

415 Orchard Street & 354 Whitney Street  
NYSDEC Site #E828123  
Rochester, New York  
MONROE COUNTY  
ROCHESTER, NEW YORK

# PREDEVELOPMENT SUBSURFACE CONDITIONS ANALYSIS

Prepared for:



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## 1.0 Introduction

Lu Engineers was retained by the City of Rochester to conduct a Predevelopment Subsurface Conditions Analysis (PSCA) at the Orchard Whitney Brownfield Site (“Site”) which has been targeted for redevelopment. The Site occupies 3.9-acres located at 415 Orchard Street and 354 Whitney Street in the City of Rochester (Figure 1). The Site is now vacant, but included large scale industrial uses in the past. Structures previously occupying the Site were demolished between 2005 and 2015 due to the unsafe condition of the buildings.

The City of Rochester has invested substantial efforts to facilitate development in this area of the City. The City has been awarded brownfield area-wide grant funding from the United States Environmental Protection Agency (USEPA) to develop an area-wide revitalization program focusing on brownfield sites located in the Jay/Orchard Street area (JOSANA neighborhood). In addition to substantial grant funding from the New York State Department of Environmental Conservation (NYSDEC) to facilitate investigation and cleanup of the Orchard Whitney Site, the property is located within a NYS-designated Brownfield Opportunity Area (BOA), known as the Lyell-Lake-State (LYLAKS) BOA. The JOSANA Master Plan and LYLAKS BOA Revitalization Strategy both emphasize the importance of redevelopment of the Orchard Whitney Site to the revitalization and sustainability of this challenged area of the City. The property is located immediately south of Lyell Avenue in the LYLAKS Brownfield Opportunity Area (BOA).

The Site was historically residential until the early 1900s when it was developed into an industrial facility covering both the 415 Orchard Street and 354 Whitney Street parcels. The Site is a fenced vacant lot covered mainly with concrete slabs and building demolition debris. A large berm of brick, concrete, and debris is located on the southern and western edge of the Site. The Site is bordered by Orchard Street to the east, a former railroad right-of-way to the south, Whitney Street to the west, and commercial buildings to the north. Figure 2 is a Site Plan showing current conditions at the Site.

The development considerations discussed in this report include environmental and geotechnical conditions as well as a preliminary assessment relative to utility access. Each of these considerations is addressed in detail in the sections that follow.

## 2.0 Site Background and History

The area occupied by and surrounding the Site was originally developed with residential housing in the mid to late 1800’s. Railroads extended through the southern adjacent properties circa 1875. The tracks were used for coal as well as materials delivery and shipping as the Site developed into manufacturing and industrial uses in the early 1900s.

From 1915 to 1922, the North East Electric Company occupied the Site. The Delco Appliance Division of General Motors occupied the Site from 1930 to 1967 and had several processes including the manufacture of electrical equipment, various metal finishing operations, coal storage, boiler operation, power generation, petroleum storage and small scale automotive service.

The facility was expanded to its pre-demolition Site size and configuration by 1935. The plant closed in 1967 and the property continued to be used for metal finishing, synthetic foam production, printing, plastics manufacturing, electronics manufacturing and warehousing until 1990 when the Site was abandoned.

Site conditions continued to decline after 1990 and in 2003, a large portion of the structure at the Whitney Street parcel was damaged during an arson fire. The City partially demolished the structure in 2005 to reduce the risk of collapse and to eliminate other hazardous conditions at the Site.

The City foreclosed on the Whitney Street parcel in August 2006. Figure 3 provides an overlay of the Orchard Whitney site comparing existing conditions to historical buildings and operations.

Due to deteriorating and unsafe conditions of the structure at 354 Whitney Street, the City completed asbestos abatement and demolition of the structure in order to safely complete Remedial Investigation (RI) activities. The remaining building structure on the Whitney Street Site was demolished as an interim remedial measure (IRM) during this investigation in April and May 2008. The northern portion of 415 Orchard (“Low Rise”) was demolished in 2010. The final phase of building removal was completed in December 2015 with the demolition of the seven-story “High Rise” formerly occupying the southern portion of the 415 Orchard Street parcel.

IRM activities are summarized in two (2) reports including a combined Site Investigation/Remedial Alternatives Report and Interim Remedial Measures Construction Completion Report, (Lu Engineers, January 2014) as well as an Interim Remedial Measures Construction Completion Report (Lu Engineers, November 2015). Copies of these reports are included as Appendix 1 to the PSCA. Appendix 1 also includes the Site Management Plan (Lu Engineers, October 2015), which identifies remaining areas of potential environmental concern and outlines procedures required for handling and screening of potentially contaminated environmental media.

The primary occurrence of elevated concentrations of regulated chemicals identified during previous investigations and remedial activities was related to metals contaminated soil and groundwater as a result of past metal finishing operations, hydraulic lift, former gasoline storage and pumps, and underground petroleum storage. Semi-volatile organic compounds (SVOCs) and in particular, polycyclic aromatic hydrocarbons (PAHs), have also been detected on the southeastern portion of the Site in the vicinity of former plating operations and underground petroleum storage tanks.

Sample analytical results indicate that compounds detected in soil are below NYSDEC Residential Use Soil Cleanup Objectives (6 New York Codes, Rules, and Regulations (6NYCRR) Part 375-6b). Minor exceedances of 6NYCRR Part 703 Drinking Water Standards remain in some of the groundwater monitoring wells located within the Site. It is noted that the City of Rochester prohibits extraction of groundwater for consumption or use. As defined in the SMP provided in Appendix 1, engineering controls (ECs) and deed restrictions on use (institutional controls, (ICs)) mitigate the possibility of human or environmental contact with potentially contaminated environmental media on the Site.

Several types of record mapping are included with this report for general reference. Appendix 2 includes copies of the NYSDEC Environmental Easement, Metes and Bounds Description(s) and Site Survey Map. Appendix 3 includes Rochester Gas & Electric Company Record Drawings. Copies of Sanborn Fire Insurance Maps are included as Appendix 4. Additional reference maps are included as figures or attached as appendices as noted in the following sections of this report.

### **3.0 Summary of Previous Environmental Reports**

A summary of previous environmental work completed at the Site shows that the following investigation actions have been performed at the Orchard-Whitney Site:

- Draft Center City Industrial Park Facility Assessment, Flint, Allen, White & Radley, April 1999;
- EPA Hazardous Substance Removal Action, 1999
- Phase I Environmental Site Assessment (ESA): 354 Whitney Street and 367, 370, 406, and 415 Orchard Streets, DAY Environmental, Inc. 2000;

- Pre-Demolition Asbestos Inspection of 354 Whitney St Building 1A, ENSR International, 2003;
- Pre-Demolition Asbestos Inspection of 354 Whitney Street Building 2/2A/ Brick Mill, ENSR International, August 2003;
- Pre-Demolition Asbestos Survey 415 Orchard Street High Rise and Low Rise Structures, Lu Engineers, August 2006
- Orchard-Whitney Targeted Site Assessment Report, NYSDEC Region 8, December 2006.
- Hazardous Materials Investigation and IRMs, Lu Engineers, 2006
- Post-demolition Site-wide investigation completed by Lu Engineers, 2008-2009 as outlined in the Remedial Investigation Work Plan (August 2006);
- Pre-demolition Investigation for 354 Whitney Street (February 2007);
- Area of Concern (AOC) investigation and IRMs by Lu Engineers, 2011-2012 as described in the Remedial Investigation and Interim Remedial Measures Work Plan (April 2011);
- Pre-Demolition Investigation for 415 Orchard Street “Low Rise” (January 2012)
- Site Investigation/Remedial Alternatives Report and Interim Remedial Measures Construction Completion Report, (Lu Engineers, January 2014) – See Appendix 1
- Interim Remedial Measures Construction Completion Report (Lu Engineers, November 2015) – See Appendix 1
- Site Management Plan (Lu Engineers, October 2015) – See Appendix 1

### **3.1 Draft Center City Industrial Park Facility Assessment, 1999**

The Flint, Allen, White & Radley Draft Center City Industrial Park Facility Assessment consisted of visual inspection and analysis of general structural and Site conditions including interior and exterior roof conditions, floor loading potential and an estimated cost for rehabilitation and/or demolition. The results indicated rehabilitation costs, not including hazardous materials or asbestos abatement, could exceed \$5.8 million dollars.

### **3.2 USEPA Hazardous Substance Removal Action, 1999**

Numerous drums containing suspected hazardous wastes were found in the abandoned 354 Whitney Street building during an inspection conducted by the City and NYSDEC. NYSDEC requested that the USEPA characterize and remove the abandoned wastes to mitigate the significant environmental and human health hazard posed by these substances. USEPA removed and disposed of over 700 drums of various sizes during this removal action. This building was later gutted by fire in 2003 and subsequently demolished by the City in 2006.

### **3.3 Phase I ESA, 2000**

A Day Environmental, Inc. Phase I ESA completed in 2000 identified several Recognized Environmental Conditions including:

- The presence or former presence of petroleum or chemical underground storage tanks (USTs), the locations and removal of which could not be confirmed. Laboratory analysis of samples from pre-existing monitoring wells at the Site indicated that petroleum, RCRA metals and chlorinated solvent contaminants were present in groundwater above regulatory standard and guidance values.
- Historical uses of the properties and adjacent properties suggested the use, storage and generation of Resource Conservation and Recovery Act (RCRA) hazardous wastes such as: oil and lead based paints, lubricants, flammable liquids, heavy metals, and polychlorinated biphenyl (PCB) oils. In addition, the Site is known to have at least two (2) documented NYSDEC spill incidents;

- The presence of suspected and confirmed asbestos containing materials (ACM) throughout all structures at the Site;
- Visual evidence of additional spills in locations where numerous drums of unknown materials were being staged;
- The presence of several transformers, hydraulic lifts, and other motorized equipment commonly associated with PCB contaminated oils; and
- The presence of floor drains and/or sumps throughout the buildings containing unknown liquids, chemicals and residues. The discharge points of the drains and sumps could not be confirmed.

### **3.4 Asbestos Pre-demolition Surveys, 2003**

The ENSR International, Inc. Pre-Demolition Asbestos surveys of the structures on the Whitney Street parcel conducted in 2003 indicated that friable and non-friable asbestos was present throughout all Site buildings including: roofing and flooring materials, window glazing, pipe insulation, wall board and insulation. Portions of the Site were already in decline, and friable asbestos was present where roofing materials had collapsed, windows were vandalized and pipe and wall insulation was damaged.

### **3.5 NYSDEC Investigation, 2005**

The NYSDEC conducted a Targeted Site Assessment in the summer and fall of 2005 to evaluate the 354 Whitney Street Site for potential registry as an Inactive Hazardous Waste Disposal Site (IHWDS). The assessment consisted of:

- A geophysical survey to determine the location of buried metallic anomalies such as USTs or utilities;
- A utility survey to locate major utility right-of-ways and to identify potential contaminant pathways;
- Installation of soil borings and 6 groundwater monitoring wells to assess subsurface soil and groundwater quality and flow direction;
- Collection of surface soil samples to determine the potential for direct contact exposure to contaminants; and
- Collection of basement standing water samples to determine whether it could be a source of contamination to groundwater.

A copy of the 2005 geophysical survey is included as Appendix 5.

The results of the NYSDEC investigation indicated surface soil samples were contaminated with PAHs and PCBs, as well as metals. However, the investigation was inconclusive as to the source, nature and extent of any subsurface soil or groundwater contamination at the Site. The Site was not listed on the IHWDS registry; however, further investigation was recommended to fully evaluate conditions at the Site.

### **4.0 Lu Engineers Investigations and Interim Remedial Measures**

A variety of RI efforts and IRMs have been completed at various times since Lu Engineers was retained by the City in July 2006. This iterative approach was necessary due to the fact that RI and IRM work needed to be coordinated with the demolition of 354 Whitney Street in 2008 and the “Low-Rise” portion of 415 Orchard Street in 2010 and 2014 demolition of the 415 Orchard “High Rise”. IRMs were required to allow demolition in certain cases and to facilitate access to areas of the Site requiring additional RI work. IRM and RI efforts to date have been summarized as they were completed in memoranda and correspondence provided to the City, NYSDEC and NYSDOH, as necessary.

Site investigation and IRM activities with potential relevance to future planned Site development are summarized in two (2) reports including a combined Site Investigation/Remedial Alternatives Report and Interim Remedial Measures Construction Completion Report, (Lu Engineers, January 2014) as well as an Interim Remedial Measures Construction Completion Report (Lu Engineers, November 2015). Copies of these reports are included as Appendix 1 to the PSCA. Appendix 1 also includes a copy of the Site Management Plan (Lu Engineers, October 2015), which identifies remaining areas of potential environmental concern and outlines procedures required for handling and screening of potentially contaminated environmental media.

The following sections provide detail on the remedial investigation and cleanup efforts completed under the City's State Assistance Contract

#### **4.1 2006 Hazardous Materials Investigation and IRMs**

Lu Engineers conducted a detailed inspection of the structures located on the Site at that time including the 415 Orchard Street "High" and "Low-Rise" as well as the various contiguous structures remaining at 354 Whitney Street. This investigation was conducted in order to locate and characterize the presence of hazardous or otherwise contaminated materials other than asbestos that required removal prior to demolition. Small amounts of abandoned waste paints, oils and boiler chemicals were disposed of at that time. Other materials were characterized for removal during demolition by the demolition contractor.

Three non-PCB-containing transformers located on the outer wall of the 6<sup>th</sup> floor of 415 Orchard Street were also removed and disposed of to prevent them from potentially falling during demolition of the adjacent structure. Vandalism required cleanup of spilled non-PCB oils from the ground surface as part of this process. After demolition of the 354 Whitney structures, a total of 218 tons of arsenic (D004) hazardous waste ash from the boiler house chimney was transported and disposed of off-site in accordance with all applicable regulations.

Masonry demolition debris was crushed to approximately 4-6 inches in diameter and staged on Site above the existing pile of demolition debris left after demolition of the westernmost portions of the 354 Whitney Street complex in 2003. Crushed masonry demolition debris was also staged along the western perimeter of the Site along Whitney Street at that time.

#### **4.2 2008 RI and IRMs**

Once the remaining 354 Whitney structures were demolished, the majority of the Site was accessible facilitating a more comprehensive investigation, which included:

- Installation and sampling of a total of 16 monitoring wells (MW-07 through MW-22)
- Drilling of a total of 6 soil borings (SB-01, 03, 05, 07, 19 and 20 (intervening numbers were completed as wells))
- Excavation of a total of 18 test pits (TP-01 through 18)
- Manual excavation of 4 surface soil samples (SS-01 through 04)

As test pits were installed in the central and southern portion of the Site, elevated screening levels and indications of waste materials were observed in clay tile crocks associated with the former drainage features present on the ground floor of the former buildings. One (1) drum of non-hazardous, solvent contaminated sludge was removed and disposed of off Site as an IRM during this process.

The findings of the 2008 RI indicated the presence of abandoned USTs and elevated subsurface chromium concentrations adjacent to the western wall of 415 Orchard Street.



These locations were designated as Areas of Concern (AOCs) 1 and 2, respectively. An abandoned hydraulic lift was identified (AOC-3) in the north/central portion of the Site. Elevated screening data and petroleum odors were found in the northern portion of the western area of the Site warranting designation as AOC-4.

Surface soils from the immediate vicinity of the Site were found to contain relatively low levels of metals and SVOCs indicative of typical urban background conditions. With the exception of the elevated chromium levels found at AOC-2, subsurface soil and groundwater were not observed to be significantly impacted within the study area.

Data gaps remaining after completion of the 2008 RI included the presence of a large tunnel aligned east/west located in the center of the Site with smaller tunnels branching off to the north and south apparently associated with utilities as discussed elsewhere herein (See Figure 2). The nature and extent of contamination associated with AOCs 1 through 4 and potential presence of contamination not accessible beneath 415 Orchard Street at that time were also considered to be data gaps requiring additional investigation.

#### **4.3 2011 RI and IRMs**

RI and IRM efforts were conducted concurrently during 2011 to minimize the mobilization and demobilization of equipment to and from the Site. IRM work focused on the closure of a total of nine (9) petroleum USTs located within AOC-1. During this process, a total of 14,250 gallons of petroleum and petroleum-contaminated water was removed and disposed of off-Site. A total of 11,500 gallons of petroleum-contaminated water were treated on-Site and discharged under permit to the Monroe County sewer line on the western side of Orchard Street. The remaining 2,750 gallons of water was transported off-Site for proper disposal/recycling.

This process also included the removal and proper disposal of 265 tons of petroleum and metals impacted soils. The concrete vaults surrounding the tanks were backfilled with flowable fill to a depth of approximately 5 feet below grade to prevent infiltration of contaminated groundwater from the adjacent AOC-2 (Former Plating Area). The remainder of the backfill was completed with clean imported fill and crushed demolition debris from the materials staged on Site.

Additional RI efforts at this time included soil borings and test pits to more completely characterize soils beneath the former “Low Rise”, the staged demolition debris berms, and gasoline vapors observed at TP-07. The findings of this additional investigation effort did not warrant further investigation or remedial measures in these areas of the Site.

#### **4.4 2012 RI and IRMs**

The additional RI work conducted in 2012 was limited to re-sampling of all Site groundwater wells once the IRMs were completed with respect to AOC-2 and AOC-3 as well as a more detailed review of the nature and extent of the tunnel systems present on the Site. A subcontracted utility scanning company was brought to the Site to televise accessible portions of the remaining drainage features and tunnels.

The large east/west oriented tunnel was also entered to determine whether hazardous materials were present and to verify that its steel reinforced concrete roof could bear the load trucks and other equipment to be mobilized for remediation of the adjacent AOC-2. Lu Engineers determined that the roof of the tunnel was capable of bearing the weight of all proposed activities above. Inspection of the tunnel also revealed the presence of friable asbestos pipe covering within and approximately 5 feet of standing water (determined

previously to be uncontaminated). The tunnel floor and walls are concrete and it is approximately 12 feet deep. Other branching portions of the tunnel system could not be accessed within the Site and are assumed to be primarily associated with utilities which served manufacturing operations in the past. A portion of a closed tunnel was accessed from a commercial property (Turner Bellows, Inc.) to the west of the Site. However this tunnel terminates at the Site's western perimeter.

IRM effort during 2012 focused on remediation of hazardous levels of chromium (hexavalent chromium) and other RCRA metals identified in soil and groundwater within the former plating area (AOC-2). A total of approximately 500 tons of hazardous and non-hazardous soils contaminated with chromium, arsenic and cadmium were removed from AOC-2 and properly disposed of off-Site. Lu Engineers used a portable x-ray fluorescence (XRF) meter to assist in the differentiation of soil contaminant levels during both the AOC-2 RI and IRM process.

Careful planning around seasonal weather and groundwater variations allowed removal of the affected soils without requiring groundwater removal during this process. Hazardous groundwater was treated in-situ during and after backfilling with clean imported crushed stone and select fill. A total of 300 gallons of a molasses and water mixture was fed by gravity into the subsurface to reduce residual concentrations of  $Cr^{+6}$  to the insoluble  $Cr^{+3}$  state. Molasses encourages the growth of anaerobic bacteria which results in conditions conducive for chemical reduction. Subsequent groundwater sampling indicated that no hazardous conditions remained. Limited occurrences of elevated, but non-hazardous levels of chromium, arsenic and chromium remain after completion of this IRM due to limited access during the excavation process.

AOC-3 was also remediated concurrently with the AOC-2 effort. A small amount (less than 1 ton) of petroleum contaminated soil as well as the hydraulic lift itself were removed and disposed of during the 2012 IRM work.

Groundwater depths at the site range from 4 feet on the west side of the property to 10 feet near the former plating area. Groundwater flow at the site is generally to the northeast. Bedrock depths vary significantly from 8 to 10 feet bgs on the western portion of the site to over 35 feet bgs near the former plating area. Groundwater and bedrock depths and their potential impact on commercial development are discussed in Section 8.0.

Figures 4 through 7 contain plans showing locations of soil and groundwater testing, a groundwater flow interpretation, bedrock contours, and geologic cross sections.

#### **4.5 2014 Asbestos Abatement at the Orchard Street "High Rise" Site**

Asbestos abatement to facilitate building demolition began at the Orchard Street building on June 30, 2014 and was completed on October 25, 2014. Demolition began immediately thereafter and was completed by June 2015.

#### **4.6 2015 RI and IRMs beneath former Orchard Street "High Rise" footprint**

Beginning in June 2015, Lu Engineers conducted an expedited RI beneath the foot print of the former 7-story building at 415 Orchard Street. This work included installation of a total of 16 test pits and four (4) soil borings/monitoring wells.

Prior to completion of the excavation IRM, asbestos containing materials (ACM) located in the underground utility trench required abatement prior to accessing the underlying petroleum-contaminated soils.

Lu Engineers worked with the New York State Department of Labor (NYSDOL) to secure a variance request for relief from certain provisions of Industrial Code Rule 56. As indicated, the variance was required due to the uncertain nature and extent of the utility trench and facilitates safe and fully compliant abatement with certain procedural adjustments. Abatement began on September 21, 2015 and concluded, including inspection and air sampling activities, by October 2, 2015. A Project Monitoring for Environmental Abatement Report was submitted to the City under separate cover in November 2015.

Soils in the delineated removal area were continuously field screened by PID so that the soils which exceeded 25 ppm were live-loaded into Part 360 permitted trucks for off-Site disposal at High Acres Landfill. Total estimated removal quantity post completion of the Supplemental Site Investigation was calculated to be approximately 1,500 cubic yards (1,823 tons). Due to the large amount of non-impacted concrete encountered, the actual combined total volume of petroleum-impacted soil removed for off-Site disposal was approximately 690 tons (568 cubic yards).

Soil was removed up to the easternmost perimeter and, to the extent possible, beneath the layer of flowable fill which had been placed in the adjacent former tank pit during the 2013 IRMs. Petroleum impacted materials adhering to subsurface concrete structures were scoured to the extent possible by excavator bucket. This method removed the majority of residual contamination on or beneath the subsurface concrete. PID readings generally ranged from 34.1 to 189 ppm throughout the contaminated zone prior to contaminated soil removal.

Based on observations during the IRM excavation, contaminant migration was strongly influenced by the presence of large impermeable concrete foundation components. The distribution of heavily contaminated soils was commonly associated with the soils in contact with subsurface concrete within the vadose zone.

More complete descriptions of 2014 and 2015 RI and IRM activities is provided in the reports included here as Appendix 1.

## **5.0 Geophysical Survey Results and Infrared Imaging**

A geophysical survey (Appendix 5) was completed by GeoMatrix on the 354 Whitney Street parcel in August of 2005. The purpose of the survey was to determine the location of large underground conduits that may act as preferential pathways for environmental contaminant mobility. The survey was completed using frequency domain (EM31) and time domain (EM61) electromagnetic techniques. Both technologies are capable of identifying potential buried metallic objects such as tanks and containers as well as utility piping.

In 2011, Lu Engineers utilized an infrared imaging camera to supplement findings of the Geophysical Survey. Infrared imaging showed the location of the utility tunnels, but the images lack clarity.

A remote mobile camera supplied by Jamko, Inc. was also used in 2011 to evaluate materials and utilities inside the tunnels at that time. The results of the survey were inconclusive with significant interference from reinforced concrete (rebar) and other common anomalies at industrial sites. Jamko's remote camera work showed the presence of utility lines and construction materials in the tunnels and eventually the camera was unable to advance due to blockage.

## **6.0 Test Pit Investigations**

Lu Engineers completed a total of 60 test pit excavations as part of the remedial investigations and cleanup at the Site (2008 to present). Test pit locations were selected based on previous environmental reports, historical maps and suspected areas of environmental concern.

Test pit logs each include soil characteristics, headspace concentrations, water table depth, bedrock depths and other relevant information. Test pit locations are indicated on Figures 6 and 11. Appendix 6 contains logs of test pits completed for the various investigations and remedial activities conducted since Lu Engineers' RI work began in 2008. This appendix also includes an abbreviated reference table including the basic findings from each test pit.

## **7.0 Soil Borings and Monitoring Wells**

Lu Engineers' initial RI effort on the Site was completed in 2008. During this investigation, 21 soil borings were completed. Of these borings, 15 were converted to permanent groundwater wells (conventional hollow stem augering methods). MW designates monitoring wells. 24 soil borings were advanced during the 2011 investigation; 18 soil borings (in the former plating area) were converted to micro wells (Geoprobe® borings). PA-01 thru PA-16 are micro wells and PA-17 and 18 are Geoprobe® borings. Four (4) soil borings were converted into monitoring wells during the 2015 RI Supplemental Site Investigation designated as MW-26 through MW-29. Soil borings which were not converted to wells are designated as SB points. Soil boring and/or monitoring well locations are shown on Figure 6 and 11.

Where hollow stem auger techniques were used, continuous split spoon soil samples were collected in accordance with ASTM Method D-1586 at each boring and characterized using the Burmister Soil Classification System. Where bedrock penetration was required, coring techniques were used to verify the competence of Site bedrock and characterize the hydraulic environment and likelihood of contaminant mobility within the rock. Rock characteristics are logged where sampling was conducted.

Soil boring data was used to create the geologic cross-sections depicted in Figures 7.1 and 7.2.

Boring logs each recorded soil characteristics, headspace concentrations, water table depth, sample recovery, blow counts and other pertinent information. All boring logs were recorded by a qualified geologist. Boring and monitoring well locations indicated on Figures 6 and 11. Appendix 7 contains logs of all wells and borings completed for the various investigations and remedial activities conducted since RI work began, including logs from the NYSDEC's 2005 Site Investigation. This appendix also includes an abbreviated reference table including the basic findings from each soil boring and well.

## **8.0 Fill Management**

Test pits, soil borings and monitoring wells completed during the remedial investigation generally show the presence of fill ranging from 0 to 3 feet in most locations. These depths are considerably deeper in the area surrounding the former basement (8 feet at TP-34) and as much as 13 feet near the former smoke stack location (PA-06).

There is also a large area of fill/construction debris located along the southwest corner and western perimeter of the property. This debris originated from debris from the large fire at 354 Whitney Street and its subsequent demolition. The debris is a mixture of concrete, brick and other building materials. Asbestos containing materials such as transite and thermal systems insulation (air cell) have been observed in the debris. It is estimated that there are 395,000 cubic feet (estimated 22,000 tons) of this material on-site.

The material derived from demolition of the 415 Orchard Street "High Rise" in 2014 was initially staged in piles in the center of the Site. The City and NYSDEC agreed that this material was uncontaminated and suitable as backfill within the Site. Upon completion of the 2015 IRMs, this material was used as backfill in the western portion of the former building (415 Orchard "High Rise") footprint.

The clean, crushed demolition debris derived from the demolition of the former 415 Orchard Street building, was also used as on-Site cover material as part of the final grading of the Site to its current layout – see Figures 2 and 11. This cover will allow classification of the Site as meeting commercial re-use requirements set forth in 6 NYCRR Part 375.

During the regrading process, various openings in the slabs were filled to the extent possible in order to mitigate the potential hazards associated with those openings. The entrance to the east/west tunnel was not filled. Instead, a steel plate was bolted down onto the opening to allow future access. This cover and the area surrounding it were covered with approximately two (2) feet of clean crushed demolition debris as indicated on Figure 2.

Significant filling with clean crushed demolition debris was also done at the base of the masonry wall that remains on the southern perimeter off the former 415 Orchard building. This fill was placed in order to mitigate the potential fall hazard posed by this abrupt transition in elevation, and to help support the wall. This fill is also indicated on Figure 2.

## **9.0 Contamination Remaining at the Site**

Based on the investigations and remedial activities conducted on the Site through 2015, a SMP was developed as required as part of the NYSDEC's Record of Decision and Final Remedy Selection process under the ERP. A copy of the SMP is included as Appendix 1. The Site is currently being considered and the City is accepting proposals for commercial or light industrial development Site planning. As a result of the existing conditions, recommendations for future Site work include an updated Environmental Easement and a SMP as part of the Site remedy. The SMP provides various means of identifying areas of the Site with residual contamination that may require special handling and/or disposal. The SMP also specifies procedures to be followed if contaminated media is encountered during future Site use or redevelopment. Refer to Figure 4 for a representation of remaining soil and groundwater contamination at the Site.

Access to the most heavily contaminated soils identified during the SSI and IRM process was not substantially restricted by the presence of massive concrete foundation components. The foundations appeared to rest directly on bedrock indicating that the overburden/bedrock interface migration pathway does not exist in these locations. Small areas of low-level contaminated soils not accessible due to excavation collapse or other factors during IRM implementation are considered likely to biodegrade over time. The source area(s) for petroleum contamination at this Site have been removed to the extent possible. Based on confirmatory soil sample data, however, the excavation of the source area has been successful in removing accessible petroleum-impacted soils.

Previous investigations have shown that elemental lead exists in the concrete slab on-Site. Lead was commonly used to seal cracks and penetrations in floor slabs in industrial plants in the past. Small nodes of lead have been observed in the remaining slabs at the Site in a number of locations. Prior attempts to quantify the amount of lead remaining in the slabs have been complicated by the presence of varying amounts of dust and debris at the surface. Since large portions of the slab will remain, elemental lead will remain on-Site and as a result will be addressed in the SMP, as necessary.

Remaining asbestos pipe wrap in the existing underground tunnel system presents an existing condition and potential for exposure during future subsurface disturbances or activities. The presence of asbestos in the subsurface is addressed in the SMP.

Overall groundwater flow appears to follow a general east, northeast flow direction. It is noted that MW-27 was omitted from the data used for groundwater contour map development due to it anomalously low elevation representative of deeper flow conditions than observed within the SI/IRM areas. This estimation is based, in part, on the deeper screen interval used in construction of this well and previous observations of subsurface conditions in the immediate vicinity of MW-27. Bedrock depth at MW-27 is substantially deeper at the south end of the former petroleum storage/plating area(s). No environmental impacts have been identified in deeper soil or groundwater in this area of the Site in previous or the current 2015 investigation effort.

Demolition debris (crushed brick and stone) has been re-used as on-Site backfill cover material throughout the Site as an engineering control. Areas of exposed soils have been covered with a minimum of one (1) foot of crushed demolition rubble material. One area of exposed tunnel void space has been covered with a steel plate bolted to the concrete pad in order to prevent exposure to human health and environment. The Site cover system will be inspected annually as a requirement to the SMP.

The Site remedy requires that an environmental easement (through deed restrictions) be placed on the property to (1) implement, maintain and monitor any Engineering Controls; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Site to Commercial and Industrial uses only. Adherence to these Institutional Controls (ICs) on the Site will be required by the Declaration of Covenants and Restrictions (DCR) and will implement under the Site Management Plan (SMP).

An environmental easement describing these controls is included in Appendix 2 along with property metes and bounds descriptions and an updated (2015) Site survey map.

## 10. Existing Utility Summary

The site is currently serviced by numerous utilities, the majority of which are under paved roadways, including Whitney Street, Orchard Street, and Lyell Avenue (Figures 8, 9, 10, 12.1 and 12.2 with additional drawings included). The known utilities include:

- Monroe County Pure Water systems – storm and sanitary
- Rochester Gas & Electric – Gas & Electric
- Frontier Communications – Communications
- City of Rochester systems – Water & Street Lighting
- Time Warner Cable- Communications

As the site was formerly occupied by a large industrial facility it was serviced by major utilities at capacities that would be expected to be much larger than a new commercial development at the site. RG&E and Monroe County Pure waters have provided mapping of their systems and general capacity information but have both informed us that any new development should work with them to determine loads in the area. This would also determine if any upgrades are necessary to support the proposed development. If additional utility capacity and infrastructure are necessary, based on specific demands of the propose development, each utility will provide cost estimates for upgrades. If the capacity of the existing utility is adequate, then arrangements should be made with each utility company to connect to existing services.

### 10.1 Monroe County Pure Waters

The Orchard/Whitney site is bordered on the west by Whitney Street, on the north by local businesses then Lyell Avenue, on the east by Orchard Street and on the south by the railroad. The sewers serving this area are

combined sewers. This means they convey both sanitary flows and storm flows. The sewer on Whitney Street is a 1'-6" by 1'-6" stone sewer. This sewer starts at the railroad and flows north to Lyell Avenue where it connects to a 30" RCP sewer flowing east on Lyell Ave.

The 30" sewer continues along the north boundary of the site to the intersection of Lyell Ave. and Orchard Street. At the intersection the sewer increases to a 36" RCP which continues to the east on Lyell Avenue.

On the west side of the site, there is a 2' X 2' stone sewer which flows south from near the Orchard Street-Lyell Avenue intersection and continues south under the railroad tracks all the way to Lime Street. At Lime Street the stone sewer connects with a 42" circular sewer running east on Lime Street.

MCPW has informed us that they have not had ongoing sewer issues in the area or downstream. Whether or not the sewers can support a commercial development will depend on specific development loads. MCPW requires submittal of a PW-2 form indicating average and peak discharge rates from the site. They will also need to look at the storm runoff via the Rational Method where we compare existing and proposed conditions. Depending on the proposed development there may be a need to retain storm water on site.

MCPW provided Mile Square drawings of the area surrounding the Site. The drawings show the size, material and the footage of the sewers. The invert elevations of the manholes are also given, but there are no rim elevations to help indicate depth of sewer. The Mile Square Rock drawings also provide some known rock elevations in the areas of interest. There have been some sewer replacements on certain sections of the map. These changes are shown in the upper corner of the drawings with a box indicating where sewer replacements were done on some streets.

If development results in additional storm or sanitary discharge a Rochester Pure Waters District Permit must be obtained from Monroe County Pure Waters for new connections to sewers. The depth and size of new/relocated storm or sanitary utilities is expected to be similar to the existing utilities. MCPW connections and lines are shown on Figures 12.1 and 12.2.

## **10.2 RG&E**

RG&E has provided general information showing 4 and 11 kv electric circuits in the area. They stated that they could provide more specific information regarding capacity for any new development upon submission of load estimates.

RG&E also provided information on gas capacities in the area. These are shown on TIF drawings included in Appendix 3.

For both gas and electric, it is anticipated that the systems utilized by the former industrial complex are in place and available. Load capacities in the area have remained fairly constant since that time with no known significant demands added in the area.

## **10.3 Frontier Communications**

Service for Frontier Communications is shown on Figure 9. Frontier has full service capability in the area of the Site.

## **10.4 City of Rochester Water Bureau and Street Lighting**

Any water service connections must be approved by the City of Rochester Water Bureau. The depth and size of new/relocated water utilities is expected to be similar to the existing utilities. Water service capabilities

including water for fire suppression (Holley Systems) are shown on Figure 8 with services and connections running along Whitney Street, Lyell Avenue, and Orchard Street. Service for Street Lighting is also shown on Figure 8.

### **11.0 Site Survey**

A survey of the Site was updated by Lu Engineers' NYS Licensed Surveyor in October 2015 to identify excavation limit boundaries and encountered subsurface Site features, such as concrete walls, sheet piling, and concrete subfloor slabs. An ALTA base map of the Site was produced using the NAD 83 UTM Zone 18 (NYTM) coordinate system. An updated metes and bounds description for the Site is also included in Appendix 2.

Monitoring well locations were surveyed and the top of casing determined to 0.010 foot accuracy to mean sea level by Lu Engineers' survey department. Groundwater depths, laboratory analytical data, Site survey data and GPS data was used to prepare groundwater flow models, depth to groundwater and local hydraulic gradient diagrams as well as to prepare contaminant concentration plume maps.

### **12.0 Geotechnical Studies**

A Pre-Development Geotechnical Assessment for the Orchard-Whitney site was completed by Foundation Design, P.C. in November, 2011. This document is included as Appendix 8. Barton and Loguidice, D.P.C. completed a Geotechnical Testing Summary Report in October 2016. This report is included as Appendix 9.

#### **12.1 Foundation Design**

Foundation Design also incorporates seismic considerations into their report and their recommendations can be viewed in Appendix 8.

### **13.0 Conclusions and Recommendations**

Lu Engineers was retained by the City of Rochester to conduct a Predevelopment Investigation at the Orchard Whitney Brownfield Site which has been targeted for redevelopment. Details of any proposed development are currently not available. The development considerations discussed in this report are 1) Environmental; 2) Geotechnical; and 3) Utility Service access. Each of these considerations is discussed below.

#### **13.1 Environmental Considerations**

A general discussion of the Site's history and associated environmental investigation and cleanup efforts is provided in Section 4 of this report. IRM activities are summarized in two (2) reports including a combined Site Investigation/Remedial Alternatives Report and Interim Remedial Measures Construction Completion Report, (Lu Engineers, January 2014) as well as an Interim Remedial Measures Construction Completion Report (Lu Engineers, November 2015). Electronic copies of these reports are included as Appendix 1. Appendix 1 also includes an electronic copy of the Site Management Plan (Lu Engineers, October 2015), which identifies remaining areas of potential environmental concern and outlines procedures required for handling and screening of potentially contaminated environmental media.

Findings from environmental work completed to date show that groundwater at the Site contains several compounds at concentrations exceeding NYSDEC groundwater standards (6NYCRR Part 703). Most of these compounds are located within the former plating area with trace levels of several compounds (chloroform and lead) found in MW-21 and MW-11 respectively. Low levels of chlorinated solvents are also present in other areas of the Site at low levels generally not exceeding NYSDEC standards.



With the exception of the former plating area and two isolated areas along the southern property boundary, surface soil results do not exceed NYSDEC standards for commercial use. This is also true for subsurface soils with the plating area being the only sampled location showing levels of several metals above NYSDEC commercial use standards.

Remedial activities completed to date have mitigated the known environmental concerns relative to the Site and prepared the Site for commercial development. It is not anticipated that the NYSDEC will request further investigation or remediation at the site. As described in the SMP, continued groundwater monitoring will be required. ICs and ECs have been put in place to restrict future use of the property as defined in Appendix 2. It is assumed that vapor mitigation will be necessary as part of the design of future structures on the property.

With such a large amount of asbestos containing debris, disposal of this material is extremely cost prohibitive. It is recommended that the pile be reshaped to facilitate a more appealing landscape berm and covered with a suitable cap. This would need to be done as an asbestos abatement project under a design variance. The NYSDEC-approved ECs and ICs specified in the SMP would require modification if this material is covered or disturbed during future development.

The current environmental conditions at the Site are typical of older industrial facilities located within urban locations. Based on previous investigations and cleanup efforts completed to date, there are not expected to be significant environmental issues inhibiting commercial development. Proposed development options should be evaluated as they are produced to determine if the presence of fill materials or remaining residual chemical compounds may impact construction or future occupancy. Prospective developers are strongly advised to review the 2016 SMP and associated environmental documentation as compliance with this plan is required by law.

## **13.2 Geotechnical Considerations**

### **13.2.1 Foundation Design Report and Letter, 2011**

Lu Engineers provided all available geotechnical information for the Site generated through 2011 to Foundation Design for review. Foundation Design also accompanied Lu Engineers' field crews for a portion of the RI work completed in 2011. The attached (Appendix 8) Geotechnical Assessment Report provided by Foundation Design, P.C. concludes that the upper firm and wet natural site soils can support modest structural loads. The deeper dense glacial till soil can support significant loads from multi-story structures. Bedrock depths vary from 10 to 40 feet below existing grade and should facilitate typical near-surface construction.

Due to the mixed use of the Site over time, there are a number of areas that include various types of fill material. The areas of fill that would present challenges for future construction are primarily located within the former residential use areas of the Site. Refer to Foundation Design's Pre-development Geotechnical Assessment report (Appendix 8) and the Historical Usage Schematic Plan provided in that report for a representation of former residential use areas of the Site. Material used to fill basements of the demolished homes to allow for past industrial development of the Site is likely not suitable for future construction. The Geotechnical Assessment Report recommends that the fill material be removed within any proposed building footprint.

Foundation Design provides detailed recommendations relative to future Site preparation, foundation systems, seismic considerations and pavements. A generalized breakdown of cost considerations and a preliminary cost estimate is also provided in Foundation Design's Opinion of Probable Earthwork Costs date December 2011, which is included with the Geotechnical Assessment report provided as Appendix 8.

### **13.2.2 Barton & Loguidice Report, 2016**

Working under contract with Vita Nuova LLC, Barton and Loguidice completed a Geotechnical Testing Summary Report in November 2016 based on existing information provided by the City and limited field investigation and inspections. A copy of this report is included as Appendix 9. This report provides an analysis of known constraints to development and includes a limited geophysical investigation, inspection of concrete cores, and a limited subsurface investigation. The primary purpose of the subsurface investigation effort was to obtain additional information relative to the tunnel systems underlying the Site. The report makes recommendations for future foundation and cover systems as well as areas of the property where development should be avoided.

### **13.3 Utility Service Access**

The site is currently serviced by numerous utilities, the majority of which are under paved roadways, including Whitney Street, Orchard Street, and Lyell Avenue (Figures 8-10, 12.1, and 12.2 with additional drawings included). The known utilities include:

- Monroe County Pure Water systems – storm and sanitary
- City of Rochester systems – Water & Street Lighting
- Rochester Gas & Electric – Gas & Electric
- Frontier Communications – Communications
- Time Warner Cable- Communications

In addition to utility-specific permits, additional connection or installation permits may also be required. These may include a Street Operating Permit and or Excavation Permit, which can be obtained through the City's Department of Environmental Services Permits Office, City Hall, 30 Church Street.

Based on fill materials and native soils present at the Site, it is likely that these may be considered corrosive to ductile iron pipe. Polyethylene encasement is recommended for ductile iron pipe installation. In shallow fill, trench improvement may be accomplished by undercutting utility trenches to remove fill and backfilling with sub-base/stone for support. Wrapping the pipe and stone in a geogrid is recommended to span small irregularities that may form under the pipe in areas of deeper fill.

The City of Rochester New York Developers Guide should be consulted for guidance regarding required permits and is included in Appendix 10 of this report.



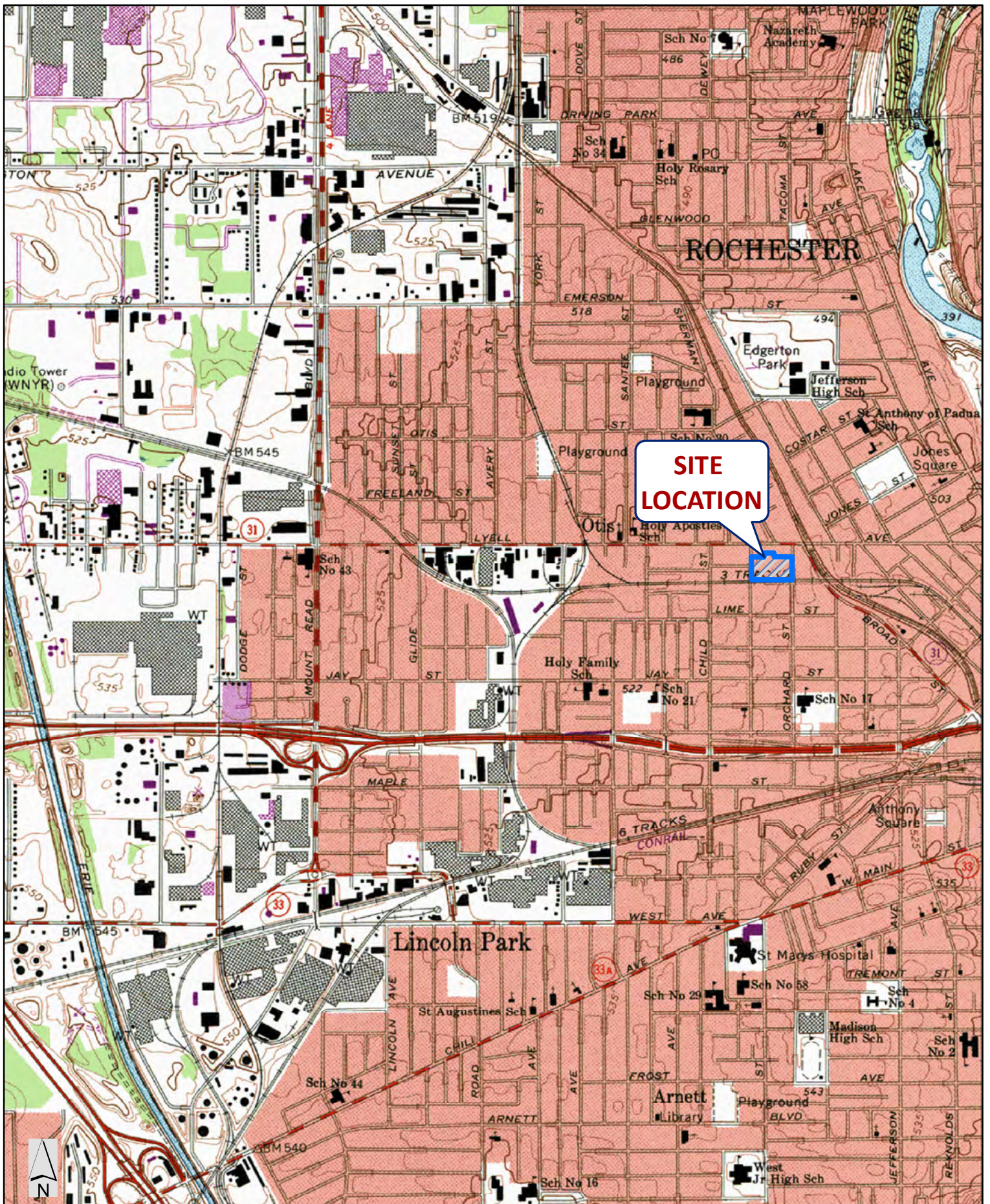
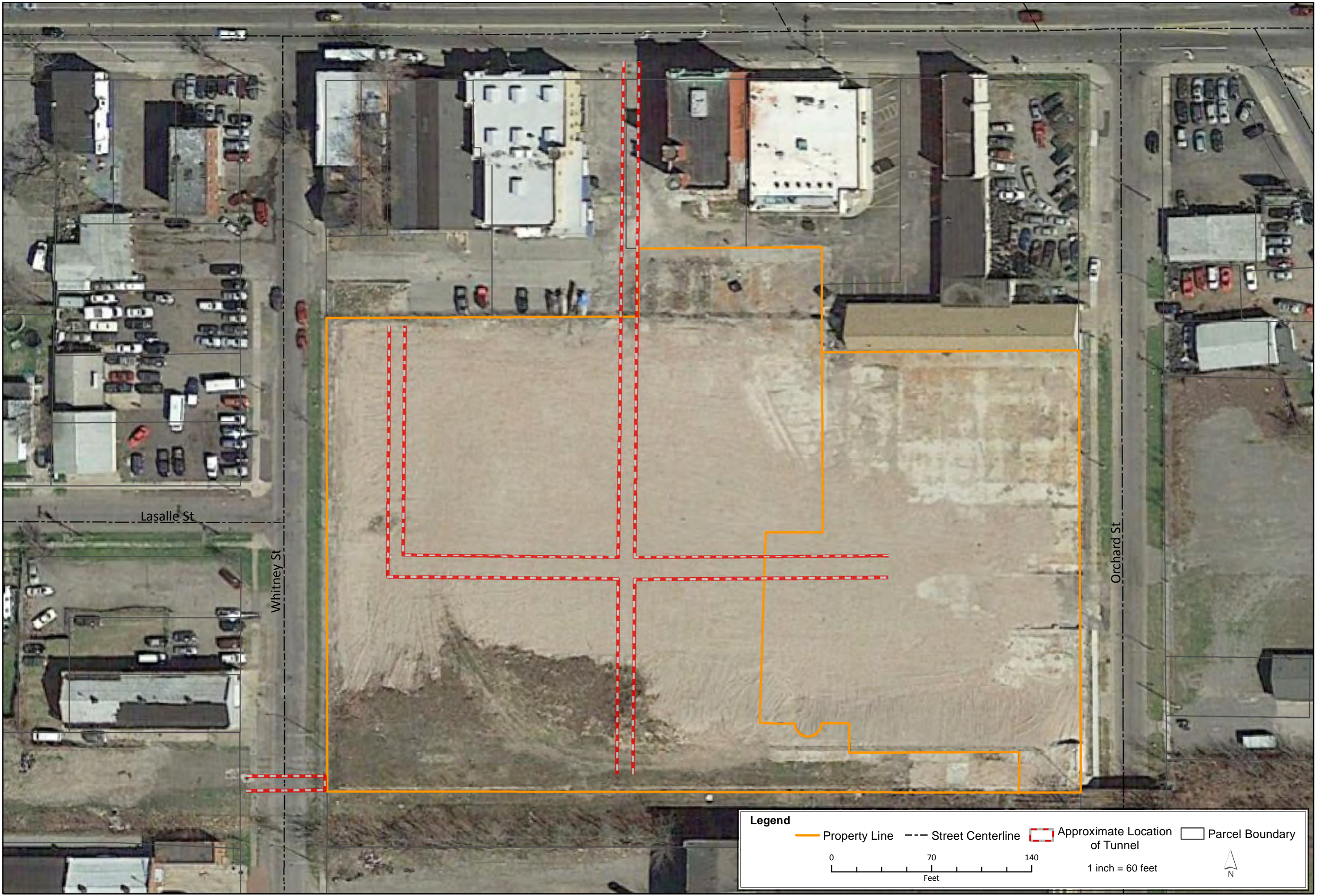


FIGURE 1  
 SITE LOCATION PLAN  
 ERP SITE #E828123  
 ROCHESTER, NY



Lasalle St

Whitney St

Orchard St

**Legend**

- Property Line
- Street Centerline
- Approximate Location of Tunnel
- Parcel Boundary

0      70      140

Feet

1 inch = 60 feet

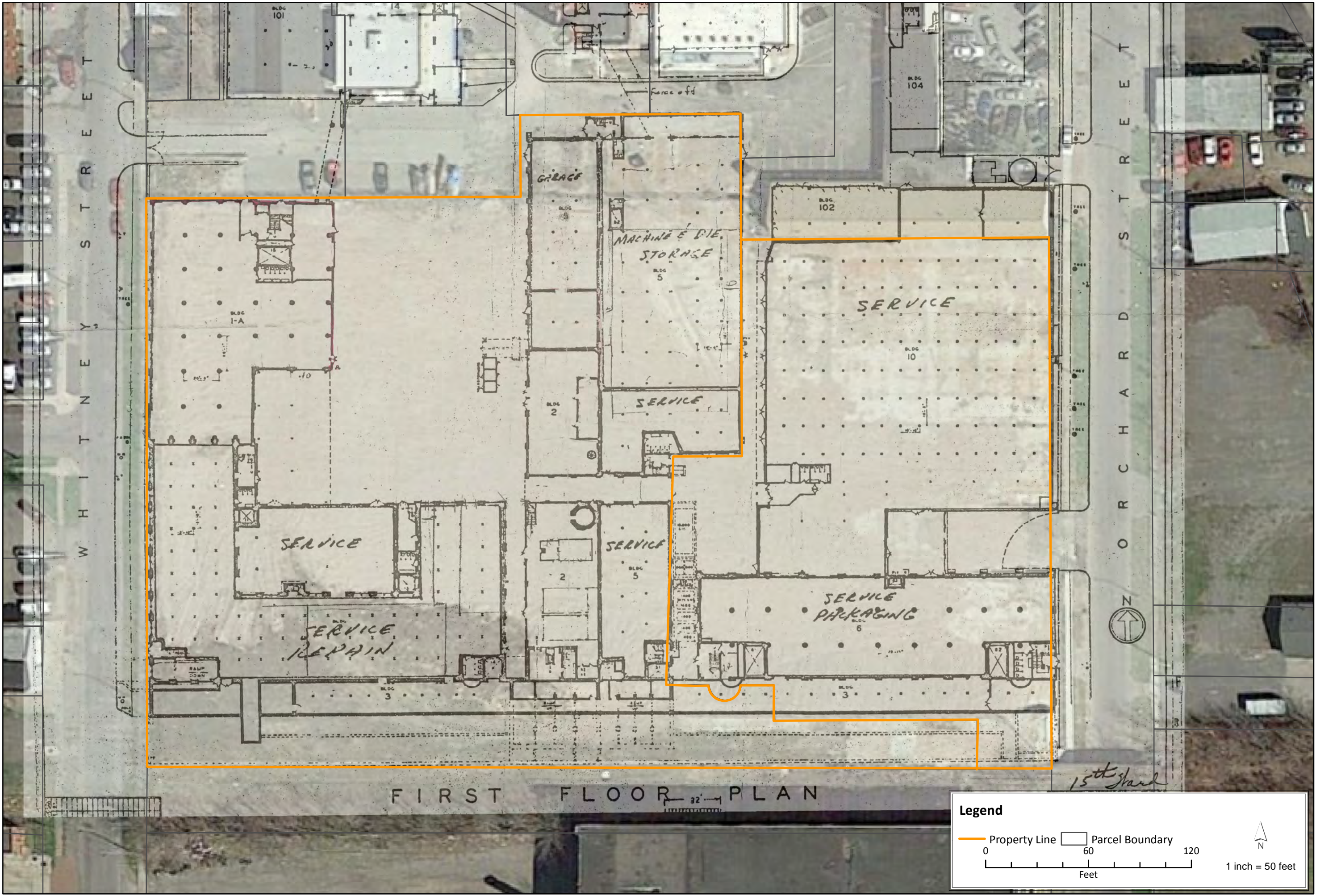
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DATE: FEBRUARY 2017  
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 DATA SOURCE: ESRI Online



FIGURE 2  
 SITE PLAN  
 ORCHARD WHITNEY PREDEVELOPMENT STUDY  
 415 ORCHARD STREET/354 WHITNEY STREET  
 ROCHESTER, NY



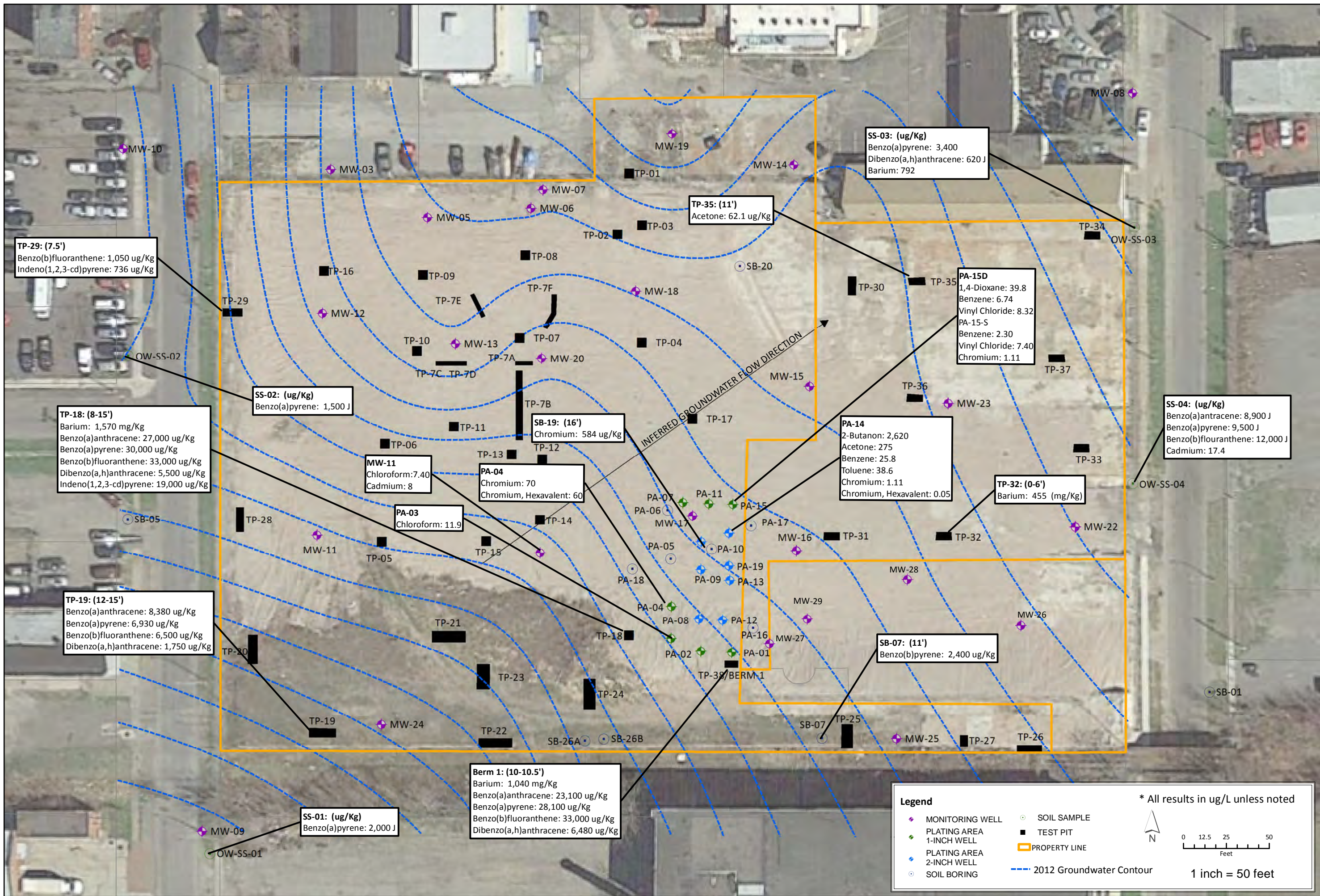


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FIGURE 3  
 HISTORICAL SITE PLAN OVERLAY  
 ORCHARD WHITNEY PREDEVELOPMENT STUDY  
 415 ORCHARD STREET/354 WHITNEY STREET  
 ROCHESTER, NY





DATE: FEBRUARY 2017  
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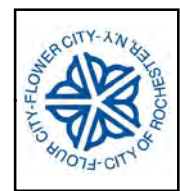


Figure 4. REMAINING SOIL & GROUNDWATER CONTAMINATION  
 ERP SITE #E828123  
 ROCHESTER, NY



**TP-29: (7.5')**  
 Benzo(b)fluoranthene: 1,050 ug/Kg  
 Indeno(1,2,3-cd)pyrene: 736 ug/Kg

**TP-18: (8-15')**  
 Barium: 1,570 mg/Kg  
 Benzo(a)anthracene: 27,000 ug/Kg  
 Benzo(a)pyrene: 30,000 ug/Kg  
 Benzo(b)fluoranthene: 33,000 ug/Kg  
 Dibenzo(a,h)anthracene: 5,500 ug/Kg  
 Indeno(1,2,3-cd)pyrene: 19,000 ug/Kg

**TP-19: (12-15')**  
 Benzo(a)anthracene: 8,380 ug/Kg  
 Benzo(a)pyrene: 6,930 ug/Kg  
 Benzo(b)fluoranthene: 6,500 ug/Kg  
 Dibenzo(a,h)anthracene: 1,750 ug/Kg

**SS-02: (ug/Kg)**  
 Benzo(a)pyrene: 1,500 J

**SS-01: (ug/Kg)**  
 Benzo(a)pyrene: 2,000 J

**Berm 1: (10-10.5')**  
 Barium: 1,040 mg/Kg  
 Benzo(a)anthracene: 23,100 ug/Kg  
 Benzo(a)pyrene: 28,100 ug/Kg  
 Benzo(b)fluoranthene: 33,000 ug/Kg  
 Dibenzo(a,h)anthracene: 6,480 ug/Kg

**SB-19: (16')**  
 Chromium: 584 ug/Kg

**PA-04**  
 Chromium: 70  
 Chromium, Hexavalent: 60

**PA-03**  
 Chloroform: 11.9

**MW-11**  
 Chloroform: 7.40  
 Cadmium: 8

**TP-35: (11')**  
 Acetone: 62.1 ug/Kg

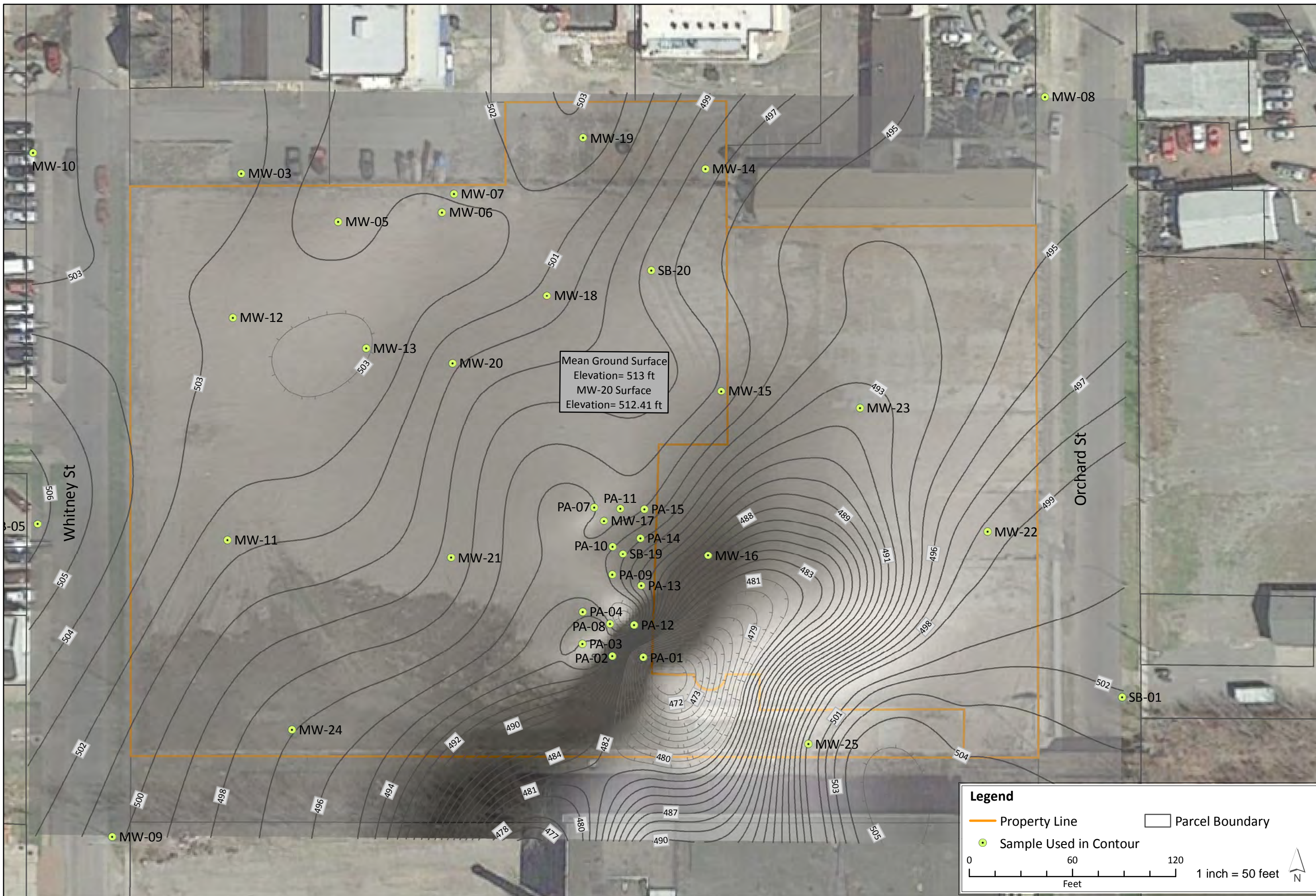
**SS-03: (ug/Kg)**  
 Benzo(a)pyrene: 3,400  
 Dibenzo(a,h)anthracene: 620 J  
 Barium: 792

**PA-15D**  
 1,4-Dioxane: 39.8  
 Benzene: 6.74  
 Vinyl Chloride: 8.32  
 PA-15-S  
 Benzene: 2.30  
 Vinyl Chloride: 7.40  
 Chromium: 1.11

**PA-14**  
 2-Butanon: 2,620  
 Acetone: 275  
 Benzene: 25.8  
 Toluene: 38.6  
 Chromium: 1.11  
 Chromium, Hexavalent: 0.05

**TP-32: (0-6')**  
 Barium: 455 (mg/Kg)

**SS-04: (ug/Kg)**  
 Benzo(a)anthracene: 8,900 J  
 Benzo(a)pyrene: 9,500 J  
 Benzo(b)fluoranthene: 12,000 J  
 Cadmium: 17.4



DATE: FEBRUARY 2017  
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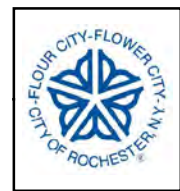
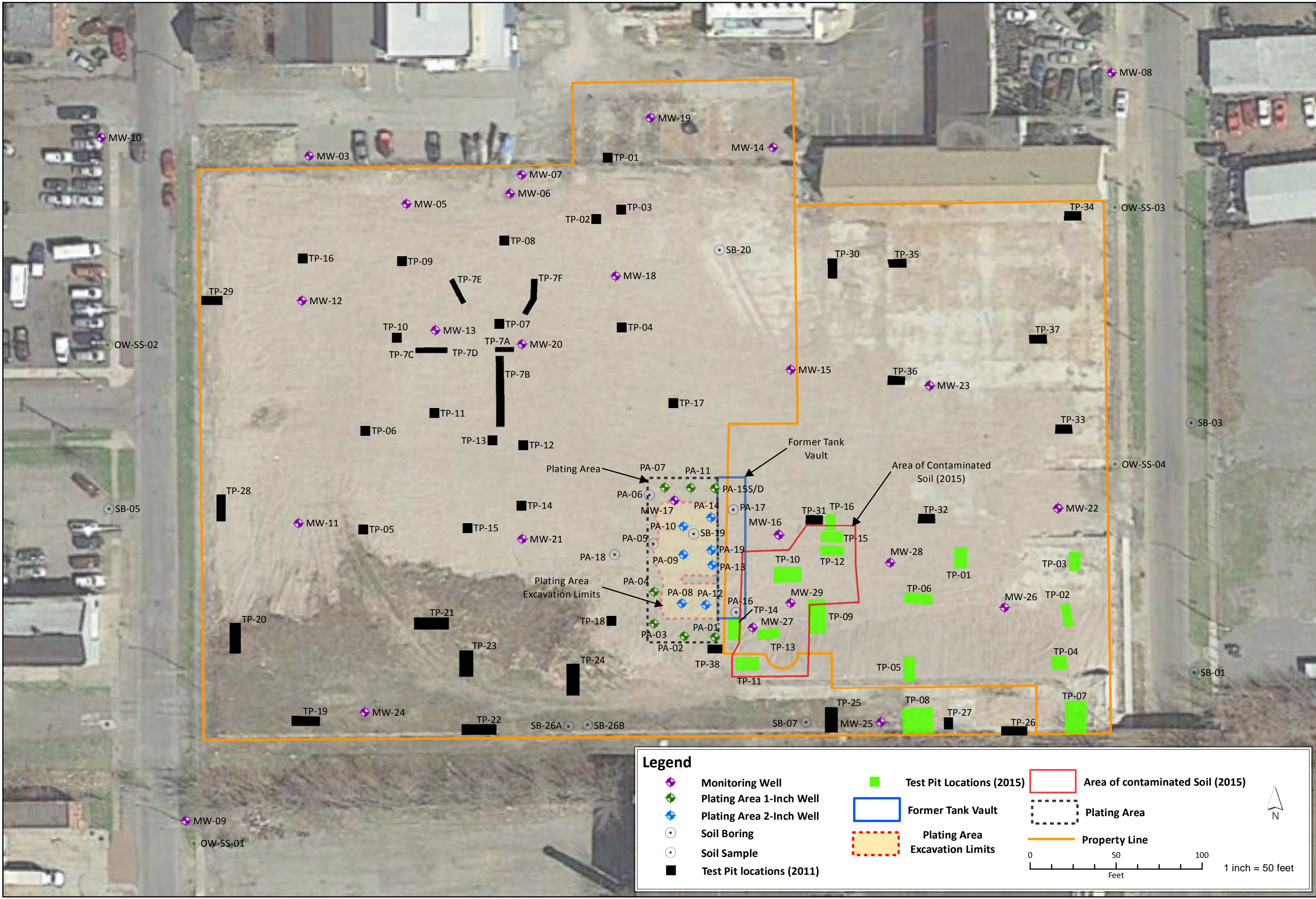


FIGURE 5  
BEDROCK SURFACE CONTOURS  
ERP SITE #E828123  
ROCHESTER, NY







**Legend**

- Monitoring Well
- Plating Area 1-Inch Well
- Plating Area 2-Inch Well
- Soil Boring
- Soil Sample
- Test Pit locations (2011)
- Test Pit Locations (2015)
- Former Tank Vault
- Plating Area Excavation Limits
- Area of contaminated Soil (2015)
- Plating Area
- Property Line

0 50 100  
Feet 1 inch = 50 feet

DATE: FEBRUARY 2017  
 SCALE: 1 inch = 60 Feet  
 DRAWN/CHECKED: SMK/GLA  
 DATA SOURCE: ESRI Online



FIGURE 6.1  
 SURFACE AND SUBSURFACE INVESTIGATION  
 ORCHARD WHITNEY PREDEVELOPMENT STUDY  
 415 ORCHARD STREET/354 WHITNEY STREET  
 ROCHESTER, NY











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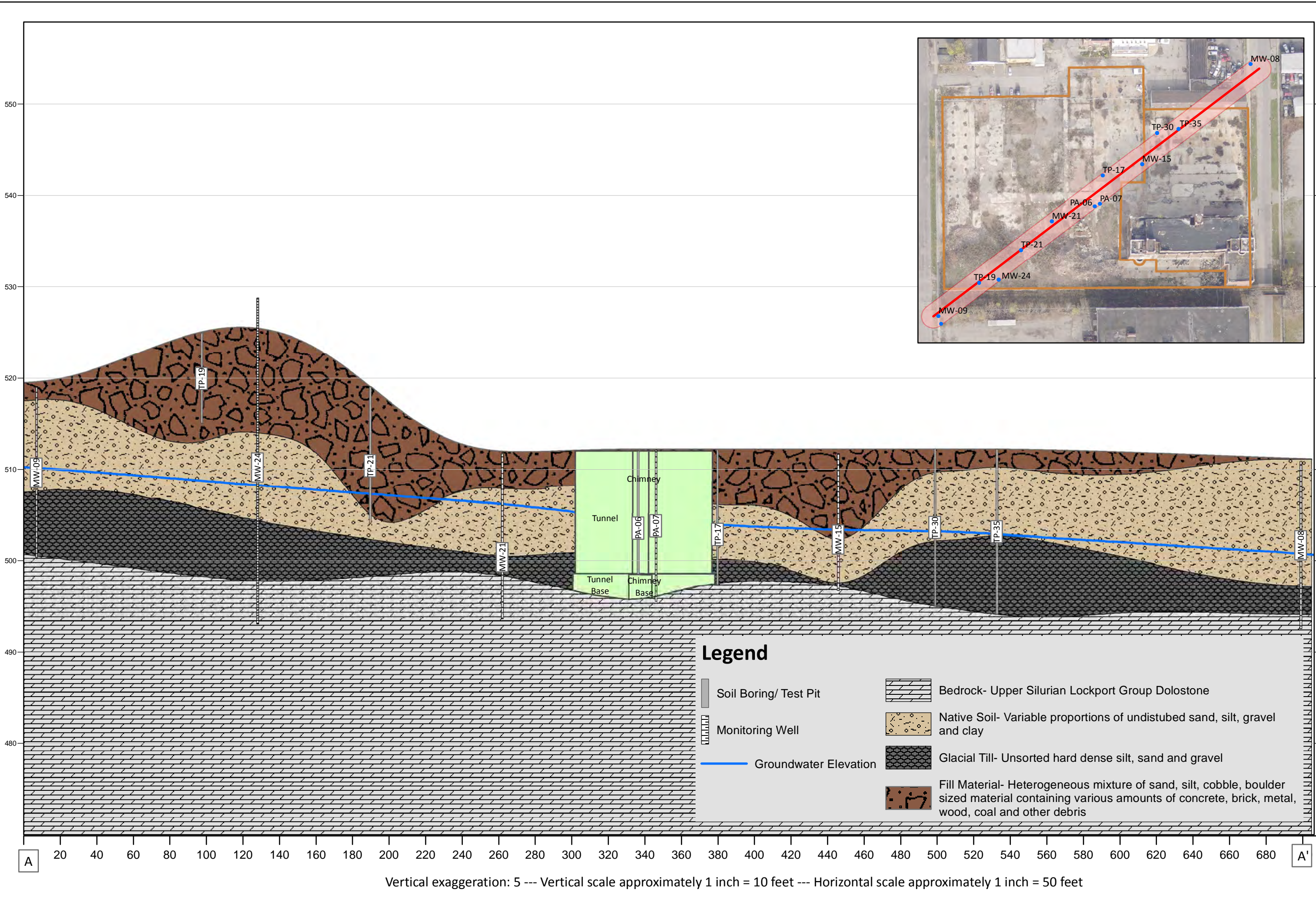
FIGURE 6.2  
 SURFACE AND SUBSURFACE INVESTIGATION - REPRESENTATIVE SUBSURFACE FEATURES  
 ORCHARD WHITNEY PREDEVELOPMENT SUBSURFACE CONDITIONS ANALYSIS  
 415 ORCHARD STREET/354 WHITNEY STREET  
 ROCHESTER, NY



**Legend**

-  AREA OF CONTAMINATED SOIL REMOVAL (2015)
-  FORMER TANK VAULT
-  CHIMNEY BASE
-  PLATING AREA
-  PROPERTY LINE
-  PIATING AREA EXCAVATION LIMITS

 0 80 160  
 Feet 1 inch = 65 feet

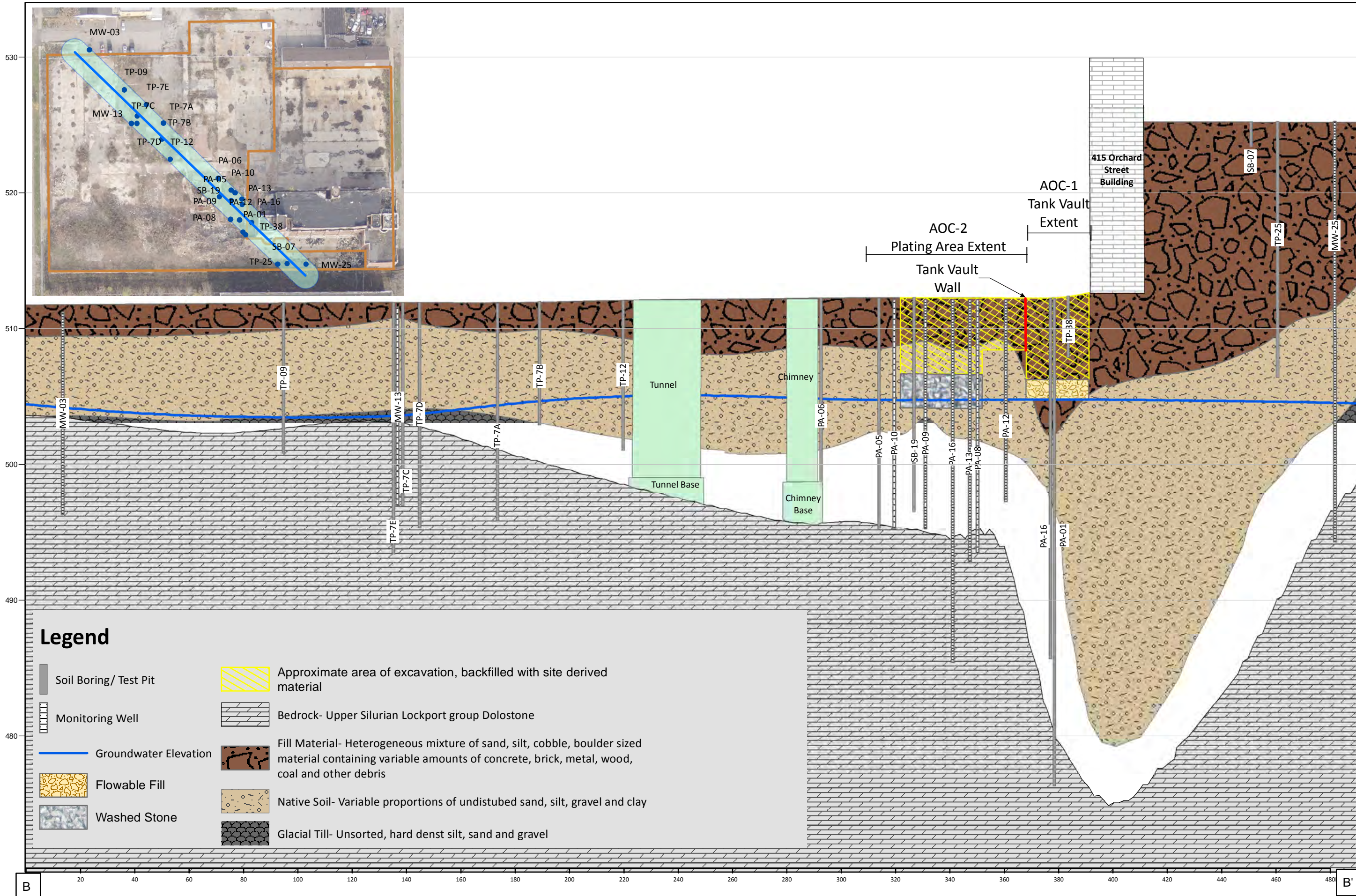


DATE: FEBRUARY 2017  
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FIGURE 7.1  
 GEOLOGIC CROSS SECTION A-A'  
 ERP SITE #E828123  
 ROCHESTER, NY





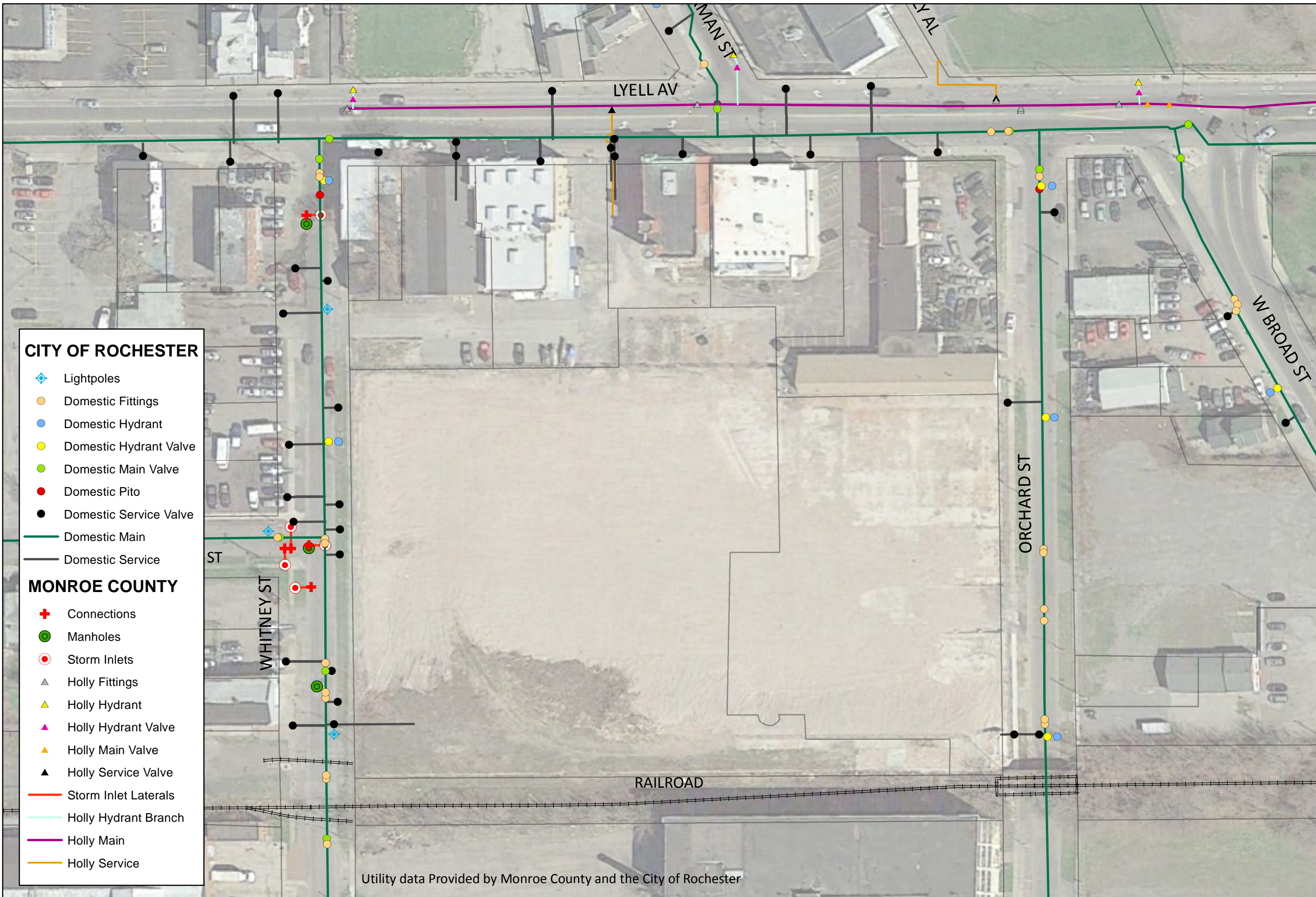
Vertical exaggeration: 5 --- Vertical scale approximately 1 inch = 6 feet --- Horizontal scale approximately 1 inch = 30 feet

DATE: OCTOBER 2013  
 SCALE: as noted  
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 DATA SOURCE:



FIGURE 7.2  
 GEOLOGIC CROSS SECTION B-B'  
 ERP SITE #E828123  
 ROCHESTER, NY





**CITY OF ROCHESTER**

- Lightpoles
- Domestic Fittings
- Domestic Hydrant
- Domestic Hydrant Valve
- Domestic Main Valve
- Domestic Pito
- Domestic Service Valve
- Domestic Main
- Domestic Service

**MONROE COUNTY**

- Connections
- Manholes
- Storm Inlets
- Holly Fittings
- Holly Hydrant
- Holly Hydrant Valve
- Holly Main Valve
- Holly Service Valve
- Storm Inlet Laterals
- Holly Hydrant Branch
- Holly Main
- Holly Service

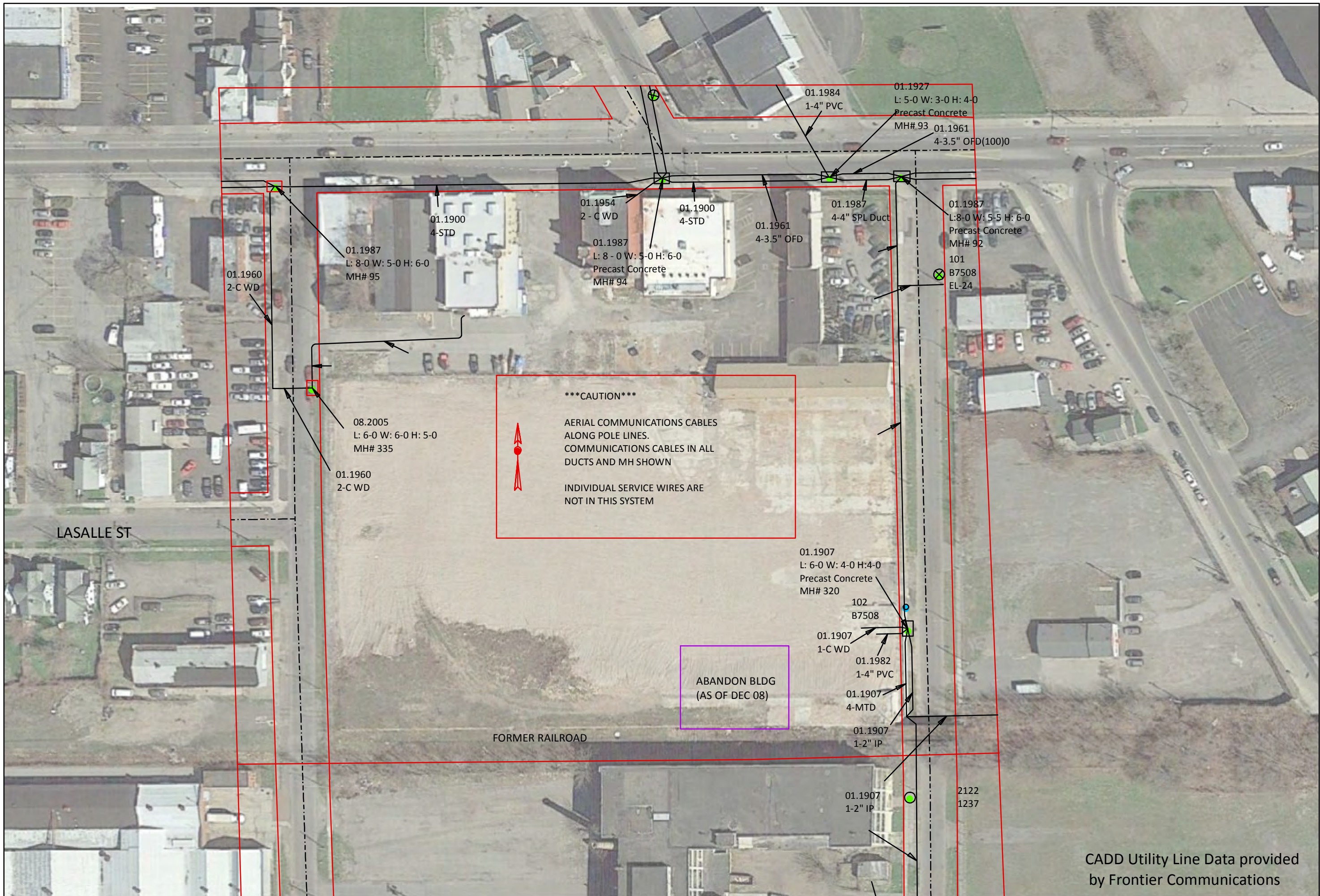
Utility data Provided by Monroe County and the City of Rochester

DATE: FEBRUARY 2017  
 SCALE: 1 Inch = 80 Feet  
 DRAWN/CHECKED: GLA/SMK  
 DATA SOURCE: PICTOMETRY



FIGURE 8  
 MONROE COUNTY AND CITY OF ROCHESTER UTILITIES  
 ORCHARD WHITNEY REDEVELOPMENT STUDY  
 415 ORCHARD STREET/354 WHITNEY STREET  
 ROCHESTER, NY





DATE: FEBRUARY 2017  
 SCALE: 1 Inch = 80 Feet  
 DRAWN/CHECKED: GLA/SMK  
 DATA SOURCE: ESRI online, Frontier



FIGURE 9  
 FRONTIER UTILITIES  
 ORCHARD WHITNEY PREDEVELOPMENT STUDY  
 415 ORCHARD STREET/354 WHITNEY STREET  
 ROCHESTER, NY



CADD Utility Line Data provided by Frontier Communications



**Legend**

- MAIN GAS LINE
- MAIN ELECTRIC LINE

N

0 20 40 80 Feet

1 inch = 80 ft

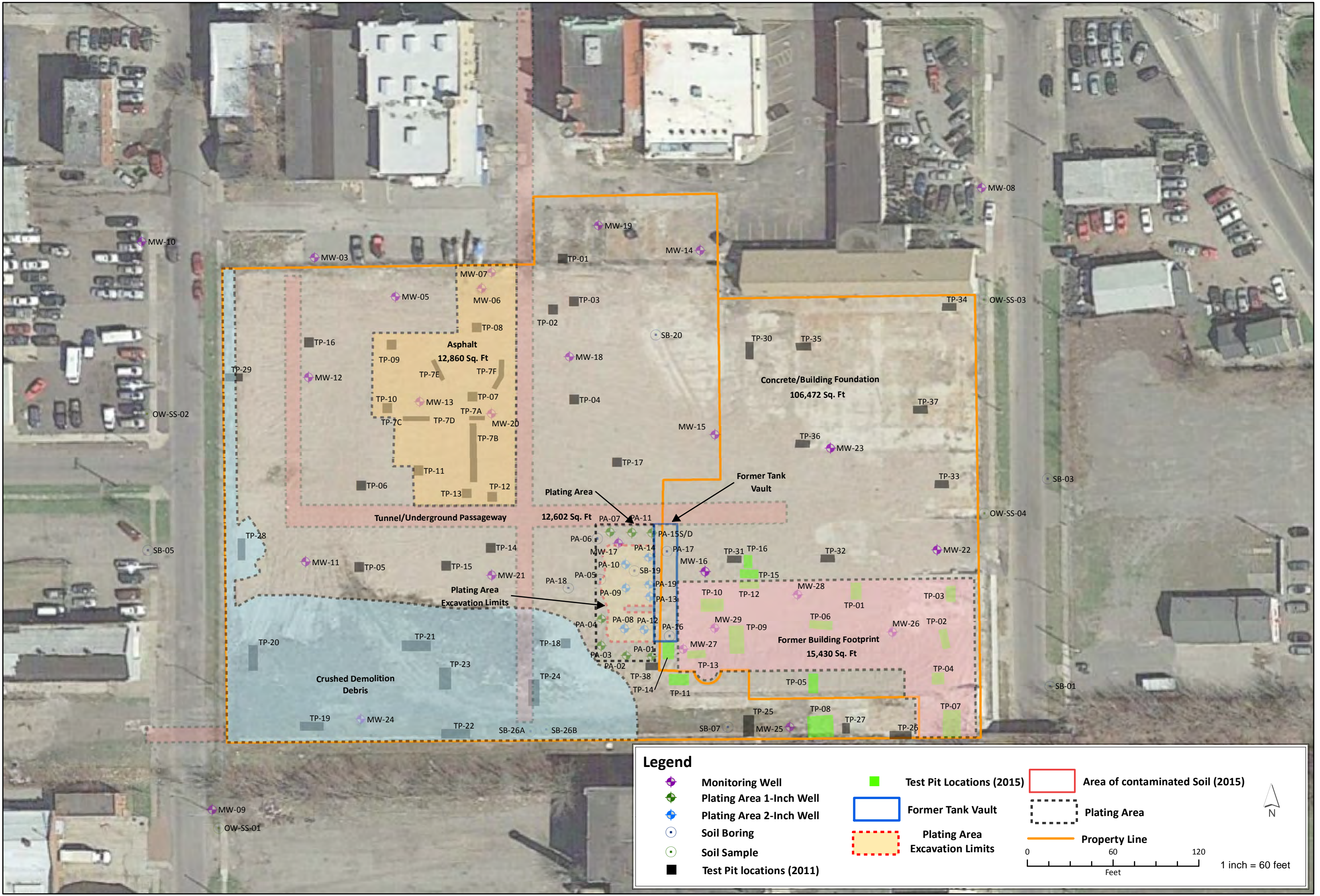
DISCLAIMER: UTILITY LOCATIONS ARE APPROXIMATE FOR CONCEPTUAL PURPOSES ONLY. LOCATIONS ARE RECIPROCATED FROM RG&E PLANS

DATE: FEBRUARY 2017  
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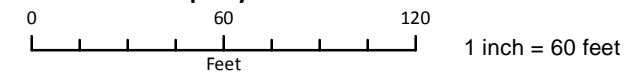
FIGURE 10  
 GAS AND ELECTRIC SERVICE  
 ORCHARD WHITNEY PREDEVELOPMENT STUDY  
 415 ORCHARD STREET/354 WHITNEY STREET  
 ROCHESTER, NY





**Legend**

- ◆ Monitoring Well
- ◆ Plating Area 1-Inch Well
- ◆ Plating Area 2-Inch Well
- Soil Boring
- Soil Sample
- Test Pit locations (2011)
- Test Pit Locations (2015)
- Former Tank Vault
- Plating Area Excavation Limits
- Area of contaminated Soil (2015)
- Plating Area
- Property Line



DATE: FEBRUARY 2017  
 SCALE: 1 Inch = 60 Feet  
 DRAWN/CHECKED: CSB/GLA  
 DATA SOURCE: ESRI Online



FIGURE 11  
 SURFACE MATERIAL AND SUBSURFACE  
 ORCHARD WHITNEY PREDEVELOPMENT STUDY  
 415 ORCHARD STREET/354 WHITNEY STREET  
 ROCHESTER, NY



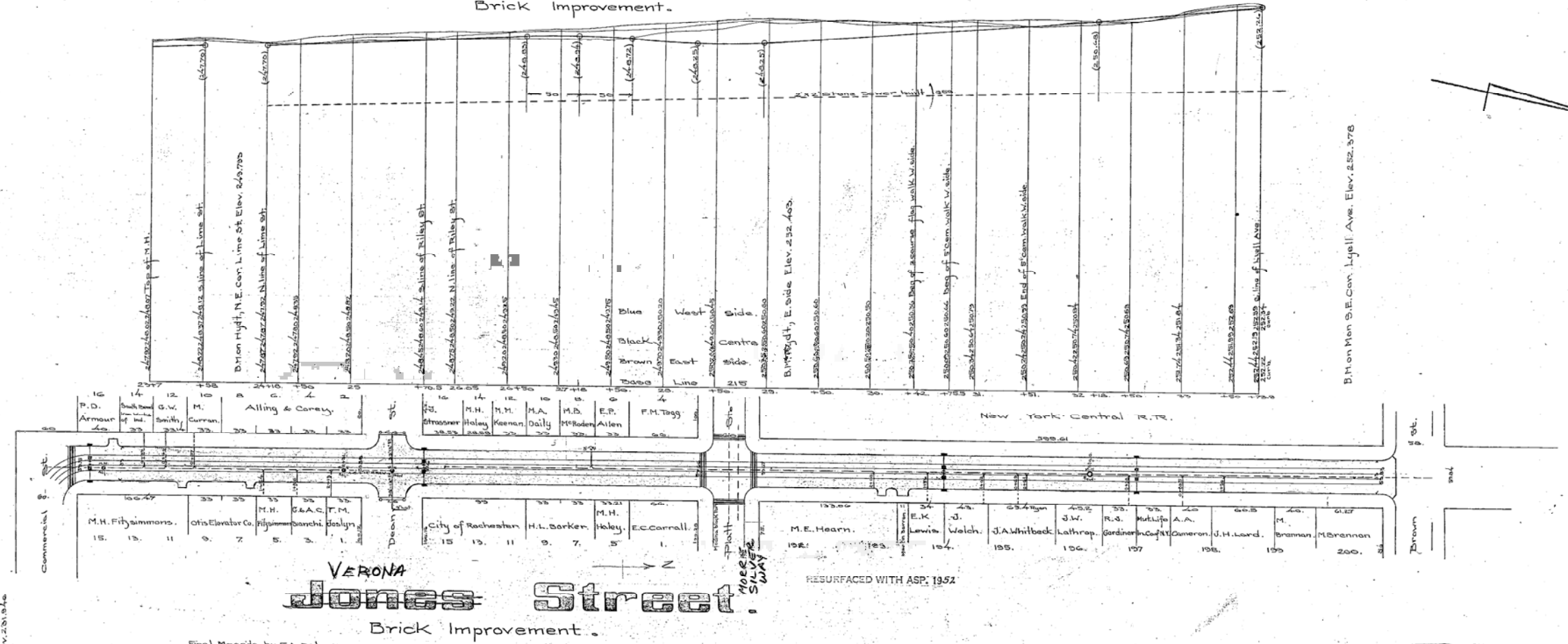


1907.

Inspectors Books #1268 & 1271

# Orchard Street

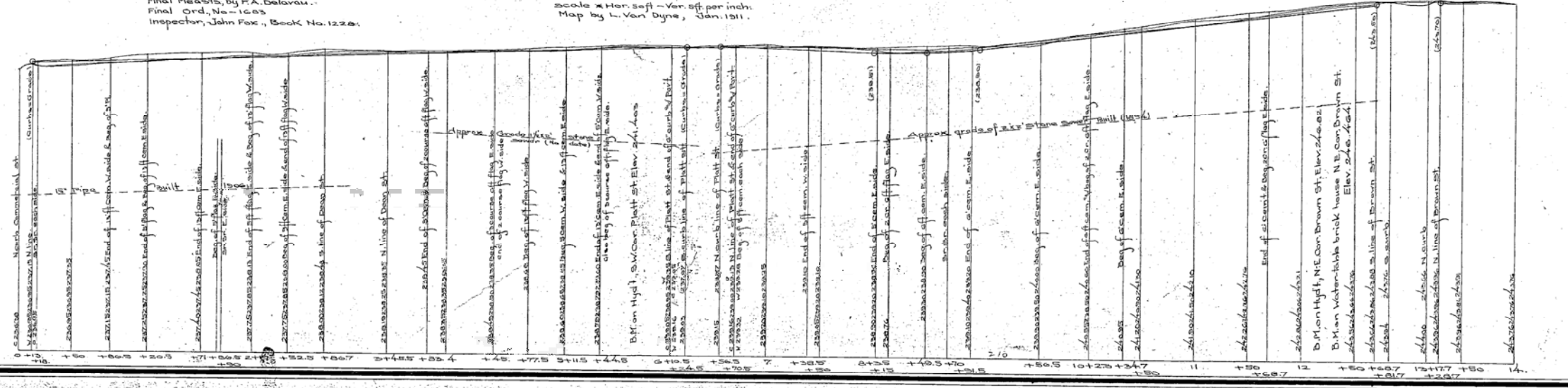
RESURFACED WITH ASP. 1946  
Brick Improvement.



D.M. on water table N.E. Cor. State & Commercial Sts. Elev. 231.84  
D.M. on Hyght, Side Commercial St (Opp. Jones St) Elev. 239.820

Final Meas'ts, by F.A. Delavan.  
Final Ord. No. 1228  
Inspector, John Fox, Book No. 1228.

Scale 1/4" = 10' - Ver. 1" = 10' - 10' per inch.  
Map by L. Van Dyne, Jan. 1911.



D.M. on Hyght, S.E. Cor. Jones & Bay Sts., Elev. 245.467

DATE: SEPTEMBER 2013  
SCALE: 1 Inch = 60 Feet  
DRAWN/CHECKED: SMK/GLA  
DATA SOURCE: PICTOMETRY



FIGURE 12.1  
SEWER AS BUILT DRAWING  
ORCHARD WHITNEY PREDEVELOPMENT STUDY  
415 ORCHARD STREET/354 WHITNEY STREET  
ROCHESTER, NY



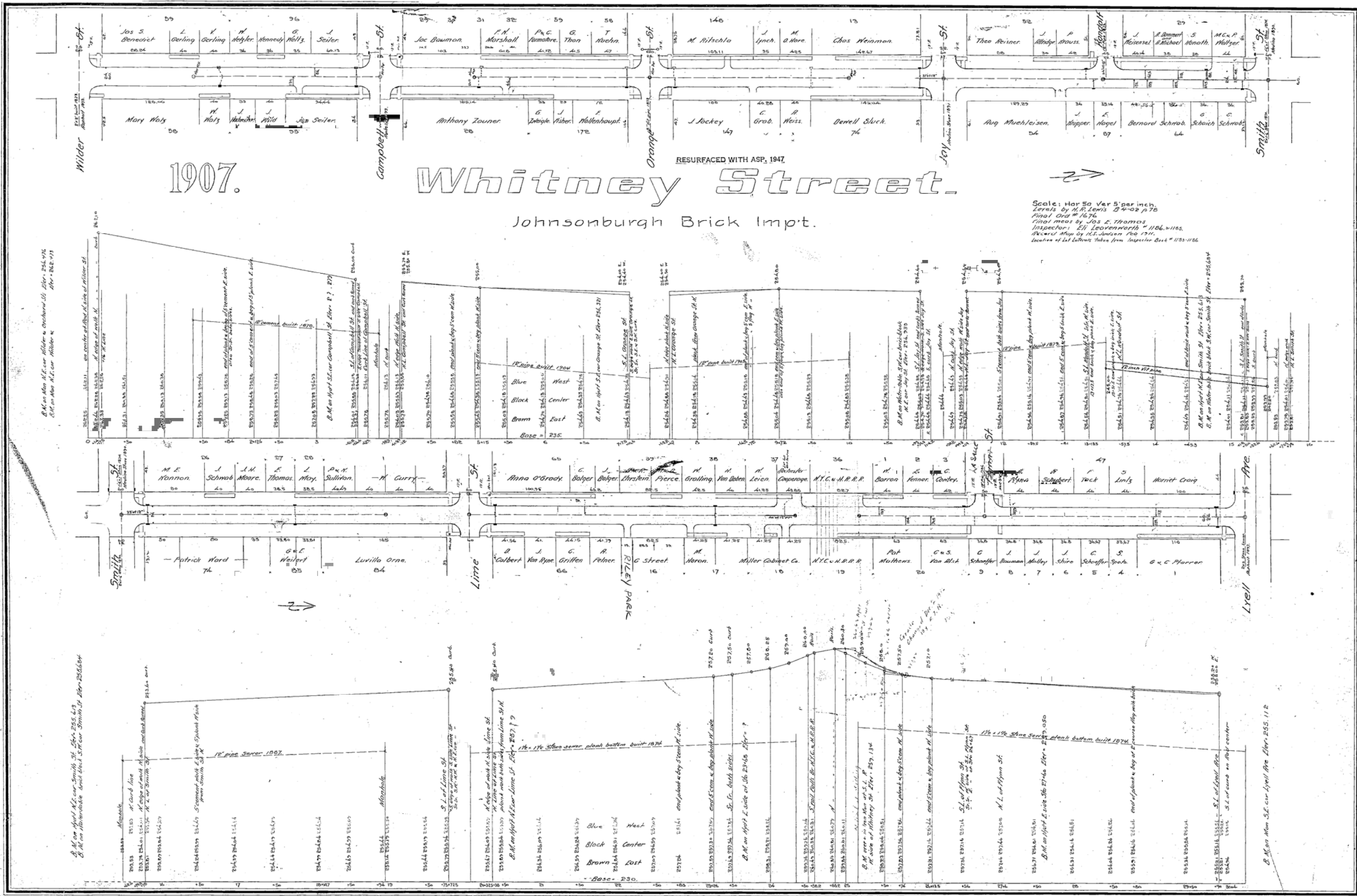


FIGURE 12.2

SEWER AS BUILT DRAWING

ORCHARD WHITNEY PREDEVELOPMENT STUDY

415 ORCHARD STREET/354 WHITNEY STREET

ROCHESTER, NY





Environmental Restoration Program  
Orchard/Whitney Site (#E828123)  
415 Orchard Street /354 Whitney Street  
City of Rochester  
Monroe County, New York

# Site Investigation/Remedial Alternatives Report and Interim Remedial Measures Construction Completion Report

Prepared For:



City of Rochester  
City Hall, Room 300B  
30 Church Street  
Rochester, NY 14614

Prepared By:



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*I, Gregory L. Andrus, CHMM, certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.*



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January 2014

## CERTIFICATIONS

I, Robert Hutteman, am currently a registered professional engineer licensed by the State of New York, I had primary direct responsibility for implementation of the remedial program activities, and I certify that the Supplemental Site Investigation Work Plan and the prior Remedial Investigation and Interim Remedial Measures Work Plan were implemented and that all construction activities were completed in substantial conformance with the Department-approved work plans.

I certify that the data submitted to the Department with this Site Investigation/Remedial Alternatives Report and Interim Remedial Measures Construction Completion Report demonstrates that the remediation requirements set forth in the Supplemental Site Investigation Work Plan and prior Remedial Investigation and Interim Remedial Measures Work Plan and in all applicable statutes and regulations have been or will be achieved in accordance with the time frames, if any, established in for the remedy.

I certify that all use restrictions, Institutional Controls, Engineering Controls, and/or any operation and maintenance requirements applicable to the Site are contained in an environmental easement created and recorded pursuant ECL 71-3605 and that all affected local governments, as defined in ECL 71-3603, have been notified that such easement has been recorded.

I certify that a Site Management Plan has been submitted for the continual and proper operation, maintenance, and monitoring of all Engineering Controls employed at the Site, including the proper maintenance of all remaining monitoring wells, and that such plan has been approved by Department.


I certify that all documents generated in support of this report have been submitted in accordance with the DER's electronic submission protocols and have been accepted by the Department.

I certify that all data generated in support of this report have been submitted in accordance with the Department's electronic data deliverable and have been accepted by the Department.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Robert Hutteman, of Lu Engineers, am certifying as Owner's Designated Site Representative for the site.

072062  
NYS Professional Engineer #

12-16-16  
Date

  
Signature

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## Executive Summary

Lu Engineers has prepared this Site Investigation/Remedial Alternative Report (SI/RAR), on behalf of the City of Rochester, to present findings of the Site investigation (SI) and interim remedial measures (IRMs) at the Orchard Whitney Brownfield Site. The Site is New York State Department of Environmental Conservation (NYSDEC) Site #E828123 (the "Site") and is located at 415 Orchard Street and 354 Whitney Street in the City of Rochester, Monroe County, New York (Figures 1 and 2). The City secured grants from the United States Environmental Protection Agency's (USEPA's) Brownfield Assistance Program to partially fund investigation and remediation of the Site. The City has also secured a State Assistance Contract under the NYSDEC's Environmental Restoration Program (ERP) to assist with funding RI and IRM work not covered under the EPA grants. The City has also made significant capital investments in the restoration of this property in addition to the partial funding required under the NYSDEC program.

The Site was historically developed with residential housing in the mid 1800's. The Site developed into manufacturing and industrial uses in the early 1900s. The Delco Appliance Division of General Motors occupied the Site from 1930 to 1967. The plant closed in 1967 and the property continued to be used for various industrial operations until 1990 when the Site was abandoned. The City acquired the Orchard Street parcel through tax foreclosure in 2000. In 2003, a large portion of the structures at the Whitney Street parcel was damaged during an arson fire. The City demolished the most heavily damaged structures in 2005 and foreclosed on the Whitney Street parcel in August 2006.

As the City initiated the RI in 2006, deteriorating and unsafe conditions relative to the structures at 354 Whitney Street and 415 Orchard Street warranted asbestos and hazardous materials abatement and demolition. This work was completed by the City in 2008 and 2009 to allow safe completion of SI activities and to mitigate concerns regarding potential trespassing and vandalism. The remaining building structure on the Site is the 415 Orchard Street "High Rise", which the City plans to demolish in early 2014. The footprint of this structure has been subdivided from the parcels making up the Site to allow completion of the SI and IRMs elsewhere on the Site under the NYSDEC's ERP.

SI and IRM efforts were completed in a phased process which prioritized the investigation of probable contaminant source areas to facilitate the development of effective IRMs as the SI process was underway. A total of eight (8) Areas of Concern (AOCs) were identified during the SI including:

- AOC-1:** Underground Storage Tanks (located on the west side of the 415 Orchard Street High-Rise)
- AOC-2:** Former Metal Plating Area (located immediately west of AOC-1)
- AOC-3:** Abandoned Hydraulic Lift (located in the north-central portion of the Whitney Street (open) parcel)

- AOC-4:** Former Gasoline Storage and Dispenser (located in the center of the Whitney Street Parcel)
- AOC-5:** Drain Systems (located beneath former buildings in the Whitney Street parcel)
- AOC-6:** Underground Tunnels and Buried Utilities
- AOC-7:** Former “Low-Rise” (footprint of former single-story building at 415 Orchard)
- AOC-8:** Former Coal Storage (located along southern Site perimeter)

AOCs are illustrated on Figure 3.

AOCs 4, 5, 6, 7 and 8 were determined to include conditions that did not require remediation. AOCs 1, 2 and 3 were determined to represent significant environmental liabilities to the Site warranting implementation of IRMs. Prioritization of AOCs relative to the associated environmental risks facilitated completion of IRMs designed to mitigate the most serious environmental concerns on the Site, and allowed completion of SI efforts associated with those areas which greatly reduced potential for human exposures or unnecessary release of contaminants into the environment.

AOC-related IRM efforts focused on closure of nine (9) underground storage tanks (USTs) and the removal, off-Site disposal and in-Situ remediation of soil and groundwater contaminated with chromium, arsenic and cadmium. IRM activities are summarized in the Final Engineering Report (FER) submitted to the City concurrently with the SI/RAR. A summary of the hazardous and non-hazardous wastes removed from the Site as part of the completion of IRMs relative to AOCs identified during the SI is provided by the following table.

**IRM Quantity Summary (2010-2012)**

<b>IRM WASTE STREAMS</b>	<b>WASTE QUANTITY</b>	<b>ASSOCIATED AOC</b>
UST Waste Products (Petroleum and Solvents)	14,245 gallons	AOC-1
Non-Hazardous Tank Bedding Materials	213.28 tons	AOC-1
Hazardous Tank Bedding Soil	14.6 tons	AOC-1
UST Cleaning Residues	1,110 gallons	AOC-1
Non-Hazardous Soils (Including Chimney Ash)	533.65 tons	AOC-2
Hazardous Soils	127.05 tons	AOCs-1 & 2
Decontamination and Purge Water	100 gallons	AOCs-1 & 2
Frac Tank Cleaning Residues	55 gallons	AOC-1
Chimney Base Waste Water	555 gallons	AOC-2
Petroleum-Contaminated Soils	5 tons	AOC-3

IRMs were also completed during the early stages of the SI between 2006 and 2009 as part of the demolition of both 354 Whitney Street and the “Low Rise” portion of 415

Orchard Street. IRM materials disposed of other than asbestos and hazardous building components remediated by Lu Engineers on behalf of the City during this period are indicated on the following table.

**IRM Wastes (Pre 2010)**

<b>CONTAINERS</b>	<b>CONTENTS</b>
1 - cubic yard box (lined)	Waste circuit boards contaminated with asbestos
1 – 30 gallon polyethylene drum	Sand blast waste
1 – 55 gallon fiber drum	Paint-related wastes
1 – 55 gallon fiber drum	Paint-related wastes
1 – 55 gallon fiber drum	Paint-related wastes
1 – 55 gallon fiber drum	Paint-related wastes
1 – 5 gallon bucket	Aerosol paint waste
1 – 55 gallon steel drum	Waste circuit boards contaminated with asbestos
1 – 55 gallon steel drum	Waste circuit boards contaminated with asbestos
1 – 55 gallon steel drum	Oil from large transformers (Transformer/Lube Oil)
1 – 55 gallon steel drum	Spill cleanup materials and soil with asbestos
1 – 85 gallon plastic overpack	Waste oil with lead
1 – 85 gallon plastic overpack	Waste oil (Transformer/Lube Oil)
1 – 85 gallon plastic overpack	Acidic boiler treatment
1 – 85 gallon plastic overpack	Caustic cleaner material
1 – 85 gallon plastic overpack	Propylene glycol

SI work on this project has included surface soil sampling, soil borings, test pit installation and groundwater monitoring well installation and sampling. Findings from these efforts are summarized herein and have provided adequate data to determine the extent of contaminated soil and groundwater within the boundaries of the Site. Sampling of surface soils, subsurface soils and groundwater in the immediate vicinity of the Site has also been completed, allowing determinations as to background conditions and the potential for off-site migration of target contaminants from and/or toward the subject properties.

Based on current zoning, past use and likely future use of the site, 6NYCRR Part 375 Commercial Use Soil Cleanup Objectives (SCOs) were deemed appropriate for the Site for comparison of sample analytical results. These standards were also applied as the cleanup criteria for remedial confirmatory sampling. The applicable NYSDEC Groundwater Standards found in 6NYCRR Part 703 were used to evaluate Site groundwater conditions. Tabulations of all analytical data and applicable regulatory criteria are provided herein.

Resource Conservation and Recovery Act (RCRA) metal contaminated soils remain on the Site as a result of past metal finishing operations. In particular, chromium is present at levels exceeding 6NYCRR Unrestricted Use SCOs in each subsurface sample obtained. Groundwater contamination by RCRA metals is less prevalent, but exceedances remain

in several locations. Exceedances of Commercial Use SCOs are present in soils sampled from several locations, including off-Site surface soils, for RCRA metals and semi-volatile organic compounds (SVOCs). No exceedances of Commercial Use SCOs for polychlorinated biphenyls (PCBs) have been observed in soils during the SI. Several exceedances of applicable groundwater criteria are also present for RCRA metals and a limited number of volatile organic compounds (VOCs). No elevated levels of SVOCs or PCBs have been detected in groundwater at the Site.

Hazardous waste level contamination identified in soil and groundwater during the initial phases of the SI was mitigated by the implementation of several IRMs. Hazardous waste level contamination of soil or groundwater is no longer present at the subject Site.

Contaminant sources identified and mitigated during the SI and IRM process included petroleum and solvent storage systems, past metal finishing/plating operations, hydraulic systems, industrial drainage systems, an abandoned coal-fired boiler plant, various electrical equipment and widespread asbestos-containing materials. Each of these issues was investigated and mitigated as IRMs were completed if warranted by the severity of the contaminants identified.

Recommendations for future work include development of a Site Management Plan to provide a clear means of identifying areas of the Site with residual contamination that may require special handling and/or disposal. The SMP will also specify procedures to be followed if contaminated media is encountered during future Site use or redevelopment.

It is also recommended that the concrete slabs remaining on the ground surface throughout much of the property remain in place for as long as practicable to prevent potential dust generation in dry periods and to prevent potential human exposure to potentially contaminated media in the subsurface.

## 1.0 Introduction and Site Background

Lu Engineers has prepared this Site Investigation/Remedial Alternatives Report (SI/RAR) for the City of Rochester (the “City”) Division of Environmental Quality (DEQ) for submission to the New York State Department of Environmental Conservation (NYSDEC) Region 8 Division of Environmental Remediation (DER). This report has been prepared in accordance with the “Municipal Assistance for Environmental Restoration Projects” Procedures Handbook and DER-10 “Technical Guidance for Site Investigation and Remediation.”

The City received a State Assistance Contract (SAC) under the NYSDEC 1996 Clean Water/Clean Air Bond Act - Environmental Restoration Program (ERP) for the Orchard Whitney Site #E828123 (the “Site”) located in the City of Rochester. The City was also awarded grants from the USEPA to complete investigation and remedial activities as part of this project. The City used these funds to complete investigative work and interim remedial measures as described in the NYSDEC-approved *Remedial Investigation Work Plan, August 2006, Interim Remedial Measures Work Plan, September 2007, and the Remedial Investigation and Interim Remedial Measures Work Plan, February 2011*, by Lu Engineers.

The purpose of this report is to document the investigation process and present findings of the Site investigation (SI) conducted by Lu Engineers on behalf of the City at the Orchard Whitney Site and adjacent off-Site (City-owned) properties. This report also includes a qualitative evaluation of alternatives for addressing environmental impacts.

### 1.1 Site Description

The Orchard-Whitney Site is a 3.9-acre site consisting of two parcels: 415 Orchard Street and 354 Whitney Street, in the City of Rochester (Figures 1 and 2). The Site lies within the City’s LYLAKS (Lyell-Lake-State Street Corridor) Brownfield Opportunity Area (BOA) that includes mixed residential and commercial/industrial uses.

The Whitney Street parcel is currently a fenced vacant lot covered mainly with concrete slabs and debris piles. Demolition of all structures on the 354 Whitney Street parcel was completed in 2008. Crushed masonry, brick, concrete and stone building materials generated during the demolition process are staged along the southern edge of the Whitney Street parcel. A smaller berm of similar material is also present along the western Site perimeter.

A seven (7) story masonry structure of approximately 371,600 square feet (ft) remains on the Orchard Street parcel (“High Rise”). An adjacent, heavily dilapidated single-story structure (“Low-Rise”) was demolished by the City in December 2009. The footprint of the 415 Orchard Street “High Rise” is in the process of being subdivided from the

adjoining parcels to facilitate processing of the RI findings with respect to the majority of the Site in lieu of future investigation of subsurface conditions within the building's foot print. This area of the Site remains inaccessible due to the presence of large amounts of friable asbestos within the structure. The parcels currently comprising the Site are indicated on the Site Survey Plan provided as Appendix A.

The Site is bordered by Orchard Street to the east, a former railroad right-of-way to the south, Whitney Street to the west, and commercial buildings with frontage on Lyell Avenue, to the north.

## **1.2 Site History**

According to previous environmental reports for the Site, the area was originally developed with residential housing in the mid 1800's. Railroad spurs were extended through the southern adjacent properties circa 1875 and the tracks were used for coal and metal delivery and shipping as the Site and surrounding properties developed into manufacturing and industrial uses in the early 1900s. From 1915 to 1922, the North East Electric Company occupied the Site.

The Delco Appliance Division of General Motors occupied the Site from 1930 to 1967 and had several processes including the manufacture of electrical equipment, various metal finishing operations, coal storage, boiler operation, power generation, petroleum storage and industrial waste water treatment. The facility was expanded to its pre-demolition size and configuration by 1935. The plant closed in 1967 and the property continued to be used for metal finishing, synthetic foam production, printing, plastics manufacturing, electronic manufacturing, and warehousing until 1990 when the Site was abandoned. Figure 3 includes the layout of the former factory buildings located on the Site prior to demolition.

After the cessation of commercial use of the Site in 1990, the Site conditions have continued to decline and in 2003, a large section of the structures on the Whitney Street parcel were heavily damaged during an arson fire. The City partially demolished the structure in 2005 to reduce the risk of collapse and to eliminate other hazardous conditions at the Site. The City foreclosed on the Whitney Street parcel in August 2006.

## **1.3 Previous Field Investigations**

The Site has undergone a series of environmental investigations since the late 1990's in order to assess Recognized Environmental Concerns (RECs) at the Site. These investigations include:

- Draft Center City Industrial Park Facility Assessment, *Flint, Allen, White & Radley*, April 1999;

- Phase I Environmental Site Assessment (ESA): 354 Whitney Street and 367, 370, 406, and 415 Orchard Streets, *Day Environmental, Inc.* December 2000;
- Pre-Demolition Asbestos Inspection of 354 Whitney Street Bldg 1A, *ENSR International*, August 2003;
- Pre-Demolition Asbestos Inspection of 354 Whitney Street Bldg 2/2A/ Brick Mill, *ENSR International*, August 2003; and
- Orchard-Whitney Targeted Site Assessment Report, *NYSDEC Region 8*, December 2006.

IRMs completed during the time period before the Site was entered into the State's ERP also included:

- United States Environmental Protection Agency (USEPA) Hazardous Substance Removal Action, 1999
- Demolition of the western portions of the 354 Whitney Street buildings in 2003

#### Draft Center City Industrial Park Facility Assessment, 1999

The Flint, Allen, White & Radley Draft Center City Industrial Park Facility Assessment consisted of visual inspection and analysis of general structural and Site conditions including interior and exterior roof conditions, floor loading potential and an estimated cost for rehabilitation and/ or demolition.

#### USEPA Hazardous Substance Removal Action, 1999

Numerous drums containing suspected hazardous wastes were found in the abandoned 354 Whitney Street building during an inspection conducted by the City and NYSDEC. NYSDEC requested that the USEPA characterize and remove the abandoned wastes to mitigate the significant environmental and human health hazard posed by these substances. USEPA removed and disposed of over 700 drums of various sizes during this removal action. This building was later gutted by fire and subsequently demolished by the City in 2005.

#### Phase I ESA, 2000

The results of the Day Environmental, Inc. Phase I ESA identified several RECs including:

- The presence or former presence of petroleum or chemical underground storage tanks (USTs), the locations and removal of which could not be confirmed. Laboratory analysis of samples from pre-existing monitoring wells at the Site indicated that petroleum, heavy metals and chlorinated contaminants were present in groundwater above regulatory guidance values;
- The presence of suspected and confirmed asbestos containing materials (ACM) throughout all structures at the Site;

- Historical uses of the properties and adjacent properties which suggested the use, storage and generation of Resource Conservation and Recovery Act (RCRA) hazardous wastes such as: oil and lead based paints, lubricants, flammable liquids, heavy metals, and PCB oils. In addition, the Site is known to have at least two (2) documented NYSDEC spill incidents;
- Visual evidence of additional spills in locations where numerous drums of unknown materials were being staged;
- The presence of several transformers, hydraulic lifts, and other motorized equipment commonly associated with PCB contaminated oils; and
- The presence of floor drains and/ or sumps throughout the buildings containing unknown liquids, chemicals and residues. The discharge points of the drains and sumps could not be confirmed.

Figure 4 identifies the locations of the findings of the Day Phase I ESA.

#### Asbestos Pre-demolition Surveys, 2003

The ENSR International, Inc. Pre-Demolition Asbestos surveys of the structures on the Whitney Street parcel conducted in 2003 indicated that friable and non-friable asbestos was present throughout all Site buildings including: roofing and flooring materials, window glazing, pipe insulation, wall board and insulation. Portions of the Site were already in decline, and friable asbestos was present where roofing materials had collapsed, windows were vandalized and pipe and wall insulation was damaged.

#### NYSDEC Investigation, 2005

The NYSDEC conducted a Targeted Site Assessment in the Fall of 2005 to evaluate the Site for potential registry as an Inactive Hazardous Waste Disposal Site (IHWDS). The assessment consisted of:

- A geophysical survey to determine the location of buried metallic anomalies such as USTs or utilities;
- A utility survey to locate major utility right-of-ways and to identify potential contaminant pathways;
- Installation of soil borings/ monitoring wells to assess subsurface soil and groundwater quality and flow direction;
- Collection of surface soil samples to determine the potential for direct contact exposure to contaminants; and
- Collection of basement standing water samples to determine whether it was a source of contamination to groundwater.

The results of the NYSDEC investigation indicated surface soil samples were contaminated with SVOCs and PCBs, as well as metals. The investigation was inconclusive as to the source, nature and extent of any subsurface soil or groundwater contamination at the Site. The Site was not listed on the IHWDS registry; however,



further investigation was recommended to fully evaluate conditions at the Site. The location of USTs or other potential contaminant source areas were not identified during this investigation.

## 2.0 Investigation Activities

The Study Area for this investigation consisted of two (2) parcels, 415 Orchard Street and 354 Whitney Street, and was selected in accordance with recommendations by the NYSDEC to provide current Site information for further evaluation of the nature and extent of contaminants present at the Site. It is noted that the footprint of the 415 Orchard “High Rise” is in the process of being subdivided from the adjoining parcels to facilitate processing of the SI findings with respect to the majority of the Site in lieu of investigation of subsurface conditions within the building’s foot print. This area of the Site remains inaccessible due to the presence of large amounts of friable asbestos within the building.

A variety of SI efforts and IRMs have been completed at various times since Lu Engineers was retained by the City in July 2006. This iterative approach was necessary due to the fact that RI and IRM work needed to be coordinated with the demolition of 354 Whitney Street in 2008 and the “Low-Rise” portion of 415 Orchard Street in 2010. IRMs were required to allow demolition in certain cases and to facilitate access to areas of the Site requiring additional SI work. IRM and SI efforts to date have been summarized as they were completed in memoranda and correspondence provided to the City, NYSDEC and NYSDOH, as necessary.

Lu Engineers initiated the SI in 2006 with detailed inspections of the remaining structures on the Site. In addition to focusing on the imminent demolition of the remaining structures at 354 Whitney Street, all above and below-grade structures at the Site were investigated in conjunction with detailed review of available record plans provided by the City. A significant goal of the RI at this time was the identification and mitigation of contaminant source areas and potentially contaminated and/or hazardous materials contained in buildings targeted for demolition.

A number of qualified contractors and laboratories have been utilized for the SI and IRM efforts relative to the Orchard Whitney Site. Lu Engineers retained each of the subcontracted companies through a competitive bidding process overseen by the City and NYSDEC. Contractors and laboratories utilized for the SI tasks include the following:

<u>Subcontractor</u>	<u>Work Performed</u>
Paradigm Environmental Services, Inc.	Analytical services
Test America, Inc.	Analytical services
Paragon Environmental Services, Inc.	Drilling and test pits
Trec Environmental Services, Inc.	Test pits
Nothnagle Drilling, Inc.	Drilling
Jamko, Inc.	Utility assessment
GeoHydros, Inc.	Assistance with contaminant modeling
Nancy Potak	Data Validation

Prior to beginning intrusive work, the Underground Facilities Protective Organization (UFPO) was contacted by each contractor at each iteration of the SI and IRM process. Private utilities and agencies were contacted separately.

## **2.1 Pre-Demolition Phase Investigation and IRMs (2006-2007)**

Lu Engineers conducted a detailed inspection of the structures located on the Site at that time including the 415 Orchard Street “High” and “Low-Rise” as well as the various contiguous structures remaining at 354 Whitney Street. This investigation was conducted in accordance with the approved *Remedial Investigation Work Plan (August 2006)* in order to locate and characterize hazardous or contaminated materials that required removal prior to, or concurrently with, demolition.

The pre-demolition investigation was completed in February 2007 and included the following:

- PCB assessment of all existing facility equipment including, but not limited to, hydraulic lifts, electrical equipment, ballast and bulbs, oily residues in facility drip pans, melt-water and flooding in the Engine Room of 354 Whitney Street, and liquid materials in floor drains and trenches;
- A full hazardous materials inventory including sampling for waste characterization to identify all materials requiring appropriate disposal prior to demolition;
- A limited lead inspection and sampling for both 354 Whitney Street and 415 Orchard Street; and
- An asbestos pre-demolition survey at 415 Orchard Street.

### **2.1.1 PCB Assessment**

The first SI measure taken on the Site was the 2006 completion of an assessment of the occurrence of PCBs with the buildings present on the Site at that time. Site conditions documented in previous investigations indicated the presence of stained areas where former transformers and other electrical equipment was located. In addition, water had flooded portions of the lower level of the powerhouse on the Whitney Street parcel. Drainage from rain and snow melt entered the trenches and drains in the building creating the possibility for PCBs to contaminate the water. Samples of various media were collected from a total of 19 locations during this process.

None of the surface wipes, concrete chip samples, water or oil samples contained PCBs at regulated levels. A report was developed on the findings of this effort, which includes detailed descriptions of sampling methods and procedures for sampling activities. This report is included as Appendix B.

### 2.1.2 Hazardous Materials Inventory and Characterization

Concurrently with the PCB Assessment, a room by room Hazardous Materials Inventory was conducted in all buildings to identify and quantify suspected hazardous materials and to characterize the materials for proper disposal. Research of Material Safety Data Sheets (MSDS) or related databases to facilitate disposal was also conducted. The inspection included assessment of underground tanks, vaults, or cisterns, electrical/mechanical equipment, drummed and containerized waste, residual coal, ash and miscellaneous waste abandoned on-Site.

Other potential hazardous materials contained in building components were inventoried as part of the Whitney Street building demolition process and included:

- Drained oils from equipment and or containers, disposed of as waste oil;
- Sandblast material located in the sandblast hood in the vehicle repair bay;
- Ash material from the boiler, the flue duct leading from the boilers to the stack, and from the inside of the stack;
- Sediment in the north floor drain of the vehicle repair bay;
- Six (6) unknown drums and eighteen (18) empty drums were located in a tunnel beneath the former Building 3;
- One (1) unknown wooden drum and one (1) 55-gal oil drum were located in the boiler room, and one (1) 55-gal drum was located in the northwest portion of the second floor. Also, approximately ten (10) small 3 to 5-gal containers were located on the mezzanine level of the second floor near the South East staircase;
- Potential hazardous materials may have been contained in the debris piles;
- 130 PCB containing ballasts and 160 unknown but suspect PCB containing ballasts;
- 200 fluorescent bulbs;
- Three (3) transformers located on the 6<sup>th</sup> floor exterior of the Orchard Street Building between the southeast staircase and the south east elevator;
- Various paint containers;
- Approximately twenty (20) bags of populated circuit board wastes; and
- Pigeon droppings in varying amounts on the majority of interior building surfaces.

Samples of the unknown and/ or potential hazardous materials were collected on August 30 and 31, 2006. Additional samples were also collected on September 8, 2006 and October 16, 2006.

Results of the hazardous materials inventory were summarized in a memorandum *Orchard/Whitney Hazardous Materials Inventory Sampling Results* (Lu Engineers, February 2, 2007) submitted to the City. A copy of the memorandum is included in Appendix B.

### **2.1.3 Limited Lead Survey**

An EPA-certified Lead Risk Assessor from Lu Engineers conducted the Limited Lead Inspection on August 30, 2006. Several surfaces with damaged paint were sampled for lead content. In addition, lead dust wipe samples were collected from floor areas adjacent to damaged paint. A total of ten (10) lead paint chip samples and two (2) lead dust wipe samples were collected. In addition, one (1) lead dust wipe control sample was collected.

The samples were submitted to an Environmental Laboratory Accreditation Program (ELAP), National Voluntary Laboratory Accreditation Program (NVLAP), and American Industrial Hygiene Association (AIHA) certified laboratory. The samples were analyzed for total lead content by EPA Method 7420.

Detailed descriptions of sampling methods and results for all sampled media were provided to the City in the following reports:

- *Limited Lead Inspection Technical Memorandum, Abandoned Property Located at 415 Orchard Street*, Lu Engineers, November 27, 2006
- *Limited Lead Inspection Technical Memorandum, Abandoned Property Located at 354 Whitney Street*, Lu Engineers, November 27, 2006

Copies of these documents are included in Appendix B.

### **2.1.4 Pre-Demolition Asbestos Survey (Orchard Street Parcel)**

A Pre-demolition asbestos survey of the “High” and “Low Rise” structures on the Orchard Street parcel was conducted by a New York State Department of Labor (NYSDOL) certified Asbestos Inspector in August 2006 to identify and quantify materials suspected to contain or be contaminated with asbestos. Approximately two hundred forty (240) bulk samples were collected from all suspect Asbestos Containing Materials (ACMs). Samples were collected in accordance with Asbestos Hazard Emergency Response Act (AHERA) regulations, 40 Code of Federal Regulations (CFR) Part 763.86 and 763.87 and NYS Code Rule 56-5.1.

Samples were relinquished to an approved NYSDOH and federally accredited NVLAP, National Institute of Standards and Technology (NIST), AIHA laboratory for analysis. Friable samples were analyzed using NYS ELAP Method 198.1 (Polarized Light Microscopy (PLM)). Non-friable organically bound (NOB) samples were analyzed using NYS ELAP Method 198.1 (PLM) and/or NYS ELAP

Method 198.4 (Transmission Electron Microscopy (TEM)). This document was submitted to the City upon completion in 2006.

Applicable requirements with respect to the pre-demolition survey and abatement of asbestos containing materials during demolition of the 354 Whitney Street building were addressed by others under separate contract as part of the demolition process.

#### **2.1.5 Demolition Inspection and IRMs**

The City contracted for asbestos abatement and demolition of the 354 Whitney Street structure in 2008 under a separate program. Lu Engineers provided oversight and community air monitoring during the demolition process.

Small amounts of abandoned waste paints, oils and boiler chemicals were disposed of prior to demolition. Other materials were characterized for removal during demolition by Titan Wrecking and Environmental, LLC (Titan) as part of their demolition contract with the City. It is noted that the City completed an asbestos pre-demolition survey and contracted for third party air/project monitoring during the entire 354 Whitney Street demolition process under separate contracts. Lu Engineers provided all subsequent asbestos assessment, abatement design and monitoring services for this project.

Three (3) non-PCB-containing transformers located on the outer wall of the 6<sup>th</sup> floor of 415 Orchard Street were also removed and disposed of to prevent them from potentially falling during demolition of the adjacent structure. Vandalism required cleanup of spilled non-PCB oils from the ground surface as part of this process. After demolition of the 354 Whitney structures, a total of 218 tons of ash containing hazardous waste levels of arsenic from the boiler house chimney was transported and disposed of off-Site. This effort was also completed under Titan's demolition contract.

Masonry demolition debris was crushed to approximately 4-6 inches in diameter and staged on Site above the existing pile of demolition debris left after demolition of the westernmost portions of the 354 Whitney Street complex in 2003. Crushed masonry demolition debris was also staged along the western perimeter of the Site along Whitney Street at that time. This debris is also referred to as the "berm" as illustrated on Figure 5. Surface cover types at the Site (concrete, asphalt, etc.) are indicated as well as the location of the berm(s) on Figure 6.

## 2.2 Post-Demolition Phase Site-Wide Investigation (2008-2009)

Once the remaining 354 Whitney Street structures were demolished, the majority of the Site was accessible, and a more comprehensive intrusive investigation was possible. In accordance with the approved *Remedial Investigation Work Plan (August 2006)*, the following activities were performed:

- Excavation of eighteen (18) test pits (TP-01 through TP-18)
- Completion of twenty-one (21) soil borings
- Collection of five (5) off-Site background soil samples (SB-01, MW-08, SB-03, MW-09, and SB-05)
- Collection of four off-Site (4) surface soil samples (SS-01 through SS-04)
- Installation, development, and sampling of sixteen (16) monitoring wells (MW-07 through MW-22)

Sample locations are shown on Figure 5.

### 2.2.1 Test Pits

An initial test pit investigation was completed on October 1-3, 2008 to evaluate subsurface conditions across the Site. This investigation was completed to provide a preliminary evaluation of the nature and extent of contamination associated with identified areas of concern including: known locations of former petroleum or chemical storage and handling; locations of reported surface spills or staining; floor drains, sumps, trench drains; and areas containing electrical equipment and hydraulic lifts. The following is a summary of the areas investigated by test pit excavations including:

- Surface and subsurface conditions associated with one former in-ground hydraulic lift, one floor drain located in the northwest corner of the 354 Whitney Street building, (see Figure 5/TP-03), and one floor drain located at the former location of the northeast portion of 354 Whitney Street Building (TP-01, TP-02 and TP-03);
- Holes in the central building slab (TP-04);
- The area of the toe of the berm containing demolition debris on the southern portion of the Whitney Street Parcel (TP-05, TP-14 and TP-15);
- Former floor drains and along the Tunnel (TP-06, TP-11,TP-12, and TP-13);
- The central portion of the Site, investigated in order to delineate residual petroleum contaminated soil at TP-07;
- Surface and subsurface conditions associated with pipes of unknown purpose located on the east side of the remaining portion of 354 Whitney Street (TP-08 and TP-9);

- Subsurface conditions associated with a potential former 5,000-gallon gasoline UST and dispenser located on the west side of the north courtyard of 354 Whitney Street (TP-10);
- Area of northwestern tunnel (TP-16);
- Surface and subsurface conditions associated with suspected PCB-containing electrical equipment located in the engine room of 354 Whitney Street (TP-17);
- Surface and subsurface conditions associated with demolition debris located on the south side of the boiler room at 354 Whitney Street (TP-18);

Test pits were excavated by Paragon Environmental Construction, Inc. (Paragon) using a 200-series Komatsu excavator equipped with a jack-hammer to investigate sub-slab features. Headspace screening measurements were recorded using a MiniRae 2000 portable photoionization detector (PID) meter.

Soil samples were collected from each test pit. Visual observations, characterization of subsurface materials, and field measurements of volatile organic compounds (VOCs) were recorded on test pit logs (Appendix C).

**Site-wide Test Pits (2008)**

Test Pit	Depth of Sample Collected	Peak PID Reading <sup>1</sup>
TP-01	4.0 ft bgs (TP-01A)	15 ppm
TP-02	5.5 ft bgs	0 ppm
TP-03	9.0 ft bgs	15 ppm
TP-04	10.0 ft bgs	15 ppm
TP-05	8.0 ft. bgs. (TP-05A)	0 ppm
TP-06	4.0 ft bgs	28.5 ppm
TP-07	4.0 ft bgs	400 ppm
TP-08	9.0 ft bgs	0 ppm
TP-09	9.0 ft bgs	0 ppm
TP-10	9.4 ft bgs	0 ppm
TP-11	9.5 ft bgs	0 ppm
TP-12	No sample collected	0 ppm
TP-13	No sample collected	0 ppm
TP-14	8 ft bgs	0 ppm
TP-15	6 ft bgs	950 ppm
TP-16	No sample collected	0 ppm
TP-17	10.5 ft bgs	0 ppm
TP-18	3 ft bgs (in brick fill)	0 ppm

1 – Does not necessarily correspond to sample depth

Soil samples were collected for laboratory analysis from each test pit, except for TP-12, TP-13, and TP-16 where conditions or proximity to other data points precluded the necessity for sampling. Results of the test pit investigation are summarized in Section 4.0 and Tables 1-1 and 1-2.



The location of each test pit was surveyed by a Lu New York State Licensed Surveyor using NAD 1983 State Plane New York West Coordinates. Test pit locations are indicated on Figure 5.

**2.2.2 Background Soil Borings**

Five (5) soil borings were advanced on September 23-25, 2008 at off-Site locations in order to establish local background concentrations of VOCs, SVOCs and RCRA Metals. Two (2) of these borings were completed as monitoring wells (MW-08 and MW-09) to monitor up-gradient and down-gradient groundwater conditions. Background soil samples were collected from locations shown in the following table.

**Background Soil Borings**

Soil Boring/Monitoring Well Location	Peak PID Reading (ppm)/Depth	Total Boring Depth
SB-01	7.7/6.5 ft	7 ft
MW-08 (SB-02)	0.2/2.5 ft	17 ft
SB-03	0 ppm	10.6 ft
MW-09 (SB-04)	0 ppm	19.2 ft
SB-05	0 ppm	10.7 ft

Background boring locations are shown on Figure 5. Subsurface soil samples were collected continuously via split-spoon in accordance with American Society for Testing and Materials (ASTM) Method D-1586 and characterized according to the Burmeister Soil Classification System. Samples were collected using a standard 2-inch outer diameter (OD) split-spoon driven by a 140-pound drill rig hammer. Blow counts and split-spoon samples were logged by a geologist and recorded on boring logs for reference. Field headspace measurements of VOCs from soil split-spoon samples were recorded using a MiniRAE 2000 portable PID meter. Boring logs are included in Appendix D.

One (1) soil sample was collected from each location and submitted for laboratory analysis of TCL VOCs, SVOCs, TAL Metals, and PCBs. Soil samples were typically collected from the vadose zone (6-8 feet below grade) unless otherwise indicated. Results are summarized in Section 4.0 and the attached Tables 1-1 and 1-2.

**2.2.3 Site-Wide Soil Borings and Sampling**

A total of sixteen (16) borings (SB-06 through SB-21) were completed on-Site by Paragon from September 25 - October 6, 2008 using 4.25-inch ID hollow-stem augers. Monitoring wells were installed at all boring locations, except for SB-07, SB-19, and SB-20 where conditions or proximity to other data points precluded

the necessity for well installations. Sampling relative to soil borings was conducted as shown on the following table.

**Site-wide Soil Borings (2008)**

Soil Boring/Monitoring Well Location	Peak PID Reading (ppm)/Depth	Total Boring Depth
MW-10 (SB-06)	0 ppm	13.4 ft
SB-07	0 ppm	11 ft
MW-11 (SB-08)	0 ppm	10.5 ft
MW-12 (SB-09)	0 ppm	9.3 ft
MW-13 (SB-10)	0 ppm	8.7 ft
MW-14 (SB-11)	0 ppm	15 ft
MW-15 (SB-12)	0 ppm	15.5 ft
MW-16 (SB-13)	0 ppm	24.9 ft
MW-17 (SB-14)	0 ppm	16 ft
MW-18 (SB-15)	0 ppm	11.2 ft
MW-19 (SB-16)	0 ppm	9.5 ft
MW-20 (SB-17)	101 ppm @ 8 ft	12 ft
MW-21 (SB-18)	0 ppm	13.3 ft
SB-19	1.3 ppm @ 5.5 ft	18 ft
SB-20	0 ppm	14.5 ft
MW-22 (SB-21)	0 ppm	11 ft

Boring locations are indicated on Figure 5. Subsurface soil samples were collected continuously via split-spoon in accordance with ASTM Method D-1586 and characterized according to the Burmeister Soil Classification System. Samples were collected using a standard 2-inch outer diameter (OD) split-spoon driven by a 140-pound drill rig hammer. Blow counts and split-spoon samples were logged by a geologist and recorded on boring logs for reference. Field headspace measurements of VOCs from soil split-spoon samples were recorded using a MiniRAE 2000 portable PID meter. Boring logs are included in Appendix D.

Soil samples were typically collected from the vadose zone (6-8 feet below grade) at each boring location. All soil boring soil samples were analyzed for TCL VOCs, SVOCs, TAL Metals, and PCBs. Soil sample results are summarized in Section 4.0 and the attached Tables 1-1 and 1-2.

#### **2.2.4 Monitoring Well Installation and Development**

Paragon installed fifteen (15) new monitoring wells (MW-08 through MW-22) from September 25 - October 6, 2008. [Note: wells MW-1 through MW-7 were installed during previous investigations]. Monitoring well locations were selected to provide representative data relative to conditions throughout the Site. The wells were installed in areas of known former petroleum or chemical

storage and handling, locations of reported surface spills or staining, floor drains, sumps or trench drains, areas containing electrical equipment or hydraulic lifts, and areas of concern identified or incompletely characterized during trenching or building demolition.

Monitoring wells MW-08, MW-09, and MW-10 were installed off-Site at down-gradient, up-gradient, and cross-gradient locations, respectively (Figure 5).

Overburden drilling was completed as described in Section 2.2.3 above. Upon reaching competent bedrock, boreholes were advanced using rotary techniques and coring. HQ rock cores were obtained from six (6) well bores (MW-10, MW-11, MW-12, MW-18, MW-21, and MW-22) to facilitate development of an accurate picture of Site-wide near surface bedrock hydrogeology via three-dimensional representations and profiles. Water for coring was obtained from a nearby fire hydrant under a permit issued by the City of Rochester. Investigation-related permits are included in Appendix E.

Drill cuttings and decontamination water generated during this phase of drilling were discharged to the ground surface. Wells were completed flush to grade and set in concrete curb boxes. Well construction diagrams are provided in Appendix D.

Newly installed monitoring wells and existing wells were developed on September 30 - October 8, 2008 by surging and pumping until turbidity of the discharge was 50 nephelometric turbidity units (NTU) or less. Field instrument measurements made during development were recorded on well development logs (Appendix F). Development water was discharged to the ground surface in the vicinity of the monitoring wells with the permission of the NYSDEC.

### **2.2.5 Groundwater Sampling**

A total of four (4) rounds of Site-wide groundwater sampling were completed during the course of this RI. The baseline groundwater sampling event was performed from October 4-7, 2008 to determine the local groundwater hydraulic gradient, establish baseline groundwater parameters, and to define the horizontal and vertical extent of any groundwater contamination at the Site. Five of the seven wells previously installed during the August 2005 NYSDEC Targeted Site Assessment were also sampled. It is noted that several of the NYSDEC-installed wells were inaccessible at the time of the 2008 groundwater sampling round. Subsequent rounds of groundwater sampling were performed in March 2009, September 2011, and December 2012.

Prior to sampling, the water level at each well was measured with reference to the casing elevation and recorded. Water was purged from each well using low-

flow methods until parameters stabilized. Field parameters including turbidity, pH, conductivity, dissolved oxygen and temperature were measured periodically and recorded on Low-Flow Groundwater Sampling Logs (Appendix F) prior to sample collection. Once these parameters had stabilized a representative water sample was collected. With permission of the NYSDEC, purged water was discharged to the ground surface in the vicinity of the well.

The first two rounds of groundwater samples (2008 and 2009) were analyzed for TCL VOCs + MTBE, TCL SVOCs, TAL Metals, and PCBs. Subsequent groundwater samples (2011 and 2012) were analyzed for TCL VOCs and RCRA Metals only. Once obtained, all samples were immediately labeled and placed on ice in a cooler in preparation for delivery to the contract laboratory. Analytical results from targeted investigation of the Plating Area in 2011 are presented in Section 2.3.2 and in Table 3. Analytical results from Site-wide groundwater sampling events are summarized in Section 4.0 and Table 3-1.

#### **2.2.6 Aquifer Testing**

Hydraulic conductivity testing was conducted at permanent monitoring wells MW-9, MW-10, MW-14, MW-16, MW-20 and MW-22 on March 10, 2009 to assist with hydrogeologic characterization of the Site. This testing method consisted of rising head slug tests and was conducted in accordance with the protocols outlined in the approved Work Plan. Hydraulic conductivity information and data including logarithmic graphs for the slug tests are presented in Appendix G.

Rising head slug tests were used to calculate hydraulic conductivity (K) and groundwater velocities. Hydraulic conductivity (the relative mobility of groundwater through soils) values were obtained using the Bouwer and Rice Method (1976) and AQTESOLV® for Windows Standard 3.5.

Each test was initiated by measuring and recording the static water level in the well. An In-Situ Level Troll 700 pressure transducer was then lowered into the well, positioned near the bottom of the well screen, and secured. A disposable bailer measuring 3 feet long by 1.5 inches in diameter (1 liter capacity) was then inserted into the well and the water level was monitored until it returned to static level. A hand-held "Rugged Reader" that connects to the pressure transducer was used to establish the aquifer test parameters, initiate and terminate the tests and store the resulting data.

Once the well returned to static level the test was initiated via the "Rugged Reader", logging the data transmitted from the Level Troll transducer to determine the hydraulic conductivity of the soils in the immediate vicinity of each well screen. The slug (bailer) was rapidly withdrawn from the well,

evacuating 1 liter of water. As the water level in the well rose back to static level the transducer measured the change in water displacement to the nearest 0.001 of a foot. The rising head data was recorded until the water level returned to approximately 90% of its initial static level.

Groundwater monitoring well elevation data and groundwater level measurements collected on March 10, 2009 were used to calculate groundwater elevations for each well tested. For this RI, the most recent (December 2012) set of elevation data were used to develop a groundwater potentiometric map, included as Figure 7. This data is considered the best representative information for the Site. Results of the aquifer testing and description of the Site hydrogeology is provided in Section 3.5.

### **2.2.7 Surface Soil Sampling**

In order to address potential land use restrictions, surface soil samples were collected from off-Site locations adjacent to the Site. The purpose of the surface soil samples was to supplement the surface soil sample data collected by the NYSDEC on the 354 Whitney Street parcel in 2005.

Surface soil samples were collected on October 14, 2008. Two (2) samples (OW-SS-03 and OW-SS-04) were collected from immediately east of the eastern edge of the Site along Orchard Street; and two (2) background samples were collected off-Site along the Whitney Street right-of-way (OW-SS-01 and OW-SS-02). Sample locations are shown on Figure 5. Grid-based sampling across the Site, as proposed in the approved work plan, was not performed since the entire surface of the Site is covered by concrete, asphalt, building foundations, and demolition debris piles.

The off-Site surface soil samples were collected using a dedicated pre-cleaned, stainless steel spoon to transfer the soil into the appropriate sample containers. The samples were collected from a depth of 0 to 2 inches below the vegetative cover.

The samples were analyzed for the presence of TCL VOCs, SVOC, TAL metals, and PCBs. Surface soil sample results are summarized in Section 4.0 and Table 2.

## **2.3 Area of Concern (AOC) Investigation and IRMs (2011-2012)**

Review of detailed building and site plans yielded valuable information regarding past operations at specific locations and allowed for strategic planning for further investigation at these locations. These targeted investigations were then used to develop and implement IRM plans as the SI progressed. Past industrial activities and

features identified by the preliminary SI work and previous research included the following potential environmental concerns:

- Bulk petroleum storage
- Metal finishing including plating and painting
- Solvent storage and use
- Hydraulic lift systems
- Gasoline dispenser system
- Industrial drainage systems
- Underground tunnels and buried utilities
- Coal-fired boiler plant
- Electrical equipment
- Asbestos
- Lead

Based on knowledge and location of past industrial operations as well as the City's concurrent demolition program, which mitigated the presence of a number of physical and chemical hazards, the SI was developed to characterize the Site with respect to the industrial activities identified above. A list of areas of concern (AOCs) was developed to allow grouping of environmental issues relative to contaminant types and occurrences typically associated with the identified past industrial activities. A total of eight (8) AOCs were originally identified:

- AOC-1:** Underground Storage Tanks (located on the west side of the 415 Orchard Street High-Rise)
- AOC-2:** Former Metal Plating Area (located immediately west of AOC-1)
- AOC-3:** Abandoned Hydraulic Lift (located in the north-central portion of the Whitney Street (open) parcel)
- AOC-4:** Former Gasoline Storage and Dispenser (located in the center of the Whitney Street Parcel)
- AOC-5:** Drain Systems (located beneath former buildings in the Whitney Street parcel)
- AOC-6:** Underground Tunnels and Buried Utilities
- AOC-7:** Former "Low-Rise" (footprint of former single-story building at 415 Orchard)
- AOC-8:** Former Coal Storage (located along southern Site perimeter)

The location of each AOC is indicated on Figure 3. The following sections provide brief descriptions of the findings in each AOC defined above.

Additional investigation and IRMs associated with these AOCs were performed in accordance with the *Remedial Investigation and Interim Remedial Measures Work Plan (April 2011)*. All IRMs were implemented with the prior approval of the NYSDEC and are

documented in the attached *Final Engineering Report* (Appendix H). Additional investigation activities included:

- Detailed evaluation of tunnels and underground utilities;
- Partial excavation of USTs to evaluate subsurface conditions;
- Excavation of twenty-three (23) additional test pits (TP-19 through TP-39 and TP-7A through TP-7E);
- High resolution test boring program within the former plating area;
- Installation and sampling of sixteen (16) mini-wells, including three nested pairs, within former plating area; and
- Installation of three (3) additional monitoring wells (MW-23 through MW-25).

As investigation continued and IRMs were implemented including concurrent demolition efforts by the City, the list of AOCs used for identification of grouped RI and IRM efforts was reduced to include only AOC-1, AOC-2 and AOC-3.

### **2.3.1 AOC-1: UST Investigation**

TREC Environmental, Inc. (TREC) was subcontracted by Lu Engineers, through a competitive bidding process to conduct UST evaluations, removals and disposal of contaminated media in AOC-1. The UST evaluation and removal IRM was completed between April 14, 2011 and June 1, 2011 with oversight provided by Lu Engineers. SI and IRM efforts were conducted concurrently during 2011 to minimize the mobilization and demobilization of equipment to and from the Site. IRM work focused on the closure of a total of nine (9) petroleum USTs located within AOC-1.

Preliminary SI results indicated the presence of several USTs located immediately adjacent to the western wall of the 415 Orchard St. high-rise building (Figure 3). UST investigation activity began on April 14, 2011, when TREC mobilized a 200 series excavator and removed an approximately 1 foot thick reinforced concrete slab situated above the first six USTs. Once all concrete was removed from above the tank farm, a total of nine (9) USTs were observed. The nine (9) tanks were contained within four separate concrete vault structures. It was evident that the tanks contained free product and were generally between  $\frac{3}{4}$  full and full. Liquid contents within each tank were sampled for waste characterization parameters to facilitate proper waste profiling and disposal. The FER (Appendix H) contains a summary of the findings of this sampling and profiling. None of the tanks were found to contain hazardous waste.

Upon completion of the tank evaluation process, tank vaults were temporarily covered by steel plates and secured with concrete and brick demolition debris to prevent vandalism, and to control health and safety hazards associated with the area. The tank farm was then covered by polyethylene sheeting to prevent

water infiltration until tank removals occurred. The following is a summary of the findings pertaining to each UST:

**UST Investigation Summary**

TANK NUMBER	CAPACITY	CONTENTS	TYPE	LOCATION
1	1,600 Gallons	Fuel Oil Mix (full)	Single-Walled Steel	Sand Bedding Within Concrete Vault 1-5
2	1,600 Gallons	Fuel Oil Mix (full)	Single-Walled Steel	Sand Bedding Within Concrete Vault 1-5
3	1,600 Gallons	Fuel Oil Mix (full)	Single-Walled Steel	Sand Bedding Within Concrete Vault 1-5
4	1,600 Gallons	Gasoline (3/4 full with 3-4" Water)	Single-Walled Steel	Sand Bedding Within Concrete Vault 1-5
5	1,600 Gallons	Mineral Spirits (1/2 full, < 1" Product)	Single-Walled Steel	Sand Bedding Within Concrete Vault 1-5
6	700 Gallons +/-	Water (1/3 full, Water Only)	Single-Walled Steel	Sand Bedding Within Concrete Vault 6
7	1,100 Gallons +/-	Mineral Spirits (3/4 full)	Single-Walled Steel	Sand Bedding Within Stone & Mortar Vault 7-8
8	1,100 Gallons +/-	Mineral Spirits (3/4 full)	Single-Walled Steel	Sand Bedding Within Stone & Mortar Vault 7-8
9	10,000 Gallons	#2 Fuel Oil (3/4 full, < 1" Product)	Single-Walled Steel	Sand Bedding Within Concrete Vault 9, Covered by Reinforced Concrete

All USTs and surrounding impacted bedding materials were removed as an IRM in May 2011. Tank removals are described in the *Final Engineering Report* (Appendix H).

**2.3.2 AOC-2: Plating Area Investigation**

The former plating area, AOC-2, is shown on Figure 3. Additional investigation in this area was focused on obtaining detailed data on the nature and extent of soil and groundwater contamination associated with AOC-2 for development of an IRM strategy.

As was the case for AOC-1, the southern portion of the adjacent former metal plating area (plating area) was covered by large amounts of brick building demolition debris. In March 2011, prior to investigation of AOC-2, the crushed demolition debris located south of MW-17 was removed by TREC as directed by Lu Engineers and relocated to the adjacent berm immediately south and west of this area with concurrence of the NYSDEC and the City. This allowed full access to the plating area for the investigative and remedial activities conducted.



Limited delineation to the west, north and east was provided by nearby wells, borings and test pits completed during the initial phase of the RI. Surface features located in the concrete slab covering the majority of AOC-2 and review of past environmental assessment documentation indicated that this location was used for plating metal car parts and related work. Initial soil and groundwater investigation in this area indicated the presence of high concentrations of hexavalent chromium ( $\text{Cr}^{+6}$ ) exceeding guidance values and regulatory criteria by several orders of magnitude.

The elevated chromium concentration in soil at TB -19 (584 mg/kg) and elevated concentration observed in groundwater sampled from MW-17 (32,300 ug/l), indicated the need for further delineation of the chromium levels in soil and groundwater in this area. It was inferred that unidentified, more highly contaminated soils in this area of the Site may have been acting as a source area for the observed groundwater contamination at MW-17. IRM efforts in 2008 and 2009 also indicated the likely presence of residual arsenic-contaminated sediments in this portion of the Site associated with chimney ash from the coal-fired boilers used for power generation and steam in the past.

#### AOC-2 Soil Borings

On July 5, 2011, a detailed investigation of the plating area was initiated. As indicated on Figure 4, a total of eighteen (18) additional soil borings (PA-01 through PA-18) were installed. Soil borings were installed by Nothnagle Drilling, Inc. (Nothnagle) using hollow stem auger methods, as defined in the approved Work Plan and QAPP. The borings were installed with a BK-81 drill rig (equivalent to a CME-75) in a 20-foot grid pattern throughout the plating area, including the adjacent former tank vault areas, in an effort to delineate known  $\text{Cr}^{+6}$ , arsenic and cadmium contamination in subsurface soils.

A four (4) foot macro-core sample barrel lined with an acetate sleeve was used for all continuous subsurface soil sampling in this area. The sampling barrel was advanced with a 140-lb hydraulic auto-hammer and blow counts were recorded for each four foot interval. Borings were advanced to auger refusal or bedrock, which ranged from approximately 16 feet to 36 feet below grade. Nothnagle decontaminated the drilling equipment and tooling using steam-cleaning methods in a decontamination pad between each boring location. Decontamination liquids were containerized and properly disposed of as indicated in the FER (Appendix H). Drilling spoils were staged on the north side of the Site building. The soils were placed on, and covered with, 6 mil polyethylene sheeting and later disposed of off-Site during the soil removal IRM.

### AOC-2 Soil Samples

Each soil sample was logged by a geologist and screened for the presence of volatile organics using a MiniRae 2000 PID. Soils were also screened at one foot increments for the presence of arsenic and chromium by means of a Thermo Scientific NITON XL3t 600 Series analyzer (x-ray fluorescence (XRF) testing). The manufacturer specifications indicated that this meter had detection limits for arsenic and chromium of 11 and 85 ppm (mg/kg), respectively. All data collected during this process was entered into the subsurface logs prepared for each boring location which are included in Appendix D.

Sample locations and depths were determined by the field team leader in concurrence with the City as work progressed. The decision regarding which samples were to be relinquished to the lab was based on screening results of the XRF instrument and field observations. A total of 27 soil samples obtained from discrete depths corresponding to selected XRF test intervals were analyzed for RCRA metals by Paradigm Environmental Services, Inc. (Paradigm), an ELAP-accredited laboratory.

Laboratory analytical results were used to confirm the results obtained with the XRF. Pre-IRM AOC-2 sample results are summarized in Table 1-3 and in Figure 8.1.

### AOC-2 Well Installation

Thirteen (13) of the AOC-2 borings were converted into temporary micro-wells to allow groundwater sampling for more complete source area delineation. Once each boring was advanced to auger refusal, a 1-inch diameter micro-well was installed to provide temporary access to groundwater for sampling and source area delineation. Wells were installed with 0.01-inch slotted screen and #4 quartz sand was used to fill the well boring annulus as the augers were withdrawn. Micro-wells were not installed in borings PA-05 or PA-06 due to lack of sufficient groundwater at depth of refusal. Borings PA-16 through PA-18 were installed outside of the plating area footprint and therefore, not completed as micro-wells. No gross indications of contamination were observed during the installation of these borings. In addition, sufficient data was available relative to conditions adjacent to the Plating Area from other nearby wells.

A nested pair of micro-wells were installed within each borehole at borings PA-08, PA-10 and PA-15. A low-permeability soil horizon was encountered at approximately 9 to 10 feet below grade throughout the footprint of the plating area which consisted primarily of silt. For each nested pair, a shallow well was set with a 2.5 to 5 foot long screen, beginning at approximately 10 feet in depth, on top of this silt layer. The nested deep wells were screened on top of the bedrock surface at depths ranging from 16 to 20 feet below grade.

### AOC-2 Groundwater Sampling

Each micro-well was allowed to stabilize for at least 12 hours prior to development and sampling. On August 15, 2011, following development, the sixteen (16) plating area micro-wells plus MW-16 and MW-17 were sampled by low-flow methods in accordance with the IRM Work Plan. All samples were analyzed by Paradigm for RCRA metals only. Water quality parameters such as temperature, pH, conductivity and turbidity were recorded on Low-Flow Groundwater Sample Logs (Appendix F).

Groundwater analytical data is presented in Tables 3 and 3-1.

### Chimney Base

Features associated with AOC-2 included remnants of the concrete base of the former chimney that was razed as part of the 354 Whitney Street demolition process in 2008. This chimney was part of the coal-fired boiler plant, which generated steam and electricity while industrial operations were occurring at the Site. The chimney base is located immediately adjacent to the northwest corner of the plating area as indicated on Figures 3, 4 and 5. The base measures 12 feet in outside diameter and extends down to its concrete floor 12 feet below the ground surface. It appears that the poured concrete floor and footer of this feature rests on the bedrock surface 16.5 feet below ground.

At the time of investigation, the chimney base was approximately  $\frac{3}{4}$  full of building demolition debris including: wood; brick; concrete; non-hazardous storm water; and coal ash. Ash contained in the aboveground portion of the chimney was disposed of in 2008 as part of the demolition of 354 Whitney Street. Representative samples of the solid and water contents within the structure were collected for proper characterization and disposal purposes. Two (2) ash samples obtained as part of the detailed investigation of AOC-2 were analyzed for TCLP Metals and pH and found to be non-hazardous. The FER (Appendix H) describes the initial removal of ash materials contained in the chimney immediately following demolition in 2008 as well as remediation and backfilling of the chimney base in 2012.

### Development of the AOC 2 IRM Model

Locations and elevations of the plating area micro-wells were established using traditional survey methods. Sample depths were logged and entered into the Site GIS geodatabase to facilitate data access and visualization (i.e., reporting and mapping). Graphical representations of contaminant occurrence were prepared to delineate soil removal areas. The mapping provided an indication of the depth of elevated metals concentrations exceeding applicable criteria, and was used as

a basis for determining more precise estimates as to volumes and quantities of environmental media to be addressed as an IRM. Figure 8.1 shows sample locations and analytical results for the detailed investigation of the Plating Area. Figure 8.2 includes a representative example of the modeling that was completed as part of this element of the RI.

The development of the selected IRM alternative for AOC-2 (excavation and disposal with in-situ aqueous  $\text{Cr}^{+6}$  reduction to  $\text{Cr}^{+3}$ ) and its implementation is presented in the FER included as Appendix G.

### **2.3.3 AOC-3: Abandoned Hydraulic Lift**

An abandoned hydraulic lift was identified, as AOC-3, in the north/central portion of the Site (Figure 3). The underground hydraulic lift and oil reservoir were removed as an IRM by TREC on July 2, 2011 during the UST removal work. OPTECH Environmental, Inc. (OPTECH) removed approximately 3 tons of petroleum-impacted soil from the former lift pit, at a depth of 9 to 11 feet, on April 4, 2012. AOC-3 removal activities are described in the FER located in Appendix H of the digital copy of this report.

Petroleum impacts were determined to be limited to soil immediately surrounding the former lift/reservoir. No additional investigation of AOC-3 was necessary.

### **2.3.4 AOC-4: Former Gasoline Storage and Dispenser**

Soil and groundwater analytical results in this area did not indicate the presence of elevated concentrations of contaminants of concern. However, elevated PID readings (>1,000 ppm) and petroleum odors were noted at TP-07 in the northern portion of the 354 Whitney Street parcel, warranting designation as AOC-4 (Figure 5). Previous environmental assessment work identified a gasoline dispenser pump in this area. It is inferred that these features may have been removed during demolition of the structures formerly located on the western portions of the 354 Whitney parcel.

Review of geophysical investigation findings conducted by Geomatrix, Inc. in 2005 did not confirm the presence of the previously noted 5,000-gallon UST or associated gasoline dispenser/piping suspected to be located in this area of the Site.

Additional test pit excavations (TP-7A through TP-7E) were completed in this area in March 2011 by TREC. Excavation depths varied from 1 to 20 feet (ft) below ground surface (bgs) depending on location, intent, soil characteristics, and depth to bedrock. Excavated material was returned to the appropriate test

pit after field screening and sampling was completed. The location of each test pit is indicated on Figure 5.

**AOC-4 Test Pits**

Test Pit	Depth of Sample Collected	PID Reading
TP-7A	No sample collected	52 ppm (3-8' bgs)
TP-7B	No sample collected	280 ppm (3.5-8' bgs)
TP-7C	No sample collected	0 ppm
TP-7D	No sample collected	30 ppm (3-4' bgs)
TP-7E	No sample collected	2.3 ppm (7-8' bgs)
TP-7F	No sample collected	54 ppm (7-8' bgs)

Soil and groundwater conditions within the area of AOC-4 were found to be consistent with background levels of VOCs, SVOCs and metals elsewhere on the Site and no additional IRMs were proposed. Samples from TP-7 A through F were not submitted for laboratory analysis based on previous analytical results obtained from TP-07. Prior sampling at TP-07 indicated no VOC contaminant exceedances, but 400 ppm during PID screening. The lower PID screening levels at TP-7A through F did not suggest the likelihood that elevated VOC analytical results would be observed.

**2.3.5 AOC-5: Drain System Evaluation**

Floor drains beneath the former buildings located within the Whitney Street parcel were observed during the 2008 test pit excavations. Two of the drains included clay sumps that were intact prior to excavation at TP-01 and TP-05. The clay sumps at TP-01 and TP-05 were found to contain sludge and sediment contaminated with non-hazardous waste concentrations of non-chlorinated organic solvents. Release of this contamination to the environment was not indicated. Lu Engineers removed and properly disposed of one drum of non-hazardous, solvent-contaminated sludge as an IRM during this process.

A sample was collected ("Pipe Contents TP-29") from sludge inside a cast iron pipe encountered at 1 ft. below grade in TP-29 on the western edge of the Site (see Figure 5). The contents of a clay sewer pipe were also screened and sampled at TP-35 in the former "low-rise" footprint ("Pipe Contents TP-35", Figure 5). Samples collected from soils surrounding the drainage features at TP-01, TP-05, TP-29, and TP-35 did not exhibit evidence of contamination (see Tables 1-1 and 1-2).

These findings warranted no additional investigation since impacts to soil and groundwater were not indicated. Impacts appeared to be limited to the interior of the subject piping. Little information was obtained regarding the overall layout of sewer piping or related features during this process. Additional

information regarding efforts to characterize and map the drainage features at the Site is presented in Section 2.3.6 and 2.3.7.

### **2.3.6 AOC-6: Underground Tunnels and Buried Utility Evaluation**

Throughout the SI, various efforts were made to identify the location and potential significance of the various underground utilities and tunnel locations on and adjacent to the Site. These efforts have included the following:

- Detailed review of available record mapping
- Targeted installation of test pits during RI work in 2008 and 2011
- Internal inspection of the large east/west tunnel (a.k.a., Main Tunnel) bisecting the western portion of the Site in 2011 (concurrent with the UST IRM)
- Inspection of the tunnel leading from Turner Bellows, Incorporated connecting underground to the southwestern Site perimeter
- Mobilization of Jamko, Incorporated to the Site in 2011 to access sewer and televise/map the system to the extent possible
- Ground penetrating radar scanning of building slabs in various locations in 2011.
- Boroscopic inspection of the Main Tunnel in the center of the 354 Whitney parcel
- Mapping of various sewer and utility access points throughout the property
- Thermal imaging photography in completed in 2013

Photographs of selected portions of the inspection process are included in Appendix I.

As part of this effort, a subcontracted utility scanning company, Jamko, Incorporated, was contracted by Lu Engineers to attempt to televise accessible portions of the remaining drainage features and tunnels.

With the exception of the Main Tunnel, little information was gained by this process due to the limited access to smaller diameter utilities as a result of damage apparently sustained during the multiple demolition efforts on the property since 2005. Unknown conditions within and around the Main Tunnel and smaller tunnels branching off to the north and south were identified as a data gap after completion of the 2008 SI.

The Main Tunnel was also physically entered to determine whether hazardous materials were present and to verify that its steel reinforced concrete roof could bear the load of trucks and other equipment to be mobilized for remediation of the adjacent AOC-2. A confined space entry plan was developed and air

monitoring was conducted continuously during the tunnel inspection. Lu Engineers determined that the roof of the tunnel was capable of bearing the weight of all proposed activities above. Inspection of the tunnel also revealed the presence of friable asbestos pipe covering on abandoned utility lines and approximately 5 feet of standing water. Previous sampling for TCL VOCs and SVOCs, PCBs and TAL Metals by NYSDEC in 2005, and additional assessment in 2006 by Lu Engineers, determined the water to contain low levels of target analytes.

The tunnel floor and walls are concrete and the tunnel is approximately 12 feet deep. Other branches of the tunnel system could not be accessed within the Site and are assumed to be associated with utilities which would have served manufacturing operations in the past. A portion of a closed tunnel was accessed from a commercial property (Turner Bellows, Inc.) to the west of the Site. However this tunnel terminates at the Site’s western perimeter and no additional information regarding the tunnel conditions was obtained.

**2.3.7 AOC-7: Former “Low-Rise” Sub-Slab Investigation**

Asbestos abatement and demolition of the 415 Orchard Street “Low Rise” in late 2009 allowed access to the building’s former footprint for sub-slab investigation.

On March 17, 2011 additional test pits were excavated by TREC as part of the evaluation of subsurface conditions in the area of the Orchard Street “Low Rise”. A total of eight (8) test pits were excavated beneath the concrete slab, as listed in the following table.

**AOC-7 Test Pits**

Test Pit	Depth of Sample Collected	PID Reading
TP-30	11.5 ft bgs	0 ppm
TP-31	9 ft bgs	30 ppm
TP-32	0-6 ft bgs and 10-11 ft bgs	0 ppm
TP-33	9.5-10.5 ft bgs	0 ppm
TP-34	No sample collected	0 ppm
TP-35	6 ft bgs and 10-11 ft bgs	0 ppm
TP-36	No sample collected	0 ppm
TP-37	10-10.5- ft bgs	0 ppm

Test pit soil samples were submitted for analysis of TCL VOCs, SVOCs, RCRA Metals, and PCBs. Analytical results are summarized in Section 4.0 and in the attached Tables 1-1 and 1-2.

To evaluate groundwater conditions in the AOC-7 portion of the Site, an additional monitoring well (MW-23) was installed in the center of the former low-rise area (Figure 5).

Soil and groundwater conditions within the 415 Orchard “Low Rise” footprint were found to be consistent with background levels of VOCs, SVOCs and metals elsewhere on the Site and no additional IRMs were proposed.

**2.3.8 AOC-8: Former Coal Storage**

The southern perimeter of the Site is defined by a railroad alignment reportedly used to supply equipment and materials to former Site manufacturing operations. This past activity has been confirmed by review of past investigations and historical aerial photographs.

Coal was used as a fuel for the boiler system that was the Site power plant. Coal was offloaded from rail cars and stored in “coal pockets” reportedly located along the southern Site perimeter, defined as AOC-8 (see Figure 3). Portions of the eastern extent of this area were partially evaluated (SB-07) in the 2008 SI work. However, the extent and environmental condition of the former coal storage area (AOC-8) was not fully assessed at that time. It is noted that construction/demolition (C/D) debris consisting primarily of brick and masonry is stored throughout the central and western portion of AOC-8.

A total of ten (10) additional test pits were installed to determine the vertical extent of the berm material staged on the southern perimeter of the Site and to determine whether residual coal, ash or other materials were present beneath the berm. The following table includes the general results of the test pit installations in this area of the Site.

**AOC-8 Test Pits**

Test Pit	Depth of Sample Collected	PID Reading
TP-19	12-15 ft bgs	0 ppm
TP-20	No sample collected	0 ppm
TP-21	10-12 ft bgs	0 ppm
TP-22	10 ft bgs	0 ppm
TP-23	No sample collected	0 ppm
TP-24	13.5-14.5 ft bgs	0 ppm
TP-25	8 ft bgs and 18-20 ft bgs	0 ppm
TP-26	14-15 ft bgs	5-6 ppm
TP-27	No sample collected	0 ppm
TP-28	8 ft bgs	0 ppm

Test pit soil samples were submitted for analysis of TCL VOCs, SVOCs, RCRA Metals, and PCBs. Analytical results are summarized in Section 4.0 and in the attached Tables 1-1 and 1-2.

In July 2011, MW-24 and MW-25 were installed on the top of the berm on the southern portion of the Site (Figure 5). Soil borings SB-26A and SB-26B were also



installed on top of the berm, between MW-24 and MW-25. MW-24 and MW-25 were completed with stick-up style protective casings. Well/soil boring logs and well construction details are provided in Appendix D.

### **2.3.9 Additional Groundwater Sampling**

A complete round of sampling was conducted in September 2011 prior to the AOC-1, AOC-2, and AOC-3 IRMs. A final round of sampling was conducted in December 2012, after completion of the IRMs. The results of all groundwater sampling events are summarized in Tables 3 and 3-1 and described in detail in Section 4.2. Groundwater sampling logs are provided in Appendix F.

## **2.4 Site Survey**

A Lu Engineers' NYS Licensed Surveyor conducted a Site survey to identify property boundaries, existing site features, structures, and monitoring wells. This information was used to create a base map of the Site using the NAD 83 UTM Zone 18 (NYTM) coordinate system to present these features and the locations of sample points.

The Site survey, completed on October 8, 2008 subsequent to the Whitney Street parcel structure demolition and installation of the groundwater monitoring wells, included the locations and elevations of installed groundwater monitoring wells, and all property boundaries, topographic features, landmarks and known utility corridors and tunnels. All other data collection points, including test pits, and surface sample locations were located using a hand held Global Positioning System (GPS) unit and plotted on the survey map using NAD 1983 State Plane New York West coordinates.

Monitoring well locations were surveyed and the top of casing determined to 0.010 foot accuracy to mean sea level by Lu Engineers' survey department. Groundwater depths, laboratory analytical data, Site survey data and GPS data was used to prepare groundwater flow models, depth to groundwater and local hydraulic gradient diagrams as well as to prepare contaminant concentration plume maps.

As the RI and IRM continued, new wells, sample points and other features were re-surveyed to allow mapping using GPS and other methods. In 2013, all environmental mapping for this project was converted to a GIS to facilitate access to all project data and locational information. The mapping included herein was produced using ERSI ArcGIS 2013.

With the City's planned subdivision of the property occupied by the 415 Orchard "High Rise" from the surrounding parcels, Lu Engineers re-surveyed the Site and assisted the City with the subdivision process. Underberg & Kessler, LLP were contracted through Lu Engineers to assist with this process. The latest update to the "Re-Subdivision Map"

containing the features required by the NYSDEC under DER-10 was completed on June 26, 2013 and is included as Appendix A.

## **2.5 Field Activity Documentation**

Field activities conducted by Lu Engineers were documented in Site-specific logbooks, included in Appendix J. Photographic documentation of project field activities is provided on a photo log in Appendix I. Soil boring logs were completed or reviewed by a qualified Lu Engineers geologist for each well boring and bedrock well and are included in Appendix D. Monitoring well construction is depicted on details, also included in Appendix D.

All data obtained during well development and sampling is provided on log sheets in Appendix F.

Health and safety monitoring of the work area was conducted throughout the duration of intrusive activities and demolition by Lu Engineers to assure the safety of on-Site workers. Air monitoring of the work areas was conducted using a PID equipped with a 10.2 eV lamp. PID readings are included in the field notes (Appendix J).

### **2.5.1 Community Air Monitoring**

Community air monitoring for VOCs and particulates was conducted at the upwind and downwind locations at the work area and site perimeters during all ground intrusive activities since the 2008 demolition of 354 Whitney Street. VOCs and particulates were detected at levels below established actions levels set forth in the CAMP and therefore vapor and dust suppression was not required during the soil removal IRM. All electronically logged air monitoring data is presented in the electronic version of this report, as Appendix K.

### **2.5.2 Quality Assurance/Quality Control**

Lu Engineers' Project Manager/Quality Assurance Officer for this project was Gregory L. Andrus. Eric Detweiler was the Field Team Leader for the project.

Samples collected by Lu Engineers were obtained, handled and characterized in accordance with NYSDEC ASP methods. Samples were immediately labeled and placed on ice, if necessary, in coolers for shipment to the laboratory. A portion of the waste characterization samples were relinquished to Test America Laboratory, an accredited and appropriately certified (NYSDEC ELAP CLP) analytical laboratory. Chain of custody requirements were strictly adhered to for designated analyses. After the initial RI efforts in 2008 and 2009, Paradigm Environmental Services, Inc. (NYSDOH ELAP # 10958) was used for all laboratory analytical work on this project. Laboratory analytical reports are included in the electronic version of this report, as Appendix L.

The NYSDEC Division of Environmental Remediation *Guidance for the Development of Quality Assurance Plans and Data Usability Summary Reports (DUSR)* was followed. DUSRs were prepared by Ms. Nancy Potak, an appropriately qualified data validator, and are included in the electronic version of this report as Appendix M. One matrix spike/matrix spike duplicate (MS/MSD) sample was collected for the sediment/surface soil samples, as well as for each round of groundwater samples. One trip blank was relinquished to the contract laboratory for the designated analyses; therefore, a total of 77 soil samples and 99 groundwater samples were obtained and analyzed during Lu Engineers' portion of the investigation.

Category B deliverables were provided for all analytical reporting with exception of waste characterization samples. Category B deliverables were used to provide a means of evaluating the usability of the analytical data. This data package also includes instrument calibration and related data required to verify reported results.

### **3.0 Physical Characteristics of the Study Area**

This section provides information on subsurface conditions and physical characteristics of the Site.

#### **3.1 Surface Features**

The Orchard Whitney Site is a 3.9-acre parcel formerly occupied by three structures (354 Whitney Street, 415 Orchard Street “Low-Rise”, and 415 Orchard Street “High Rise”). Two structures (354 Whitney Street and 415 Orchard Street “Low Rise”) were demolished as IRMs during this investigation. Where building slabs or pavement are no longer present, the Site is covered with sand/gravel fill (see Figure 6).

The topography is gently sloping from the southwest to the northeast. The topographic relief of the Site is 525 ft above mean sea level. The Site is relatively flat with the exception of the property to the immediate south being a raised railroad bed, approximately 5-8 ft above ground surface. Other features of note are the former Erie Canal and the Genesee River Gorge located approximately 4,400 ft to the east.

#### **3.2 Surface Water Hydrology**

Surface water runoff at the Site is collected in the combined Monroe County Sewer System. There are no surface water bodies within ½- mile radius of the Site. There are no public/private drinking water supply wells within ½- mile of the Site.

Utilities run the length of Orchard and Whitney Streets; both of these include municipal sanitary and water utilities. Electric service is aboveground along Orchard and Whitney Streets.

Floor drains presumably discharge to the municipal sewer system, located along Orchard and Whitney Streets.

Runoff from paved areas flow to private stormwater catch basins located in the eastern central portion of the Whitney Street Parcel as well as the northeastern and northwestern portions. Two municipal stormwater catch basins are located along Orchard Street and one municipal catch basin is located along Whitney Street.

#### **3.3 Geology**

According to the New York State Museum Map of New York, Finger Lakes Sheet, native soils beneath the Site consist mainly of lacustrine sands and silts; soils are underlain by Upper Silurian dolostones of the Lockport Group. During the SI, bedrock depths were found to vary from a minimum depth of approximately 7 feet to a maximum depth of greater than 38 feet below grade. A bedrock surface map is included as Figure 9.

Rock cores obtained during the project generally characterized the bedrock as hard, slightly weathered, massively bedded dolostone with few water-bearing fractures. Rock quality designations obtained from cores were generally found to be between 50 and 75%. Based on the characteristics of the bedrock at the Site, it is concluded that groundwater flow is through the saturated overburden and the bedrock/overburden interface.

During the intrusive work completed as part of this SI, very little weathered bedrock was observed, but the majority of bedrock fractures appeared to be within 2 to 3 feet of the bedrock surface. Higher permeability overburden was also observed in direct contact with the bedrock surface. The bedrock/overburden interface appears to represent a zone of higher permeability with the potential to increase contaminant mobility.

### **3.4 Soils**

According to the United States Department of Agriculture National Resource Conservation Service Soil Map of Monroe County, soil types mapped for the Site consist of Urban Land. Urban Land consist of areas that have been so altered or obscured by urban works and structures that identification of the soils is not feasible. This soil type is typical of highly developed areas of the City of Rochester.

Based on soil classifications of the test pits and soil borings completed by Lu Engineers at the Site, observed soil conditions consist mainly of silt and sand underlain by widely varying thicknesses of glacial till and/or coarser grained materials resting on the bedrock surface. However, sample recovery of materials in direct contact with the bedrock surface was generally poor. Large amounts of fill materials including brick, ash, concrete and crushed stone are also present throughout the Site in widely ranging thicknesses. Soil boring logs are included in Appendix D.

A review of soil stratigraphy was completed as part of the SI using subsurface data obtained during drilling and test pit excavations. The purpose of this review analysis was to develop a conceptual depiction of subsurface geologic and hydrogeologic conditions to allow a more complete understanding of contaminant occurrence, fate and transport. As part of this process, geologic cross sections were completed to illustrate generalized subsurface conditions. Cross Section A-A' indicates subsurface conditions from southwest to northeast (MW-09 to MW-08). Cross Section B-B' depicts subsurface conditions from northwest to southeast (MW-03 to MW-25). The soil cross sections are depicted on Figures 10.1 and 10.2.

### **3.5 Hydrogeology**

This section describes the groundwater flow patterns and hydraulic conductivity data for the Site. The description generated is based on groundwater elevation data obtained

during the SI and hydraulic conductivity data from slug tests completed in MW-9, MW-10, MW-11, MW-20 and MW-22 by Lu Engineers in March 2009.

Overburden groundwater flow patterns at the Site were generated using groundwater level measurements from the on-Site wells. Figure 7 is the groundwater contour map generated using measurements collected in December 2012. Groundwater flow direction is oriented perpendicular to the projected groundwater contour lines and trends down-gradient. Groundwater elevations are highest on the southwestern portion of the property and lowest along the northeastern portion, resulting in a general northeastward groundwater flow direction. Groundwater elevations decrease by up to 9 ft north-eastward across the Site. This is consistent with findings of the September 2005 EPA Targeted Site Assessment Project, and local topography (i.e., Barge Canal and Genesee River Gorge northeast of the Site).

Rising head slug tests were used to calculate hydraulic conductivity and groundwater velocities. The presence of unsaturated screened intervals in each site well precluded the use of falling head slug tests. Hydraulic conductivity (the relative mobility of groundwater through soils) data was obtained using the Bouwer and Rice Method (1976). Through the analysis of each rising head slug test, an average hydraulic conductivity for the Site was determined to be approximately  $1.47 \times 10^{-5}$  ft/sec (see Appendix G).

Groundwater velocity, the rate at which a groundwater aquifer flows through soil and/or bedrock, was calculated across two areas of the Site. The first groundwater velocity determination was calculated between MW-9 and MW-19, using the average K value for the site ( $1.47 \times 10^{-5}$ ). The slope across this portion of the site is gradual, with approximately seven (7) vertical feet for both the ground and groundwater surface over a horizontal distance of approximately 485 feet (1.5% +/-). The velocity on this portion of the Site was calculated to be approximately  $8.82 \times 10^{-7}$  ft/sec (0.076 ft/day).

The second groundwater velocity determination was made between wells MW-9 and MW-22, both of which were slug tested. The slope in this area is relatively gradual with relief of approximately 10 vertical ft over a horizontal distance of approximately 538 ft (5% +/-). The velocity on this portion of the Site was calculated to be approximately  $1.46 \times 10^{-6}$  ft/sec (0.126 ft/day) and is considered a maximum velocity for the Site.

Hydraulic conductivity and groundwater level data collected during the SI have indicated the following:

- Overburden material underlying the Site consists of a combination of sand, silt, and gravel (fill material) overlying a glacial till (silt, sand and gravel).
- Bedrock at the Site is located at an average depth of 14 ft bgs.
- Hydraulic conductivity measurements for on-Site wells (MW-9, MW-10, MW-14, MW-20 & MW-22) averaged  $1.47 \times 10^{-5}$  ft/min.

- The approximate maximum groundwater flow velocity has been calculated to be  $1.46 \times 10^{-6}$  ft/sec (0.126 ft/day).
- Depth to groundwater in the uppermost water bearing zone ranged between 5.5 and 10 ft bgs site-wide during the most recent sampling event in December 2012 (maximum of approximately 22 ft bgs at MW-25 on raised berm).
- Overall groundwater flow in the uppermost water bearing zone at the Site is generally from the southwest to the northeast.

Slug test data, hydraulic conductivity calculations, and groundwater velocity calculations are provided in Appendix G.

### **3.6 Demography, Land Use, and Water Use**

The area surrounding the Site is mainly residential and commercial; some light industrial is also present, as well as a railroad bed to the immediate south. Edgerton Park is located to the north of the Site, and Sahlen Stadium is located to the southeast.

Facilities serving children in the vicinity of the Site include: Rochester City Schools Elementary Level #5, 17, 30, 57, and Jefferson Secondary School. Facilities also serving the needs of elderly persons include: Jefferson High School and Edgerton Community Center.

### **3.7 Ecology**

Little to no vegetation is present on the Site due to the presence of cover materials including: concrete, asphalt, former building foundations, and demolition debris. No significant wildlife habitat exists on the site, except for the potential nesting and resting sites on building roofs and wires. Some nesting habitat and cover for avian species may be provided by vegetation on Site. No endangered species were identified at the Site. The Fish and Wildlife Resources Impact Analysis Decision Key was completed for the Site as part of DER-10. Based on the findings of our investigation, it was determined that there is no off-site contamination emanating from the property and a Fish and Wildlife Resources Impact Analysis is not needed.

The Fish and Wildlife Resources Impact Analysis Decision Key is included in Appendix N.

## 4.0 Nature and Extent of Contamination

In this section, laboratory analytical results are compared to the appropriate published SCGs values as indicated below. Analytical results are summarized in Tables 1, 2 and 3. Soil and groundwater data presented and discussed in this section represent the most current data available relative to the Site. Descriptions of the detailed investigation findings associated with the IRMs conducted relative to AOCs-1, 2 and 3 are also included for reference, but clearly differentiated from the discussions relating to current conditions. Additional discussion relative to the nature and extent of contamination is provided in Section 5, Contaminant Fate and Transport.

The location of the wells and test pits installed as part of the Site-wide evaluations of soil and groundwater conditions (and surface soils off-Site) were selected to represent an unbiased view of the surface and subsurface conditions present. Detailed investigations conducted with respect to AOCs-1, 2 and 3 were intended to be biased toward representing worst-case conditions within each target area as indicated by previous investigations or the Site-wide findings as the SI was in progress. All sample and test locations were approved by the City and/or the NYSDEC.

Exceedances of applicable groundwater standards are indicated on Figure 7. Figures 11.1 and 11.2 indicate exceedances in surface and subsurface soils. Data discussed in Section 4 references the sample numbering scheme used in the data tabulations provided in Table 1 through 4. Data collected during the detailed investigations of AOCs 1, 2 and 3 are included in the FER, which is provided as Appendix H. IRM related efforts and confirmatory sampling results are also summarized in this section of the SI.

### 4.1 Soil Samples

Analytical results are compared to the NYSDEC Soil Cleanup Objectives (SCOs) in 6 NYCRR Part 375-6.8(a) and (b) (effective December 14, 2006). Restricted Commercial Use is most applicable to future use of the Site, based on surrounding land uses and zoning districts. Commercial Use, as defined by the regulation at 6NYCRR Part 375-1.8 (g)(iii), is "...the land use category which shall only be considered for the primary purpose of buying, selling or trading of merchandise or services. Commercial use includes passive recreational uses, which are public uses with limited potential for soil contact".

The location of each surface and subsurface soil sample obtained during this investigation relative to current Site conditions is indicated on Figure 5.



#### 4.1.1 Subsurface Soil Regulatory Exceedances

A total of 73 subsurface soil samples were obtained and analyzed during the course of this RI. Twenty-six (26) samples were obtained during detailed investigations of portions of the Site being addressed by IRMs (AOC-01 and AOC-02, in particular). For purposes of this discussion, samples obtained during the detailed investigations followed by IRMs are omitted here as the associated analytical is not representative of current Site conditions. Additional information relative to the detailed investigations associated with IRMs are presented in the FER.

Unless otherwise noted, all subsurface soil samples were obtained from the vadose zone at depths varying from 6 to 8 feet below grade in each location. The following subsections indicate the subsurface soil samples representative of current Site conditions with exceedances of applicable soil use criteria.

##### Volatile Organics

There are no exceedances of Commercial Use Criteria with respect to VOCs in subsurface soils at the Site.

##### Semi-volatile Organics

Commercial Use Criteria were exceeded for the following SVOCs:

- Benzo(a)anthracene at OW-S-TP-18, OW-TP-19/25, and OW-Berm-1
- Benzo(a)pyrene at OW-S-SB-07, OW-S-TP-18, OW-TP-19/25, OW-TP-35 (Pipe Contents) and OW-Berm-1
- Benzo(b)fluoranthene at OW-S-TP-18, OW-TP-19/25, OW-TP-35 (Pipe Contents) and OW-Berm-1
- Dibenzo(a,h)anthracene at OW-S-TP-18, OW-TP-19/25 and OW-Berm-1
- Indeno(1,2,3-cd)pyrene at OW-S-TP-18

The location of TPs - 18, 19 and 25 and "Berm-01" within the southern portion of the berm indicates that the construction/demolition debris in these locations exceeds Commercial Use Criteria, but does not suggest that native soils beneath the berm material have been impacted. The fact that these sample locations represent all of the berm materials submitted for laboratory analysis from the southern area of the berm suggests that these exceedances may be widespread within the berm material pile at the southern perimeter of the Site. However, TP-28 and 29, obtained from the western berm pile located along Whitney Street did not yield elevated analytical results for SVOCs.

The elevated levels of SVOCs observed in sample TP-35 -Pipe Contents contrasts with the lack of SVOCs in the sample taken from the underlying soils (OW-TP-35/37) and suggests that the small amount of material contained with the piping

observed in this location has not resulted in a release of SVOCs to surrounding soils.

### Metals

Exceedances of Commercial Reuse Criteria were identified in subsurface soils including the following:

- Arsenic at OW-PA-SWC-4 and OW-PA-FC2/2B
- Barium at OW-TP-32, OW-TP-35 Pipe Contents, OW-TP-38 and TP-38 (OW-Berm-1)
- Cadmium at OW-TP-35 Pipe Contents, OW-PA-FC2/2B, OW-PA-SWC-4, OS-PA-SWC-6 and OW-PA-SWC-5
- Chromium at OW-S-SB-19, OW-PA-SWC-7 and OW-PA-SWC-7B

The occurrence of arsenic, cadmium and chromium within the former plating area is known to be related to the former industrial operations in this portion of the Site. Although the IRM completed in this area addressed the presence of hazardous waste level exceedances, residual contaminant levels remain above the Commercial Use Criteria throughout this portion of the Site. It is noted that AOC-2 is largely hydraulically isolated from the surrounding area by the presence of subsurface concrete walls extending through the saturated zone.

It is also noted that chromium concentrations found in surface soils throughout the Site exceed both the Protection of Groundwater and Residential standards defined in 6NYCRR part 375. The source of this Site-wide level of elevated level of chromium is not known, but is also found at both up (SB-05, MW-09, MW-10) and down (MW-08) gradient locations relative to the Site. These findings represent typical concentrations found in urban soils observed elsewhere within the City of Rochester.

As detailed in the FER (Appendix H), soils within the former plating area were almost entirely removed and replaced with clean fill to an average depth of 10 feet below grade. The presence of residual RCRA metals-contaminated soils in this area of the Site at depth represents a substantial improvement over Site conditions prior to implementation of the AOC-2 IRM, which included removal of the contaminant source area. This IRM, in conjunction with imposing institutional and/or engineering controls, may mitigate the need for any further remedial action in the future. The occurrence of elevated levels of RCRA metals elsewhere do not appear to be associated with a source area or an identifiable contaminant release.

The presence of elevated levels of Barium at OW-TP-32, OW-TP-35-Pipe Contents, OW-TP-38 and TP-38 (OW-Berm-1) may be related to the past painting and various other industrial operations that took place on the Site throughout its

long history. No point source of barium contamination has been identified and the random occurrence of this metal does not suggest one.

#### Pre-IRM Metals Contaminant Concentrations in AOC-2 Source Area

Soil samples collected during the detailed investigation of AOC-02 were analyzed for RCRA metals by EPA Method SW 846: 3050/6010, 7471 and revealed concentrations of the metals arsenic, cadmium and Cr<sup>+6</sup> at concentrations exceeding NYSDEC 6 NYCRR Part 375 Commercial and Industrial Soil Cleanup Objectives (SCOs).

Chromium concentrations were found to be elevated throughout this portion of the Site. Analytical results of each sample collected indicated that all samples exceeded Unrestricted Use SCOs. Boring samples PA-10 (7-8') and PA-14 (10.5-12') revealed the highest chromium concentrations and were the only samples to exceed Commercial Use SCOs. Only one sample, PA-09 (4-6') exceeded applicable SCOs for arsenic.

Three (3) samples exceeded applicable SCOs for cadmium. Samples from borings PA-12 and PA-16 exceeded the Commercial SCO at concentrations of 12.3 mg/kg and 23.8 mg/kg, respectively. The PA-12 sample was collected from 0.5-2.0 feet below the former concrete plating area slab where discolored soils were observed. The PA-16 sample was collected from a depth of 10.5-12 feet below grade, immediately below the UST 1-5 vault floor. Boring sample PA-08 was collected from a depth of 8.5-9.5 feet below grade and exceeded the Industrial SCO for cadmium at a concentration of 60.3 mg/kg.

It is noted that the data obtained during the detailed investigation of AOC-02 does not represent current Site conditions since the IRM removed the majority of this material for proper disposal off-Site.

#### PCBs

No exceedances of Commercial Use Criteria have been identified with respect to PCBs.

#### **4.1.2 Background Surface Soil Regulatory Exceedances**

No surface soils were accessible for sampling on-Site since the entire surface is covered by concrete, asphalt, building foundations, and/or demolition debris piles (see Figure 6). Four (4) surface soil samples were obtained from off-Site locations as indicated on Figure 5. Regulatory exceedances found in surface soils are identified below and indicated on Table 2.

### Semi-Volatile Organics

The following exceedances of Commercial Reuse Criteria were identified in off-Site surface soils relative to SVOCs:

- Benzo(a)anthracene at OW-S-SS-04
- Benzo(a)pyrene at OW-S-SS-01, OW-S-SS-02, OW-S-SS-03, and OW-S-SS-04
- Benzo(b)fluoranthene at OW-S-SS-04
- Dibenzo(a,h)anthracene at OW-S-SS-03

These contaminants are common in urban environments and no source area is suggested by the presence of SVOCs adjacent to the Site.

### Metals

The following exceedances of Commercial Reuse Criteria were identified in off-Site surface soils relative to metals:

- Barium at OW-S-SS-03
- Cadmium at OW-S-SS-04

As is the case with the detected SVOCs, elevated levels of barium and cadmium are common in urban environments and no source area is suggested by the presence of SVOCs adjacent to the Site.

### PCBs

No exceedances of Commercial Reuse Criteria were identified with respect to PCBs in off-Site surface soils

## **4.2 Groundwater Samples**

Analytical results are compared to the NYS Class GA Groundwater Quality Standards from 6 NYCRR Parts 700-705 (NYS, 1999b), as well as to guidance values in the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 (NYSDEC, 1998).

### **4.2.1 Groundwater Regulatory Exceedances**

The following is a synopsis of the current groundwater conditions at the Site based on the latest groundwater sampling event that was conducted in December 2012. These data are used as the most representative since prior sampling events were followed by IRMs that influenced the nature and extent of contamination on the Site. This most recent event does not include analysis for SVOCs and PCBs. Analysis for SVOCs and PCBs was discontinued as approved by NYSDEC due to the lack of exceedances observed in the initial groundwater sampling events. Previous Site-wide groundwater sampling events were completed in October 2008, March 2009 and September 2011.

Table 3-1 includes all Site-wide groundwater analytical data obtained during the course of this project. Sample locations and current regulatory exceedances are indicated on Figure 7.

#### Volatile Organics

The following VOCs were found to exceed applicable criteria as indicated:

- 2-Butanone at PA-14
- 1-4-Dioxane at PA-15D
- Acetone at PA-14
- Benzene at PA-14, PA-15D and PA-15S
- Chloroform at MW-21 and PA-03
- Toluene exceeds at PA-14
- Trichloroethene at MW-17 and PA-15S
- Vinyl Chloride at MW-15D

The presence of benzene and toluene within the former plating area is assumed to be related to past petroleum releases from the former USTs removed during the AOC-01 IRM. A total of nine (9) USTs containing 14,250 gallons of petroleum and solvents, as well as all accessible (248 tons) hazardous and non-hazardous petroleum-contaminated soil were removed from this area of the Site. However, inaccessible areas of the property including the adjacent footprint of the 415 Orchard Street "High Rise" may contain contaminated media that will continue to release low levels of petroleum VOCs over time.

2-Butanone and acetone are common chemicals in the environment, which can occur as a result of natural degradation of organic materials or as a result of past industrial operations. No source for these VOCs is suggested by their occurrence on the Site. The compounds were not detected at elevated levels in Site subsurface soils.

The elevated level of 1-4 dioxane is an outlier as no occurrence of this VOC has been detected in previous analytical data or elsewhere on the Site in the latest (December 2012) analytical report. Likewise, the presence of chloroform, a common laboratory artifact, does not indicate the location of a source on the Site.

Trichloroethene (TCE) was detected at relatively low levels at MW-17 (< 10 ppb) and at other locations during the course of the RI including MWs-06, 07, 18, 19 and 19D. The level of TCE at MW-17 and PA-15S is relatively low (5.25 ppb and 7.4 ppb, respectively) and the widespread presence of this chemical on the Site over the duration of the SI does not indicate a single point source. It is also noted that the presence of this chemical in groundwater is common in former

industrial sites. It is suggested that the presence of vinyl chloride at PA-15D is related to natural attenuation of TCE detected at PA-15S.

### Metals

Metals concentrations exceeded groundwater standards as follows:

- Arsenic at MW-11 and MW-14
- Cadmium at MW-16 and MW-21
- Chromium at MW-14, MW-17, PA-04 and PA-14
- Hexavalent Chromium at MW-17 and PA-04
- Lead at MW-07, MW-11 and MW-14
- Selenium at MW-11

The presence of elevated hexavalent chromium in groundwater at the former plating area (MW-17, PA-04 and PA-14) represents residual levels of this element since the AOC-2 IRM was completed in 2012. It can be concluded that the former plating operations at the Site may have also contributed to the presence of arsenic and chromium at MW-14, however no link between these two locations has been established at the present time.

AOC-2 appears to be hydraulically isolated from surrounding areas due to the presence of subsurface barriers including concrete walls and footers of former buildings, the tunnel system, and the former UST vaults.

Lead levels observed in MW-07, MW-11 and MW-14 in the December 2012 analytical round represents the first time this metal was detected at elevated concentrations in groundwater at the Site. The presence of lead may be attributed to long term industrial use of the Site and surrounding areas. Likewise, the presence of elevated levels of selenium at MW-11, also a common contaminant in former industrial sites does not appear to suggest a discrete source area for this contaminant.

### Pre-IRM Metals Contaminant Concentrations in AOC-2 Source Area

AOC-2 Groundwater sample results were compared to the NYSDEC Part 703.5 Class GA and NYS TOGS 1.1.1 water quality standards. Analytical results of samples collected from PA-10S (shallow well in nested pair) and PA-12 exceeded the applicable regulatory standard for cadmium. Samples from micro-wells PA-04, PA-07, PA-08S, PA-09, PA-10S, PA-10D, PA-11, PA-14, PA-15S, and PA-15D also exceeded the regulatory standards for chromium.

It is noted that the data obtained during the detailed investigation of groundwater within AOC-02 does not represent current Site conditions since IRM excavations and in-situ molasses treatment mitigated the presence of these contaminants from this portion of the Site except as noted above.

SVOCs and PCBs

Concentrations of PCBs and SVOCs in groundwater were not observed to exceed applicable standards on the subject Site.

**4.3 Elemental Lead in Building Slabs**

Lead was commonly used to seal cracks and penetrations in floor slabs in industrial plants in the past. Lead has been observed in the remaining slabs at the Site in a number of locations. Attempts to quantify the amount of lead remaining in the slabs have been complicated by the presence of varying amounts of dust and debris at the surface. The presence of lead in the remaining slabs will be addressed in the SMP, as necessary.

## 5.0 Contaminant Fate and Transport

This Section includes an evaluation of contaminant fate and transport for the Site including identifying potential routes of migration, contaminant persistence, and contaminant migration.

### 5.1 Potential Routes of Migration

Potential routes of migration identified for the Site include:

- Petroleum-related VOCs migrating off-site in a dissolved groundwater plume;
- Organic and inorganic contaminants in sub-surface soils impacting the groundwater;
- Volatilization of VOCs in sub-surface soil and groundwater;
- If impacted soils or groundwater were to be disturbed, indirect migration pathways may include movement via construction equipment, evaporation, dust generation, spreading of contaminated groundwater to unaffected areas, etc.

### 5.2 Contaminant Persistence

Contamination at the Site is identified as consisting of petroleum-related VOCs in groundwater; SVOCs and metals in surface soil, sediments, and sub-slab soil; and metals in groundwater. Petroleum-related VOCs are degraded aerobically and anaerobically by microorganisms found naturally in the subsurface. SVOCs, metals, and pesticides are more persistent in the environment and would not be expected to degrade readily in the sub-surface. The chemical characteristics and fate of contaminants detected above applicable SCGs are summarized in the following table.



**Contaminant Persistence Table**

Chemical of Concern	Occurrence on Site <sup>1</sup>	Uses	Behavior in Water	Behavior in Air	Behavior in Soil
Acetone	Acetone exceeds groundwater standards at PA-14.	Intermediate compound in chemical manufacture (chloroform, bisphenol-A etc.), paint, varnish, solvent, clean and dry industrial equipment, sealants and adhesives, used in machine lubricating oils	chlorinated water may react with acetone to form chloroform (reaction proceeds readily at neutral and near neutral pH)	acetone vapor may break down into CO and free radicals (breakdown due to sunlight not direct interaction with air)	
Arsenic	Arsenic exceeds groundwater standards at MW-11 and MW-14.	Bronzing, used in lead alloys (strengthens lead components in car batteries), used in some semiconductor materials	Strongly sorbs to sediments. Does not volatilize. Some forms of arsenic are soluble and may travel with groundwater flow. Can dissolve in water and end up in soil and sediment	Adsorbs to airborne particulates. May be removed from air by rain and snow.	absorbed by plants, naturally occurring at low levels in the soil
Barium	Barium exceeds soil criteria for commercial reuse at OW-S-SS-03, OW-S-TP-18, OW-TP-32, and OW-Berm-1.	Metal alloy additive, spark plugs, Used by the oil and gas industries to make drilling muds. Also used to make paint, bricks, ceramics, glass and rubber.	Barium sulfate and barium carbonate, do not dissolve well in water. Barium chloride, barium nitrate, or barium hydroxide dissolve easily in water usually do not last in these forms for a long time in the environment.	low reactivity with oxygen, nitrogen and carbon dioxide	Not very mobile in most soil systems, may ionize and form various salts depending on the pH
Benzene	Benzene exceeds groundwater standards at PA-14, PA-15D and PA-15S.	Used in the production of insecticides, pesticides, fumigants, explosives, dyes, coatings, plastics, resins, solvents, rubber cement, gasoline, manufacture of many organics used in industrial processes (ethylbenzene, cyclohexane, diphenyls, chlorbenzenes)	Irradiation of aqueous solutions may form aldehydes, in anoxic conditions benzene has been known to degrade to phenol	benzene vapor can break down in sunlight and form ethylene, hydrogen, methane, ethane, toluene and cuprene, in the atmosphere benzene can react with hydroxyl or NOx gasses and form phenol or nitrobenzene	Microorganisms in soil react with benzene to form phenols and may degrade into other organic compounds and acids -in activated sludge some benzene can mineralize to CO2

Chemical of Concern	Occurrence on Site <sup>1</sup>	Uses	Behavior in Water	Behavior in Air	Behavior in Soil
2-Butanone	2-Butanone exceeds groundwater standards at PA-14.	solvent, vinyl films, resins, paints, paint removers, cements, adhesives, organic synthesis (2-butanol, butane, amines), cleaning fluids, acrylic coatings		in air containing nitrous acid exposed to sunlight 2-butanone can form nitrates	
Cadmium	Cadmium exceeds groundwater standards at MW-16 and MW-2. Cadmium exceeds Commercial Use SCO at OW-S-SS-04, OW-PA-FC2/2B, OS-PA-SWC-6 and OW-PA-SWC-5.	industrial process, battery production, pigmentation, coatings, electroplating, fertilizers	cadmium compounds sometimes ionize in water	in the air as a result of burning fossil fuels	can be absorbed into plants
Chloroform	Chloroform exceeds groundwater standards at MW-21 and PA-03.	fluorocarbon refrigerants and plastics, solvents, soil fumigant, insecticides, cleaning electronics	chloroform can react in solution for form CO <sub>2</sub>	broken down to phosgene, CO <sub>2</sub> , CO, hydrogen chloride and other chlorides	Does not sorb readily to soil and can easily travel through soil to groundwater where it dissolves easily and may breakdown to other chemicals and can last for extended periods.
Chromium and Hexavalent Chromium	Chromium exceeds groundwater standards at MW-14, MW-17, PA-04 and PA-14. Chromium exceeds soil criteria for commercial reuse at OW-S-SB-19 and OW-PA-SWC-7/7B.	steel production, chrome plating, dyes and pigments, leather tanning, and wood preserving, automobile refinishing, commonly found in abandoned industrial sites	commonly found in drinking water sources	Does not often remain in the atmosphere, but is deposited into the soil and water	commonly found in soils
1,4-Dioxane	1-4-Dioxane exceeds groundwater standards at PA-15D.	solvent, paint/varnish, removers, cements, fumigants, detergents, polishing	Easily dissolves in water	may react to form glyoxylic acid and oxygenated formates, monoformates, and diformates	
Lead	Lead exceeds groundwater standards at MW-07, MW-11	used in the production of batteries and metal products,	commonly found in waters as a result of burning fossil	Once released into the atmosphere, lead	Relatively immobile and can persist in soils

Chemical of Concern	Occurrence on Site <sup>1</sup>	Uses	Behavior in Water	Behavior in Air	Behavior in Soil
	and MW-14.	leaded fuels	fuels, mining, and manufacturing, in the environment lead is highly toxic to humans	particles disperse and may be removed by wet or dry deposition <sup>2</sup>	for long periods of time; usually accumulates in top soil after it has formed complexes with organic matter. Adsorption is based on the soils pH, type, size, organic matter, and other factors.
Polynuclear Aromatic Hydrocarbons (PAHs)	PAHs exceed Commercial Use SCO's at OW-S-SB-07, TP-18, TP-19/25, TP-35 pipe contents, and OW-Berm-1.	Occurs in fossil fuels and is released to the environment as a product of incomplete combustion.	Do not easily dissolve in water.	Vapors sorbed to small solid particles can travel long distances before they return to earth in rainfall or particle settling	Sorb tightly to particles. Biodegrades in presence of microorganisms
Toluene	Toluene exceeds groundwater standards at PA-14.	Used in the manufacture of other organic compounds, solvent, detergent in manufacturing , naturally occurring in gasoline	Will not readily adsorb to sediments or solid particles. Biodegrades in water with a half-life of 100-1,386 days.	Evaporates quickly into air from soil and water. Half-life in air is 3 days.	Relatively mobile in soil. Readily broken down by microorganisms in soil with a half-life of several hours to 71 days.
Trichloroethene	Trichloroethene exceeds groundwater standards at MW-17 and PA-15S.	Solvent, dry cleaning, degreaser for metal parts, refrigerants	CO <sub>2</sub> and CO produced under anaerobic conditions, can degrade into different tri and dichloroethene products	slowly decomposes	
Vinyl Chloride	Vinyl Chloride exceeds groundwater standards at MW-15D.	manufacture of polyvinyl chloride, adhesives, refrigerant, extraction solvent, organic synthesis	degradation can occur by biologic activity of microorganisms enhanced by high levels of nutrients ultimately forming methane and ethylene	irradiation can result in the formation of acids, ozone, CO and other organic compounds	

<sup>1</sup> Limited to analytical findings relative to environmental media only (soil, surface soil and groundwater)

<sup>2</sup> Source: National Library of Medicine, Hazardous Substance Data Bank (HSDB). toxnet.nlm.nih.gov

### 5.3 Contaminant Migration

Contaminant migration patterns are further described in this section. Contaminants at the Site detected above regulatory criteria include: petroleum-related VOCs in groundwater; and SVOCs and metals in surface soil, sediments, and sub-slab soil.

The most predominant source of detected VOC contamination appears to be associated with former USTs and associated piping located adjacent to the western wall of the 415 Orchard Street "High Rise". During removal of these petroleum and solvent storage tanks, it was evident that tank contents had leaked into the surrounding bedding, into the concrete vaults, and beneath one un-lined tank grave. Past releases of petroleum have migrated downward through the soils and impacted groundwater. Groundwater impacts are most significant in the area of MW-17, and PA-14, 15D and 15S located west of the former USTs. Dissolved-phase VOCs, benzene in particular, has migrated westward from the former USTs.

The presence of the building to the immediate east of the former tank pit has prevented investigation of potential eastward migration. However, the fact that elevated VOCs have not been identified in MW-16, immediately down gradient of the former UST location to the northeast, may indicate that the VOCs in this area are not substantially mobile. Contaminant mobility may also be restricted by the presence of the deep concrete structures of the former tank pit vault, adjacent tunnel, and 415 Orchard Street "High Rise" building foundations which extend down through the saturated zone to a depth of up to 12 feet below grade. This is coincident with the observed depth to bedrock in this area of the Site. It is suggested that the presence of residual aqueous chromium in the plating area can be attributed to the hydraulic isolation of this location by the deep concrete barriers. However, the anomalous 38-foot depth to bedrock at the southeastern corner of the 415 Orchard Street "High Rise" ( PA-01), may allow eastward migration of contaminants into uninvestigated portions of the Site beneath the remaining structure.

During the December 2012 groundwater sampling event, elevated levels of lead were observed in groundwater at MW-7, MW-11 and MW-14. Elevated concentrations of arsenic were observed in groundwater sampled from MW-11 and MW-14. Selenium exceeded the NYSDEC groundwater standard at MW-11 and chromium was also found to exceed the applicable standard at MW-14. It is noted that during prior groundwater sampling events, none of these contaminant occurrences were observed. The fact that the occurrences are not in close proximity to known AOCs and no other on-Site point sources for these contaminants is known suggests that they may have migrated from an up-gradient source, or may be representative of background conditions.

Surface and subsurface soils contain levels of SVOCs and RCRA metals at levels exceeding Commercial Re-Use Criteria in a number of locations as described in Sections

4.1 and 4.3. Migration of these contaminants in soil is considered to be minimal in part because the majority of the Site remains covered by concrete slabs, weathered asphalt and/or large pile of demolition debris. The occurrence of SVOC and RCRA metals in off-Site surface soils is relatively consistent with the on-Site occurrence of subsurface contaminants with the exception of the former Plating Area. This would appear to suggest that these contaminants may represent background concentrations for this area of the City of Rochester. SVOCs and metals identified in Site soils have relatively low mobility in the subsurface and would not be expected to impact the underlying groundwater.

### **5.3.1 Factors Affecting Contaminant Migration**

Factors affecting contaminant migration include: advection; dispersion; molecular diffusion; adsorption of constituents onto soil particles; microbial and chemical degradation; and partitioning of constituents between soil, groundwater, and air. Contaminant migration within the Site is substantially influenced by the presence of the restrictive deep concrete structures located above and within the saturated zone where residual soil and groundwater contamination remains.

Groundwater contamination present at the Site generally consists of petroleum-related VOCs. These compounds are typically soluble in water and do not adsorb to sediments or solid particles, therefore, they are relatively mobile in the environment. Natural breakdown and dispersion of petroleum compounds in the subsurface limits the extent of contaminant migration. The metals detected in groundwater vary in their mobility, but are typically less mobile in groundwater than VOCs. Metals are not substantially affected by the presence of microbial degradation and attenuate primarily by means of dispersion and chemical reactions including oxidation.

Groundwater flow at the Site is toward the northeast, however, it does not appear that contamination has migrated off-site since only very low levels were detected in the down-gradient wells MW-8 and MW-22. Hydraulic conductivity measurements for on-Site wells (MW-9, MW-10, MW-14, MW-20 & MW-22) averaged  $1.47 \times 10^{-5}$  ft/min. The approximate maximum groundwater flow velocity has been calculated to be  $1.46 \times 10^{-6}$  ft/sec (0.126 ft/day).

## 6.0 Summary and Conclusions

### 6.1 Investigation Summary

This remedial investigation has been completed in stages since 2006. This period of time encompasses numerous tasks associated with both IRMs and investigation activities. Investigations performed as part of this project included:

- Detailed evaluation of past Site uses
- Evaluation of building materials for the presence of asbestos and/or other hazardous materials.
- Evaluation of surface soil conditions;
- Evaluation of subsurface soil conditions;
- Evaluation of groundwater conditions; and

IRMs completed during the RI included incidental removal and disposal of small quantities of wastes encountered during the investigation process including:

- Asbestos abatement
- Building demolition
- Transformer removal and disposal
- Incidental materials recovery and disposal

Additional IRMs were completed to mitigate environmental conditions associated with AOCs 1, 2 and 3. The following wastes were removed from the Site as part of AOC-related IRMs for proper disposal:

#### AOC-Related IRMs

IRM WASTE STREAMS	WASTE QUANTITY
<b><u>AOC-1:</u></b>	
UST Waste Products (Petroleum and Solvents)	14,245 gallons
Non-Hazardous Tank Bedding Materials	213.28 tons
Hazardous Tank Bedding Soil	14.6 tons
UST Cleaning Residues	1,110 gallons
<b><u>AOC-2</u></b>	
Non-Hazardous Soils (Including Chimney Ash)	533.65 tons
Hazardous Soils	127.05 tons
Decontamination and Purge Water	100 gallons
Frac Tank Cleaning Residues	55 gallons
Chimney Base Waste Water	555 gallons
<b><u>AOC-3</u></b>	
Petroleum-Contaminated Soils	5 tons

A total of 16 aqueous and 26 solid samples were obtained as part of completion of the targeted investigation of these AOCs. Analytical results for all RI sampling are included in Tables 1 through 3.

SI work at the Site included laboratory analysis of 176 samples including four (4) surface soils, 73 subsurface soils and 99 groundwater samples. Various building material samples were also submitted for laboratory analysis of asbestos, lead, and PCBs as described in the reports provided as Appendix B. Field screening with real-time instruments was used to supplement the laboratory data. Waste characterization samples were obtained as indicated in the FER (Appendix H).

The majority of the onsite structures have been demolished, which allowed access to the majority of the subject property. The remaining “High Rise” at 415 Orchard Street has not been completely evaluated with respect to potential subsurface contamination. The City is in the process of subdividing the footprint of this structure from the remaining portions of the Site to facilitate closure of the property under the NYSDEC ERP.

Off-site investigation to determine background conditions in the vicinity of the Site included the installation and sampling of four (4) wells, two (2) soil borings and four (4) surface soil sample points. All of the off-Site investigation activities took place within City-owned right-of-way on adjacent streets.

## **6.2 Conclusions**

Beginning in 2007, Lu Engineers conducted historical research followed by extensive surface and subsurface investigation of soil and groundwater media, as well as soil and groundwater remediation through three (3) IRMs at the subject Site. Environmental hazards related to and including the demolition of most Site structures were also addressed as IRMs during this period. The identified sources of contamination remaining at the Site include: VOCs and SVOCs associated with petroleum storage and other past industrial operations; and RCRA metal-contaminated soil and groundwater related to past metal finishing operations.

The highest levels of soil and groundwater contamination remaining is located to the west of the remaining 415 Orchard Street structure, as indicated on Figures 7, 11.1 and 11.2. Soil and groundwater in this area is impacted by low-level concentrations of solvents and non-hazardous concentrations of metals. SVOCs are present in soils west of the 415 Orchard Street “High Rise” as well as in the berm on the southern perimeter of the Site and within piping found at TP-35, within the former footprint of the 415 Orchard Street “Low Rise”. Lead was found to exceed groundwater standards in the northern (MW-7 and 14) and western (MW-11) portion of the Site.

Groundwater flow is generally to the northeast, toward the Genesee River. There is no evidence to suggest that contaminated soil or groundwater has migrated off-site.

Off-site surface soil sampling in the vicinity of the Site indicates that detected Site contaminants are present in the environment surrounding the subject property. Therefore, it is concluded that the occurrence of SVOC and metals contamination across the Site is at least partially related to the presence of these contaminants in the background Site environment.

Due to potential exposure hazards to human health and the environment, surface and likely subsurface soil and groundwater contamination will need to be addressed as part of the planning process associated with eventual re-use of the Site. If future Site redevelopment involves excavation or disturbance of impacted soils and/or contact with groundwater, there is a potential for human exposures and contaminant migration. Potential future exposures shall be addressed by the final Site remedy. Existing contaminant concentrations identified in groundwater are expected to decrease over time due to natural attenuation processes in the subsurface.

It is concluded that the relatively high permeability of Site soils and presence of various impermeable subsurface features have had a significant effect on the nature and extent of contamination on the Site. Based on the complexity and duration of past industrial operations at this Site, much higher levels of residual contamination could have reasonably been expected. Contaminant source areas including underground petroleum storage and hazardous waste levels of RCRA metals in soil and groundwater appear to have remained almost unaffected by long-term processes that would typically result in release of these contaminants to the surrounding environment. This fact facilitated completion of IRMs and prevented what may have otherwise been a much wider distribution of contamination at the Site and a substantial increase in the costs required for remediation.

In 2003, one of the largest arson fires ever to occur in the City of Rochester occurred on the subject Site when the multistory industrial buildings formerly occupying the western portion of the Whitney Street parcel burned. The City of Rochester Fire Department used several million gallons of water in fighting this fire, much of which would have entered the subsurface at that time. Likewise, at least two fires have occurred at the 415 Orchard Street "High Rise", which would have also resulting in the release of large amounts of water into the subsurface. It is inferred that the introduction of large amounts of clean water into the subsurface of the Site over the years, has helped to attenuate Site contaminants observed in soil and groundwater.

Results of off-site groundwater sampling do not indicate a concern with public exposure to impacted groundwater at this time.

#### **6.2.1 Data Limitations and Recommendations for Future Work**

Due to the large volume of confirmatory samples collected and with NYSDEC concurrence, Data Usability Summary Reports (DUSRs) were prepared for 25% of



the confirmatory samples collected at the Site. No significant analytical data limitations were identified during the data usability review. Data Usability Summary Reports (DUSRs) were prepared by Ms. Nancy Potak and are included as Appendix M. An email response provided by Paradigm, relating to certain minor issues mentioned in the DUSRs, is also included in Appendix M.

Based on investigation data generated, remedial actions conducted to date and the anticipated future use of the Site, Lu Engineers recommends the following:

- 1) No further action at the Site with respect to additional investigative or remedial efforts.
- 2) Cap the areas of the Site identified as being impacted with SVOC and metals contaminants in surface soils with an approved soil cover as necessary to facilitate future development plans.
- 3) Develop a Site Management Plan (SMP), including a Soil Management Plan, to establish the necessary protocols to: provide worker safety measures; and to properly address contaminants or previously unidentified subsurface features, such as tanks or piping, if future development involves the disturbance of contaminated surface and subsurface soils.
- 4) Impose engineering controls/institutional controls (ECs/ICs) to disallow the use of Site groundwater.

#### **6.2.2 Recommended Remedial Action Objectives**

Based on the findings of this investigation, the following Remedial Action Objectives (RAOs) are recommended:

- Prevent ingestion of groundwater with contaminant levels exceeding drinking water standards;
- Prevent ingestion and direct contact with petroleum-impacted subsurface soils;
- Prevent contact with, or inhalation of, VOCs from petroleum-impacted subsurface soil and groundwater at the Site; and
- Prevent migration of contamination that would result in impacts to surface water or groundwater.

An SMP will be required for this Site to be used as a guide for future use and potential development.

## **7.0 Exposure Assessment**

The purpose of this exposure assessment is to qualitatively evaluate the contaminants of concern and the affected media with respect to potential exposure pathways and human receptors. This assessment is done to evaluate the potential for exposure routes to be present in order to facilitate the development of a remedial action plan.

The following exposure pathways were evaluated:

- Ingestion of impacted soil and/or groundwater;
- Inhalation of vapors and/or dust; and
- Direct contact with impacted soil/groundwater.

Potential human receptors in the vicinity of the Site include:

- Residents living nearby;
- Visitors to the Site;
- City employees;
- Construction workers involved with remedial activities or Site redevelopment; and
- Construction workers involved with excavation in the City-owned rights-of-way adjacent to the Site.

### **7.1 Qualitative Public Exposure Assessment**

The following is an evaluation of the exposure pathways and their status with respect to the Site.

#### Ingestion of Contaminated Soil and/or Groundwater

Access to the Site is limited to authorized personnel the City of Rochester. The entrance is secured by a fence and locked gate. Ingestion of soils is therefore an unlikely exposure pathway.

There are currently no drinking water wells on the Site and a public water supply is available to the entire City of Rochester. Deed restrictions may be necessary to restrict future use of groundwater at the Site. No private drinking water wells are present in the area.

#### Inhalation of Vapors

The potential exists for volatilization of petroleum-related VOCs and SVOCs from impacted soil/ groundwater. Exposure to soil vapor could occur during excavation in impacted areas. Onsite workers could be exposed to VOCs and SVOCs during future development if excavation of impacted media (approximately 0-10 feet bgs) were to occur. Potential future exposures can be mitigated by means of a Site Management Plan.

Soil vapor intrusion is not a concern at the Site since there are no occupied structures. Adjoining occupied properties are located a sufficient distance away from the VOC source area that soil vapor intrusion exposures are not likely at the present time. However, soil vapor intrusion should be considered with respect to future Site development.

Direct Contact with Impacted Soils and/or Groundwater

Direct contact with impacted soil and/or groundwater on the Site is unlikely since it is securely fenced and unoccupied.

The potential exists for future exposures if workers come into contact with impacted media during excavation or Site development activities. All work should be performed in accordance with an approved Health and Safety Plan and knowledge of Site conditions. Future recreational use of the Site could present a risk for public exposure to impacted surface soils. Site controls, such as clean cover material, would mitigate this risk.

**7.2 Environmental Exposure Assessment**

The Fish and Wildlife Resources Impact Analysis (FWRIA) Decision Key was completed for the Site, as outlined in DER-10, and is included as Appendix F. Based on the Decision Key, it has been determined that a FWRIA is not required for this Site.

## 8.0 Identification and Development of Alternatives

This section identifies and develops remedial action objectives and alternative remedies to address contamination identified during the RI at the Site.

### 8.1 Remedial Action Objectives

Remedial action objectives (RAOs) are objectives for the protection of public health and the environment and are developed based on contaminant-specific standards and guidance to address contamination at the Site. Based on the RI findings, the following RAOs have been developed:

- Prevent contact with subsurface soil at the Site which has been impacted by metals and SVOCs
- Prevent contact with groundwater impacted by VOCs and metals
- Prevent migration of contamination that would result in impacts to surface water

#### 8.1.1 Contaminants of Concern

A contaminant of concern (COC) is a contaminant that is sufficiently present in frequency and concentration in the environment to require evaluation for remedial action. Not all contaminants identified on the property are considered contaminants of concern. The COCs identified at this Site are primarily petroleum-related VOCs and RCRA metals in groundwater and SVOCs and RCRA metals in subsurface soils. A complete list of all detected contaminants above applicable criteria along with their occurrence at the Site and behavior in the environment is included in Section 5.2. The applicable standards, criteria, and guidance values (SCGs) for the Site are listed below.

#### Soil

NYSDEC SCOs in 6 NYCRR Part 375-6.8(a) and (b) (effective December 14, 2006) Commercial Use Cleanup Objectives are most applicable to future use of the Site, based on Site location and planned future for commercial development. Contaminants of concern detected above Commercial Use SCOs are listed below and summarized in Tables 2 and 3. Contaminants of concern detected above Commercial Use SCOs are illustrated on Figure 11.1 and 11.2.

**COCs in Soil**

<u>SVOCs</u>	<u>Metals</u>
benzo(a)anthracene	barium
benzo(a)pyrene	cadmium
benzo(b)fluoranthene	chromium
dibenzo(a,h)anthracene	

**Groundwater-** NYS Class GA Groundwater Quality Standards from 6 NYCRR Parts 700-705 (NYS, 1999b) and, in the absence of a standard, guidance values in the NYSDEC Technical and Operational Guidance Series 1.1.1 (NYSDEC, 1998) are most applicable to future use of the Site based on location and planned future commercial development. These standards are based on groundwater as a drinking water source.

The following table lists groundwater COCs found to exceed applicable standards as detailed in Tables 3 and 3-1.

**COCs in Groundwater**

<u>VOCs</u>	<u>Metals</u>
acetone	chromium
chloroform	hexavalent chromium
benzene	lead
2-butanone	
1,4-dioxane	
toluene	
vinyl chloride	
trichloroethene	

A more complete presentation of analytical results is provided in the Sections 4 and 5 of this report.

**8.1.2 Development of Remediation Goals**

The process of defining the goals of a proposed remedial action is based on an engineering analysis of the expected benefits of the remedial effort as defined in the context of various evaluation criteria. As required in 6 NYCRR Part 375, the following criteria have been considered with respect to the effectiveness of remedial alternatives for the Site:

- Protection of Public Health and the Environment. This criterion is an evaluation of the remedy’s ability to eliminate or mitigate risks to human health and the environment during and after implementation of the remedial alternative that is selected.
- Compliance with Standards, Criteria, and Guidance. This criterion addresses whether the selected remedial alternative will ultimately result in compliance with SCGs, to the extent practicable. The chemical-specific SCGs for groundwater are referenced in 6 NYCRR Part 703.5 and TOGS 1.1.1.

- Long-term Effectiveness and Permanence. This criterion evaluates the long-term effectiveness of the remedy after implementation. This includes remaining risk to public health or the environment, adequacy and reliability of controls over time, and the ability to meet RAOs in the future.
- Reduction of Toxicity, Mobility, or Volume. This criterion evaluates the remedy's ability to reduce the toxicity, mobility, and volume of site contamination.
- Short-Term Impacts and Effectiveness. This is an evaluation of the potential short-term adverse impacts and risks of the remedy upon public health, workers, and the environment during implementation of the remedy. This includes an analysis of how the identified risks will be controlled and the effectiveness of those controls.
- Implementability. The implementability criterion evaluates the technical and non-technical feasibility of implementing a remedy. Technical feasibility includes the difficulties associated with construction and the ability to monitor the effectiveness of the remedy. Non-technical feasibility relates to the availability of necessary personnel and materials, ability to obtain approvals, access, etc.
- Cost Effectiveness. This criterion is used to select a remedy where cost of the remedy is proportional to overall effectiveness.
- Land Use. This criterion is intended to evaluate the remedial alternatives in relation to the current, intended, and reasonably anticipated future use of the Site.
- Community Acceptance. This criterion evaluates the public's comments, concerns, and overall perception of the remedy. Community acceptance will be evaluated after the public comment period, as part of the final remedy selection and approval.

## **8.2 General Response Actions**

General response actions are media-specific procedures used to meet established RAOs for the Site. These procedures involve remediation approaches that consist of various technologies and process options. General response actions for environmental media commonly include treatment, containment, extraction and/or disposal, and institutional actions (i.e., deed restrictions).

General response actions conducted at the Site to date as IRMs include the following:

- Asbestos abatement
- Building demolition
- Transformer removal and disposal
- Incidental materials recovery and disposal
- Remediation completed relative to AOCs 1, 2 and 3

This analysis recognizes the completed IRMs and will evaluate response actions (i.e., institutional controls) to address remaining soil contaminants exceeding Commercial Use SCOs as well as metals and VOC contamination in groundwater above NYS Groundwater Standards.

As required by regulation 6 NYCRR Part 375-4.8(d)(2), this analysis will also consider an alternative to achieve the Unrestricted Use SCOs in 6 NYCRR Part 375-6.8(a), which are considered to be representative of pre-disposal conditions at the Site. This option would allow any property use including the raising of livestock; although it should be noted that current zoning and land use plans would preclude the Site from such use. Regardless, the unrestricted use option will be included as a comparison to evaluate other alternatives. The Unrestricted Use evaluation will include response actions to address VOC and metals contamination in groundwater, and metals and SVOC contaminants in soil.

### **8.2.1 Soil**

Investigation results show the occurrences of SVOC and metals in subsurface soils that exceed Commercial Use SCOs, as depicted on Figure 11. These areas include the berm at the southern edge of the Site and contaminated materials identified within piping at TP-35 in the former "Low Rise" footprint. The contaminated materials in the piping are considered an issue that would be addressed during future Site development as directed by the SMP. The berm material would also be addressed under the SMP requirements.

Response actions were evaluated to meet the RAOs established for the Site. As part of the preliminary screening process, presumptive/proven remedial technologies in DER-15 were considered, as shown in the following table.

**Preliminary Screening of Soil Remedial Actions**

<b>Presumptive Remedy</b>	<b>Feasible</b>	<b>Rationale</b>
Soil Excavation and Disposal	No	Soils are presumed to be non-hazardous and acceptable for disposal as landfill cover; however, this would involve removing the majority of Site soil/fill material.
Immobilization/Stabilization	No	Not feasible due to the widespread nature of contamination.
Institutional/Engineering controls (cover, secure, deed restrictions)	Yes	Placement of clean cover material, deed restrictions, and implementation of a Site Management Plan can meet the RAOs for the Site.

The Site is currently securely fenced and vacant. No completed exposure pathways were identified in the exposure assessment. Due to the extensive amount of impacted fill/soil present at the Site, remediation would be complicated and costly. Therefore, the most practical approach to meet the established RAOs is through implementation of engineering and institutional controls.

Additional remedial actions were considered for evaluation of the Unrestricted Use Option, including: soil removal and disposal; and immobilization/stabilization treatment to address all impacted soils as shown on Figures 11.1 and 11.2. The total volume of surface and subsurface soils above Unrestricted Use SCOs is estimated to be 76,000 tons, assuming a soil weight of 1.5 tons/yd<sup>3</sup> and an average overburden depth of 8 feet.

**8.2.2 Groundwater**

The goal of the response actions is to address petroleum-related VOCs in groundwater in the former plating area and elsewhere on the site as indicated in Figure 7. Groundwater has been impacted by VOCs from former petroleum spills and by lead associated with leaded gasoline and other typical industrial uses. Hexavalent chromium is also present in groundwater as a result of past plating and metal finishing operations. As part of the preliminary screening process, presumptive/proven remedial technologies in DER-15 were considered, as shown in the following table.

**Preliminary Screening of Groundwater Remedial Actions**

<b>Presumptive Remedy<sup>1</sup></b>	<b>Feasible</b>	<b>Rationale</b>
Groundwater Extraction and Treatment	Yes	Technically complicated and costly, but feasible.
In-Situ Chemical Oxidation/Bioremediation	No	Traditionally ineffective in fractured rock aquifers. May be feasible, but need more detailed characterization of bedrock to determine if this would be an effective



Presumptive Remedy <sup>1</sup>	Feasible	Rationale
		remedial method.
Air Sparging	No	Largely ineffective in fractured rock aquifers due to the presence of preferential pathways.
Two-Phase Vacuum Extraction	No	Moderate non-saturated soil permeability and weathered bedrock surface affect feasibility.
Monitored Natural Attenuation	Yes	Detected compounds breakdown naturally over time. Would also require the use of institutional controls.
Institutional Controls	Yes	Deed restrictions and implementation of a Site Management Plan can meet the RAOs for the Site.

<sup>1</sup> – Remedies listed are intended to address one or more residual contaminant type(s)

No completed exposure pathways were identified in the exposure assessment. Interim remedial measures were performed to mitigate the presence of petroleum and Cr<sup>+6</sup> and prevent human exposure and/or migration of contamination. Thus far IRM efforts appear to be effective; however, additional groundwater monitoring is needed to determine the long-term effectiveness. Therefore, the established RAOs can be met through implementation of institutional controls including long-term groundwater monitoring.

Additional remedial options were considered to address groundwater exceeding NYS Groundwater Standards without the use of institutional controls for evaluation of the Unrestricted Use Option. Groundwater extraction and treatment was selected as the most appropriate remedial alternative for this evaluation.

### 8.3 Development of Alternatives

This section describes the technology types and process options that are appropriate to conditions and the nature and extent of contamination at the Site.

After a preliminary screening, the following general response actions have been identified to address residual soil and groundwater contamination at the Site:

- No Further Action
- Engineering/Institutional Controls and Long-Term Monitoring
- Unrestricted Use Option- Soil Removal and Disposal with Groundwater Extraction and Treatment

#### 8.3.1 Commercial Use Alternatives

The commercial use category allows for the buying, selling or trading of merchandise or services including public uses with limited potential for soil contact. Based on the City’s conceptual plan to develop the Site for commercial use, the location of the Site, and the surrounding land uses, this is the most

applicable land use category. Current zoning would also support future commercial Site use.

#### No Further Action

The No Further Action alternative is included as a baseline to evaluate other alternatives. This alternative recognizes the IRMs already completed, and proposes no additional remedial work. The Site condition would remain as is, and future use would not be limited.

#### Engineering/Institutional Controls with Long-Term Monitoring

Under this alternative, long-term groundwater monitoring would be conducted to track contaminant migration and degradation over time. Engineering controls (i.e., site cover) would be implemented to prevent exposure to surface and subsurface soil contamination at the Site. In addition, institutional controls (e.g., deed restriction to control property use) and development of an SMP, including a Soil Management Plan and Health and Safety Plan (HASp), would be implemented to mitigate potential exposures during future development or site use.

### **8.3.2 Unrestricted Use Alternative**

As required by regulation 6 NYCRR Part 375-4.8(d)(2), this analysis will consider an alternative to achieve the Unrestricted Use SCOs in 6 NYCRR Part 375-6.8(a), which are considered to be representative of pre-disposal conditions at the Site. This option would allow any property use including the raising of livestock; although it should be noted that location and parcel size limitations would preclude the Site from such use. Therefore, the unrestricted use option will be included only as a comparison to evaluate other alternatives.

Both soil and groundwater contamination would need to be remediated for future Site use to be unrestricted. This would involve excavation and off-site disposal of surface and sub-surface soil exceeding Unrestricted Use SCOs and groundwater treatment to achieve the NYS Groundwater Standards. Preliminary screening deemed groundwater extraction and treatment as the most appropriate remedy to attain groundwater standards.

#### Soil Excavation and Disposal

The total volume of soil/fill (surface and sub-surface) exceeding Unrestricted Use SCOs is estimated to be approximately 76,000 tons, assuming a soil weight of 1.5 tons/yd<sup>3</sup>. The average contaminated zone for sub-surface soil is estimated to be 1-8 feet below grade.

Confirmatory soil samples would be collected to demonstrate effective removal of contaminated soil/fill. Excavated areas would be backfilled with clean soil/fill material from an approved source.

In-Situ Groundwater Remediation and Groundwater Extraction and Treatment

Since the Unrestricted Use category does not allow for groundwater use restrictions on the property, groundwater treatment would be required to address residual impacts in the vicinity of the former plating area and the northern and western portions of the Site as indicated on Figure 9. A combination of in-situ groundwater remediation and groundwater extraction and treatment (GWET) is evaluated to remediate contamination above NYS Groundwater Standards. In-situ remediation by reduction of  $\text{Cr}^{+6}$  to immobile and insoluble  $\text{Cr}^{+3}$  is evaluated. GWET is an ex-situ technology involving the installation of pumping wells in the plume area to artificially depress the potentiometric surface so that contaminated groundwater flows toward the pumping wells. Groundwater is extracted from the wells and treated using an air stripper to volatilize contaminants from groundwater to air.

An SMP including operations and maintenance activities would also need to be implemented.

## 9.0 Detailed Development of Alternatives

### 9.1 Individual Analysis of Alternatives

Each of the alternatives identified in Section 8.3 are further evaluated in detail in this section of the report.

#### 9.1.1 Commercial Use Options

These alternatives are further defined below.

##### No Further Action

Under this alternative, soil and groundwater would remain unremediated and future Site use and development would not be limited. This alternative may not be protective of human health since no institutional controls would be implemented to mitigate potential future exposures. Except for natural attenuation of VOCs and metals in groundwater, this alternative would not result in the measurable reduction of contaminant toxicity, mobility, or volume and may not attain compliance with NYS Groundwater Standards.

There would be no increased short-term risks associated with the No Action alternative since remedial activities are not implemented; however, the alternative may not be effective in the long-term and is not considered a permanent remedy.

Based on the findings of the investigation performed to date, it is anticipated that this alternative would not be acceptable to the community or appropriate in regards to potential future redevelopment of the Site.

##### Engineering/Institutional Controls with Long-Term Monitoring

This alternative includes long-term groundwater monitoring, engineering controls to prevent exposures, institutional controls (e.g., deed restriction to control site use), and development of a SMP (including HASP). The SMP would include procedures for properly handling and disposing of impacted soil and/or below grade utilities that may contain elevated concentrations of COCs such as the piping identified at TP-35, should it be disturbed in the future. Groundwater monitoring will include annual sampling of selected wells as approved by the City and NYSDEC.

To prevent future exposures and migration of contaminants, a site cover would be placed over areas of the Site where soils exceeding Commercial Use SCOs, as shown on Figure 11, are exposed. The cover may consist either of structures such as buildings, pavement, sidewalks or a soil cover of at least one foot. Soil

cover must meet SCOs for cover material as set forth in 6 NYCRR Part 375-6.7(d) for commercial use. Maintenance of the site cover will be required in the SMP.

Placement of a soil cover on the Site is will likely be a component of future re-development and is considered feasible. If a soil cover is not a component of Site re-development, it is recommended that the impacted areas remain fenced and secured with a locked gate to prevent human contact with surface soil exceeding Commercial Use SCOs.

The land use restrictions would be in the form of an environmental easement granted to the NYSDEC that requires:

- commercial use, which will also permit industrial use;
- compliance with an approved SMP;
- restricting the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by NYSDOH;
- and the property owner to complete and submit an annual certification of institutional controls.

This alternative would also include development of a SMP which will include:

- an Excavation Plan outlining procedures for proper handling and disposal of impacted soil that may be encountered;
- a HASP to protect the health and safety of site workers;
- a groundwater monitoring program;
- provisions to evaluate the potential for soil vapor intrusion should any building be developed on the Site and to implement actions (e.g., mitigation) recommended to address exposures related to soil vapor intrusion; and
- which will describe the use restrictions along with procedures for maintenance of the Site remedy.

Results of the annual groundwater sampling would be submitted to the NYSDEC and NYSDOH, along with a certification that the any required engineering and institutional controls are in place and able to protect public health and the environment.

This alternative would be protective of human health and the environment since it will mitigate potential future exposures to contaminated soil and groundwater and provide guidance for future ground intrusive work that may disturb impacted soils beneath the cover. The only additional reduction of contaminant toxicity, mobility, or mass would be a result of natural attenuation processes. There would be no increased short-term risks associated with this alternative

since remedial activities are not implemented. This alternative should be effective in the long-term; however, it may not be a permanent remedy.

Based on the investigation findings to date, it is anticipated that this alternative would meet the criteria described in Section 8.2.2. It is technically feasible, cost effective, and relatively easy to implement for the Site.

### **9.1.2 Unrestricted Use Option**

#### Soil Excavation and Disposal

Under this alternative, a large portion of onsite soil/fill would be removed down to bedrock. The widespread nature of soil/fill contaminants and the presence of subsurface utilities limit the feasibility of excavation and off-site disposal as a remedial alternative.

The total volume of surface and subsurface soils above Unrestricted Use SCOs is estimated to be 76,000 tons, assuming a soil weight of 1.5 tons/yd<sup>3</sup> and an average overburden depth of 8 feet.

Municipal forces could potentially be utilized to complete the soil/fill removal, staging, loading, and backfill activities, pending their availability. For purposes of this evaluation, it is assumed that the work will be subcontracted and prevailing wage rates apply. Based on analytical results, the excavated material would be classified as non-hazardous waste. Excavated material would be transported off-site to a permitted disposal facility. Clean backfill would be used to bring excavated areas back to existing grade. To facilitate soil/fill removal, demolition of concrete building slabs and foundation will be necessary for removal of soil throughout the Site.

Post-removal confirmatory samples will be collected to demonstrate successful removal of impacted soil/fill. Bottom samples would not be required if soil/fill were removed down to bedrock. During excavation, air monitoring would be performed as specified in the Community Air Monitoring Plan (CAMP) and HASP.

#### In-Situ Groundwater Remediation and Groundwater Extraction and Treatment (GWET)

A two-phase program would be used to address chromium, lead and VOC contaminants remaining in groundwater after completion of the soil removal process. Initially, a molasses injection program would be implemented in the former plating area to reduce residual concentrations of Cr<sup>+6</sup> to the insoluble Cr<sup>+3</sup> state. This would be accomplished by the direct injection of a 5% solution of food-grade molasses into the subsurface in the affected area of the Site using a Geoprobe® or similar equipment. Monitoring would be completed periodically and the second phase of remediation would be initiated after Cr<sup>+6</sup>

concentrations have been consistently reduced to below groundwater standards.

A GWET system would be utilized to treat residual groundwater concentrations above NYS Groundwater Standards in the vicinity of the former Plating Area as well as the northern and western areas of the Site where elevated levels of lead were identified. Typically, a GWET system is designed so that the capture zone is sufficient to cover the lateral extent of the area of concern. Based on the hydrogeologic characterization of the Site completed to date, it is estimated that approximately 1,000 gallons per day may need to be extracted and treated by the system. The total number and location of extraction wells would be determined by a pumping test conducted during the design phase. Well installation would involve rock coring.

Extracted groundwater would be pumped from the extraction wells and transferred via underground piping to an enclosure containing a multi-tray air stripper. Influent water flows into the air stripper, over a weir and through a series of sieve/aeration trays as it descends to a sump at the bottom of the unit. Air is simultaneously drawn up through the sieve holes in each tray forming a froth of bubbles, generating a large gas/liquid contact surface area. Depth of froth and unit air-to-water ratio are carefully controlled to optimize the contaminant removal process. This allows mass transfer of contaminants from the water into the rising air, which is exhausted at the top of the unit. A carbon "polish" would be required to remove lead.

An air permit is not anticipated to be required at this Site, based on groundwater analytical results. If needed, the exhaust may be passed through a treatment device such as activated carbon. A permit would be necessary for discharge of treated effluent water, along with periodic sampling. An operations and maintenance (O&M) plan would be developed for regular system checks and performance monitoring.

Groundwater concentrations would be monitored through a groundwater sampling program to verify system performance. Samples would be analyzed for COCs to monitor the effectiveness of the treatment program.

This alternative is the most conservative of the three alternatives considered and would be protective of human health and the environment by remediating soil contaminant concentrations above Unrestricted Use SCOs from the Site and decreasing groundwater contaminant concentrations to levels below applicable NYS groundwater standards.

Soil and groundwater remediation will reduce the toxicity, mass, and mobility of hazardous substances at the Site by chemical alteration and physical removal of the contaminant mass and subsequently preventing off-site migration. It should be noted that soil contamination would not be destroyed, just transferred to a controlled disposal facility. Groundwater contaminants would be transferred from groundwater to the atmosphere; VOCs breakdown naturally in the atmosphere.

There would be an increase in short-term risks associated with the soil removal work and implementation of the groundwater treatment program. Work areas would need to be secured to minimize potential safety issues. These risks could be managed through implementation of a CAMP and HASP. There is also the potential for human exposure to airborne contaminants in the vicinity of the GWET system exhaust. The system would be engineered so as to minimize these exposures.

This alternative is a permanent remedy and would be effective in the long-term. Based on investigation findings to date, it is anticipated that this alternative may meet the criteria described in Section 8.1.2; however, there are technical limitations, safety considerations, and the costs are high.

**9.2 Comparative Analysis**

A comparative evaluation of the remedial alternatives is presented in the form of a matrix, provided in the table below. It is noted that the Unrestricted Use Alternative is included herein for comparison only and that the City of Rochester is not considering Unrestricted Use as a viable goal for the subject Site.

**Qualitative Comparison of Remedial Alternatives**

Criteria	Commercial Use Alternatives		Unrestricted Use Alternative
	No Further Action	Institutional/Engineering Controls w/ Long-Term Monitoring	Soil Excavation/Disposal & Groundwater Extraction/Treatment
<b>Protection of Public Health &amp; Environment</b>	Not adequately protective of human health or the environment.	Potential exposures are mitigated through use of engineering and institutional controls and monitored for groundwater attenuation.	Most protective of human health and the environment.



Criteria	Commercial Use Alternatives		Unrestricted Use Alternative
	No Further Action	Institutional/Engineering Controls w/ Long-Term Monitoring	Soil Excavation/Disposal & Groundwater Extraction/Treatment
<b>Compliance with SCGs</b>	Does not comply with NYS groundwater standards or Part 375 SCOs.	Concentrations exceed SCGs, but would be monitored and Site use would be restricted.	Will mitigate groundwater and soil contamination.
<b>Long-Term Effectiveness/Permanence</b>	Not an effective or permanent long-term remedy.	Effective in the long-term; however, may not be a permanent Residual remedy. impacted soil and groundwater would need to be managed by Site Management Plan (SMP).	This is a permanent remedy; however, may be limited by existing site conditions such as underground utilities. Requires long-term O&M.
<b>Reduction of Toxicity, Mobility, or Volume</b>	Only natural attenuation of contaminants.	Only natural attenuation of contaminants.	Soil and groundwater contaminants will be removed and off-site migration limited.
<b>Short-Term Effectiveness/Permanence</b>	No short-term risks or adverse impacts.	No short-term risks or adverse impacts.	Increased risks during implementation need to be addressed by HASP and CAMP.
<b>Implementability</b>	Very easy	Moderate	Difficult
<b>Land Use</b>	Not a suitable remedy for intended commercial use.	Suitable remedy for intended commercial use.	Would allow any future land use, but may still require deed restrictions to address residual inaccessible contamination.
<b>Estimated Duration of Remedy</b>	0 years	Monitoring: 5 years Engineering/Institutional Controls: Unlimited (assume 30 years)	1-2 years O&M: 3 years

As shown in the matrix, the Unrestricted Use Alternative is the most permanent remedy, but also presents the most short-term risks to workers, is the most difficult to implement, and has the highest cost of all the alternatives evaluated. However, it is understood that the City of Rochester is not giving further consideration to unrestricted Site use and has selected Commercial Reuse as the only viable option for the Site.

The No Further Action alternative is not considered adequately protective of human health because it does not limit Site use, prevent potential exposures, or limit the use of Site groundwater as a drinking water source.

The Engineering/Institutional Controls with Long-Term Monitoring Alternative addresses potential future exposure concerns by requiring a cover over impacted soils and tracking groundwater contaminant degradation over time. This alternative accounts for source removal IRMs already completed; relies on the use of engineering/institutional controls to address widespread soil contamination from past industrial use of the Site; and assumes natural attenuation of contaminants over time to decrease residual groundwater impacts.

All of the alternatives may leave residual soil and groundwater contamination on the subject Site. Based on current Site conditions including being secured by fencing and vacant, it is concluded that no completed exposure pathways were identified in the exposure assessment with regard to soil or groundwater contamination.

### **9.3 Recommended Remedy**

No Further Action with Engineering/Institutional Controls and long-term monitoring is the recommended remedial alternative for this Site, based on the criteria in Section 8.1.2. This alternative would satisfy the RAOs developed for the Site and render the Site suitable for commercial use, including passive recreational uses. Additional soil and groundwater remedial efforts do not justify the exorbitant cost and short-term risks, considering that all exposure pathways can be eliminated through use of Engineering/Institutional Controls while still allowing full intended use of the Site.

# Tables

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CITY OF ROCHESTER - ORCHARD/WHITNEY SITE E828123  
SUMMARY OF NONVALIDATED ANALYTICAL RESULTS

Table 1-2 Subsurface Soil Metals, PCBs and Pesticides Results

Detected Parameters <sup>1</sup>	Unrestricted Use <sup>3</sup>	Commercial Use <sup>4</sup>	OW-S-MW-08 (9/23/08)	OW-S-MW-09 (9/24/08)	OW-S-MW-10 (9/25/08)	OW-S-MW-11 (9/26/08)	OW-S-MW-12 (9/26/08)	OW-S-MW-12D (9/26/08)	OW-S-MW-13 (9/29/08)	OW-S-MW-14 (9/29/08)	OW-S-MW-15 (9/29/08)	OW-S-MW-16 (10/1/08)	OW-S-MW-17 (10/1/08)	OW-S-MW-18 (10/1/08)	OW-S-MW-19 (10/2/08)	OW-S-MW-20 (10/2/08)	OW-S-MW-21 (10/2/08)	OW-S-MW-22 (10/6/08)
<b>EPA 6010- Metals<sup>2</sup></b>																		
Aluminum	-	-	7,490 EN	3,510 EN	3,390 EN	3,150 EN	3,670 EN	3,870 EN	3,260 EN	3,710	4,770	3,790	3,430	7,870	5,320	5,140	6,500	3,850 N
Antimony	-	-	23.4 NU*	16.1 NU*	17.8 NU*	14.9 NU*	17.9 NU*	16.3 NU*	18.6 NU*	17.8 NU	16.2 NU	19.2 NU	17.6 NU	18 NU	17.9 NU	21.4 NU	18 NU	17.4 NU
Arsenic	13	16	ND	ND	ND	2.4	2.4	2.6	2.7	ND	ND	ND	8.6	8.6	3.8	6.4	3.3	3.6
Barium	350	400	24.6 EN*	23.4 EN*	30.8 EN*	23.6 EN*	34.5 EN*	37.8 EN*	22.5 EN*	19.6	18.5	38	19.8	62.8	64.3	36.2	26.6	56.8
Beryllium	7.2	2,700	0.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.36	0.5	0.24	0.33	0.32	ND
Cadmium	2.5	9.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	-	-	2,830 E	47,300 E	40,500 E	56,400 E	43,900 E	32,400 E	58,700 E	30,200	6,620	59,700	131,000	158,000	54,600	36,400	38,000	45,00
Chromium	1	400	12.6	5.5	5.5	5.4	5.8	8.2	4.9	5.9 *	6.6 *	6.5 *	46 *	11.9 *	7.4 *	8.8 *	9.1 *	5.7
Cobalt	-	-	7.6	3.3	2.8	2.9	3.3	3.2	3.1	3.6	5.1	3.7	2.9	6.6	4.2	5	6.3	3.9
Copper	-	-	28.9	7.7	7.1	5.8	9.4	9.6	7.9	9.3 N*	11.5 N*	7.3 N*	9.9 N*	19.7 N*	9.5 N*	16.9 N*	22.9 N*	17.1 *
Iron	-	-	14,700 EN	8,140 EN	7,420 EN	7,740 EN	8,670 EN	8,520 EN	8,110 EN	9,720	10,000	9,300	10,800	18,700	10,600	13,100	12,200	9,380 *
Lead	63	1,000	8.4	3.9	2.4	3.6	3.3	3.2	3.3	2.9	4	3.4	13.2	14.2	3.6	10.1	6.3	5.9 *
Magnesium	-	-	3,950 E	10,200 E	9,310 E	17,300 E	12,700 E	7,580 E	14,300 E	6,410	4,240	12,300	19,600	42,500	8,850	9,350	7,810	9,670
Manganese	1600	10,000	135 E*	284 E*	267 E*	332 E*	342 E*	316 E*	325 E*	294	142	351	217	531	338	908	299	596 *
Mercury	0.18	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	30	310	19.6 E	7 E	6.3 E	6.5 E	6.9 E	7.2 E	6.6 E	8.8	10.9	8.2	5.5	13.6	8.9	9.8	13.3	7.1
Potassium	-	-	1,560	816	821	844	843	833	760	930	931	1,140	2,470	2,900	1,310	1,490	1,590	1,120 E
Selenium	3.9	1,500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	2	1,500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	-	-	ND	230	ND	ND	ND	167	ND	ND	ND	ND	217	477	296	445	ND	177
Vanadium	-	-	13.7 E	8.2 E	8 E	8.2 E	8.9 E	8.5 E	7.6 E	8.9	9.3	10	8.3	15.9	10.6	14.4	13.1	8.9
Zinc	109	10,000	73.6	17	17.1	13.1	19.4	20.2	14.7	40	45.3	17.2	12.5	38.1	22.5	42.4	47	32.6 E
<b>EPA 8082 - PCBs</b>																		
Aroclor 1254	100	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	100	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>EPA 8081 - Pesticides (none detected)</b>																		

1 - All values presented in micrograms per kilogram (ug/kg).  
2 - All values for metals are presented in milligrams per kilograms (mg/kg).  
3 - 6 NYCRR Part 375-6.8 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives  
4 - 6 NYCRR Part 375-6.8 - Table 375-6.8(b): Restricted Use Soil Cleanup Objectives  
ND- Not detected above reporting limit  
J- value is estimated  
D- all compounds identified in an analysis at secondary dilution factor  
M- matrix spike recoveries outside QC limits; matrix bias indicated  
E- value is estimated or not reported due to interference (for metals)  
N- spike sample recovery is not within QC limits (for metals)  
NU- Not detected (for metals)  
\*- spike or duplicate analysis is not within QC limits (for metals)  
Samples taken at 6-8 feet below grade

Value Exceeds Unrestricted SCOs  
 Value Exceeds Commercial Use SCOs

CITY OF ROCHESTER - ORCHARD/WHITNEY SITE E828123  
SUMMARY OF NONVALIDATED ANALYTICAL RESULTS

Table 1-2 Subsurface Soil Metals, PCBs and Pesticides Results

Detected Parameters	Unrestricted Use <sup>3</sup>	Commercial Use <sup>4</sup>	OW-S-SB-01 (9/23/08)	OW-S-SB-03 (9/24/08)	OW-S-SB-05 (9/25/08)	OW-S-SB-07 (9/25/08)	OW-S-SB-19 (10/3/08)	OW-S-SB-20 (10/6/08)	OW-S-TP-01A (10/1/08)	OW-S-TP-02 (10/2/08)	OW-S-TP-03 (10/2/08)	OW-S-TP-04 (10/2/08)	OW-S-TP-05A (10/2/08)	OW-S-TP-06 (10/2/08)	OW-S-TP-07 (10/2/08)	OW-S-TP-08 (10/2/08)	OW-S-TP-09 (10/2/08)	OW-S-TP-10 (10/2/08)
<b>EPA 6010- Metals<sup>2</sup></b>																		
Aluminum	-	-	3,400 EN	2,560 EN	3,710 EN	3,470 EN	3,750	2,820 N	5,240 EN	3,160 EN	4,770 EN	3,180 EN	4,790 EN	3,410 EN	6,480 EN	2,700 EN	3,050 EN	4,320 EN
Antimony	-	-	18.6 NU*	16.9 NU*	16.8 NU*	20.2 NU*	16.8 NU	16.7 NU	17.9 NU*	16.5 NU*	20.4 NU*	17.8 NU*	21.8 NU*	17 NU*	18.8 NU*	17 NU*	16.1 NU*	18.8 NU*
Arsenic	13	16	4.3	2.9	ND	9.1	ND	5.4	4.9 N	2.2 NU	5.1 N	3.6 N	2.9 NU	4.7 N	3.1 N	2.3 NU	2.1 NU	3.2 N
Barium	350	400	31 EN*	16.4 EN*	35 EN*	66.9 EN*	36.8	25.6	42.6 EN	15.8 EN	29.7 EN	18.7 EN	48.9 EN	42.3 EN	30.7 EN	24.6 EN	26.1 EN	35 EN
Beryllium	7.2	2,700	0.32	ND	ND	0.29	ND	0.27	0.24 NU	0.22 NU	0.27 NU	0.24 NU	0.29 NU	0.23 NU	0.25 NU	0.23 NU	0.21 NU	0.25 NU
Cadmium	2.5	9.3	ND	ND	ND	ND	ND	ND	0.24 NU	0.22 NU	0.27 NU	0.24 NU	0.29 NU	0.23 NU	0.25 NU	0.23 NU	0.21 NU	0.25 NU
Calcium	-	-	71,200 E	64,800 E	50,200 E	17,800 E	57,300	136,000	1,740 EN	1,690 EN	1,610 EN	102,000 EN	4,850 EN	56,900 EN	22,900 EN	50,000 EN	34,300 EN	28,300 EN
Chromium	1	400	8.5	4.8	7.6	7.3	584 *	4.9	7.1 EN	4.6 EN	7.4 EN	4.7 EN	7.1 EN	5.3 EN	9.1 EN	4.8 EN	4.2 EN	5.9 EN
Cobalt	-	-	3.9	2.6	3.2	2.4	3.6	3.7	5.1 N	2.2 N	5.9 N	2.8 N	3.9 N	3.1 N	6.7 N	2.6 N	2.6 N	4.1 N
Copper	-	-	31.1	13	8.8	24.8	7.7 N*	30.1 *	33.5 N	9.2 N	70.1 N	14.3 N	22.6 N	9.9 N	19.2 N	9.5 N	9.7 N	12.5 N
Iron	-	-	8,410 EN	7,620 EN	7,920 EN	11,600 EN	8,860	13,400 *	11,600 E	6,350 E	13,400 E	8,010 E	10,400 E	8,910 E	14,900 E	6,850 E	6,600 E	9,820 E
Lead	63	1,000	75.3	9.2	3.8	670	3.2	7.5 *	7.9 N	2.2 N	51.2 N	5 N	11.6 N	5 N	7.1 N	2.2 N	2.4 N	5.9 N
Magnesium	-	-	40,500 E	27,000 E	10,100 E	2,950 E	11,600	48,200	1,940 EN	1,280 EN	2110 EN	35,300 EN	2,710 EN	11,200 EN	8,200 EN	11,500 EN	6,840 EN	8,210 EN
Manganese	1600	10,000	219 E*	376 E*	277 E*	345 E*	404	1,170 *	1,080 E*	141 E*	223 E*	282 E*	250 E*	264 E*	236 E*	262 E*	328 E*	397 E*
Mercury	0.18	2.8	0.365	ND	ND	0.039	ND	ND	ND	ND	ND	ND	ND	0.031	ND	ND	ND	ND
Nickel	30	310	9 E	6.2 E	7.5 E	7.9 E	7.5	7.3	16.1 EN	7.1 EN	19.2 EN	5.7 EN	7 EN	6.7 EN	15.5 EN	5.9 EN	6.8 EN	8.7 EN
Potassium	-	-	1,030	863	825	683	1,010	1,280 E	1,280 EN	644 EN	1,460 EN	1,180 EN	1,390 EN	920 EN	922 EN	717 EN	751 EN	885 EN
Selenium	3.9	1,500	ND	ND	ND	ND	ND	ND	4.8 NU	4.4 NU	5.4 NU	4.8 NU	5.8 NU	4.5 NU	5 NU	4.5 NU	4.3 NU	5 NU
Silver	2	1,500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	-	-	ND	ND	ND	ND	471	208	ND	ND	ND	ND	ND	ND	209	ND	ND	ND
Vanadium	-	-	7.4 E	7.2 E	9 E	10.8 E	9.4	7.4	10.3 EN	6.3 EN	9.1 EN	8 EN	11.2 EN	8.3 EN	11.7 EN	8.1 EN	6.6 EN	9.2 EN
Zinc	109	10,000	143	23.6	18.6	52.7	16.2	50.5 E	48 EN	21.9 EN	98.8 EN	17.1 EN	50.3 EN	19.4 EN	61.5 EN	12.8 EN	17.5 EN	26.6 EN
<b>EPA 8082 - PCBs</b>																		
Aroclor 1254	100	1,000	66	ND	ND	ND	ND	ND	ND	44	ND	ND	ND	100	ND	ND	ND	ND
Aroclor 1260	100	1,000	9.5 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>EPA 8081 - Pesticides (none detected)</b>																		

1 - All values presented in micrograms per kilogram (ug/kg).  
 2 - All values for metals are presented in milligrams per kilograms (mg/kg).  
 3 - 6 NYCRR Part 375-6.8 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives  
 4 - 6 NYCRR Part 375-6.8 - Table 375-6.8(b): Restricted Use Soil Cleanup Objectives  
 ND- Not detected above reporting limit  
 J- value is estimated  
 D- all compounds identified in an analysis at secondary dilution factor  
 M- matrix spike recoveries outside QC limits; matrix bias indicated  
 E- value is estimated or not reported due to interference (for metals)  
 N- spike sample recovery is not within QC limits (for metals)  
 NU- Not detected (for metals)  
 \*- spike or duplicate analysis is not within QC limits (for metals)  
 Samples taken at 6-8 feet below grade



CITY OF ROCHESTER - ORCHARD/WHITNEY SITE E828123  
SUMMARY OF NONVALIDATED ANALYTICAL RESULTS

Table 1-2 Subsurface Soil Metals, PCBs and Pesticides Results

Detected Parameters <sup>1</sup>	Unrestricted Use <sup>3</sup>	Commercial Use <sup>4</sup>	OW-S-TP-11 (10/2/08)	OW-S-TP-14 (10/2/08)	OW-S-TP-15 (10/2/08)	OW-S-TP-17 (10/2/08)	OW-S-TP-18 (10/9/08)	OW-TP-19/25 (8-15') (3/18/11)	OW-TP-25/26-(17-20') (3/18/11)	OW-TP-28-8 (3/21/11)	OW-TP-29 Pipe contents (3/22/11)	OW-TP-29-7.5' (3/22/11)	OW-TP-31-9' (3/22/11)	OW-TP-32-0-6' (3/22/11)	OW-TP-32-11' (3/22/11)	OW-TP-35- Pipe contents (3/22/11)	OW-TP-35/37-11' (3/22/11)	OW-Berm-1 (3/22/11)
<b>EPA 6010- Metals<sup>2</sup></b>																		
Aluminum	-	-	2,130 EN	2,820 EN	5,110 EN	5,140 EN	10,300 N											
Antimony	-	-	18.2 NU*	17.4 NU*	19.2 NU*	17 NU*	19.6 NU											
Arsenic	13	16	2.4 NU	2.3 NU	4.2 N	3.3 N	7.8	8.21	2.24	2.01	4.23	1.86	5.42	16.6	2.68	28	4.78 D,M	7.58
Barium	350	400	15.8 EN	18.9 EN	29.7 EN	74.7 EN	1,570	240	38.1	33.8	31.4	28.8	59.3	455	327	3,487	57.6 D,M	1,040
Beryllium	7.2	2,700	0.24 NU	0.23 NU	0.26 NU	0.23 NU	0.52											
Cadmium	2.5	9.3	0.24 NU	0.23 NU	0.26 NU	0.23 NU	1.8	ND	ND	ND	ND	ND	0.975	5.51	ND	33.4	ND	0.567
Calcium	-	-	37,800 EN	40,200 EN	2,290 EN	3,380 EN	134,000											
Chromium	1	400	3.8 EN	4.6 EN	8.7 EN	6.9 EN	24.4	13.1	8.99	7.37	7.48	7	11.1	21.9	8.63	358	10.1 M	41.8
Cobalt	-	-	1.9 N	2.5 N	5 N	6.1 N	5											
Copper	-	-	6.2 N	7.9 N	15.9 N	5 N	455 *											
Iron	-	-	5,790 E	7,190 E	15,000 E	11,800 E	16,000 *											
Lead	63	1,000	1.8 N	3.4 N	11.9 N	7.7 N	651 *	91.1	8.19	2.59	8.19	2.02	7.47	334	2.74	7290	6.79 M	333
Magnesium	-	-	11,200 EN	12,300 EN	2,150 EN	2,140 EN	14,300											
Manganese	1600	10,000	225 E*	259 E*	177 E*	883 E*	378 *											
Mercury	0.18	2.8	ND	ND	ND	ND	0.071	0.0533	0.0702	0.0035 J	0.0162	ND	0.0252	1.19	0.0068 J	6.04	0.0118 D	0.0691 D
Nickel	30	310	4.2 EN	5.3 EN	10.4 EN	8 EN	14.2											
Potassium	-	-	536 EN	796 EN	1,060 EN	829 EN	2,110 E											
Selenium	3.9	1,500	4.9 NU	4.6 NU	5.1 NU	4.5 NU	ND	.532 J	.664 J	ND	ND	ND	0.834 J	ND	ND	ND	0.714 J,M	ND
Silver	2	1,500	ND	ND	ND	ND	0.83	ND	ND	ND	ND	ND	ND	ND	ND	3.61	ND	ND
Sodium	-	-	ND	ND	ND	ND	937											
Vanadium	-	-	7.1 EN	8 EN	12 EN	11.6 EN	19.7											
Zinc	109	10,000	11.1 EN	22.8 EN	62.5 EN	32.5 EN	1,150 E											
<b>EPA 8082 - PCBs</b>																		
Aroclor 1254	100	1,000	ND	ND	15 J	ND	470	191	ND	ND	71.3	ND	ND	ND	ND	4970	ND	131
Aroclor 1260	100	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>EPA 8081 - Pesticides (none detected)</b>																		

1 - All values presented in micrograms per kilogram (ug/kg).

2 - All values for metals are presented in milligrams per kilograms (mg/kg).

3 - 6 NYCRR Part 375-6.8 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives

4 - 6 NYCRR Part 375-6.8 - Table 375-6.8(b): Restricted Use Soil Cleanup Objectives

ND- Not detected above reporting limit

J- value is estimated

D- all compounds identified in an analysis at secondary dilution factor

M- matrix spike recoveries outside QC limits; matrix bias indicated

E- value is estimated or not reported due to interference (for metals)

N- spike sample recovery is not within QC limits (for metals)

NU- Not detected (for metals)

\*- spike or duplicate analysis is not within QC limits (for metals)

Samples taken at 6-8 feet below grade

Value Exceeds Unrestricted SCOs  
 Value Exceeds Commercial Use SCOs

CITY OF ROCHESTER - ORCHARD/WHITNEY SITE E828123  
SUMMARY OF NONVALIDATED ANALYTICAL RESULTS

Table 1-3 Pre IRM Plating Area Subsurface Soil Results (AOC-2)

Detected Parameters <sup>1</sup>	Unrestricted Use <sup>2</sup>	Commercial Use <sup>3</sup>	Protection of Groundwater <sup>4</sup>	OW-PA01-	OW-PA01-	OW-PA02-	OW-PA04-	OW-PA05-	OW-PA05-	OW-PA07-	OW-PA08-	OW-PA09-	OW-PA09-	OW-PA10-	OW-PA10-	OW-PA11-
				(8.5-11.5')	(33-35')	(8.5-9')	(8-10')	(5-7.5')	(11-13')	(7-9.5')	(8.5-9.5')	(4-6')	(9-11')	(7-8')	(11.5-13.5')	(4-6')
Sample Date:				7/5/2011	7/5/2011	7/6/2011	7/7/2011	7/7/2011	7/7/2011	7/8/2011	7/8/2011	7/11/2011	7/11/2011	7/11/2011	7/11/2011	7/11/2011
<b>RCRA Metals</b>																
Arsenic	13	16	NA	3.15	1.51	7.38	1.68	5.78	2.14	7.27	2.18	17	2.14	13.00	1.42	12.20
Barium	350	400	NA	47.0	18.0	31.5	32.0	44.9	32.5	48.3	35.3	108	30.6	40.4	29	72.6
Cadmium	2.5	9.3	NA	0.773	<0.56	<0.494	<0.506	2.34	<0.535	6.59	60.3	7.31	0.389 J	2.92	<0.508	8
Chromium (Cr <sup>+6</sup> )	1	400	19	11	5.32	7.79	7.55	255**	244**	19**	17.4	79.1**	128**	561**	263**	27.6**
Lead	63	1,000	NA	3.32	1.63	1.11	2.19	7.56	3.01	28.6	<1.04	13.9	2.11	6.39	2.26	41.8
Total Mercury	0.18	2.8	NA	0.0103	<0.0081	0.0064 J	<0.0089	0.0088 J	<0.009	0.0049 J	<0.0076	0.0188	<0.0062 J	0.0098	<0.0075	0.0141
Selenium	3.9	1,500	NA	<1.02	2.16	<0.989	0.714 J	<1.09	<1.07	<1.08	<1.04	<1.10	<1.06	<1.08	<1.01	<1.14
Silver	2	1,500	NA	<1.02	<1.13	<0.989	<1.01	<1.09	<1.07	<1.08	<1.04	0.647 J	<1.06	<1.08	<1.02	<1.14

Detected Parameters <sup>1</sup>	Unrestricted Use <sup>2</sup>	Commercial Use <sup>3</sup>	Protection of Groundwater <sup>4</sup>	OW-PA11-	OW-PA11-	OW-PA12-	OW-PA12-	OW-PA13-	OW-PA13-	OW-PA14-	OW-PA14-	OW-PA15-	OW-PA15-	OW-PA16-	OW-PA17-	OW-PA18-	
				(4-6')Dup	(9.5-11.5')	(0.5-2')	(9-11')	(2-4')	(11-12')	(10.5-12')	(15-16')	(7-9')	(11-13')	(10.5-12')	(12-14')	(7.5-9.5')	
Sample Date:				7/11/2011	7/11/2011	7/12/2011	7/12/2011	7/12/2011	7/12/2011	7/13/2011	7/13/2011	7/13/2011	7/13/2011	7/13/2011	7/13/2011	7/14/2011	7/14/2011
<b>RCRA Metals</b>																	
Arsenic	13	16	NA	9.43	1.51	7.12	0.626 J	6.64	0.786 J	1.15	1.03	3.61	2.28 DM	1.36	1.06	7.11	
Barium	350	400	NA	87.4	47.4	55.7	28.1	40.2	39.3	24.9	25.7	63.8	24.7 DM	34.7	26.3	39.4	
Cadmium	2.5	9.3	NA	6.27	<0.513	12.3	<0.445	1.88	<0.539	<0.532	<0.471	1.97	<0.549 M	23.8	<0.465	0.436 J	
Chromium (Cr <sup>+6</sup> )	1	400	19	28.7**	14.4	170**	6.76 B	27.9**	7.69 B	737**	24.1**	107**	7.51 BM	30.1**	7.12	11.2	
Lead	63	1,000	NA	43.4	4.06	14.3	2.84	10.6	2.71	1.59	2.06	22.8	2.57 M	3.12	2.38	11.7	
Total Mercury	0.18	2.8	NA	0.0129	0.0049 J	0.0544	<0.0075	0.0166	<0.0084	<0.0079	<0.0085	0.0075 J	<0.0085	0.0292	<0.0083	0.0074 J	
Selenium	3.9	1,500	NA	<1.13	<1.03	<0.96	<0.89	<0.982	0.828 J	<1.06	<0.941	1.04 J	<1.1	<1.04	1.92	1.21 J	
Silver	2	1,500	NA	<1.13	<1.03	<0.96	<0.89	<0.982	<1.08	<1.06	<0.941	<1.09	<1.1	<1.04	1.06	<1.28	

1 - All values presented in milligrams per kilogram (mg/Kg).  
2 - 6 NYCRR Part 375-6.8 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives  
3 - 6 NYCRR Part 375-6.8 - Table 375-6.8(b): Restricted Use Soil Cleanup Objectives  
4- protection of GW  
<- analyzed for but not detected at or above reporting limit  
J- Analyte detected below the laboratory quantitation limit  
D- Duplicate results outside QC limits. May indicate a non-homogenous matrix  
M- Matrix spike recoveries outside QC limits; matrix bias indicated  
B- Method blank contained trace levels of analyte

Value Exceeds Unrestricted SCOs  
Value Exceeds Commercial Use SCOs  
\*\* Value Exceeds Protection of Groundwater Standards

CITY OF ROCHESTER - ORCHARD/WHITNEY SITE E828123  
SUMMARY OF NONVALIDATED ANALYTICAL RESULTS

Table 2 - Surface Soil Results

Detected Parameters <sup>1</sup>	Unrestricted Use <sup>2</sup>	Commercial Use <sup>3</sup>	OW-S-SS-01 (10/14/08)	OW-S-SS-02 (10/14/08)	OW-S-SS-03 (10/14/08)	OW-S-SS-04 (10/14/08)
<b>EPA 8260 - Volatile Organics</b>						
Methylene chloride	50	500,000	15	ND	ND	3 J
<b>EPA 8270- Semi-Volatile Organics</b>						
Acenaphthene	20,000	500,000	ND	110 J	450 J	930 J
Acenaphthylene	100,000	500,000	ND	190 J	200 J	1,500 J
Anthracene	100,000	500,000	ND	ND	1,100 J	2,900 J
Benzo(a)anthracene	1,000	5,600	2,400	1,300	3,200	8,900 J
Benzo(a)pyrene	1,000	1,000	2,000 J	1,500 J	3,400	9,500 J
Benzo(b)fluoranthene	1,000	5,600	2,800 J	1900.00	4,000	12,000 J
Benzo(ghi)perylene	100,000	500,000	1,400 J	940 J	2,100	5,000 J
Benzo(k)fluoranthene	800	56,000	1,100 J	780 J	2,100	5,200 J
Bis(2-ethylhexyl) phthalate	-	-	ND	ND	950 J	ND
Butyl benzyl phthalate	-	-	ND	960 J	780 J	ND
Carbazole	-	-	ND	280 J	890 J	2900 J
Chrysene	1,000	56,000	2,400 J	1,400 J	3,500	9,900 J
Di-n-butyl phthalate	-	-	ND	ND	1,200 J	ND
Di-n-octyl phthalate	-	-	ND	95 J	99 J	1,600 J
Dibenzo(a,h)anthracene	330	560	ND	220 J	620 J	ND
Dibenzofuran	-	-	ND	89 J	350 J	1,600 J
Fluoranthene	100,000	500,000	4,800 J	3,200	7,500	23,000
Fluorene	30,000	500,000	ND	ND	480 J	2,100 J
Indeno(1,2,3-cd)pyrene	500	5,600	1,100 J	800 J	1,900	4,600 J
Naphthalene	12,000	500,000	ND	ND	240 J	ND
Phenanthrene	100,000	500,000	2,200 J	2,200	5,800	21,000
Pyrene	-	-	3,600 J	2,300	5,600	16,000 J
<b>Metals</b>						
Aluminum	-	-	2,240	4,480	5,250	5,130
Arsenic	13	16	15.3	3.3	8.4	8.2
Barium	350	400	49.1	70	792	90.8
Beryllium	7.2	2,700	ND	0.23	0.34	0.3
Cadmium	2.5	9.3	1.7	0.86	4.3	17.4
Calcium	-	-	97,800	31,700	19,700	9,650
Chromium	1	400	13.1	10.4	37.9	16.6
Cobalt	-	-	2.8	3.9	5.5	5.4
Copper	-	-	68	52.4	159	83.7
Iron	-	-	15,600	13,700	15,000	18,600
Lead	63	1,000	175	124	594	408
Magnesium	-	-	40,200	11,500	7,620	3,790
Manganese	1600	10,000	296	325	535	388
Mercury	0.18	2.8	0.081 N	0.093 N	0.435 N	0.515 N
Nickel	30	310	10.7	10	15.7	14.1
Potassium	-	-	703	806	1,100	535
Silver	2	1,500	1.1	0.59	1.6	5
Sodium	-	-	268	ND	241	ND
Vanadium	-	-	14.3	10	16.3	17.6
Zinc	109	10,000	869	269	2,590	778
<b>EPA 8082 - PCBs</b>						
Aroclor 1254	100	-	70 B	55 B	320 B	ND
Aroclor 1260	100	-	ND	ND	ND	ND
<b>EPA 8081 - Pesticides (none detected above laboratory detection limits)</b>						

1 - All values presented in micrograms per kilogram (ug/Kg).  
 2 - 6 NYCRR Part 375-6.8 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives  
 3 - 6 NYCRR Part 375-6.8 - Table 375-6.8(b): Restricted Use Soil Cleanup Objectives  
 ND- Not detected above reporting limit  
 J- value is estimated  
 M- matrix spike recoveries outside QC limits; matrix bias indicated  
 N- spike sample recovery is not within QC limits (for metals)

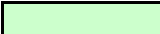

 Value Exceeds Unrestricted SCOs  
 Value Exceeds Commercial Use SCOs

Table 3 Pre IRM Plating Area Groundwater Results (August 2011)

CITY OF ROCHESTER - ORCHARD/WHITNEY SITE E828123  
SUMMARY OF NONVALIDATED ANALYTICAL RESULTS

Detected Parameters <sup>1</sup>	NYS Groundwater Standard Class GA <sup>2</sup>	OW-PA-01 (8/15/11)	OW-PA-02 (8/15/11)	OW-PA-03 (8/15/11)	OW-PA-04 (8/15/11)	OW-PA-07 (8/15/11)	OW-PA-08S (8/15/11)	OW-PA-08D (8/15/11)	OW-PA-09 (8/15/11)	OW-PA-10S (8/15/11)	OW-PA-10D (8/15/11)	OW-PA-11 (8/15/11)	OW-PA-12 (8/15/11)	OW-PA-13 (8/15/11)	OW-PA-14 (8/15/11)	OW-PA-15S (8/15/11)	OW-PA-15D (8/15/11)
EPA SW846 3005/6010- RCRA Metals																	
Arsenic	25	ND	5.3 J	ND	8.2 J	ND	ND	ND	ND	ND	ND	6.5 J	ND	ND	ND	6.4 J	ND
Barium	1000*	ND	57.5 J	63.1 J	ND	ND	ND	ND	ND	ND	ND	ND	90.3 J	ND	136	65.3 J	190
Cadmium	5	ND	ND	ND	ND	ND	3.2 J	ND	ND	7.1	ND	ND	9.3	ND	ND	ND	ND
Chromium	50	ND	38	ND	183	238	1,190	17	8,030	23,500	196	4,770	39.9	15.2	16,600	66	137
Lead	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.8 J	ND	ND	ND	ND
Mercury	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.1 J	ND	ND
Selenium	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Value exceeds NYS Ambient Groundwater Standard or applicable NYSDEC Guidance Value

J - compound detected below the laboratory quantitation limit

B - compound detected in associated method blank

1 - All values presented in micrograms per liter (ug/L).

2 - NYS Ambient Groundwater Standard (6 NYCRR Part 703.5)

\* - NYSDEC Guidance Value (TOGS 1.1.1)











# Figures

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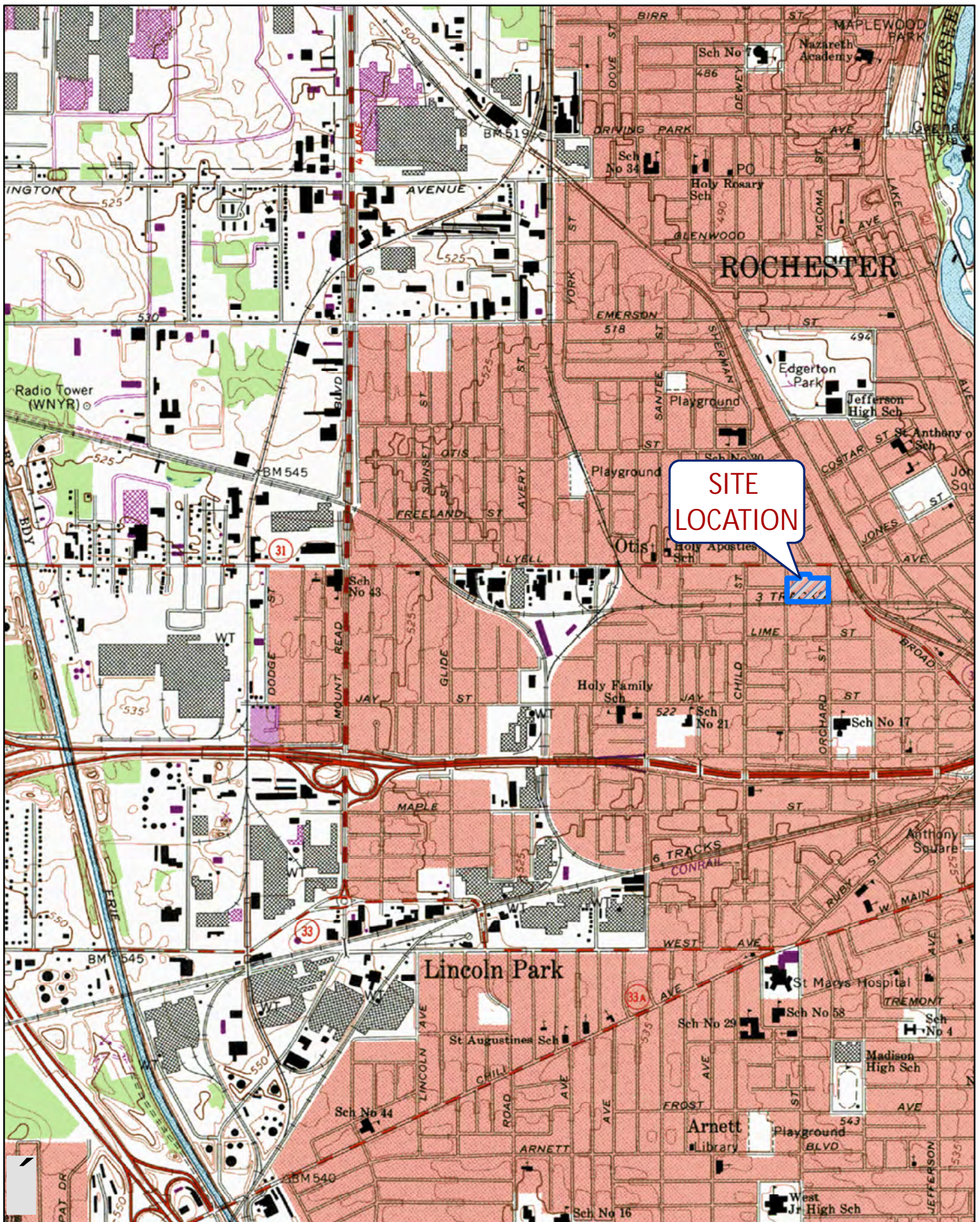
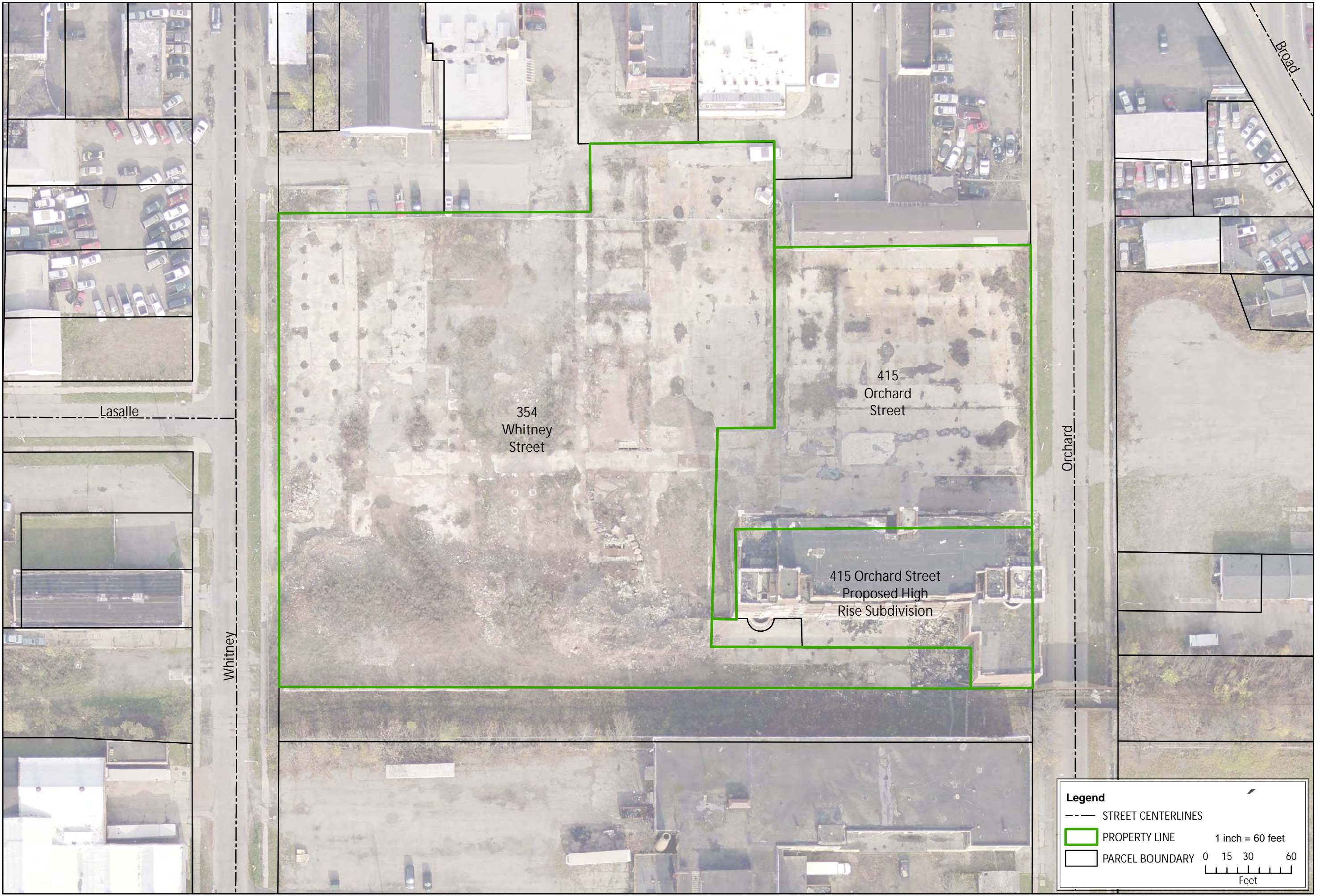


FIGURE 1  
 SITE LOCATION PLAN  
 ERP SITE #E828123  
 ROCHESTER, NY



**Legend**

- STREET CENTERLINES
- PROPERTY LINE
- PARCEL BOUNDARY

1 inch = 60 feet

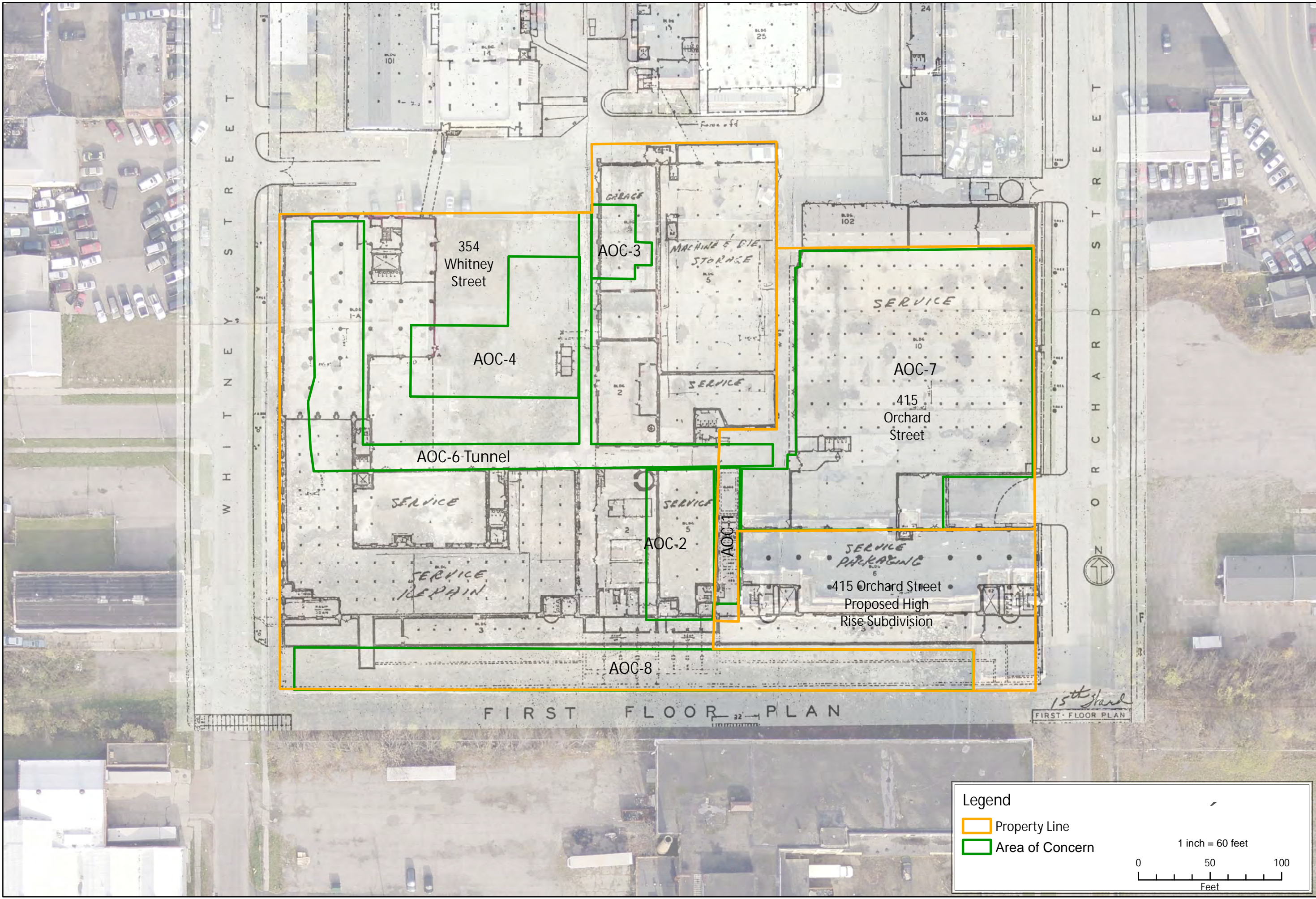
0 15 30 60  
Feet

DATE: OCTOBER 2013  
 SCALE: 1 Inch = 60 Feet  
 DRAWN/CHECKED: GLA/SMK  
 DATA SOURCE: PICTOMETRY



FIGURE 2  
 ORCHARD WHITNEY - SITE PLAN  
 ERP SITE #E828123  
 ROCHESTER, NY





**Legend**

- Property Line
- Area of Concern

1 inch = 60 feet

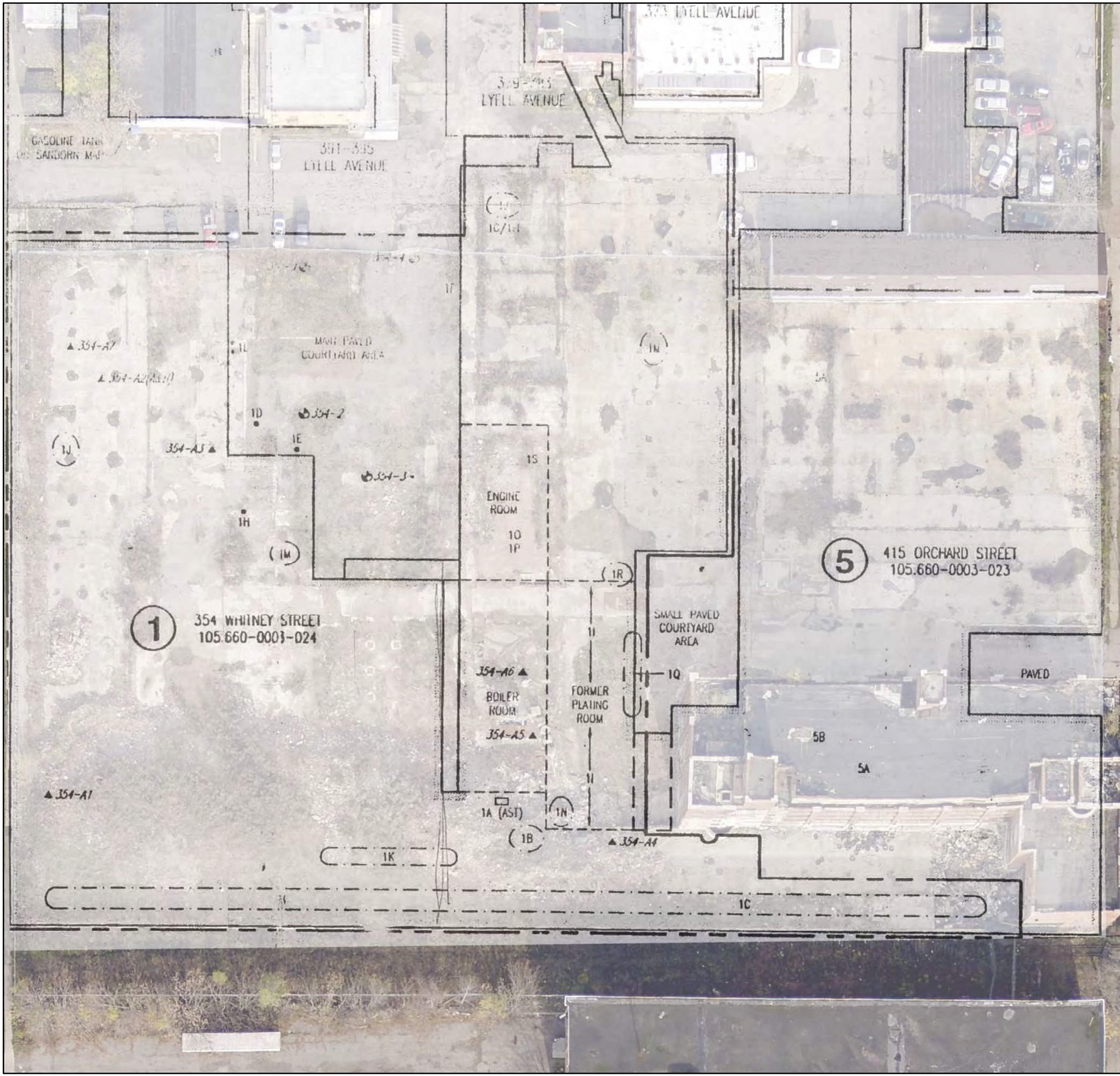
0      50      100  
Feet

DATE: OCTOBER 2013  
 SCALE: 1 inch = 60 Feet  
 DRAWN/CHECKED: SMK/GLA  
 DATA SOURCE: PICTOMETRY



FIGURE 3  
 AOC LOCATION MAP WITH HISTORICAL SITE PLAN OVERLAY  
 ERP SITE #E828123  
 ROCHESTER, NY





**NOTE:**  
 SITE PLAN PRODUCED FROM A SET OF TAX MAPS AND A GIS MAP OF THE CITY OF ROCHESTER, DATED DECEMBER 10, 1998, PROVIDED BY THE CITY OF ROCHESTER, AND SHOULD BE CONSIDERED ACCURATE TO THE DEGREE IMPLIED BY THE METHOD USED.

- LEGEND**
- ASSESSED PROPERTY LINE
  - PARCEL BOUNDARY LINE
  - AS1 ABOVEGROUND STORAGE TANK
  - US1 UNDERGROUND STORAGE TANK
  - W 354-1 APPROXIMATE MONITORING WELL LOCATION
  - A 406-A1 APPROXIMATE ASBESTOS SAMPLE LOCATION
  - BUILDING
  - ④ PARCEL NUMBER

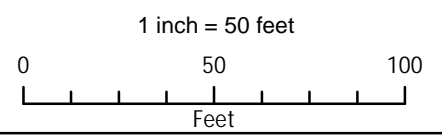
**154 WHITNEY STREET**

- 1A 275 GALLON ABOVEGROUND STORAGE TANK
- 1B LOCATION OF APPARENT COAL PILE & ORANGE LEACHATE
- 1C SUSPECT ASBESTOS CEILING NOTED IN SANBORN MAPS
- 1D FORMER GASOLINE UNDERGROUND STORAGE TANK LOCATION
- 1E FORMER GASOLINE PUMP LOCATION
- 1F SUSPECT VENT PIPE OF UNKNOWN PURPOSE
- 1G FORMER IN-GROUND LIFT (FILLED IN-PLACE)
- 1H FLOOR DRAIN LOCATION
- 1I TRENCH DRAIN LOCATION (FILLED IN-PLACE)
- 1J FORMER DRUMS/CONTAINERS ON SECOND FLOOR (REMOVED BY USEPA)
- 1K FORMER DRUMS/CONTAINERS IN FIRST FLOOR TUNNEL AREA (REMOVED BY USEPA)
- 1L TWO UNKNOWN PIPES
- 1M FORMER DRUMS/CONTAINERS ON FIRST FLOOR (REMOVED BY USEPA)
- 1N DRUM RING MARKS ON CONCRETE FLOOR - FIRST FLOOR
- 1O SUSPECT PCB-CONTAINING ELECTRICAL EQUIPMENT
- 1P CRUSHED DRUM IN BASEMENT
- 1Q PIPES, VENT PIPES AND MANHOLE/FILL PORTS FOR POSSIBLE WASTEWATER TREATMENT SYSTEM OR UNDERGROUND STORAGE TANKS
- 1R THREE POSSIBLE WASTEWATER TREATMENT SYSTEM OR UNDERGROUND STORAGE TANKS WITH SIX METAL PLATES/CAPS
- 1S STAINED CONCRETE FLOOR INSIDE SUSPECTED FORMER TRANSFORMER VAULT

**415 ORCHARD STREET**

- 2A SUSPECT VENT PIPE TO UNDERGROUND STORAGE TANK
- 2B DRUMS/CONTAINERS ON THIRD FLOOR (2 DRUMS LABELED AS CONTAINING PERCHLOROETHYLENE)
- 2C TRENCH DRAINS (90% ± FILLED IN-PLACE)
- 2D SECOND FLOOR FLAMMABLE STORAGE ROOM WITH CONTAINERS AND DRUMS, EVIDENCE OF LEAKAGE/SPILLAGE ON CONCRETE FLOOR
- 2E TRANSFORMERS

Note: Previous investigation mapping from DAY Environmental Inc. Phase I ESA 354 Whitney st. 367,370,406, and 415 Orchard street. Dated 12/20/00

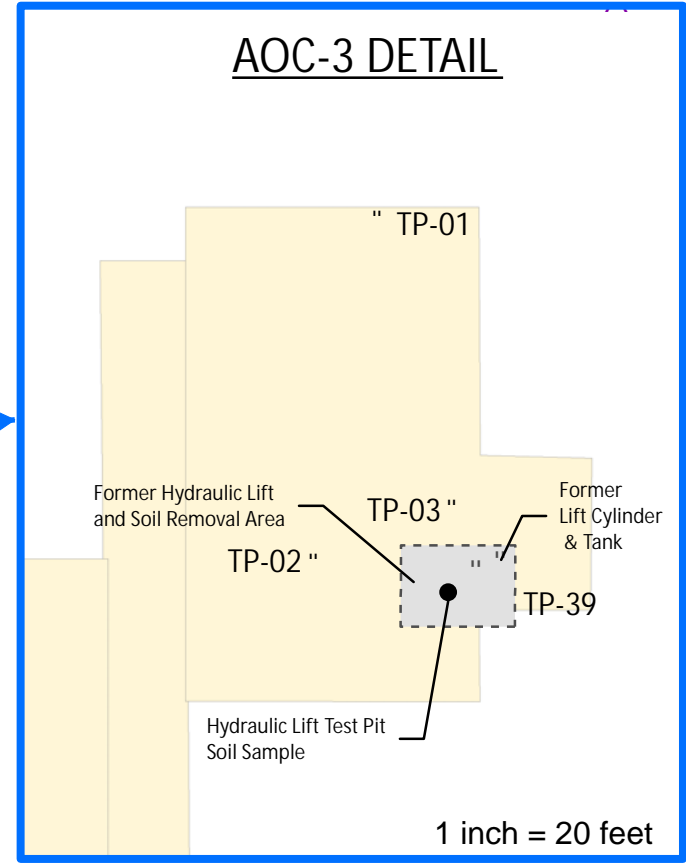
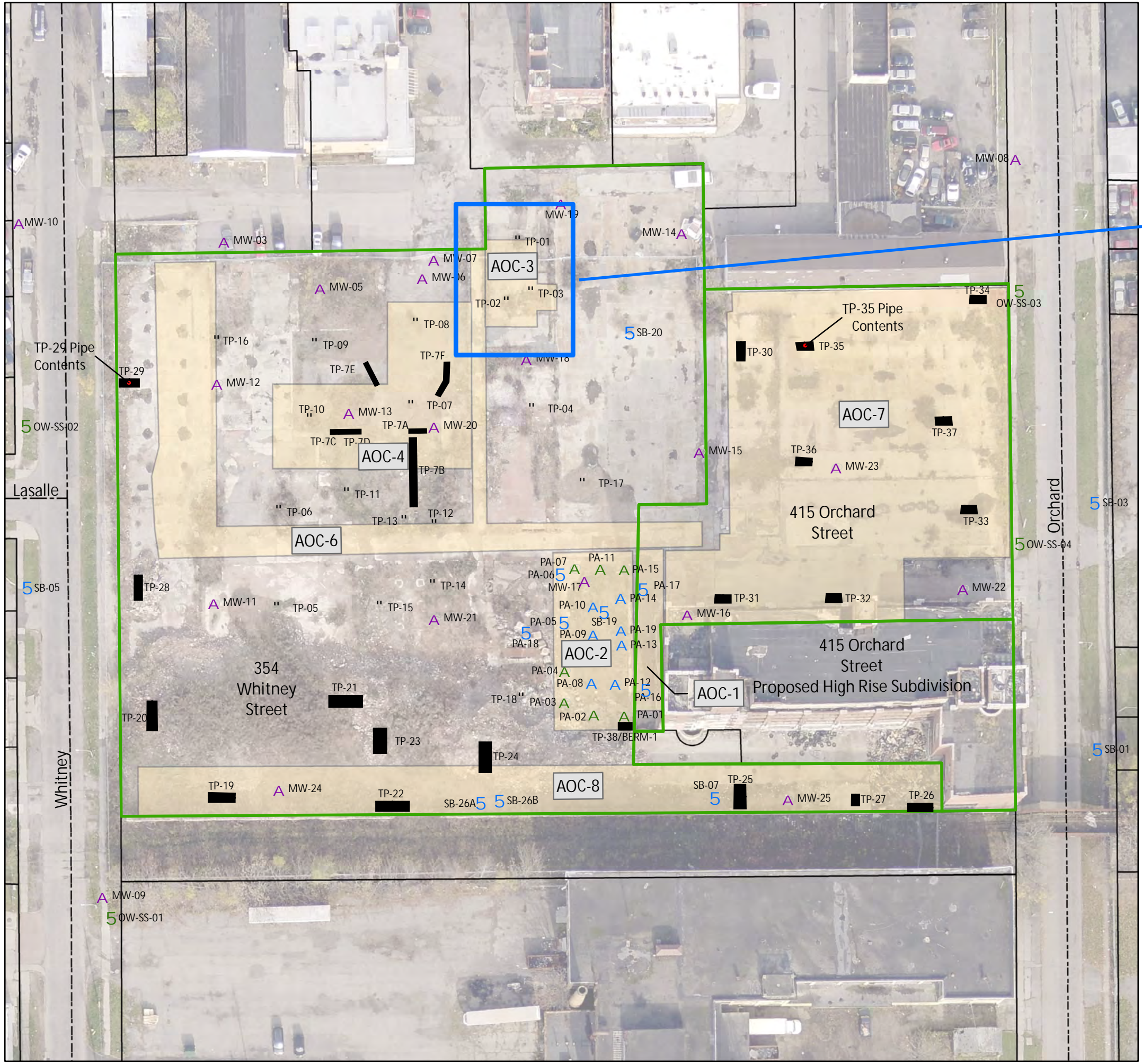


DATE: OCTOBER 2013  
 SCALE: 1 Inch = 50 Feet  
 DRAWN/CHECKED: SMK/GLA  
 DATA SOURCE: PICTOMETRY



FIGURE 4  
 PREVIOUS INVESTIGATION FINDINGS  
 ERP SITE #E828123  
 ROCHESTER, NY





#### AOC DESCRIPTIONS

- AOC-1: UNDERGROUND STORAGE TANKS
- AOC-2: FORMER METAL PLATING AREA
- AOC-3: ABANDONED HYDRAULIC LIFT
- AOC-4: FORMER GASOLINE STORAGE DISPENSER
- AOC-5: SITEWIDE DRAINAGE SYSTEMS (NOT MAPPED)
- AOC-6: UNDERGROUND TUNNELS AND BURIED UTILITIES
- AOC-7: FORMER "LOW-RISE"
- AOC-8: FORMER COAL STORAGE

#### Legend

<span style="color: purple;">▲</span> MONITORING WELL	--- STREET CENTERLINES
<span style="color: green;">▲</span> PLATING AREA 1-INCH WELL	<span style="border: 2px solid green; display: inline-block; width: 20px; height: 10px;"></span> PROPERTY LINE
<span style="color: blue;">▲</span> PLATING AREA 2-INCH WELL	<span style="border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> PARCEL BOUNDARY
<span style="color: blue;">5</span> SOIL BORING	<span style="background-color: yellow; display: inline-block; width: 20px; height: 10px;"></span> AREA OF CONCERN
<span style="color: green;">5</span> SOIL SAMPLE	<span style="border: 1px dashed black; display: inline-block; width: 20px; height: 10px;"></span> EXCAVATION LIMITS
" TEST PIT	

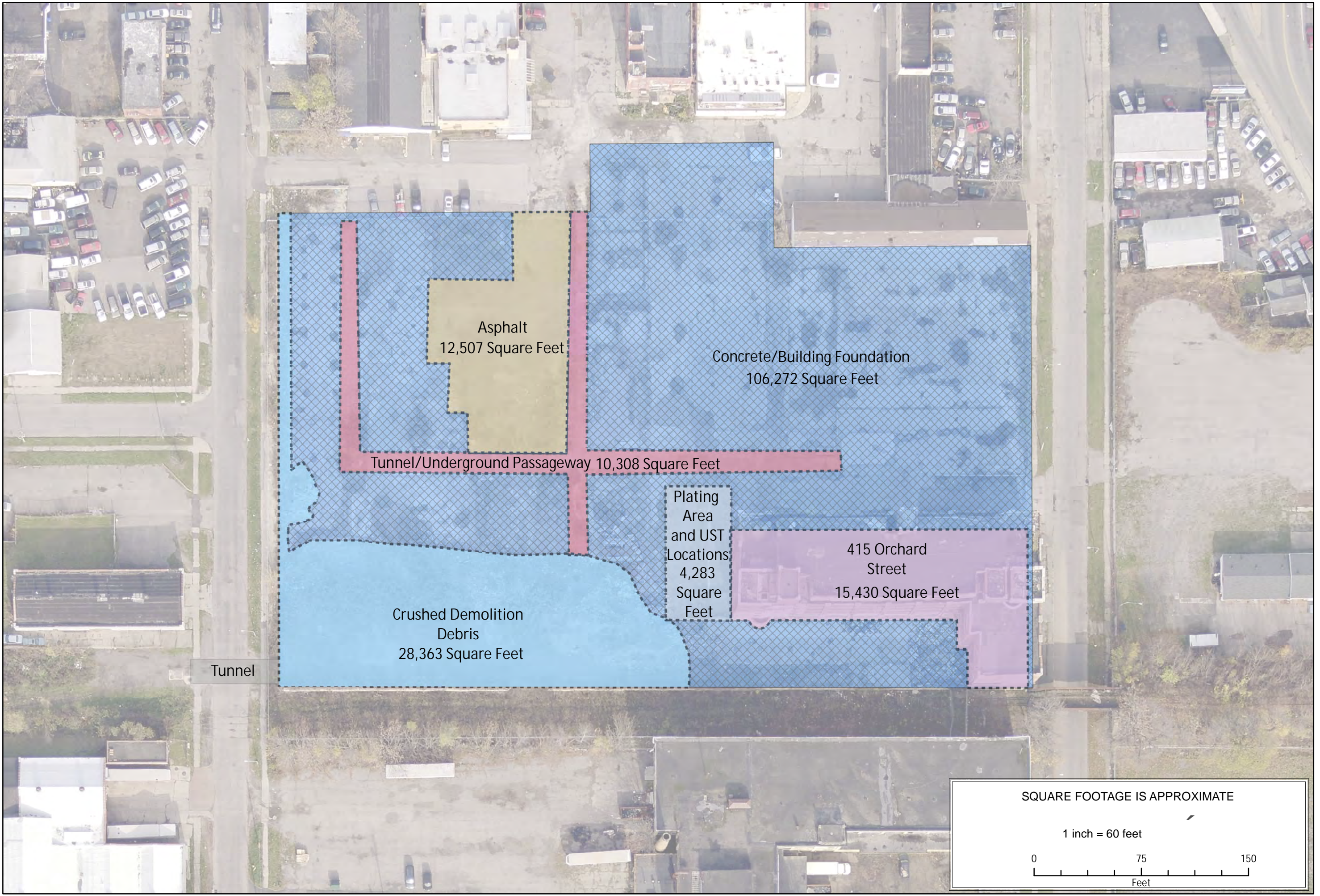
1 inch = 60 feet

DATE: OCTOBER 2013  
 SCALE: 1 Inch = 60 Feet  
 DRAWN/CHECKED: GLA/DLS/SMK  
 DATA SOURCE: PICTOMETRY



FIGURE 5  
 SAMPLE LOCATION PLAN AND AOC DETAIL  
 ERP SITE #E828123  
 ROCHESTER, NY





Asphalt  
12,507 Square Feet

Concrete/Building Foundation  
106,272 Square Feet

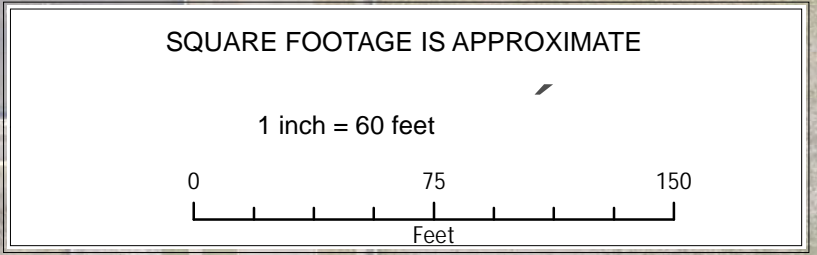
Tunnel/Underground Passageway  
10,308 Square Feet

Plating  
Area  
and UST  
Locations  
4,283  
Square  
Feet

Crushed Demolition  
Debris  
28,363 Square Feet

415 Orchard  
Street  
15,430 Square Feet

Tunnel

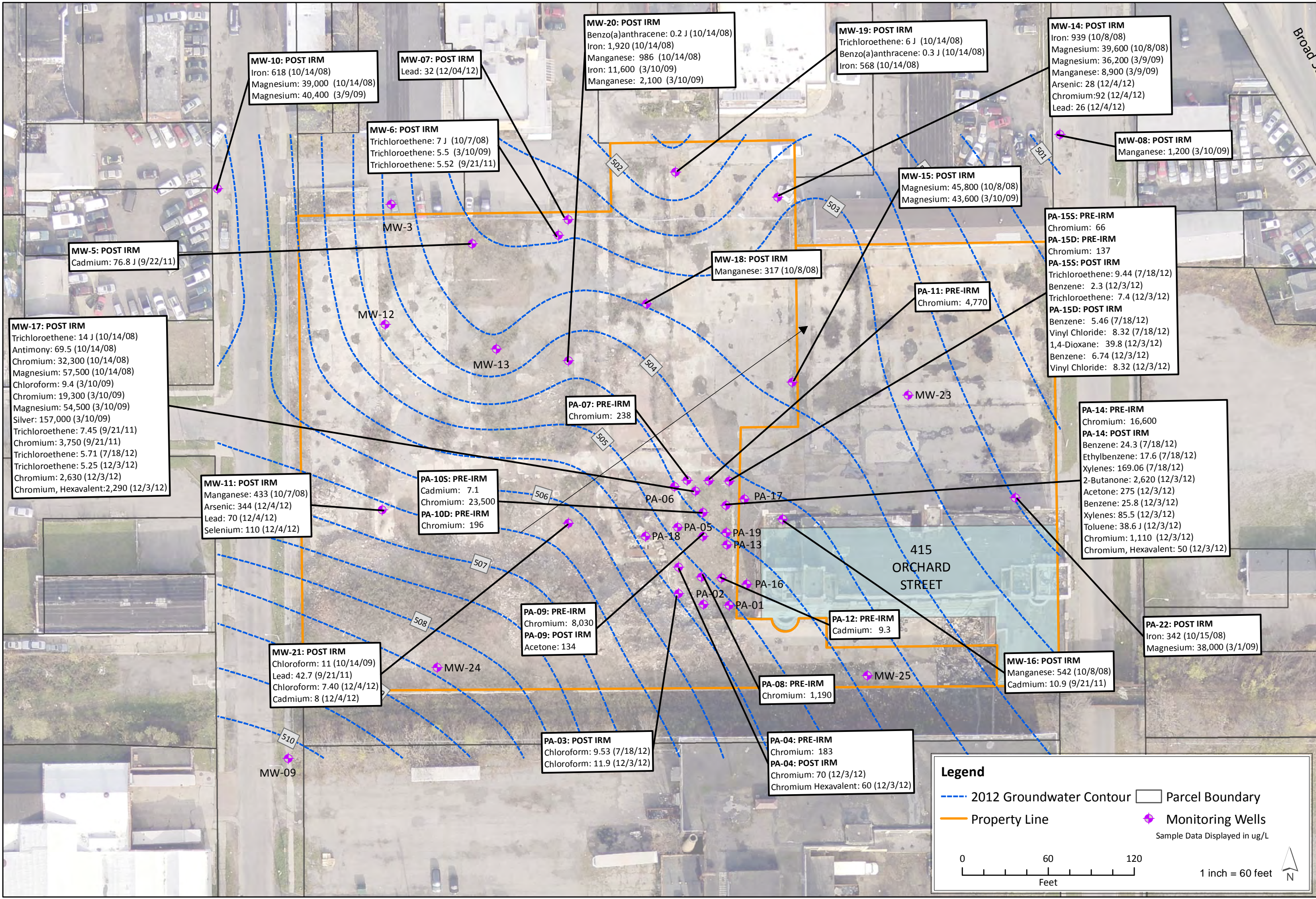


DATE: OCTOBER 2013  
SCALE: 1 inch = 60 Feet  
DRAWN/CHECKED: SMK/GLA  
DATA SOURCE: PICTOMETRY



FIGURE 6  
SURFACE COVER  
ERP SITE #E828123  
ROCHESTER, NY





DATE: OCTOBER 2013  
SCALE: 1 inch = 60 Feet  
DRAWN/CHECKED: SMK/GLA  
DATA SOURCE: PICTOMETRY



FIGURE 7  
2012 GROUNDWATER COUNTOURS AND EXCEEDANCE  
ERP SITE #E828123  
ROCHESTER, NY





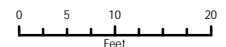


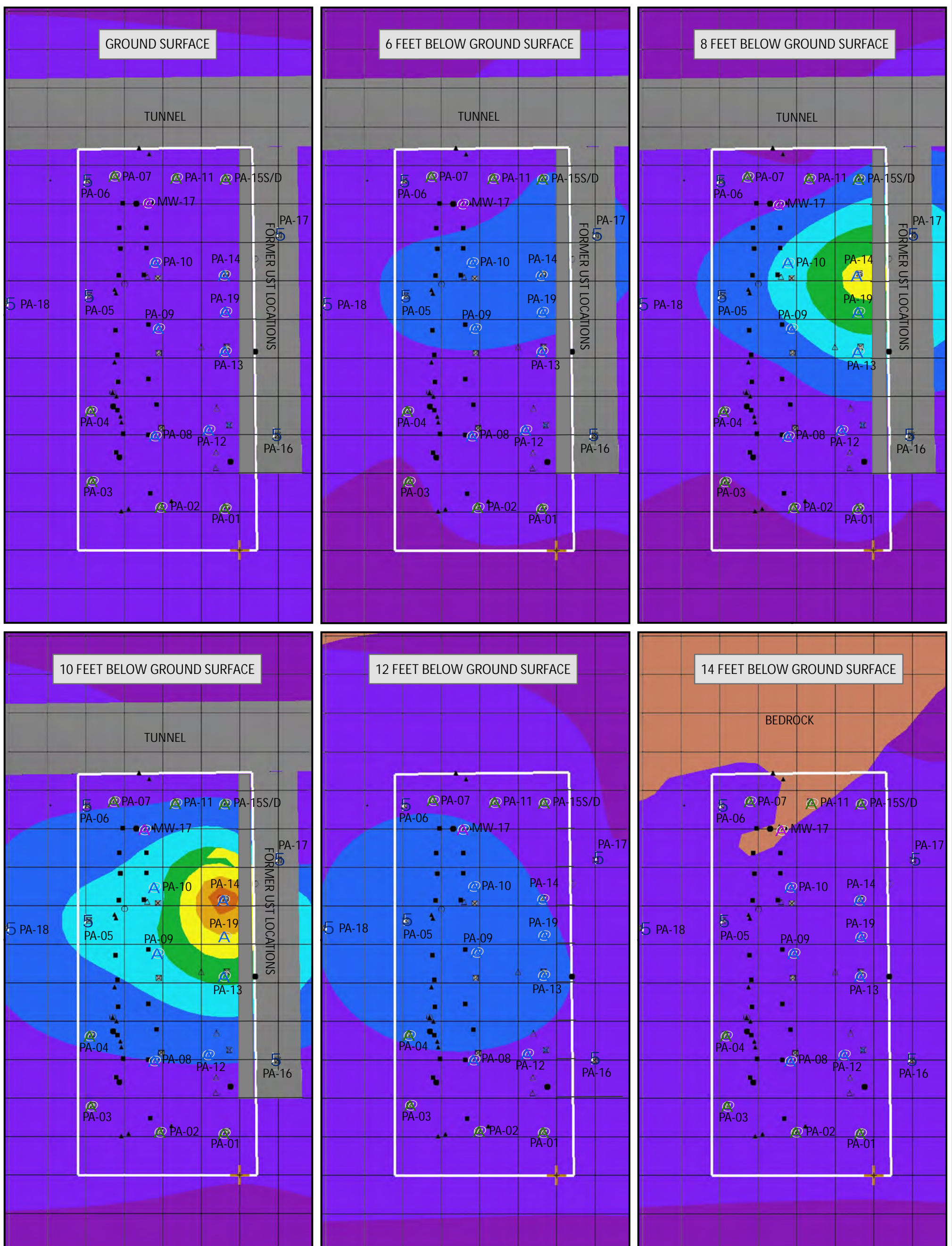
**Legend**

- ▲ MONITORING WELL      ▲ PLATING AREA 2-INCH WELL      5 SOIL SAMPLE      ▣ DUST VAULT
- ▲ PLATING AREA 1-INCH WELL      5 SOIL BORING      " TEST PIT      ▣ PLATING AREA

1 inch = 20 feet

Samples indicated exceed commercial reuse criteria except when marked with "\*\*\*" indicating that the sample exceeds protection of groundwater standards for chromium



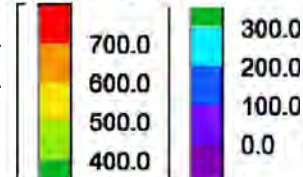


## Legend

- MONITORING WELL
- PLATING AREA 1-INCH WELL
- PLATING AREA 2-INCH WELL
- SOIL BORING

### Property color key

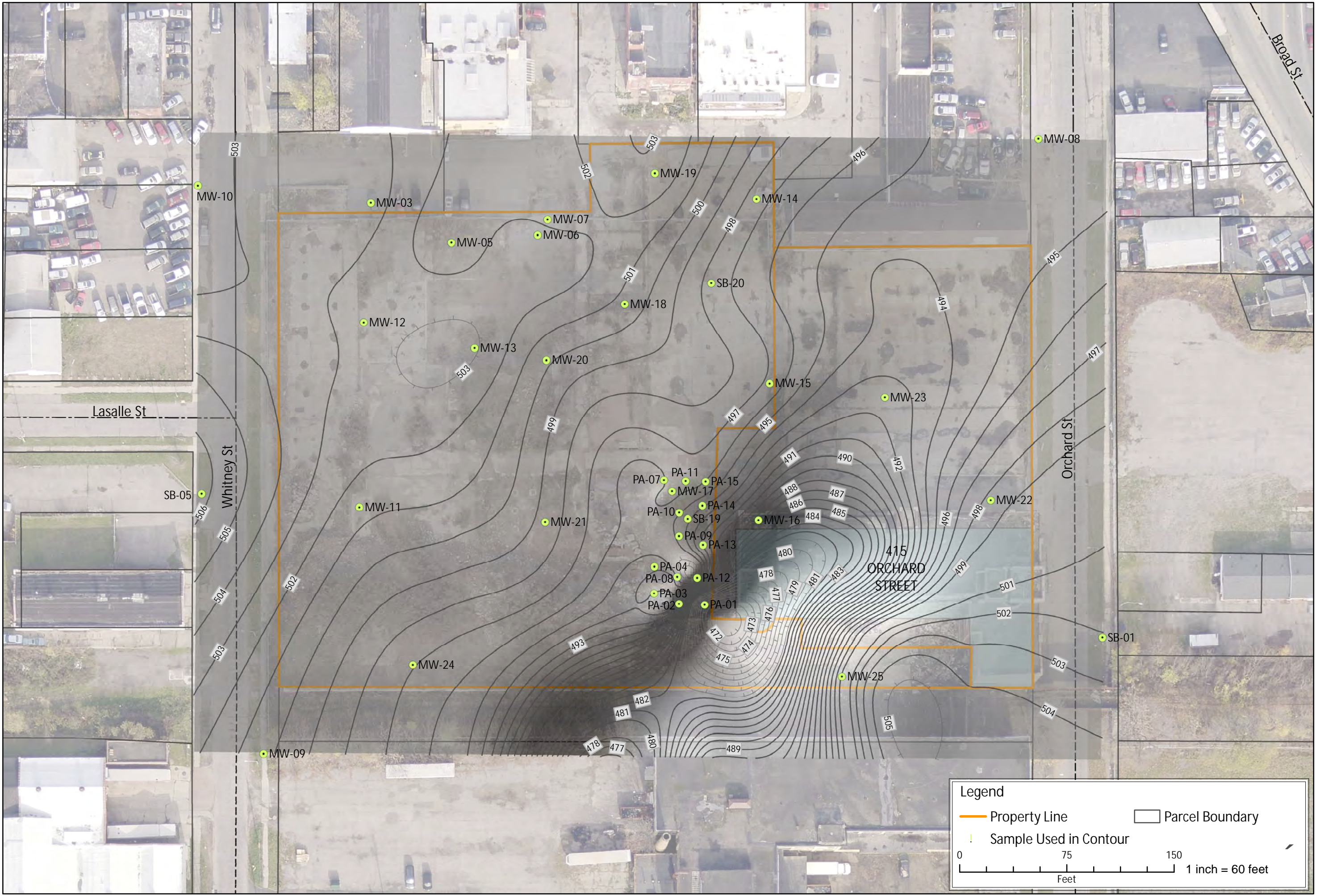
Active P: Cr (.faces)  
P Units: mg/kg



### Feature key

- parameter grid data point colored by value (gray or blank = no sample)
- 3x2 concrete patch
- Cr stain

- 8in pipe
- 6in pipe
- plating area GPS point
- SE corner of cleared area

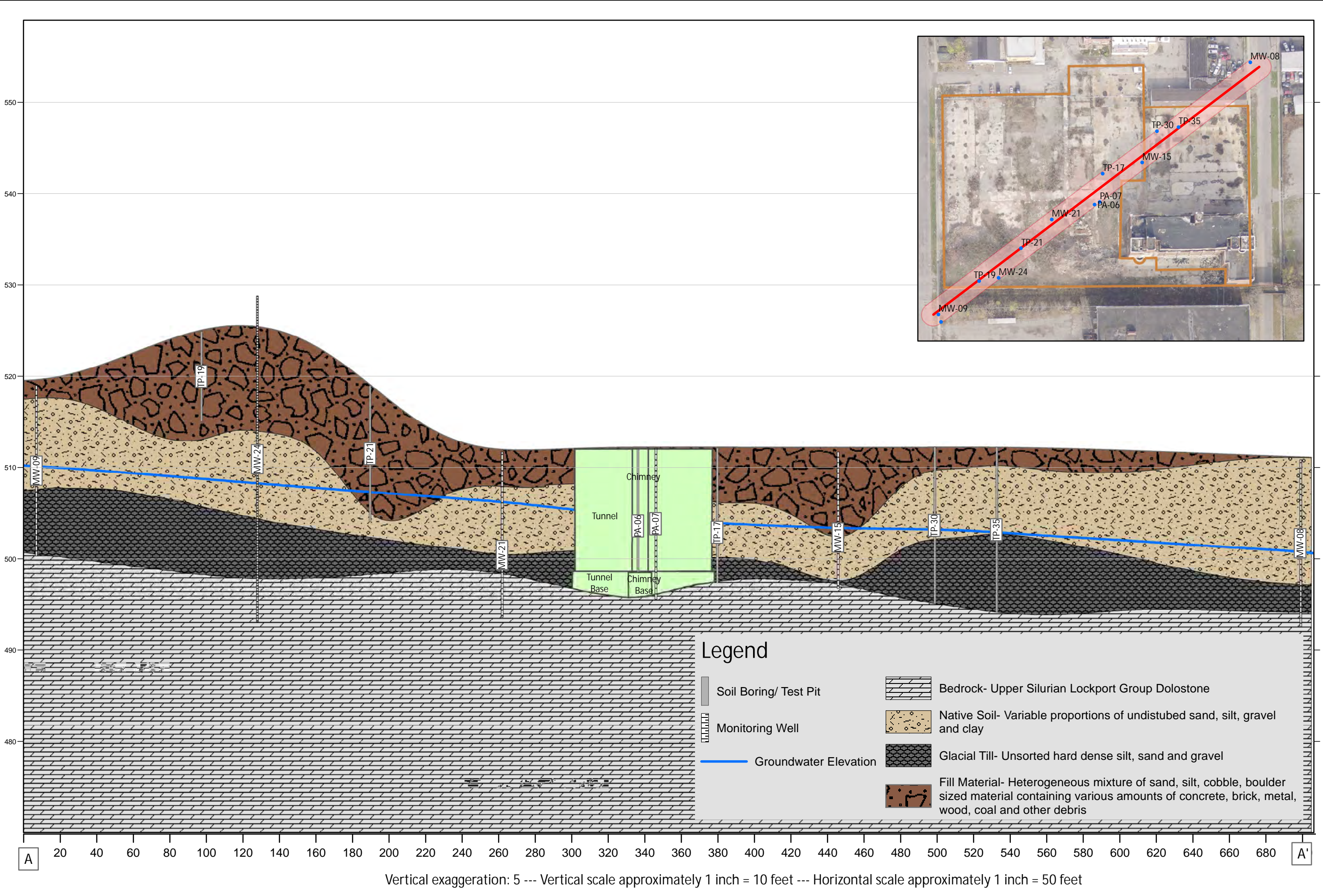


DATE: OCTOBER 2013  
 SCALE: 1 Inch = 60 Feet  
 DRAWN/CHECKED: SMK/GLA  
 DATA SOURCE: PICTOMETRY



FIGURE 9  
 BEDROCK SURFACE CONTOURS  
 ERP SITE #E828123  
 ROCHESTER, NY





Vertical exaggeration: 5 --- Vertical scale approximately 1 inch = 10 feet --- Horizontal scale approximately 1 inch = 50 feet

### Legend

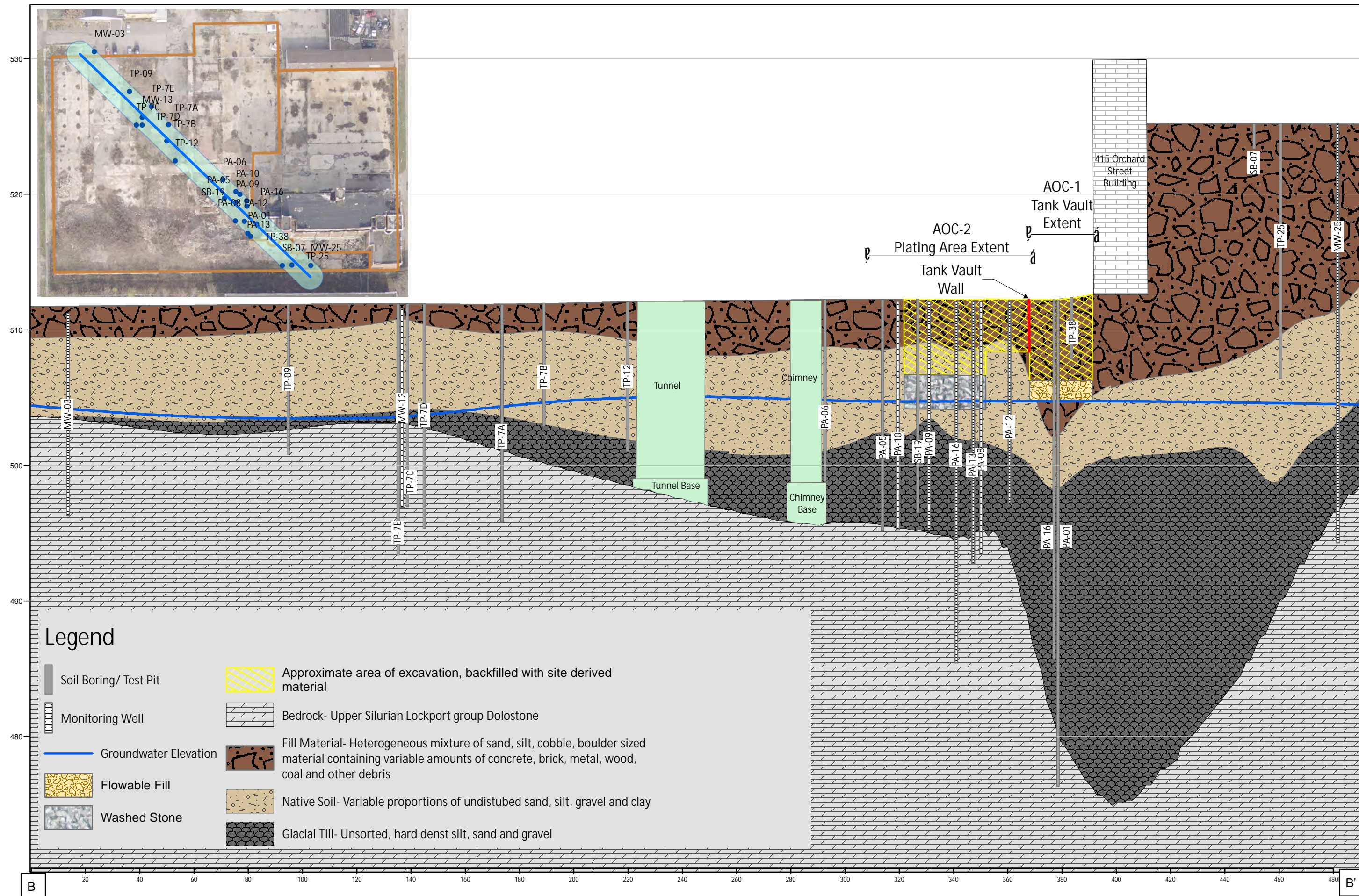
- Soil Boring/ Test Pit
- Monitoring Well
- Groundwater Elevation
- Bedrock- Upper Silurian Lockport Group Dolostone
- Native Soil- Variable proportions of undisturbed sand, silt, gravel and clay
- Glacial Till- Unsorted hard dense silt, sand and gravel
- Fill Material- Heterogeneous mixture of sand, silt, cobble, boulder sized material containing various amounts of concrete, brick, metal, wood, coal and other debris

DATE: OCTOBER 2013  
 SCALE: as noted  
 DRAWN/CHECKED: SMK/GLA  
 DATA SOURCE:



FIGURE 10.1  
 GEOLOGIC CROSS SECTION A-A'  
 ERP SITE #E828123  
 ROCHESTER, NY





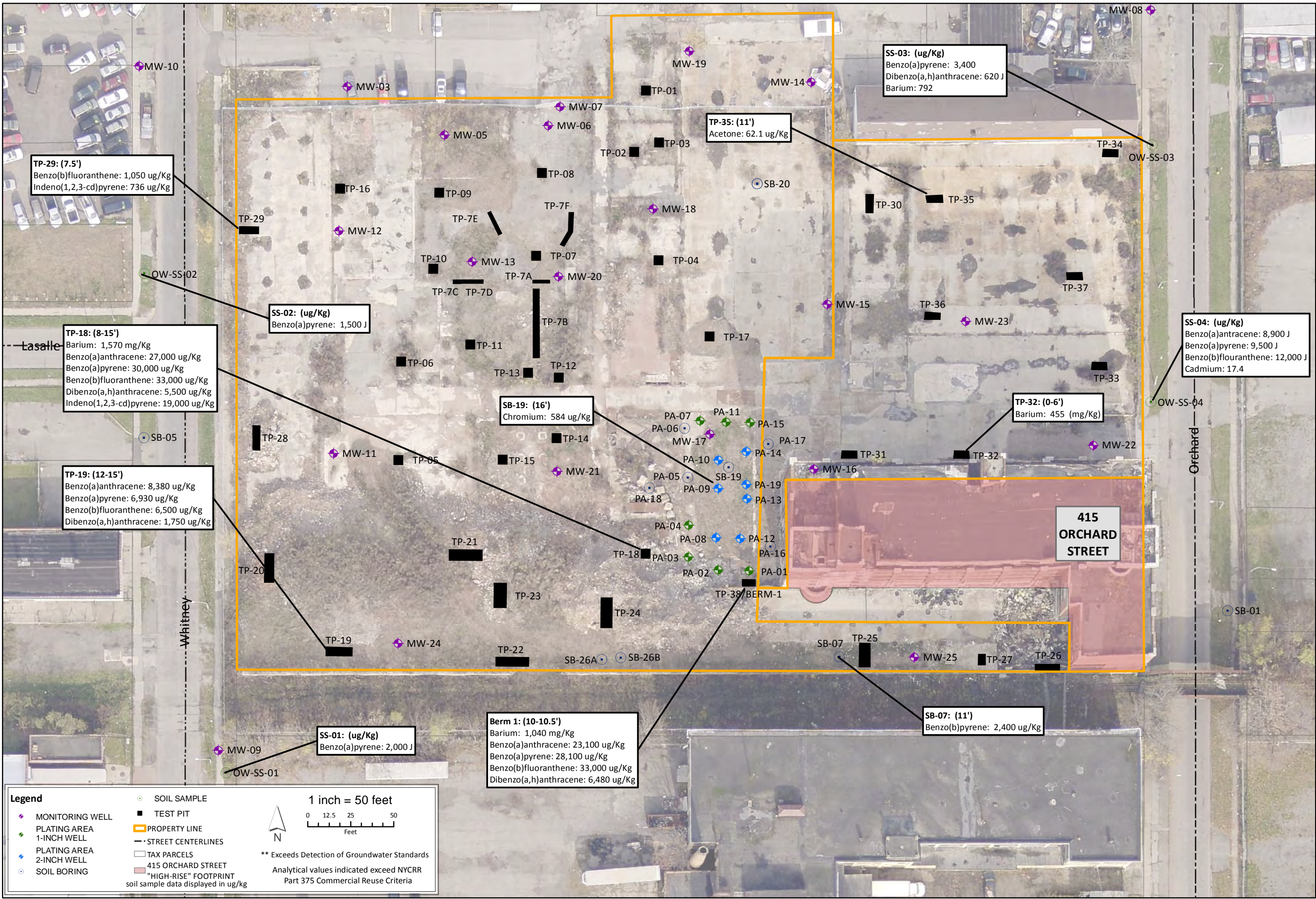
Vertical exaggeration: 5 --- Vertical scale approximately 1 inch = 6 feet --- Horizontal scale approximately 1 inch = 30 feet

DATE: OCTOBER 2013  
 SCALE: as noted  
 DRAWN/CHECKED: SMK/GLA  
 DATA SOURCE:



FIGURE 10.2  
 GEOLOGIC CROSS SECTION B-B'  
 ERP SITE #E828123  
 ROCHESTER, NY





**TP-29: (7.5')**  
 Benzo(b)fluoranthene: 1,050 ug/Kg  
 Indeno(1,2,3-cd)pyrene: 736 ug/Kg

**TP-18: (8-15')**  
 Barium: 1,570 mg/Kg  
 Benzo(a)anthracene: 27,000 ug/Kg  
 Benzo(a)pyrene: 30,000 ug/Kg  
 Benzo(b)fluoranthene: 33,000 ug/Kg  
 Dibenzo(a,h)anthracene: 5,500 ug/Kg  
 Indeno(1,2,3-cd)pyrene: 19,000 ug/Kg

**TP-19: (12-15')**  
 Benzo(a)anthracene: 8,380 ug/Kg  
 Benzo(a)pyrene: 6,930 ug/Kg  
 Benzo(b)fluoranthene: 6,500 ug/Kg  
 Dibenzo(a,h)anthracene: 1,750 ug/Kg

**SS-02: (ug/Kg)**  
 Benzo(a)pyrene: 1,500 J

**SS-01: (ug/Kg)**  
 Benzo(a)pyrene: 2,000 J

**Berm 1: (10-10.5')**  
 Barium: 1,040 mg/Kg  
 Benzo(a)anthracene: 23,100 ug/Kg  
 Benzo(a)pyrene: 28,100 ug/Kg  
 Benzo(b)fluoranthene: 33,000 ug/Kg  
 Dibenzo(a,h)anthracene: 6,480 ug/Kg

**TP-35: (11')**  
 Acetone: 62.1 ug/Kg

**SS-03: (ug/Kg)**  
 Benzo(a)pyrene: 3,400  
 Dibenzo(a,h)anthracene: 620 J  
 Barium: 792

**TP-32: (0-6')**  
 Barium: 455 (mg/Kg)

**SS-04: (ug/Kg)**  
 Benzo(a)anthracene: 8,900 J  
 Benzo(a)pyrene: 9,500 J  
 Benzo(b)fluoranthene: 12,000 J  
 Cadmium: 17.4

**Legend**

- SOIL SAMPLE
- ◆ MONITORING WELL
- ◆ PLATING AREA 1-INCH WELL
- ◆ PLATING AREA 2-INCH WELL
- SOIL BORING
- TEST PIT
- ▭ PROPERTY LINE
- - - STREET CENTERLINES
- TAX PARCELS
- ▭ 415 ORCHARD STREET
- ▭ "HIGH-RISE" FOOTPRINT

1 inch = 50 feet

0 12.5 25 50 Feet

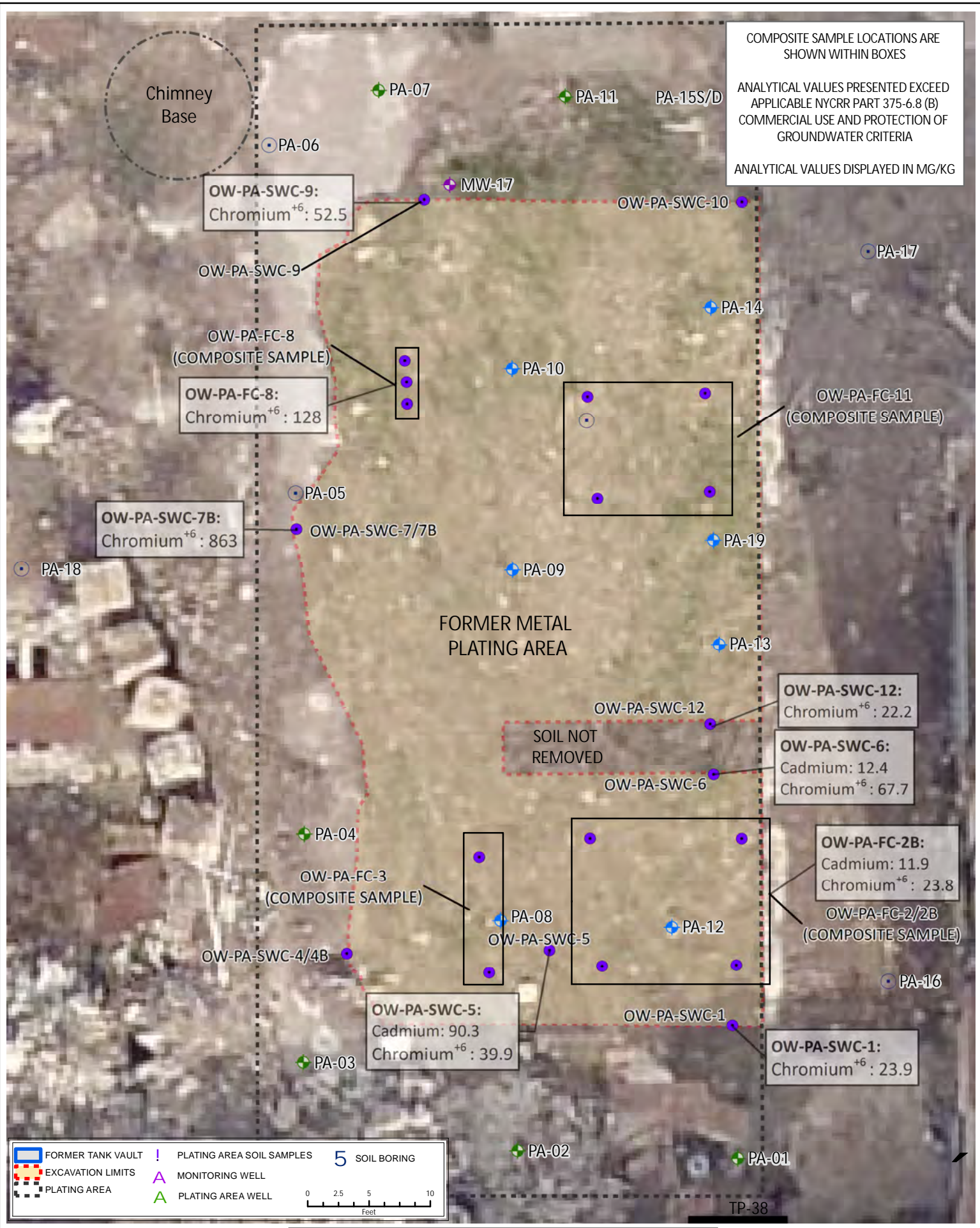
\*\* Exceeds Detection of Groundwater Standards  
 Analytical values indicated exceed NYCRR Part 375 Commercial Reuse Criteria

DATE: DECEMBER 2015  
 SCALE: 1 inch= 50 Feet  
 DRAWN/CHECKED: CSB/AC  
 DATA SOURCE: PICTOMETRY



FIGURE 11.1  
 POST-IRM COMMERCIAL EXCEEDANCES  
 ERP SITE #E828123  
 ROCHESTER, NY





COMPOSITE SAMPLE LOCATIONS ARE SHOWN WITHIN BOXES

ANALYTICAL VALUES PRESENTED EXCEED APPLICABLE NYCRR PART 375-6.8 (B) COMMERCIAL USE AND PROTECTION OF GROUNDWATER CRITERIA

ANALYTICAL VALUES DISPLAYED IN MG/KG

Chimney Base

FORMER METAL PLATING AREA

SOIL NOT REMOVED

	FORMER TANK VAULT		PLATING AREA SOIL SAMPLES		SOIL BORING
	EXCAVATION LIMITS		MONITORING WELL		
	PLATING AREA		PLATING AREA WELL		

FIG. 11.2  
 POST-IRM SOIL EXCEEDANCES - PLATING AREA DETAIL  
 ERP SITE # E828123  
 ROCHESTER, NY



DATE: OCTOBER 2013
SCALE: 1 inch= 10 feet
DRAWN/CHECKED: SMK/GLA
DATA SOURCE: PICTOMETRY

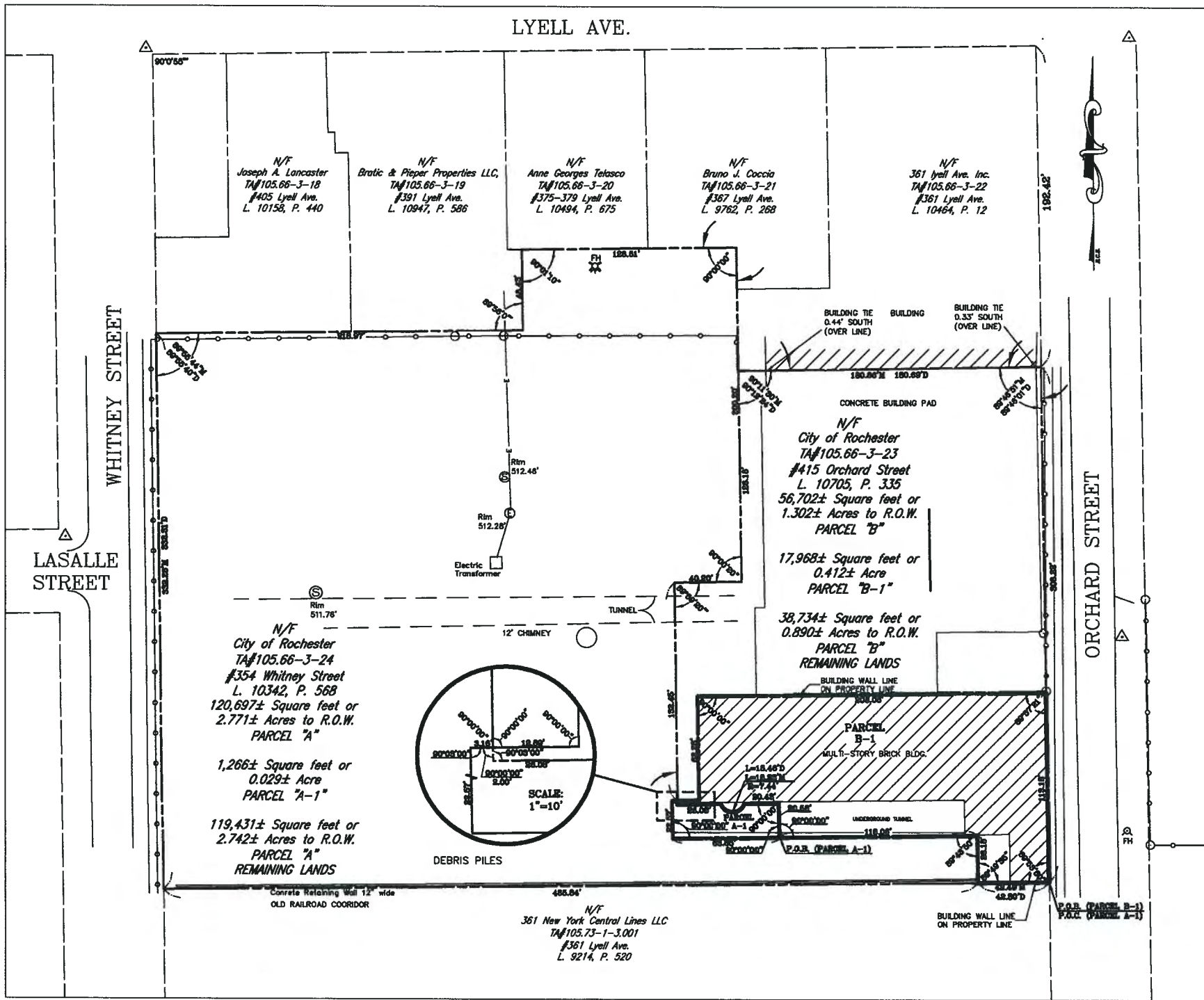
# Appendix A – Re-Subdivision Map

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**LEGEND:**

	APPROXIMATE RIGHT-OF-WAY
	NEW PARCEL BOUNDARY
	PARENT PARCEL BOUNDARY
	EXISTING BUILDING
	EXISTING UNDERGROUND ELECTRIC
	EXISTING ADJOINING PROPERTY LINES
	ROCHESTER CITY SURVEY MONUMENT



**Survey Notes & References:**

- Horizontal Datum is NAD 1983.
- Coordinates were supplied by City of Rochester Survey Office.
- Vertical Datum is NAVD 1988 also supplied by City of Rochester Survey Office.
- Distances shown hereon are ground.
- Deeds listed in Liber 10705, Page 335 recorded 01-05-09; Liber 10342, Page 568 recorded 08-17-06; Liber 10494, Page 675 recorded 07-30-07; Liber 9762, Page 268 recorded 03-27-03; Liber 10464, Page 12 recorded 05-23-07; Liber 10947, Page 586 recorded 12-02-10; Liber 10158, Page 440 recorded 07-22-05; Liber 9214, Page 520 recorded 09-16-99; Liber 9126, Page 96 recorded 02-19-99; Liber 6975, Page 228 recorded 09-16-86; Liber 9786, Page 105 recorded 05-16-03; Liber 7079, Page 98 recorded 03-10-87.
- The last two recorded deeds for this parcel do not have a metes and bounds description.
- There appears to be encumbrances that can not be plotted. These lie in Liber 4343 of Deeds Page 1 and Liber 5065 of Deeds Page 194.
- There does not appear to be any restricted use zones or wetland areas delineated on this site at this time.

**PARCEL DESCRIPTION:**

**PARCEL A-1**  
 ALSO "ENVIRONMENTAL EASEMENT DESCRIPTION" FOR DEC SITE #E828123  
 ALL THAT TRACT OR PARCEL OF LAND SITUATE IN THE CITY OF ROCHESTER, COUNTY OF MONROE, STATE OF NEW YORK, BEING PART OF TOWN LOT 62, 20,000 ACRE TRACT, TOWNSHIP 1, SHORT RANGE, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

- COMMENCING AT THE INTERSECTION OF THE WESTERLY BOUNDS OF ORCHARD STREET (60.00 FEET WIDE) AND THE NORTHERLY BOUNDS OF LANDS NOW OR FORMERLY BELONGING TO NEW YORK CENTRAL LINES, L.L.C. AS RECORDED IN LIBER 9214 OF DEEDS AT PAGE 520; THENCE WESTERLY ALONG SAID NORTHERLY BOUNDS AND HAVING AN ANGLE TO THE LEFT OF 89°53'50" WITH THE SAID WESTERLY BOUNDS A DISTANCE OF 42.49 FEET TO A POINT; THENCE NORTHERLY AND HAVING AN ANGLE TO THE LEFT OF 89°49'35" A DISTANCE OF 28.18 FEET TO A POINT; THENCE THENCE WESTERLY AND HAVING AN ANGLE TO THE RIGHT OF 89°43'50" A DISTANCE OF 118.06 FEET TO THE POINT OF BEGINNING; THENCE
- 1) CONTINUING ALONG SAID WESTERLY DIRECTION A DISTANCE OF 63.65 FEET TO A POINT; THENCE
  - 2) NORTHERLY AND HAVING AN ANGLE TO THE LEFT OF 90°00'00" A DISTANCE OF 22.57 FEET TO A POINT; THENCE
  - 3) EASTERLY AND HAVING AN ANGLE TO THE LEFT OF 90°03'00" A DISTANCE OF 3.16 FEET TO A POINT; THENCE
  - 4) SOUTHERLY AND HAVING AN ANGLE TO THE LEFT OF 90°00'00" A DISTANCE OF 2.00 FEET TO A POINT; THENCE
  - 5) EASTERLY AND HAVING AN ANGLE TO THE RIGHT OF 90°03'00" A DISTANCE OF 26.08 FEET TO A POINT; THENCE
  - 6) EASTERLY ALONG A CURVE TO THE RIGHT, SAID CURVE HAVING A RADIUS OF 7.44 FEET AND A ARC LENGTH OF 18.23 FEET TO A POINT, SAID POINT BEING 14.00 FEET FROM THE EXTENSION OF COURSE 5; THENCE
  - 7) THENCE EASTERLY AND CONTINUING ALONG THE EXTENSION OF COURSE 5 A DISTANCE OF 20.43 FEET TO A POINT; THENCE
  - 8) SOUTHERLY AND HAVING AN ANGLE TO THE LEFT OF 90°00'00" A DISTANCE OF 20.58 FEET TO THE POINT OF BEGINNING; THE LAST COURSE MAKING AN ANGLE TO THE LEFT WITH COURSE FIRST COURSE OF 90°00'00"

**PARCEL B-1**

ALSO "ENVIRONMENTAL EASEMENT DESCRIPTION" FOR DEC SITE #E828123  
 ALL THAT TRACT OR PARCEL OF LAND SITUATE IN THE CITY OF ROCHESTER, COUNTY OF MONROE, STATE OF NEW YORK, BEING PART OF TOWN LOT 62, 20,000 ACRE TRACT, TOWNSHIP 1, SHORT RANGE, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

- BEGINNING AT A POINT ALONG THE WESTERLY BOUNDS OF ORCHARD STREET (60.00 FEET WIDE) SAID POINT BEING 500.64 FROM THE INTERSECTION OF SAID WESTERLY BOUND AND THE SOUTHERLY BOUNDS OF LYELL AVENUE (66.00 FEET WIDE), SAID POINT ALSO BEING THE INTERSECTION OF THE SAID WESTERLY BOUNDS AND THE NORTHERLY BOUNDS OF LANDS NOW OR FORMERLY BELONGING TO NEW YORK CENTRAL LINES, L.L.C. AS RECORDED IN LIBER 9214 OF DEEDS AT PAGE 520; THENCE
- 1) WESTERLY ALONG SAID NORTHERLY BOUNDS AND HAVING AN ANGLE TO THE LEFT OF 89°53'50" A DISTANCE OF 42.49 FEET TO A POINT; THENCE
  - 2) NORTHERLY AND HAVING AN ANGLE TO THE LEFT OF 89°49'35" A DISTANCE OF 28.18 FEET TO A POINT; THENCE
  - 3) WESTERLY AND HAVING AN ANGLE TO THE RIGHT OF 89°43'50" A DISTANCE OF 118.06 FEET TO A POINT; THENCE
  - 4) NORTHERLY AND HAVING AN ANGLE TO THE LEFT OF 90°00'00" A DISTANCE OF 20.58 FEET TO A POINT; THENCE
  - 5) WESTERLY AND HAVING AN ANGLE TO THE RIGHT OF 90°00'00" A DISTANCE OF 20.58 FEET TO A POINT; THENCE
  - 6) WESTERLY ALONG A CURVE TO THE LEFT, SAID CURVE HAVING A RADIUS OF 7.44 FEET AND A ARC LENGTH OF 18.23 FEET TO A POINT, SAID POINT BEING 14.00 FEET FROM THE EXTENSION OF COURSE 5; THENCE
  - 7) THENCE WESTERLY AND CONTINUING ALONG THE EXTENSION OF COURSE 5 A DISTANCE OF 26.08 FEET TO A POINT; THENCE
  - 8) NORTHERLY AND HAVING AN ANGLE TO THE LEFT OF 90°03'00" A DISTANCE OF 2.00 FEET TO A POINT; THENCE
  - 9) EASTERLY AND HAVING AN ANGLE TO THE LEFT OF 90°00'00" A DISTANCE OF 12.89 FEET TO A POINT; THENCE
  - 10) NORTHERLY AND HAVING AN ANGLE TO THE RIGHT OF 90°00'00" A DISTANCE OF 62.28 FEET TO A POINT; THENCE
  - 11) EASTERLY AND HAVING AN ANGLE TO THE LEFT OF 90°00'00" A DISTANCE OF 208.08 FEET TO A POINT ALONG THE WESTERLY BOUNDS OF AFORESAID ORCHARD STREET; THENCE
  - 12) SOUTHERLY AND HAVING AN ANGLE TO THE LEFT OF 89°57'21" A DISTANCE OF 113.18 FEET TO THE POINT BEGINNING.



DATE	REVISIONS	BY

**DRAWING ALTERATION**  
 Note: It is a violation of law for any person, unless they are acting under the direction of a licensed professional engineer, architect, landscape architect or land surveyor to alter or tamper in any way, if an item bearing the stamp of a licensed professional is altered, the altering engineer, architect, landscape architect or land surveyor shall stamp the document and include the notation "altered by" followed by their signature, the date of such alteration, and a specific description of the alteration.



BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_



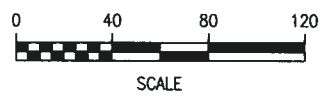
175 Sullys Trail, Suite 202  
 Pittsford, New York 14534  
 (585) 385-7417  
 Fax: (585) 385-3741  
 luengineers.com

**PROJECT:**  
 415 ORCHARD STREET & 354 WHITNEY STREET  
 ERP SITE #  
 CITY OF ROCHESTER,  
 COUNTY OF MONROE  
 STATE OF NEW YORK

**CLIENT:**  
 CITY OF ROCHESTER  
 ROCHESTER, NEW YORK

**DRAWING TITLE:**  
 RE-SUBDIVISION  
 MAP  
 LOTS A&B

DESIGNED BY: GA	SCALE: 1"=40'
DRAWN BY: DJM	DATE: 6-28-2013
CHECKED BY: GA	PROJECT NO. 4216
SHEET 1 OF 1	DRAWING No. SU-1



**THIS SURVEY IS SUBJECT TO THE FOLLOWING STATEMENT:**  
 "THE ENGINEERING AND INSTITUTIONAL CONTROLS FOR THIS EASEMENT ARE SET FORTH IN THE SITE MANAGEMENT PLAN (SMP). A COPY OF THE SMP MUST BE OBTAINED BY ANY PARTY WITH AN INTEREST IN THE PROPERTY. THE SMP CAN BE OBTAINED FROM NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION, DIVISION OF ENVIRONMENTAL REMEDIATION, SITE CONTROL SECTION, 625 BROADWAY, ALBANY, NEW YORK, 12233 OR AT derweb@gw.dec.state.ny.us"

**CERTIFICATION:**  
 WE, JOSEPH C. LU ENGINEERS AND LAND SURVEYING, P.C. CERTIFY THAT THIS SURVEY MAP WAS PREPARED ON JUNE 21, 2013 FROM NOTES OF A SURVEY COMPLETED ON JUNE 20, 2013.  
 CERTIFIED TO:  
 1.) PEOPLE OF THE STATE OF NEW YORK ACTING THROUGH ITS COMMISSIONER OF THE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
 2.) TITLE COMPANY  
 DANIEL J. MANDONALO, N.Y.S. P.L.S. 80615  
 6/23/13  
 DATE

I:\Projects\4216\4216\CADD\4216 Lu Survey for DEC Page 5-6-11.dwg  
 Copyright 2006, Lu Engineers All rights reserved. 3. Unauthorised alteration or addition to a survey map bearing a licensed land surveyor's seal is a violation of Section 7206, sub-section, of the New York State Education Law. 4. Any copies from the original of this survey made with an original of the land surveyor's seal shall be considered void from the date of copying. 5. The engineer, architect, landscape architect or land surveyor shall not be responsible for the accuracy of the data supplied to him or her by the client. 6. This map may not be used in connection with a "Survey Affidavit" or similar document, statement or submission to obtain title insurance for any instrument or future grantee. 7. (FOTD001) New York State Education Law Section 7206 states that all plans, specifications, and reports prepared by a land surveyor shall be signed by a land surveyor who is duly licensed under the law. 8. The surveyor shall be stamped with each seal and shall also be signed on the original with the personal signature of the land surveyor when that seal with public address.

**Appendix B –  
Hazardous Waste Inventory, PCB Survey &  
Lead Survey**

---

[Digital Copy Only]

# Memorandum



**LU ENGINEERS**  
Civil and Environmental  
2230 Penfield Road  
Penfield, NY 14526-1922  
Tel: (585) 377-1450 Fax: (585) 377-1266

**To:** Jane Forbes  
**cc:** Steve Campbell  
**From:** Greg Andrus, Rebecca May  
**Date:** 2/2/07  
**Project:** Whitney Hazardous Materials Inventory Sampling Results

Lu Project No.: 4216

---

Samples of potential hazardous materials were obtained from the Whitney Street site on August 30 and 31, 2006. Additional samples were also collected on September 8, 2006 and October 16, 2006.

The following is a list of the items/areas of concern for the waste removal required as part of asbestos abatement and demolition of the Whitney Street Site. The lettered items below correspond to the sample summary table and locations noted on the site plans attached.

- A. None of the surface wipes, concrete chip samples or oil samples contained PCBs. The location of the oil-containing equipment and containers is noted on the attached site plans. The oils will need to be drained from the equipment and or containers and appropriately disposed of as waste oil.
- B. The sandblast material located in the sandblast hood in the vehicle repair bay needs to be disposed of as hazardous waste due to elevated levels of RCRA Metals.
- C. The hydraulic lift system and associated pipe trenches located in the vehicle repair bay were unable to be accessed; this system is below grade and not anticipated to be encountered during demolition. If oil-containing piping and/or reservoirs are encountered these items should be secured and staged during demolition to be assessed for sampling and appropriate disposal. Otherwise oils encountered should be collected and disposed of as used oil.
- D. The overhead crane and the window mechanisms located in the Engine Room were unable to be accessed for sampling. This equipment should be secured and staged during demolition to be assessed for sampling and appropriate disposal. Otherwise oils encountered should be collected and disposed of as used oil.
- E. No oils were observed in the upper level electrical equipment of the Engine Room. Care should be taken in demolishing this equipment. In the event that oils are encountered, these items should be secured and staged during demolition to be assessed for sampling and appropriate disposal.

- F. The wood block flooring located in between the vehicle repair area and the Engine Room is not hazardous waste. This material can be disposed of as C&D debris.
- G. Two hoppers are located on the roof, one on the south east section and one on top of the north elevator gear house. These hoppers were inaccessible for sampling due to structural concerns with the roof. The hoppers appear to be empty of materials but will need to be staged during demolition for evaluation prior to disposal.
- H. All ash material sampled from the boiler, the flue duct leading from the boilers to the stack, and from the inside of the stack is hazardous waste due to elevated concentrations of arsenic.
- I. The sediment located in the north floor drain of the vehicle repair bay is hazardous waste due to elevated concentrations of RCRA Metals. This material is below grade and is not anticipated to be encountered during this phase of demolition.
- J. The three water samples from the flooded tunnel/basement area did not contain detectable levels of PCBs. Lu Engineers was not able to sample sediment located in these areas at that time, but since the area is below grade it is not anticipated to be encountered during this phase of demolition.
- K. The South Elevator was inaccessible for sampling, and only the gear house of the north elevator was inspected. The remaining portions of these elevator systems, along with an air handling unit on the south east roof of the Brick Mill should be staged for evaluation and possible sampling during demolition to determine appropriate disposal of any oils or other materials.
- L. The tunnel located beneath the location of the former location of Building 3, accessible only from the courtyard contained approximately 6 unknown drums and another approximately 18 empty drums. These drums will need to be moved to the east end of the tunnel and staged for sampling and disposal.
- M. One unknown wooden drum and one 55-gal oil drum will be removed from the boiler room. One 55-gal drum located in the northwest portion of the second floor. Approximately 10 small 3 to 5-gal containers are also located on the mezzanine level of the second floor near the South East staircase. These items should be staged and evaluated for disposal.
- N. Debris piles should be sifted for potential hazardous materials. Any such materials should be staged and sampled for disposal.
- O. All light fixtures throughout the building should be staged and evaluated for PCB containing ballasts prior to disposal. An initial inventory of the building found approximately 130 PCB containing ballasts and 160 unknown but suspect PCB containing ballasts.

- P. All fluorescent light bulbs shall be removed prior to demolition and disposed of appropriately. An initial inventory of indicated approximately 200 fluorescent bulbs.
- Q. Three transformers located on the 6<sup>th</sup> floor exterior of the Orchard Street Building between the southeast staircase and the south east elevator should be removed and transported offsite for appropriate disposal of PCB oils.
- R. Various paint containers will be staged for screening and characterization for disposal.
- S. Approximately 20 bags of populated circuit board wastes are located in the passageway between the Engine Room and the Boiler Room. These materials should be recycled.
- T. Pigeon droppings are located in varying amounts on the majority of interior building surfaces. Care should be exercised during demolition to prevent excessive disturbance of pigeon droppings and release of resultant airborne dusts.

#### Attachments

Table – Whitney Street Summary Sample Table

Figure 1 – Building # 2/2A/Brickmill First Floor Plan

Figure 2 – Building # 2/2A/Brickmill Second Floor Plan

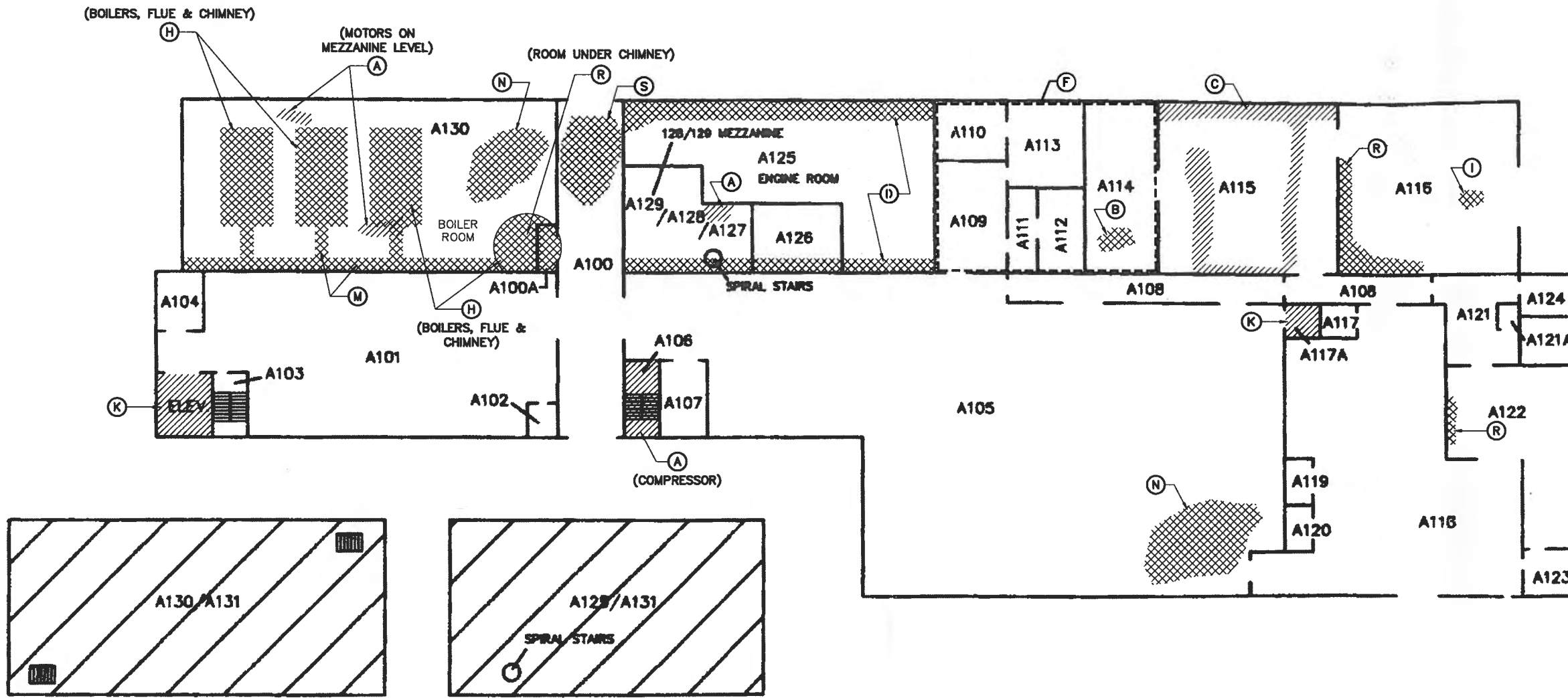
Figure 3 – Building # 2/2A/Brickmill Roof Plan

Figure 4 – Building # 2/2A/Brickmill Overall Plan

Whitney Summary Sample Table

Sample ID	Location Description	Map ID	ENSR Plan		Analysis	Hazardous Waste
			Room ID	Room ID		
OW-BW-SED-01	North Floor Drain Sediment from Vehicle Repair Area	I	A116		PCBs/RCRA Metals + Mercury	YES
OW-BW-SED-02	Sediment from South Chimney	-	A104		RCRA/TCLP Metals + Mercury	No
OW-BW-DW-01	South Floor Drain Water from Vehicle Repair Area	-	A116		PCBs/RCRA Metals + Mercury	No
OW-BW-SAND-01	Sand from Sandblast Hood in Vehicle Repair Area	B	A114		RCRA Metals + Mercury	YES
OW-BW-WOOD-01	Wood Block Flooring from room south of Vehicle Repair Bays	-	A113		PCBs + Creosote	No
OW-BW-SW-01	Surface Wipe of Oil from North Elevator Gear House	A	R100		PCBs	No
OW-BW-SW-02	Surface Wipe of Oil Seeping Down West Wall	A	A105		PCBs	No
OW-BW-SW-03	Surface Wipe of Oil Seeping Down West Wall	A	A105		PCBs	No
OW-BW-SW-04	Surface Wipe of Compressor under Stairs - Wood Platform	A	A106		PCBs	No
OW-BW-SW-05	Surface Wipe of Compressor Under Stairs - Gears	A	A106		PCBs	No
OW-BW-O-01	Composite of four 1 gal. containers unknown oil	A	A127		PCBs	No
OW-BW-O-02	Oil from Orange north orange motor, mezzanine level	A	A130		PCBs	No
OW-BW-O-03	Oil from Orange south orange motor, mezzanine level	A	A130		PCBs	No
OW-BW-O-04	Oil from Coal Hopper Motor, mezzanine Level	A	A130		PCBs	No
OW-BW-CH-01	Concrete Chip Sample North West Equipment Pad	-	A125		PCBs	No
OW-BW-CH-02	Concrete Chip Sample South West Equipment Pad	-	A125		PCBs	No
OW-BW-CH-03	Concrete Chip Sample North East Equipment Pad	-	A125		PCBs	No
OW-BW-CH-04	Concrete Chip Sample Floor of Transformer Vault - SW	-	A126		PCBs	No
OW-BW-CH-05	Concrete Chip Sample Floor of Transformer Vault - Middle	-	A126		PCBs	No
OW-BW-CH-06	Concrete Chip Sample Floor of Transformer Vault - SE	-	A126		PCBs	No
OW-BW-CH-07	Concrete Chip Sample Floor of Transformer Vault - NW	-	A126		PCBs	No
OW-BW-TW-01	Tunnel Water from Below A125	-	A131		PCBs	No
OW-BW-TW-02	Tunnel Water from Below A130	-	A131		PCBs	No
OW-BW-TW-03	Tunnel Water from Below A130	-	A131		PCBs	No
OW-BW-HD-01	Ash/Dust Material from Flu going from Boiler to Chimney	H	A130		RCRA/TCLP Metals + Mercury	YES
OW-BW-BA-01	Ash Material from door of Boiler	H	A130		RCRA/TCLP Metals + Mercury	YES
OW-C4-SED-01	Accumulated Material in base of Chimney	H	A130		TCLP Metals + Mercury	YES

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ALL SUBFLOOR SPACES FLOODED

FIRST FLOOR PLAN  
 BUILDING #2/2A/BRICKMILL  
 SCALE: 1" = 30'-0"



**LEGEND**

	AREAS WITH POTENTIAL OIL-FILLED EQUIPMENT
	AREAS OF HAZARDOUS MATERIALS FOR REMOVAL

\*MATERIAL LOCATIONS ARE APPROXIMATE

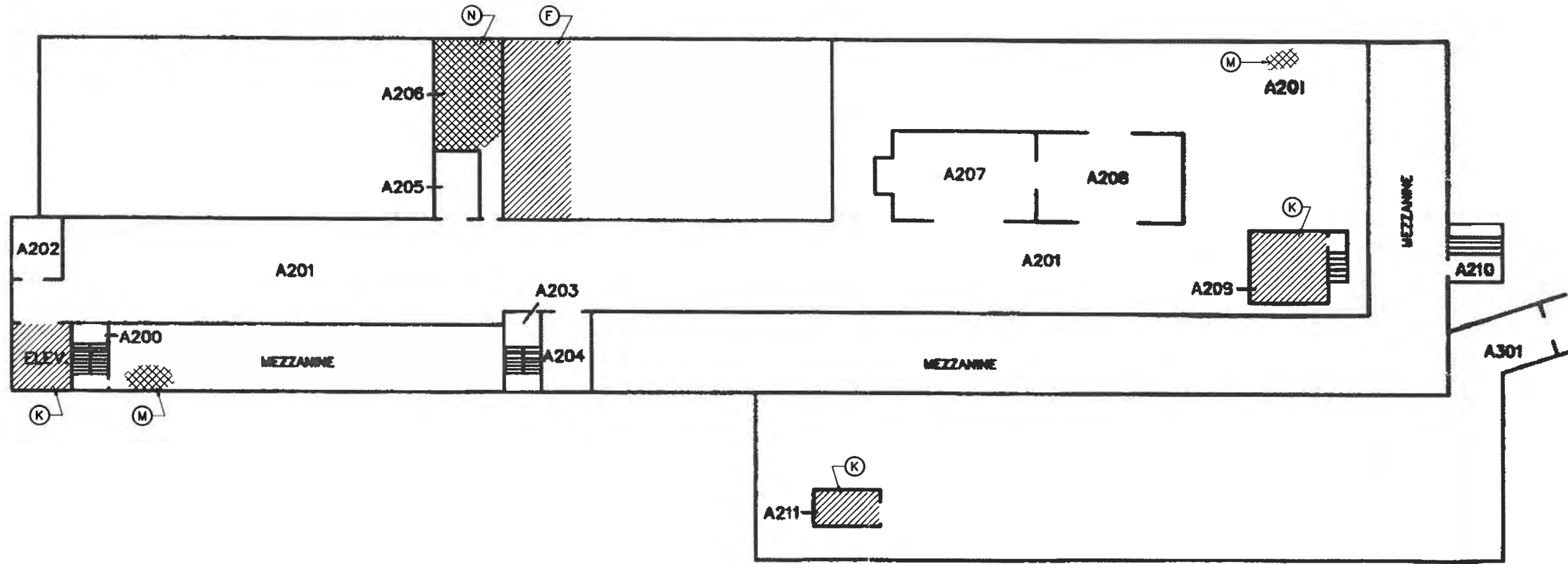
DATE: JANUARY 2007  
 SCALE: 1" = 30'  
 DRAWN BY: DLS  
 MAP SOURCE: ENSR INTERNATIONAL ASBESTOS INSPECTION AT 354 WHITNEY ST., ROCHESTER, NEW YORK

FIGURE 1.  
 BUILDING #2/2A/BRICKMILL, FIRST FLOOR  
 CITY OF ROCHESTER  
 HAZARDOUS MATERIAL SAMPLING/REMOVAL  
 415 ORCHARD / 354 WHITNEY

**LU ENGINEERS**  
 Civil and Environmental

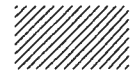
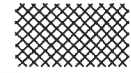
JOSEPH C. LU ENGINEERING AND LAND SURVEYING, P.C.  
 2230 FENFELD ROAD FENFELD, NEW YORK 14526  
 PHONE: 585.377.1450 FAX: 585.377.1266

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SECOND FLOOR PLAN  
 BUILDING #2/2A/BRICKMILL  
 SCALE: 1" = 30'-0"



LEGEND	
	AREAS WITH POTENTIAL OIL-FILLED EQUIPMENT
	AREAS OF HAZARDOUS MATERIALS FOR REMOVAL

\*MATERIAL LOCATIONS ARE APPROXIMATE

DATE:	JANUARY 2007
SCALE:	1" = 30'
DRAWN BY:	DLS
MAP SOURCE:	ENSR INTERNATIONAL ASBESTOS INSPECTION AT 354 WHITNEY ST., ROCHESTER, NEW YORK

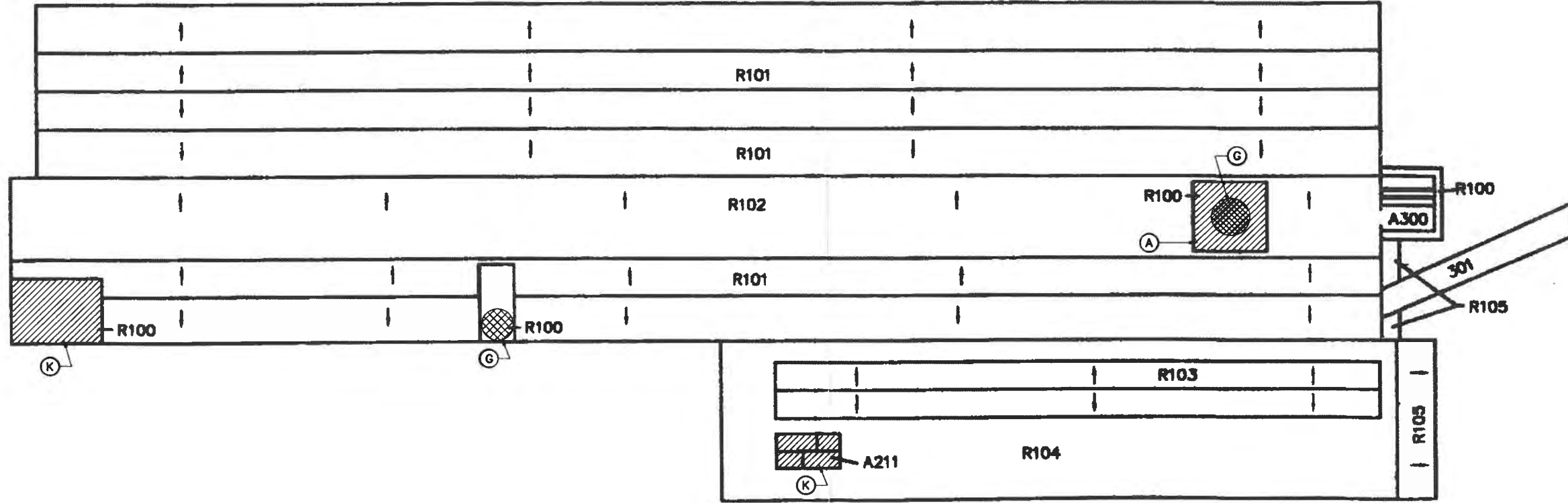
FIGURE 2.  
 BUILDING #2/2A/BRICKMILL, SECOND FLOOR  
 CITY OF ROCHESTER  
 HAZARDOUS MATERIAL SAMPLING/REMOVAL  
 415 ORCHARD / 354 WHITNEY

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ROOF PLAN  
 BUILDING #2/2A/BRICKMILL  
 SCALE: 1" = 30'-0"



LEGEND	
	AREAS WITH POTENTIAL OIL-FILLED EQUIPMENT
	AREAS OF HAZARDOUS MATERIALS FOR REMOVAL

\*MATERIAL LOCATIONS ARE APPROXIMATE

FIGURE 3.

**BUILDING #2/2A/BRICKMILL, ROOF PLAN**

CITY OF ROCHESTER  
 HAZARDOUS MATERIAL SAMPLING/REMOVAL  
 415 ORCHARD / 354 WHITNEY

DATE: JANUARY 2007

SCALE: 1" = 30'

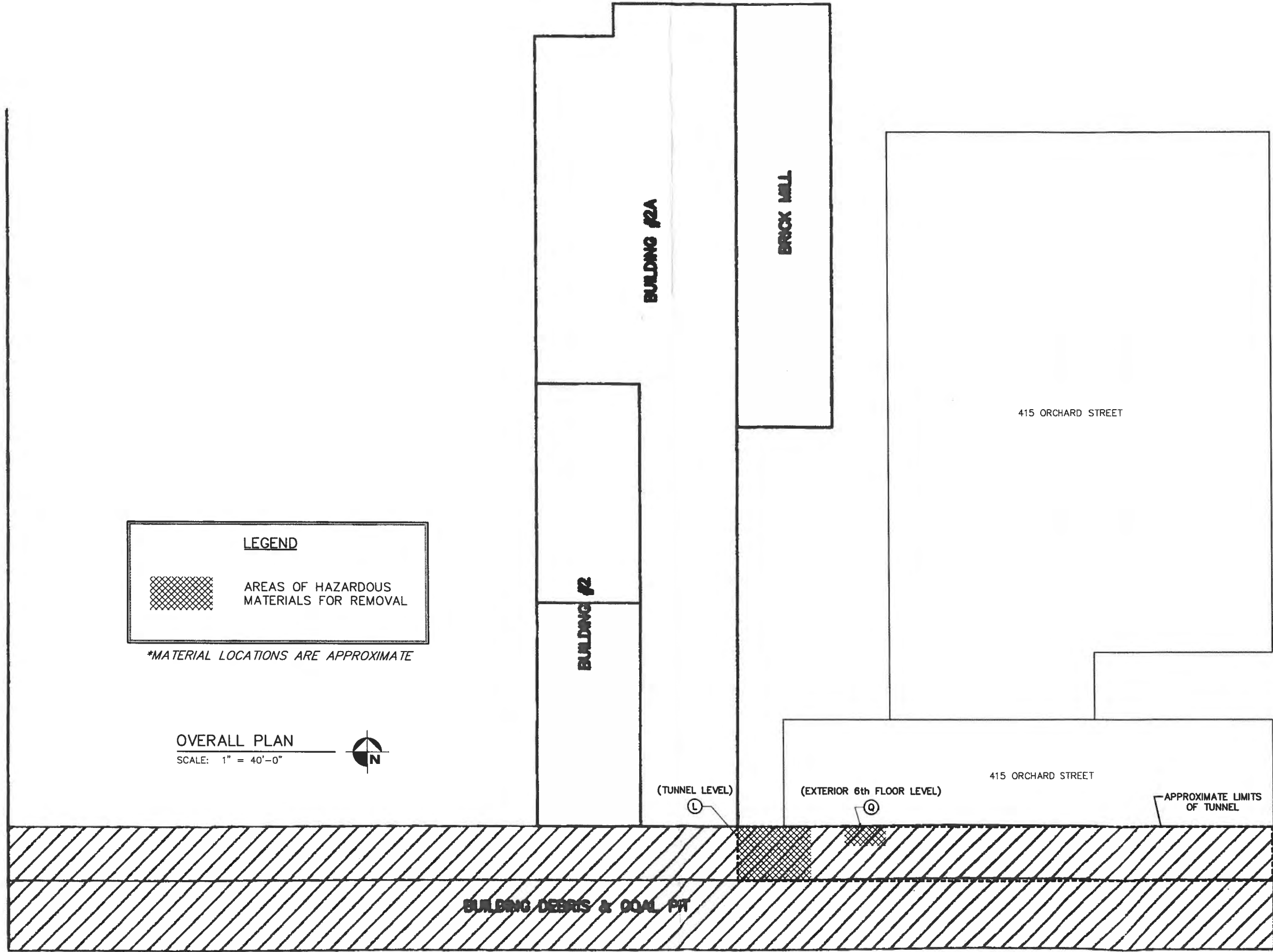
DRAWN BY: DLS

MAP SOURCE: EUSR INTERNATIONAL  
 ASBESTOS INSPECTION AT  
 354 WHITNEY ST., ROCHESTER, NEW YORK



LU ENGINEERS  
 Civil and Environmental  
 JOSEPH C. LU ENGINEERING AND LAND SURVEYING, P.C.  
 2230 PENFIELD ROAD PENFIELD, NEW YORK 14526  
 PHONE: 585.377.1450 FAX: 585.377.1266

WHITNEY STREET



DATE: JANUARY 2007

SCALE: 1" = 30'

DRAWN BY: DLS

MAP SOURCE: ENSI INTERNATIONAL  
ASBESTOS INSPECTION AT  
354 WHITNEY ST., ROCHESTER, NEW YORK

FIGURE 4.

OVERALL PLAN

CITY OF ROCHESTER  
HAZARDOUS MATERIAL SAMPLING/REMOVAL  
415 ORCHARD / 354 WHITNEY

**LU ENGINEERS**  
Civil and Environmental

JOSEPH C. LU ENGINEERING AND LAND SURVEYING, P.C.  
2230 FENFIELD ROAD FENFIELD, NEW YORK 14526  
PHONE: 585.377.1450 FAX: 585.377.1266

### Hazardous Materials Removed from the Site

The following materials were disposed of from the Site in July 2008.

CONTAINER #	CONTAINERS	CONTENTS	ANALYTICAL	HAZARDOUS WASTE
1	1 - 1cubic yard box (lined)	Waste circuit boards contaminated with asbestos	None	Yes
2	1 – 30 gallon poly drum	Sand blast waste	Yes	Yes
3	1 – 55 gallon fiber drum	Paint-related wastes	None	No
4	1 – 55 gallon fiber drum	Paint-related wastes	None	No
5	1 – 55 gallon fiber drum	Paint-related wastes	None	No
6	1 – 55 gallon fiber drum	Paint-related wastes	None	No
7	1 – 5 gallon bucket	Aerosol paint waste	None	Yes
8	1 – 55 gallon steel drum	Waste circuit boards contaminated with asbestos	None	Yes
9	1 – 55 gallon steel drum	Waste circuit boards contaminated with asbestos	None	Yes
10	1 – 55 gallon steel drum	Oil from large transformers (Transformer/Lube Oil)	Yes	Yes
11 - 18	1 – 55 gallon steel drum	Spill cleanup materials and soil with asbestos	Yes	Yes
19	1 – 85 gallon plastic overpack	Waste oil with lead	Yes	Yes
20	1 – 85 gallon plastic overpack	Waste oil (Transformer/Lube Oil)	Yes	Yes
21	1 – 85 gallon plastic overpack	Acidic boiler treatment	Yes	Yes
22	1 – 85 gallon plastic overpack	Caustic cleaner material	Yes	Yes
23	1 – 85 gallon plastic overpack	Propylene glycol	None	Yes

**WASTE REMOVAL DURING 354 WHITNEY STREET DEMOLITION**

**7/2008**

ORCHARD WHITNEY SITE - Waste Inventory for July 2008 pick up

CONTAINER #	CONTAINERS	CONTENTS	ANALYTICAL
1	1 - 1 cubic yard box (lined)	Waste circuit boards contaminated with asbestos	None
2	1 - 30 gallon poly drum	Sand blast waste	Yes
3	1 - 55 gallon fiber drum	Paint-related wastes	None
4	1 - 55 gallon fiber drum	Paint-related wastes	None
5	1 - 55 gallon fiber drum	Paint-related wastes	None
6	1 - 55 gallon fiber drum	Paint-related wastes	None
7	1 - 5 gallon bucket	Aerosol paint waste	None
8	1 - 55 gallon steel drum	Waste circuit boards contaminated with asbestos	None
9	1 - 55 gallon steel drum	Waste circuit boards contaminated with asbestos	None
10	1 - 55 gallon steel drum	Oil from large transformers (Transformer/Lube Oil)	Yes
11 - 18	1 - 55 gallon steel drum	Spill cleanup materials and soil with asbestos	Yes
19	1 - 85 gallon plastic overpack	Waste oil with lead	Yes
20	1 - 85 gallon plastic overpack	Waste oil (Transformer/Lube Oil)	Yes
21	1 - 85 gallon plastic overpack	Acidic boiler treatment	Yes
22	1 - 85 gallon plastic overpack	Caustic cleaner material	Yes
23	1 - 85 gallon plastic overpack	Propylene glycol	None

*Faxed*



**LU ENGINEERS**  
Civil and Environmental

2230 Penfield Road  
Penfield, New York 14526  
585.377.1450 Fax: 585.377.1266  
www.luengineers.com

# FAX Cover Sheet

Date: 7/10/03

Project No.: 4216

**This facsimile message for the attention of:**

Name: Mike Harlan

Firm: AWS

Fax No.: 716 439-1222

From: Greg Andrus

Subject: Wester @ Orchard / Whitney

Regular Copy Will  Or Will Not  Be Sent.

Total number of pages (including this cover sheet): 2

Please call if questions  
Thanks  
Ag

**Note:** If you do not receive all the pages, or if the quality is not suitable, please call (585) 377-1450 as soon as possible.

7/9/08 Orchard/Whitney  
 Mike Helten on site @ 11:00 AM due to flat tire

count#	inventory
1*	1 - 1.4yd <sup>3</sup> (m <sup>3</sup> ) box - circuit boards
8/9*	2 - 55 gal steel drums - circuit boards
7*	1 - 5 gal bucket - aerosol cans
2*	1 - 30 gal drum (poly) - sand blast bags
10	1 - 55 gal steel drum - oil from large transformer
3*	1 - 55 gal fiber drum - paint-related mtl's.
4*	" " " " " " " "
5*	1 - 55 gal poly drum paint-related
6*	" " " " NaOH (2x5 gal + 1x3) 3 5 gal jugs
<del>1</del>	1 - 55 metal drum
11-18	55-gal steel spill cleanup mtl's/soil
19	95 gal plastic over pack w/ orange steel 55 gal oil drum
20	" " " " yellow steel 55 gal oil drum
21	" " " " container wood/poly 20 <sup>+</sup> gal
22	" " " " w/ black 30 gal non-flamm. cleaner
23	" " " " 55 metal glycol (propylene glycol)

\* Indicates shipping container provided by AWS  
 AWS also used 2 bags of vermiculite



Generator's Hazardous Waste Profile Sheet

Service Agreement on file? [x] Yes [ ] No Profile Number

- [ ] Check here if there are multiple generating locations for this waste. Attach additional locations.
[ ] Check here if a Certificate of Destruction or Disposal is required

Requested Disposal Facility
[ ] Renewal for Profile Number Waste Approval Expiration Date

A. Waste Generator Facility Information (must reflect location of waste generation/origin)

- 1. Generator Name: 354 Whitney Street
2. Site Address: 354 Whitney Street
3. City/ZIP: Rochester 14606
4. State: NY
5. County: Monroe
6. Contact Name/Title: Anne Spaulding
7. Email Address:
8. Phone: (585) 428-7474
9. FAX:
10. NAICS Code: 336399
11. Generator USEPA ID #: NYR000158204
12. State ID# (if applicable):

B. Customer Information [ ] same as above

P. O. Number:

- 1. Customer Name: Advanced Waste Solutions, Inc.
2. Billing Address: PO Box 904
3. City, State and ZIP: Lockport, NY 14095
4. Contact Name: Mike Herlan
5. Contact Email: mherlan@verizon.net
6. Phone: 7164391221
7. Transporter Name: TBD
8. Transporter ID # (if appl.):
9. Transporter Address:
10. City, State and ZIP:

C. Waste Stream Information

- [x] USEPA Hazardous [ ] State Hazardous [x] TSCA [ ] Non-Hazardous

- 1. Description
a. Name of Waste: Circuit Boards c/w Asbestos
b. Process Generating Waste: Removal of Circuit Boards during Demolition
c. Color: Varies
d. Strong Odor (describe): NONE
e. Physical State at 70°F: [x] Solid [ ] Liquid [ ] Gas [ ] Sludge [ ] Other:
f. Layers? [x] Single layer [ ] Multi-layer
g. Free Liquid Range (%) 0 to 0 Specific Gravity: 1.3 Viscosity: HIGH BTU/lb: N/A
h. pH Range: 5 to 9
i. Liquid Flash Point: [ ] < 73°F [ ] 73°-99°F [ ] 100°-139°F [ ] 140°-199°F [ ] > 200°F [x] N/A
2. Is this a USEPA hazardous waste (40 CFR Part 261)? If the answer is no, skip to question f
a. If yes, identify ALL USEPA listed and characteristic waste code numbers (D,F,K,P,U)
D008
b. If a characteristic hazardous waste, do underlying hazardous constituents(UHCs) apply-(40 CFR 268.48)? [ ] Yes [x] No
c. Is the waste subject to RCRA Subpart CC Controls-(40 CFR 264.1083 & 265.1084)? [ ] Yes [x] No [ ] ? Click for Add'l Info
d. Is the waste predominately debris subject to the Alternate Debris Standards (40 CFR 268.45)? [x] Yes [ ] No
e. Is the waste predominately soil subject to the Alternate Soil Treatment Standards-(40 CFR 268.49)? [ ] Yes [x] No
f. Does the waste represented by this profile contain asbestos? [x] Yes [ ] No
g. Does the waste represented by this profile contain benzene? [ ] Yes [x] No

Containers # 1, 8 x 9 (No analyt.) May 2007





Generator's Hazardous Waste Profile Sheet

Profile Number

C. Waste Stream Information (continued)

- h. Is this profile for remediation waste from a facility that is a major source of Hazardous Air Pollutants...
i. Does the waste represented by this waste profile sheet contain concentrations of Polychlorinated Biphenyls (PCBs) regulated by 40 CFR 761?
j. Chemical Composition (List all constituents [including halogenated organics, debris, and UHC's] present in any concentration and submit representative analysis):

Table with 5 columns: Constituents (Total Composition Must be > 100%), Lower Range, Unit of Measure, Upper Range, Unit of Measure. Row 1: Circuit Boards w/ Lead, 98, %, >99, %. Row 2: Asbestos Fibers, 0, %, <2, %.

- k. Check any that apply: Pyrophoric, Water Reactive, OSHA Carcinogen, Shock Sensitive, Oxidizer, Infectious
l. Is the waste subject to controls as a Group 1 wastewater or residual under the Hazardous Organic NESHAP?
m. Does the waste represented by this waste profile sheet contain radioactive material?
n. Is the waste from a CERCLA (40 CFR 300, Appendix B) or state mandated clean-up?
o. Is this a State Hazardous Waste?

D. DOT Information and Shipping Volume

- 1. Quantity of Waste
a. Event, Base/Ongoing (check one)
b. Estimated Annual Quantity: 1 X YD3 Box & 2 X 55DM
c. Shipping Frequency: Units: Per: Month, Quarter, Year, One Time, Other
2. Shipping Information
a. Packaging: Roll off/End dump, Drum Type/Size: 1A2 - 55Gallon, Tanker, Super Sack, Tote Bin, Cubic Yard Boxes, Vacuum Box, Other
b. Is this a U.S. Department of Transportation (USDOT) Hazardous Material?
c. Reportable Quantity (lbs.; kgs.): 10lbs
d. Primary/Subsidiary Hazard Class(es)/ID#: 9 NA3077
e. USDOT Shipping Name: RQ Hazardous Waste, Solid, n.o.s. ( Contains Lead ) PG: III

E. Generator Certification (Please read and certify by signature below)

I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of this wastestream. Any sample submitted is representative as defined in 40 CFR 261 - Appendix 1 or by using an equivalent method. I authorize WMI to obtain a sample from any waste shipment for purposes of recertification.

Certification Signature: Title:
Name (Type or Print): Company Name: Date:

Check if additional information is attached. Indicate the number of attached pages

#5 1,849



# Generator's Hazardous Waste Profile Sheet

Profile Number

### C. Waste Stream Information (continued)

- h. Is this profile for remediation waste from a facility that is a major source of Hazardous Air Pollutants (Site Remediation NESHA, 40 CFR 63 subpart GGGGG)?  Yes  No  
If yes, does the waste contain <500 ppm VOHAPs at the point of determination?  Yes  No
- i. Does the waste represented by this waste profile sheet contain concentrations of Polychlorinated Biphenyls (PCBs) regulated by 40 CFR 761? (if yes, list in Chemical Composition - C.2.j)  Yes  No  
Were the PCBs imported into the U.S.?  Yes  No  
Are PCBs regulated under the "Self-Implementing Remediation Section of (Mega) Rule?" 40CFR 761,61(a)  Yes  No
- j. Chemical Composition (List all constituents [including halogenated organics, debris, and UHC's] present in any concentration and submit representative analysis):  (See Attached - for entering additional constituents)

Constituents (Total Composition Must be > 100%)	Lower Range	Unit of Measure	Upper Range	Unit of Measure
1. Circuit Boards w/ Lead	98	%	>99	%
2. Asbestos Fibers	0	%	<2	%
3.				
4.				
5.				
6.				

- k. Check any that apply:  Pyrophoric  Water Reactive  OSHA Carcinogen  Shock Sensitive  Oxidizer  Infectious
- l. Is the waste subject to controls as a Group 1 wastewater or residual under the Hazardous Organic NESHA?  Yes  No  
If yes, is it a Table 8 \_\_\_\_\_ or Table 9 \_\_\_\_\_ compound?
- m. Does the waste represented by this waste profile sheet contain radioactive material?  Yes  No  
Is disposal regulated by the Nuclear Regulatory Commission?  Yes  No  
If NORM, identify isotopes and concentration, \_\_\_\_\_ pCi/g
- n. Is the waste from a CERCLA (40 CFR 300, Appendix B) or state mandated clean-up?  Yes  No  
If yes, attach Record of Decision (ROD), 104/106 or 122 order or court order that governs site clean-up for activity.  
For state mandated clean-up, provide relevant documentation.
- o. Is this a State Hazardous Waste?  Yes  No If yes, please list applicable codes \_\_\_\_\_  
If NY waste codes B001-B007 apply, please complete question C.2.c on page 1.

### D. DOT Information and Shipping Volume

- 1. Quantity of Waste
  - a.  Event  Base/Ongoing (check one)
  - b. Estimated Annual Quantity: 1 X YD3 Box & 2 X 55DM  Tons  Yards  Drums  Other (specify) \_\_\_\_\_
  - c. Shipping Frequency: Units: \_\_\_\_\_ Per:  Month  Quarter  Year  One Time  Other \_\_\_\_\_
- 2. Shipping Information
  - a. Packaging:
    - Roll off/End dump: \_\_\_\_\_  Other: \_\_\_\_\_
    - Drum Type/Size: 1A2 - 55Gallon  Vacuum Box
    - Tanker  Super Sack  Tote Bin  Cubic Yard Boxes
  - b. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If no, skip c, d and e)  Yes  No
  - c. Reportable Quantity (lbs.; kgs.): 10lbs d. Primary/Subsidiary Hazard Class(es)/ID#: 9 NA3077
  - e. USDOT Shipping Name: RQ Hazardous Waste, Solid, n.o.s. (Contains Lead) PG: III

### E. Generator Certification (Please read and certify by signature below)

I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of this wastestream. Any sample submitted is representative as defined in 40 CFR 261 - Appendix 1 or by using an equivalent method. I authorize WMI to obtain a sample from any waste shipment for purposes of recertification. If this certification is made by a broker, the undersigned signs as authorized agent of the generator and has confirmed the information contained in this Profile Sheet from information provided by the generator and additional information as it has determined to be reasonably necessary. If approved for management, Contractor has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile. All relevant information within the possession of the Generator regarding known or suspected hazards pertaining to the waste will be disclosed to the contractor. All changes which occur in the character of the waste will be identified by the Generator and be disclosed to the Contractor prior to providing the waste to the Contractor.

Certification Signature: Anne E. Spauldine Title: Asst. Env. Specialist  
 Name (Type or Print): Anne E. Spauldine Company Name: City of Rochester Date: 7/15/08

Check if additional information is attached. Indicate the number of attached pages \_\_\_\_\_

#5 1,849



Service Agreement on file?  Yes  No Profile Number

Check here if there are multiple generating locations for this waste. Attach additional locations.

Check here if a Certificate of Destruction or Disposal is required

Requested Disposal Facility \_\_\_\_\_

Renewal for Profile Number \_\_\_\_\_ Waste Approval Expiration Date \_\_\_\_\_

**A. Waste Generator Facility Information (must reflect location of waste generation/origin)**

- 1. Generator Name: 354 Whitney Street
- 2. Site Address: 354 Whitney Street
- 3. City/ZIP: Rochester 14606
- 4. State: NY
- 5. County: Monroe
- 6. Contact Name/Title: Anne Spaulding
- 7. Email Address: \_\_\_\_\_
- 8. Phone: (585) 428-7474
- 9. FAX: \_\_\_\_\_
- 10. NAICS Code: 336399
- 11. Generator USEPA ID #: NYR000158204
- 12. State ID# (if applicable): \_\_\_\_\_

**B. Customer Information**  same as above

P. O. Number: \_\_\_\_\_

- 1. Customer Name: Advanced Waste Solutions, Inc.
- 2. Billing Address: PO Box 904
- 3. City, State and ZIP: Lockport, NY 14095
- 4. Contact Name: Mike Herlan
- 5. Contact Email: mherlan@verizon.net
- 6. Phone: 7164391221 FAX: 7164391222
- 7. Transporter Name: TBD
- 8. Transporter ID # (if appl.): \_\_\_\_\_
- 9. Transporter Address: \_\_\_\_\_
- 10. City, State and ZIP: \_\_\_\_\_

**C. Waste Stream Information**

- USEPA Hazardous     State Hazardous     TSCA     Non-Hazardous

1. Description

a. Name of Waste: Sand Blast Grit c/w Metals & Asbestos

b. Process Generating Waste:

**Removal of Sand From Hood During Demolition**

c. Color: Blackish

d. Strong Odor (describe): NONE

e. Physical State at 70°F:  Solid  Liquid  Gas  Sludge  Other: \_\_\_\_\_

f. Layers?  Single layer  Multi-layer

g. Free Liquid Range (%) 0 to 0 Specific Gravity: 1.5 Viscosity: HIGH BTU/lb: N/A

h. pH Range: 5 to 9

i. Liquid Flash Point:  < 73°F  73°-99°F  100°-139°F  140°-199°F  > 200°F  N/A

2. Is this a USEPA hazardous waste (40 CFR Part 261)? If the answer is no, skip to question f  Yes  No

a. If yes, identify ALL USEPA listed and characteristic waste code numbers (D,F,K,P,U)

D004,D006,D008

b. If a characteristic hazardous waste, do underlying hazardous constituents(UHCs) apply-(40 CFR 268.48)?  Yes  No

(if yes, list in Section C.2.j)

c. Is the waste subject to RCRA Subpart CC Controls-(40 CFR 264.1083 & 265.1084)?  Yes  No  ? Click for Add'l Info

If no, does the waste meet the organic LDR Exemption?  Yes  No

If no, does the waste contain <500 ppm volatile organic (VOC's)?  Yes  No

Volatile organic concentration \_\_\_\_\_ ppm

d. Is the waste predominately debris subject to the Alternate Debris Standards (40 CFR 268.45)?  Yes  No

e. Is the waste predominately soil subject to the Alternate Soil Treatment Standards-(40 CFR 268.49)?  Yes  No

If yes, will Underlying Hazardous Constituents apply? (list in C.2.j)  Yes  No

f. Does the waste represented by this profile contain asbestos?  Yes  No

If yes,  Friable  Non-Friable

g. Does the waste represented by this profile contain benzene?  Yes  No

Is this subject to Benzene Operations Waste NESHAP (40 CFR Part 61 Subpart FF)?  Yes  No

If yes, complete Benzene Waste Operations NESHAP (BWON) questionnaire



Generator's Hazardous Waste Profile Sheet

Profile Number

C. Waste Stream Information (continued)

- h. Is this profile for remediation waste from a facility that is a major source of Hazardous Air Pollutants...
i. Does the waste represented by this waste profile sheet contain concentrations of Polychlorinated Biphenyls (PCBs) regulated by 40 CFR 761?
j. Chemical Composition (List all constituents [including halogenated organics, debris, and UHC's] present in any concentration and submit representative analysis):

Table with 5 columns: Constituents (Total Composition Must be > 100%), Lower Range, Unit of Measure, Upper Range, Unit of Measure. Rows include Sand Blast Grit w/ Asbestos Fibers, Cadmium, Lead, Arsenic, Barium as UHC, and Chromium as UHC.

- k. Check any that apply: Pyrophoric, Water Reactive, OSHA Carcinogen, Shock Sensitive, Oxidizer, Infectious
l. Is the waste subject to controls as a Group 1 wastewater or residual under the Hazardous Organic NESHAP?
m. Does the waste represented by this waste profile sheet contain radioactive material?
n. Is the waste from a CERCLA (40 CFR 300, Appendix B) or state mandated clean-up?
o. Is this a State Hazardous Waste?

D. DOT Information and Shipping Volume

- 1. Quantity of Waste
a. Event, Base/Ongoing (check one)
b. Estimated Annual Quantity: 1 X 30DF
c. Shipping Frequency: Units, Per: Month, Quarter, Year, One Time, Other
2. Shipping Information
a. Packaging: Roll off/End dump, Drum Type/Size: 1H2 - 30Gallon, Tanker, Super Sack, Tote Bin, Cubic Yard Boxes, Other, Vacuum Box
b. Is this a U.S. Department of Transportation (USDOT) Hazardous Material?
c. Reportable Quantity (lbs.; kgs.): 10lbs
d. Primary/Subsidiary Hazard Class(es)/ID#: 9 NA3077
e. USDOT Shipping Name: RQ Hazardous Waste, Solid, n.o.s. (Contains Lead, Arsenic) PG: III

E. Generator Certification (Please read and certify by signature below)

I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of this wastestream. Any sample submitted is representative as defined in 40 CFR 261 - Appendix 1 or by using an equivalent method. I authorize WMI to obtain a sample from any waste shipment for purposes of recertification.

Certification Signature: Title:

Name (Type or Print): Company Name: Date:

Check if additional information is attached. Indicate the number of attached pages



Generator's Hazardous Waste Profile Sheet

Profile Number

C. Waste Stream Information (continued)

- h. Is this profile for remediation waste from a facility that is a major source of Hazardous Air Pollutants (Site Remediation NESHAP, 40 CFR 63 subpart GGGGG)?
i. Does the waste represented by this waste profile sheet contain concentrations of Polychlorinated Biphenyls (PCBs) regulated by 40 CFR 761?
j. Chemical Composition (List all constituents [including halogenated organics, debris, and UHC's] present in any concentration and submit representative analysis):

Table with 5 columns: Constituents (Total Composition Must be > 100%), Lower Range, Unit of Measure, Upper Range, Unit of Measure. Rows include Sand Blast Grit w/ Asbestos Fibers, Cadmium, Lead, Arsenic, Barium as UHC, and Chromium as UHC.

- k. Check any that apply: Pyrophoric, Water Reactive, OSHA Carcinogen, Shock Sensitive, Oxidizer, Infectious
l. Is the waste subject to controls as a Group 1 wastewater or residual under the Hazardous Organic NESHAP?
m. Does the waste represented by this waste profile sheet contain radioactive material?
n. Is the waste from a CERCLA (40 CFR 300, Appendix B) or state mandated clean-up?
o. Is this a State Hazardous Waste?

D. DOT Information and Shipping Volume

- 1. Quantity of Waste
a. Event, Base/Ongoing
b. Estimated Annual Quantity: 1 X 30DF
c. Shipping Frequency: Units, Per: Month, Quarter, Year, One Time
2. Shipping Information
a. Packaging: Roll off/End dump, Drum Type/Size: 1H2 - 30Gallon, Tanker, Super Sack, Tote Bin, Other, Vacuum Box, Cubic Yard Boxes
b. Is this a U.S. Department of Transportation (USDOT) Hazardous Material?
c. Reportable Quantity (lbs.; kgs.): 10lbs
d. Primary/Subsidiary Hazard Class(es)/ID#: 9 NA3077
e. USDOT Shipping Name: RQ Hazardous Waste, Solid, n.o.s. (Contains Lead, Arsenic) PG: III

E. Generator Certification (Please read and certify by signature below)

I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of this wastestream. Any sample submitted is representative as defined in 40 CFR 261 - Appendix 1 or by using an equivalent method. I authorize WMI to obtain a sample from any waste shipment for purposes of recertification.

Certification Signature: Anne P. Spanlading Title: An Env. Specialist
Name (Type or Print): Anne P. Spanlading Company Name: City of Rochester Date: 7/15/08

Check if additional information is attached. Indicate the number of attached pages #2

**Upstate Laboratories, Inc.**

Date: 19-Sep-06

**CLIENT:** Lu Engineers  
**Lab Order:** U0609033  
**Project:** 4216 Orchard/Whitney  
**Lab ID:** U0609033-030

**Client Sample ID:** OW-BW-Sand-01  
**Collection Date:** 8/31/06  
**Matrix:** SAND

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>SOIL AND SOLID METALS BY ICP</b>						
		<b>SW6010B</b>		<b>(SW3050A)</b>		Analyst: LJ
Arsenic*	330	1.0		mg/Kg-dry	1	9/14/06 12:37:03 PM
Barium	390	30		mg/Kg-dry	1	9/14/06 12:37:03 PM
Cadmium	20	0.50		mg/Kg-dry	1	9/14/06 12:37:03 PM
Chromium	84	5.0		mg/Kg-dry	1	9/14/06 12:37:03 PM
Lead	1000	10		mg/Kg-dry	1	9/14/06 12:37:03 PM
Selenium*	5.0	0.50		mg/Kg-dry	1	9/14/06 12:37:03 PM
Silver	ND	5.0		mg/Kg-dry	1	9/14/06 12:37:03 PM
<b>TOTAL MERCURY - SOIL/SOLID/WASTE</b>						
		<b>SW7471A</b>		<b>(SW7471A)</b>		Analyst: EA
Mercury	ND	0.201		mg/Kg-dry	1	9/12/06 2:54:37 PM
<b>PERCENT MOISTURE</b>						
		<b>D2216</b>				Analyst: MG
Percent Moisture	0.342	0.00100		wt%	1	9/5/06

**Approved By:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Qualifiers:**

- \* Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

- \*\* Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

# LOOSEPACK CERTIFICATION FORM

Requested By: \_\_\_\_\_ Date Requested \_\_\_\_\_

Alphabetical Prefix of Profile Number: \_\_\_\_\_

**Generator Information**

Generator Name: 354 Whitney Street

Generator Address: 354 Whitney Street Rochester, NY 14606

EPA ID No.: NYR000158204

Contact Person: Anne Spaulding – City of Rochester

Phone: (585) 428-7474

**Customer / Billing Information**

Customer Name: Advanced Waste Solutions, Inc. – Mike Herlan

City & State: PO Box 904, Lockport, NY 14095 (716) 439-1221

Indicate the templates needed by placing a check mark beside the template # below.

All 35

TEMP005L	TEMP050X	TEMP074X	TEMP110X	TEMP210L	TEMP304X
TEMP006L X	TEMP060X	TEMP080X	TEMP120X	TEMP270X	TEMP305X
TEMP010L	TEMP070X	TEMP090X	TEMP130X	TEMP300L	TEMP306X
TEMP030X	TEMP071L	TEMP095L	TEMP150X	TEMP301L	TEMP307X
TEMP031L	TEMP072X	TEMP100L	TEMP200L X	TEMP302X	TEMP400X
TEMP040X	TEMP073X	TEMP101L	TEMP206X	TEMP303X	

**GENERATOR OR DESIGNEE CERTIFICATION**

I hereby certify that all information submitted in profile items 1,4,7,8, 9, 10, 12a, 13,14,15 and 16 of the profiles listed above contain true and accurate descriptions of the waste intended for shipment to VRA / WTI. The signature on incoming Land Disposal Restriction forms at the time of waste receipt will certify the information in items 18,19 and 20. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I authorize VRA / WTI to obtain a sample from any waste shipment for purposes of recertification. This information is the generator's best estimate and is not used as a limitation upon VRA / WTI's receipt of waste shipments or quantities in excess of these estimated amounts.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Printed (or typed) name

\_\_\_\_\_  
Company

Containers # 3,4,5+6

## LOOSEPACK CERTIFICATION FORM

Requested By: \_\_\_\_\_ Date Requested \_\_\_\_\_

Alphabetical Prefix of Profile Number: \_\_\_\_\_

**Generator Information**

Generator Name: 354 Whitney Street

Generator Address: 354 Whitney Street Rochester, NY 14606

EPA ID No.: NYR000158204

Contact Person: Anne Spaulding – City of Rochester

Phone: (585) 428-7474

**Customer / Billing Information**

Customer Name: Advanced Waste Solutions, Inc. – Mike Herlan

City & State: PO Box 904, Lockport, NY 14095 (716) 439-1221

Indicate the templates needed by placing a check mark beside the template # below.

All 35

TEMP005L	TEMP050X	TEMP074X	TEMP110X	TEMP210L	TEMP304X
TEMP006L X	TEMP060X	TEMP080X	TEMP120X	TEMP270X	TEMP305X
TEMP010L	TEMP070X	TEMP090X	TEMP130X	TEMP300L	TEMP306X
TEMP030X	TEMP071L	TEMP095L	TEMP150X	TEMP301L	TEMP307X
TEMP031L	TEMP072X	TEMP100L	TEMP200L X	TEMP302X	TEMP400X
TEMP040X	TEMP073X	TEMP101L	TEMP206X	TEMP303X	

**GENERATOR OR DESIGNEE CERTIFICATION**

I hereby certify that all information submitted in profile items 1,4,7,8, 9, 10, 12a, 13,14,15 and 16 of the profiles listed above contain true and accurate descriptions of the waste intended for shipment to VRA / WTI. The signature on incoming Land Disposal Restriction forms at the time of waste receipt will certify the information in items 18,19 and 20. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I authorize VRA / WTI to obtain a sample from any waste shipment for purposes of recertification. This information is the generator's best estimate and is not used as a limitation upon VRA / WTI's receipt of waste shipments or quantities in excess of these estimated amounts.

Anne Spaulding  
 Signature  
Anne E. Spaulding  
 Printed (or typed) name

Date 7/15/08  
 Company City of Rochester

Containers # 3,4,5+6



**Loosepack Template**  
**Acceptable codes for each template**

**Temp005L**-D001, D008, D018, D019, D020, D021, D022, D023, D024, D025, D026, D027, D028, D029, D030, D031, D032, D033, D034, D035, D036, D037, D038, D039, D040, D041, D042, F001, F002, F003, F004, F005, P005, P017, P022, P023, P024, P027, P064, P067, P102, P110, U002, U019, U037, U048, U052, U057, U061, U068, U071, U079, U080, U083, U084, U108, U154, U159, U161, U169, U196, U208, U209, U211, U213, U220, U226, U227, U239

**Temp006L**-D001, D007, D008, D035, F002, F003, F005

**Temp010L**-D001, D003, D004, D005, D006, D007, D008, D010, D011, D012, D013, D014, D015, D016, D017, D019, D020, D022, D026, D027, D028, D031, D032, D033, D037, D038, D039, D040, D041, D042, F002, F004, F005, K031, K032, K033, K034, K035, K036, K037, K038, K039, K040, K041, K042, K097, K098, P001, P003, P004, P018, P020, P037, P039, P044, P050, P051, P059, P060, P066, P070, P071, P072, P075, P085, P088, P094, P108, P109, P111, P123, U005, U011, U014, U021, U029, U035, U036, U037, U038, U039, U044, U045, U051, U052, U053, U058, U060, U061, U062, U067, U068, U069, U070, U071, U072, U076, U077, U081, U082, U083, U084, U087, U088, U091, U092, U093, U097, U101, U102, U114, U116, U122, U125, U127, U128, U129, U130, U132, U136, U141, U144, U147, U148, U150, U154, U156, U158, U165, U166, U167, U170, U183, U184, U185, U188, U190, U196, U197, U200, U207, U208, U209, U210, U211, U219, U222, U226, U228, U238, U240, U244, U246, U247

**Temp030X**-D001, D003

**Temp031L**-D001, D003, F003, F005, U154, U220, U223, U238, U239

**Temp040X**-D001, P003

**Temp050X**-D001, D003

**Temp060X**-D001, P105

**Temp070X**-D001, D003, P051, P069, U165

**Temp071L**-D001, D003

**Temp072X**-D001, D003, P006, P122

**Temp073X**-D001, D003

**Temp074X**- D001, D003

**Temp080X-D001, P014, P118, U116**

**Temp090X-D001, D003, D004, D005, D006, D007, D008, D010, D011, P001, P018, P021, P024, P029, P030, P042, P077, P098, P099, P103, P104, P106, P108, P116, P121, U048, U080, U081, U082, U149, U169, U246, U248**

**Temp095L- D001, D003, D004, D005, D006, D007, D008, D010, D011, D012, D013, D014, D015, D016, D017, D019, D020, D022, D026, D027, D028, D031, D032, D033, D037, D038, D039, D040, D041, D042, F002, F004, F005, K031, K032, K033, K034, K035, K036, K037, K038, K039, K040, K041, K042, K097, K098, P001, P003, P004, P018, P020, P037, P039, P044, P050, P051, P059, P060, P066, P070, P071, P072, P075, P085, P088, P094, P108, P109, P111, P123, P127, P128, P188, P189, P190, P194, P196, P198, P199, P201, P202, P203, P204, P205, U005, U011, U014, U021, U029, U035, U036, U037, U038, U039, U044, U045, U051, U052, U053, U058, U060, U061, U062, U067, U068, U069, U070, U071, U072, U076, U077, U081, U082, U083, U084, U087, U088, U091, U092, U097, U101, U102, U114, U116, U122, U123, U125, U127, U128, U129, U130, U132, U136, U141, U144, U147, U148, U150, U154, U156, U158, U165, U166, , U170, U183, U184, U185, U188, U190, U196, U197, U200, U207, U208, U209, U210, U211, U219, U222, U226, U228, U238, U240, U244, U246, U247, U271, U278, U279, U280, U367, U372, U373, U387, U389, U409, U410, U411**

**Temp100L-D001, D002, D003, U134**

**Temp101L-D001, D002, D003, D022, F001, F002, F003, F004, F005, F006, P058, P088, U008, U122, U123, U147, U190**

**Temp110X-D001, D002, D003, P009, P048**

**Temp120X-D001, D002, D003, D018**

**Temp130X-D001, D002, D003, P028, U006**

**Temp150X-D001, D002, D003**

**Temp200L-D001, D002, D003**

**Temp206X- D001, D002, D003, F003, F005, P030, P054, P082, P098, P106, U167, U174**

**Temp210L-D001, D002, P007, P008, P046, P084, U110, U194**

**Temp270X-D001, D002, D003, P068, U133**

**Temp300L-D001, D002, D003**

#s 3, 4, 5+6

**Temp301L-D001, D002, D003**

**Temp302X-D001, D002**

**Temp303X-D001, D003**

**Temp304X-D001, D003**

**Temp305X- D001, D002, D003**

**Temp306X- D001, D002, D003**

**Temp307X- D001, D002, D003**

**Temp400X- D001, D002, D003, D035, U159, U160**

## VRA LOOSE PACKS

- 1) INORG LOOSE PACKS MAY NOT CARRY DILUTION RULE CODES
- 2) ALL INNER CONTAINERS MUST BE 5 GALLONS OR LESS

- 005L - FLAMMABLE LIQUIDS LOOSEPACK
- 006L - WATER AND SOLVENT BASED PAINTS LOOSEPACK
- 010L - WASTE PESTICIDES, HERBICIDES, INSECTICIDES LOOSEPACK
- 030X - WASTE HYDRIDES LOOSEPACK
- 031L - ISOCYANATES / RESINS LOOSEPACK
- 040X - ACROLEIN LOOSEPACK
- 050X - SULFIDES LOOSEPACK
- 060X - SODIUM AZIDE LOOSEPACK
- 070X - FLAMMABLE SOLIDS LOOSEPACK
- 071L - WASTE METAL POWDERS IN CONSUMER PACKAGES
- 072X - ALKALI METALS LOOSEPACK
- 073X - PHOSPHORUS (WHITE OR YELLOW) LOOSEPACK
- 074X - NITROCELLULOSE LOOSEPACK
- 080X - MERCAPTANS LOOSEPACK
- 090X - POISON (TOXIC) LOOSEPACK
- 100L - INORGANIC ACIDS LOOSEPACKS
- 101L - ORGANIC ACID LOOSEPACK
- 110X - PICRIC ACID LOOSEPACK
- 120X - PYROPHORIC LIQUIDS LOOSEPACK
- 130X - ACIDIC, WATER-REACTIVE LOOSEPACK
- 150X - SILANE LOOSEPACK
- 200L - BASE LOOSEPACK
- 206X - CORROSIVE POISONS LOOSEPACK
- 210L - ALKYLAMINE LOOSEPACK
- 270X - HYDRAZINE LOOSEPACK
- 700L - NON - HAZ LOOSE PACK
- 795L - PESTICIDES WITH CARBAMATES



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WASTESTREAM SURVEY FORM**

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Please review instructions before completing this form.

Heritage Use Only	
Quote #:	WS#:
Business Type: Repeatabe: <input type="checkbox"/> Non-Repeatabe: <input type="checkbox"/>	
Product Code:	Price:

Preferred TSD Location *:	Charlotte, NC <input type="checkbox"/>	Coolidge, AZ <input type="checkbox"/>	Indianapolis, IN <input type="checkbox"/>	Kansas City, MO <input type="checkbox"/>	Roachdale, IN: Hazardous Landfill <input type="checkbox"/> Non-Hazardous Landfill <input type="checkbox"/>	VRAWTI <input checked="" type="checkbox"/>
Service Location *:	Albany, NY <input checked="" type="checkbox"/>	Blaine, MN <input type="checkbox"/>	East Liverpool, OH <input type="checkbox"/>	Hammond, IN <input type="checkbox"/>	Lemont, IL <input type="checkbox"/>	
	Louisville, KY <input type="checkbox"/>	Signal Hill, CA <input type="checkbox"/>	St. Louis, MO <input type="checkbox"/>	Toledo, OH <input type="checkbox"/>	Tulsa, OK <input type="checkbox"/>	

**1. GENERATOR INFORMATION (Heritage# ) \***

Generator Name 354 Whitney Street  
 Address 354 Whitney Street  
 City, State, Zip Rochester, NY 14606  
 Tech. Contact Name Anne Spaulding  
 Phone 585-428-7474 Fax  
 24 Hour Emergency Number  
 E-mail Address  
 US EPA ID Number NYR000158204  
 State ID Numbers  
 Status LQG  SQG  CESQG  Non-hazardous

**2. BILLING INFORMATION (Heritage # ) \***

Customer Name Advanced Waste Solutions, Inc.  
 Address PO Box 904  
 City, State, Zip Lockport, NY 14095  
 Contact Name Mike Herlan  
 Phone (716)439-1221 Fax (716)439-1222  
 E-mail Address

**3. MANIFEST MAIL ADDRESS (If different from generator)**

Contact Name Anne Spaulding  
 Company Name City of Rochester  
 Address 30 Church St. - City Hall - Room 300-B  
 City, State, Zip Rochester, NY 14614

4. Generator SIC Code If 3312, do you perform Coke Oven Byproduct Recovery Operations? Yes  No  If 28\_\_, 2911, 3312, or 4953, what is the Total Annual Benzene (TAB) in Megagrams/year?

5. Common Name Aerosol Spray Cans

6. Process Generating Waste Discarding of Material During Facility Demolition

7. DOT Description \* (if available)  
Waste Aerosols, Flammable 2.1 UN1950

8. Identify US EPA waste codes D001, D035

9. If D001-D043, are any Underlying Hazardous Constituents (UHCs) present? Yes  No  NA  If yes, list in Section 13.

10. If F001-F005, or F039, list the F-listed hazardous constituents in Section 13.

11. US EPA Form Code \* W209 US EPA Source Code \* G11

12. Identify state waste codes

13. Waste Composition: Using specific chemical names and/or descriptions of waste composition, list all constituents present in the wastestream, and identify those that are underlying hazardous constituents (UHCs), or F001-F005/F039 hazardous constituents. Attach available analysis or MSDSs. Total composition must equal or exceed 100%.

Constituents	Range	Units	UHC?	F-Listed?
Aerosol Spray can w/ Acetone, Xylene, Toluene & Petr. Distillates (Paints, Coatings & Lubricants)	100	%	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
			Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
			Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
			Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
			Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
			Yes <input type="checkbox"/>	Yes <input type="checkbox"/>

14. Color Varies Appearance Aerosol Odor Paint

15. 15a. Chemical Properties 15b. Physical Properties at 70°F

Flash < 73 <input checked="" type="checkbox"/>	BTU/lb < 2,000 <input type="checkbox"/>	Solid <input type="checkbox"/>	Free Liquids? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Point (F°) < 100 <input type="checkbox"/>	2,000-6,000 <input type="checkbox"/>	Liquid <input type="checkbox"/>	Will waste dump out of drums? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
100-140 <input type="checkbox"/>	6,000-10,000 <input type="checkbox"/>	Sludge <input type="checkbox"/>	Is the waste pumpable? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
141-200 <input type="checkbox"/>	> 10,000 <input checked="" type="checkbox"/>	Semi-solid <input type="checkbox"/>	Debris?(List type in Section 13) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
> 200 <input type="checkbox"/>		Powder <input type="checkbox"/>	Is the waste dusty? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Boiling Point (F°) < 100 <input checked="" type="checkbox"/>	pH 5-9	Gas <input checked="" type="checkbox"/>	
> 100 <input type="checkbox"/>	Range	% Solids 20-40%	% Liquids 60-80%

Note: \* These sections will be completed by Heritage if left blank.

Container # 7 (No analytico)

Common Name (same as Item #5): Aserosol Spray Cans

<b>16. Check all that apply. Marking any of these may require additional documentation or follow-up information.</b>			
<b>16a.</b> Aerosols <input checked="" type="checkbox"/> Air Reactive <input type="checkbox"/> Ammonia <input type="checkbox"/> Asbestos <input type="checkbox"/> Autoignitable <input type="checkbox"/> Biological <input type="checkbox"/> Carcinogen <input type="checkbox"/> Chelating Agent <input type="checkbox"/> Compressed Gas <input type="checkbox"/> Dioxins <input type="checkbox"/> Etiological <input type="checkbox"/> Explosive <input type="checkbox"/> Herbicide <input type="checkbox"/> Infectious <input type="checkbox"/> Insecticide <input type="checkbox"/> Lab Pack <input type="checkbox"/> Medical <input type="checkbox"/> Metal Fines <input type="checkbox"/>	<input checked="" type="checkbox"/> Metal Powders <input type="checkbox"/> Oxidizer <input type="checkbox"/> Pathogen <input type="checkbox"/> Pesticide <input type="checkbox"/> Polymerizable <input type="checkbox"/> Pyrophoric <input type="checkbox"/> Radioactive <input type="checkbox"/> Sanitary <input type="checkbox"/> Sharps <input type="checkbox"/> Shock Sensitive <input type="checkbox"/> Spontaneously Combustible <input type="checkbox"/> Sulfide <input type="checkbox"/> Temperature Control Required <input type="checkbox"/> Temperature Sensitive <input type="checkbox"/> Water Reactive	<b>16b.</b> Used oil? (per 40 CFR 279) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>  Used oil mixed with hazardous waste? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>  Total Halogens (TX) concentration? < 1000 PPM <input checked="" type="checkbox"/> > 1000 PPM <input type="checkbox"/>	<b>16c.</b> PCBs? (per 40 CFR 761) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>  If yes, PCB concentration? < 50 PPM <input type="checkbox"/> > 50 PPM <input type="checkbox"/>  Greater than 50 PPM source? Yes <input type="checkbox"/> No <input type="checkbox"/>
<b>16e.</b> Volatile Organic Compound > 500 PPM? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Subject to Subpart CC? (per 40 CFR 265.1080-1091) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		<b>16f.</b> Do any exclusions/exemptions apply? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, note the exclusion/exemption: _____	
<b>16g.</b> Generated from electroplating process? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		<b>16h.</b> Additional Comments: _____	

<b>17. Transporter:</b> Heritage Transport <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> (Complete below) Transporter Name <u>Freehold Cartage?</u> Address _____ City, State, Zip _____ Contact/Phone _____ US EPA ID No. _____	<b>18. Packaging:</b> Bulk Liquid <input type="checkbox"/> Bulk Solid <input type="checkbox"/> Cu Yd Bag/Box <input type="checkbox"/> Cylinder <input type="checkbox"/> Drum <input checked="" type="checkbox"/> Tote (Metal) <input type="checkbox"/> Tote (Poly) <input type="checkbox"/>	<b>Size:</b> _____ _____ <u>5Gallon</u> _____ _____	<b>19. Volume:</b> _____ _____ <u>1/Year</u> <u>1/Shipment</u>
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**20. Check or List Attachments:** Lab Data  MSDS  Cylinder Form  Packing List  Other (list)

**21. CERTIFICATION** *Sign and date the certification.*

I hereby certify that I am an authorized agent of the generator, and warrant on behalf of the generator, that all information submitted herein and attached documentation contains true, accurate and complete descriptions of this material. Any sample submitted for analysis is representative of the material being offered for approval. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I will notify Heritage Environmental Services, LLC or Von Roll America, Inc. of any changes in generator status, any information on this form, or any information on the attachments. This certification and signature apply to this form, to all attachments checked in section 20, and to the land disposal restriction notification (LDR) generated from this information.

Signature \_\_\_\_\_ Printed Name \_\_\_\_\_ Date \_\_\_\_\_ Company \_\_\_\_\_

<b>22. COMPLETE THIS SECTION FOR NON-HAZARDOUS MATERIAL BEING MANAGED TO A NON-HAZARDOUS PROCESS (EXAMPLE: SUBTITLE D LANDFILL or MASS-BURN)</b>			
22a. Does this waste exhibit the chemical characterization of an oxidizer? Yes <input type="checkbox"/> No <input type="checkbox"/>			
22b. Is this waste a listed waste? (U, P, K, or F codes) Yes <input type="checkbox"/> No <input type="checkbox"/>		22c. This waste is not characteristically hazardous for D001-D043 based on attached lab data (mark LD), attached MSDS (mark MSDS), or generator knowledge (mark GK).	
D001 (Ignitability) _____	<b>TCLP VOLATILES</b>	<b>TCLP SEMI-VOLATILES</b>	D038 Pyridine _____
D002 (Corrosivity) _____	D018 Benzene _____	D023 o-Cresol _____	D041 2,4,5-Trichlorophenol _____
D003 (Reactivity) _____	D019 Carbon Tetrachloride _____	D024 m-Cresol _____	D042 2,4,6-Trichlorophenol _____
<b>TCLP METALS</b>	D021 Chlorobenzene _____	D025 p-Cresol _____	<b>HERBICIDES &amp; PESTICIDES</b>
D004 Arsenic _____	D022 Chloroform _____	D026 Cresol _____	D012 Endrin _____
D005 Barium _____	D028 1,2-Dichloroethane _____	D027 1,4-Dichlorobenzene _____	D013 Lindane _____
D006 Cadmium _____	D029 1,1-Dichloroethylene _____	D030 2,4-Dinitrotoluene _____	D014 Methoxychlor _____
D007 Chromium _____	D035 Methyl Ethyl Ketone _____	D032 Hexachlorobenzene _____	D015 Toxaphene _____
D008 Lead _____	D039 Tetrachloroethylene _____	D033 Hexachlorobutadiene _____	D016 2,4-D _____
D009 Mercury _____	D040 Trichloroethylene _____	D034 Hexachloroethane _____	D017 2,4,5-TP (Silvex) _____
D010 Selenium _____	D043 Vinyl Chloride _____	D036 Nitrobenzene _____	D020 Chlordane _____
D011 Silver _____		D037 Pentachlorophenol _____	D031 Heptachlor _____

# 7

Common Name (same as Item #5): Aserosol Spray Cans

<b>16. Check all that apply. Marking any of these may require additional documentation or follow-up information.</b>			
<b>16a.</b> Aerosols <input checked="" type="checkbox"/> <b>Metal Powders</b> <input type="checkbox"/> Air Reactive <input type="checkbox"/> <b>Oxidizer</b> <input type="checkbox"/> Ammonia <input type="checkbox"/> <b>Pathogen</b> <input type="checkbox"/> Asbestos <input type="checkbox"/> <b>Pesticide</b> <input type="checkbox"/> Autoignitable <input type="checkbox"/> <b>Polymerizable</b> <input type="checkbox"/> Biological <input type="checkbox"/> <b>Pyrophoric</b> <input type="checkbox"/> Carcinogen <input type="checkbox"/> <b>Radioactive</b> <input type="checkbox"/> Chelating Agent <input type="checkbox"/> <b>Sanitary</b> <input type="checkbox"/> Compressed Gas <input type="checkbox"/> <b>Sharps</b> <input type="checkbox"/> Dioxins <input type="checkbox"/> <b>Shock Sensitive</b> <input type="checkbox"/> Etiological <input type="checkbox"/> <b>Spontaneously</b> <input type="checkbox"/> Explosive <input type="checkbox"/> <b>Combustible</b> <input type="checkbox"/> Herbicide <input type="checkbox"/> <b>Sulfide</b> <input type="checkbox"/> Infectious <input type="checkbox"/> <b>Temperature</b> <input type="checkbox"/> Insecticide <input type="checkbox"/> <b>Control Required</b> <input type="checkbox"/> Lab Pack <input type="checkbox"/> <b>Temperature</b> <input type="checkbox"/> Medical <input type="checkbox"/> <b>Sensitive</b> <input type="checkbox"/> Metal Fines <input type="checkbox"/> <b>Water Reactive</b> <input type="checkbox"/>	<b>16b.</b> Used oil? (per 40 CFR 279) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>  Used oil mixed with hazardous waste? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>  Total Halogens (TX) concentration? < 1000 PPM <input checked="" type="checkbox"/> > 1000 PPM <input type="checkbox"/>	<b>16c.</b> PCBs? (per 40 CFR 761) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>  If yes, PCB concentration? < 50 PPM <input type="checkbox"/> > 50 PPM <input type="checkbox"/>  Greater than 50 PPM source? Yes <input type="checkbox"/> No <input type="checkbox"/>	<b>16d.</b> Does this material require any special handling? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>  If yes, explain: _____
<b>16e.</b> Volatile Organic Compound > 500 PPM? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Subject to Subpart CC? (per 40 CFR 265.1080-1091) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		<b>16f.</b> Do any exclusions/exemptions apply? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, note the exclusion/exemption: _____	
<b>16g.</b> Generated from electroplating process? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		<b>16h.</b> Additional Comments: _____	

<b>17. Transporter:</b> Heritage Transport <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> (Complete below) Transporter Name <u>Freehold Cartage?</u> Address _____ City, State, Zip _____ Contact/Phone _____ US EPA ID No. _____	<b>18. Packaging:</b> Bulk Liquid <input type="checkbox"/> Bulk Solid <input type="checkbox"/> Cu Yd Bag/Box <input type="checkbox"/> Cylinder <input type="checkbox"/> Drum <input checked="" type="checkbox"/> Tote (Metal) <input type="checkbox"/> Tote (Poly) <input type="checkbox"/>	<b>Size:</b> _____ _____ 5Gallon _____ _____	<b>19. Volume:</b> _____ 1/Year 1/Shipment _____
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------	--------------------------------------------------------------

**20. Check or List Attachments:** Lab Data  MSDS  Cylinder Form  Packing List  Other (list)

**21. CERTIFICATION** Sign and date the certification.

I hereby certify that I am an authorized agent of the generator, and warrant on behalf of the generator, that all information submitted herein and attached documentation contains true, accurate and complete descriptions of this material. Any sample submitted for analysis is representative of the material being offered for approval. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I will notify Heritage Environmental Services, LLC or Von Roll America, Inc. of any changes in generator status, any information on this form, or any information on the attachments. This certification and signature apply to this form, to all attachments checked in section 20, and to the land disposal restriction notification (LDR) generated from this information.

Signature Anne E. Spaulding Printed Name Anne E. Spaulding Date 7/15/08 Company City of Rochester

<b>22. COMPLETE THIS SECTION FOR NON-HAZARDOUS MATERIAL BEING MANAGED TO A NON-HAZARDOUS PROCESS (EXAMPLE: SUBTITLE D LANDFILL or MASS-BURN)</b>			
22a. Does this waste exhibit the chemical characterization of an oxidizer? Yes <input type="checkbox"/> No <input type="checkbox"/>			
22b. Is this waste a listed waste? (U, P, K, or F codes) Yes <input type="checkbox"/> No <input type="checkbox"/>		22c. This waste is not characteristically hazardous for D001-D043 based on attached lab data (mark LD), attached MSDS (mark MSDS), or generator knowledge (mark GK).	
D001 (Ignitability) _____ D002 (Corrosivity) _____ D003 (Reactivity) _____ <b>TCLP METALS</b> D004 Arsenic _____ D005 Barium _____ D006 Cadmium _____ D007 Chromium _____ D008 Lead _____ D009 Mercury _____ D010 Selenium _____ D011 Silver _____	<b>TCLP VOLATILES</b> D018 Benzene _____ D019 Carbon Tetrachloride _____ D021 Chlorobenzene _____ D022 Chloroform _____ D028 1,2 -Dichloroethane _____ D029 1,1-Dichloroethylene _____ D035 Methyl Ethyl Ketone _____ D039 Tetrachloroethylene _____ D040 Trichloroethylene _____ D043 Vinyl Chloride _____	<b>TCLP SEMI-VOLATILES</b> D023 o-Cresol _____ D024 m-Cresol _____ D025 p-Cresol _____ D026 Cresol _____ D027 1,4-Dichlorobenzene _____ D030 2,4-Dinitrotoluene _____ D032 Hexachlorobenzene _____ D033 Hexachlorobutadiene _____ D034 Hexachloroethane _____ D036 Nitrobenzene _____ D037 Pentachlorophenol _____	D038 Pyridine _____ D041 2,4,5-Trichlorophenol _____ D042 2,4,6-Trichlorophenol _____ <b>HERBICIDES &amp; PESTICIDES</b> D012 Endrin _____ D013 Lindane _____ D014 Methoxychlor _____ D015 Toxaphene _____ D016 2,4-D _____ D017 2,4,5-TP (Silvex) _____ D020 Chlordane _____ D031 Heptachlor _____



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Please review instructions before completing this form.

Heritage Use Only	
Quote #:	WS#:
Business Type: Repeatable: <input type="checkbox"/> Non-Repeatable: <input type="checkbox"/>	
Product Code:	Price:

Preferred TSD Location *:	Charlotte, NC <input type="checkbox"/>	Coolidge, AZ <input type="checkbox"/>	Indianapolis, IN <input type="checkbox"/>	Kansas City, MO <input type="checkbox"/>	Roachdale, IN: Hazardous Landfill <input type="checkbox"/> Non-Hazardous Landfill <input type="checkbox"/>	VRAWTI <input checked="" type="checkbox"/>
Service Location *:	Albany, NY <input checked="" type="checkbox"/>	Blaine, MN <input type="checkbox"/>	East Liverpool, OH <input type="checkbox"/>	Hammond, IN <input type="checkbox"/>	Lemont, IL <input type="checkbox"/>	
	Louisville, KY <input type="checkbox"/>	Signal Hill, CA <input type="checkbox"/>	St. Louis, MO <input type="checkbox"/>	Toledo, OH <input type="checkbox"/>	Tulsa, OK <input type="checkbox"/>	

<b>1. GENERATOR INFORMATION (Heritage# ) *</b>	
Generator Name	354 Whitney Street
Address	354 Whitney Street
City, State, Zip	Rochester, NY 14606
Tech. Contact Name	Anne Spaulding
Phone	585-428-7474 Fax
24 Hour Emergency Number	
E-mail Address	
US EPA ID Number	NYR000158204
State ID Numbers	
Status	LQG <input checked="" type="checkbox"/> SQG <input type="checkbox"/> CESQG <input type="checkbox"/> Non-hazardous <input type="checkbox"/>

<b>2. BILLING INFORMATION (Heritage # ) *</b>	
Customer Name	Advanced Waste Solutions, Inc.
Address	PO Box 904
City, State, Zip	Lockport, NY 14095
Contact Name	Mike Herlan
Phone	(716)439-1221 Fax (716)439-1222
E-mail Address	
<b>3. MANIFEST MAIL ADDRESS (if different from generator)</b>	
Contact Name	Anne Spaulding
Company Name	City of Rochester
Address	30 Church St. - City Hall - Room 300-B
City, State, Zip	Rochester, NY 14614

4. Generator SIC Code	If 3312, do you perform Coke Oven Byproduct Recovery Operations? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If 28 __, 2911, 3312, or 4953, what is the Total Annual Benzene (TAB) in Megagrams/year?
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5. Common Name Transformer/Lube Oil

6. Process Generating Waste Discarding of Material During Facility Demolition

7. DOT Description \* (if available)  
USDOT Non-Regulated, Non-Hazardous Waste Oil

8. Identify US EPA waste codes N/A

9. If D001-D043, are any Underlying Hazardous Constituents (UHCs) present? Yes  No  NA  If yes, list in Section 13.

10. If F001-F005, or F039, list the F-listed hazardous constituents in Section 13.

11. US EPA Form Code \* W206 US EPA Source Code \* G15

12. Identify state waste codes

13. Waste Composition: Using specific chemical names and/or descriptions of waste composition, list all constituents present in the wastestream, and identify those that are underlying hazardous constituents (UHCs), or F001-F005/F039 hazardous constituents. Attach available analysis or MSDSs. Total composition must equal or exceed 100%.

Constituents	Range	Units	UHC?	F-Listed?
Non-PCB Transformer/Lube Oil	100	%	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
* See Analytical Attached			Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
			Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
			Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
			Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
			Yes <input type="checkbox"/>	Yes <input type="checkbox"/>

14. Color Blackish Appearance Oil Odor Oily

15.	<b>15a. Chemical Properties</b>				<b>15b. Physical Properties at 70°F</b>			
	Flash < 73 <input type="checkbox"/>	BTU/lb < 2,000 <input type="checkbox"/>	Solid <input type="checkbox"/>	Free Liquids? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Point (F°) < 100 <input type="checkbox"/>	2,000-6,000 <input type="checkbox"/>	Liquid <input checked="" type="checkbox"/>	Will waste dump out of drums? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	100-140 <input type="checkbox"/>	6,000-10,000 <input checked="" type="checkbox"/>	Sludge <input type="checkbox"/>	Is the waste pumpable? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	141-200 <input type="checkbox"/>	> 10,000 <input type="checkbox"/>	Semi-solid <input type="checkbox"/>	Debris?(List type in Section 13) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
> 200 <input checked="" type="checkbox"/>		Powder <input type="checkbox"/>	Is the waste dusty? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			Gas <input type="checkbox"/>		
Boiling Point (F°) < 100 <input type="checkbox"/>	pH 5-9	% Solids 0%	% Liquids 100%	> 100 <input checked="" type="checkbox"/>	Range	Note: * These sections will be completed by Heritage if left blank.		

Containers # 10 x 20



Common Name (same as Item #5): Transformer/Lube Oil

16. Check all that apply. Marking any of these may require additional documentation or follow-up information.

<p>16a.</p> <p>Aerosols <input type="checkbox"/> Metal Powders <input type="checkbox"/></p> <p>Air Reactive <input type="checkbox"/> Oxidizer <input type="checkbox"/></p> <p>Ammonia <input type="checkbox"/> Pathogen <input type="checkbox"/></p> <p>Asbestos <input type="checkbox"/> Pesticide <input type="checkbox"/></p> <p>Autoignitable <input type="checkbox"/> Polymerizable <input type="checkbox"/></p> <p>Biological <input type="checkbox"/> Pyrophoric <input type="checkbox"/></p> <p>Carcinogen <input type="checkbox"/> Radioactive <input type="checkbox"/></p> <p>Chelating Agent <input type="checkbox"/> Sanitary <input type="checkbox"/></p> <p>Compressed Gas <input type="checkbox"/> Sharps <input type="checkbox"/></p> <p>Dioxins <input type="checkbox"/> Shock Sensitive <input type="checkbox"/></p> <p>Etiological <input type="checkbox"/> Spontaneously <input type="checkbox"/></p> <p>Explosive <input type="checkbox"/> Combustible <input type="checkbox"/></p> <p>Herbicide <input type="checkbox"/> Sulfide <input type="checkbox"/></p> <p>Infectious <input type="checkbox"/> Temperature <input type="checkbox"/></p> <p>Insecticide <input type="checkbox"/> Control Required <input type="checkbox"/></p> <p>Lab Pack <input type="checkbox"/> Temperature <input type="checkbox"/></p> <p>Medical <input type="checkbox"/> Sensitive <input type="checkbox"/></p> <p>Metal Fines <input type="checkbox"/> Water Reactive <input type="checkbox"/></p>	<p>16b.</p> <p>Used oil? (per 40 CFR 279) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>Used oil mixed with hazardous waste? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>Total Halogens (TX) concentration? &lt; 1000 PPM <input checked="" type="checkbox"/> &gt; 1000 PPM <input type="checkbox"/></p>	<p>16c.</p> <p>PCBs? (per 40 CFR 761) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>If yes, PCB concentration? &lt; 50 PPM <input type="checkbox"/> &gt; 50 PPM <input type="checkbox"/></p> <p>Greater than 50 PPM source? Yes <input type="checkbox"/> No <input type="checkbox"/></p>
<p>16d. Does this material require any special handling? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>If yes, explain: _____</p>		
<p>16e. Volatile Organic Compound &gt; 500 PPM? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>Subject to Subpart CC? (per 40 CFR 265.1080-1091) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>		<p>16f. Do any exclusions/exemptions apply? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>If yes, note the exclusion/exemption: _____</p>
<p>16g. Generated from electroplating process? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>		<p>16h. Additional Comments: _____</p>

<p>17. Transporter: Heritage Transport <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> (Complete below)</p> <p>Transporter Name <u>Freehold Cartage?</u></p> <p>Address _____</p> <p>City, State, Zip _____</p> <p>Contact/Phone _____</p> <p>US EPA ID No. _____</p>	<p>18. Packaging:</p> <p>Bulk Liquid <input type="checkbox"/></p> <p>Bulk Solid <input type="checkbox"/></p> <p>Cu Yd Bag/Box <input type="checkbox"/></p> <p>Cylinder <input type="checkbox"/></p> <p>Drum <input checked="" type="checkbox"/></p> <p>Tote (Metal) <input type="checkbox"/></p> <p>Tote (Poly) <input type="checkbox"/></p>	<p>Size:</p> <p>_____</p> <p>_____</p> <p>55Gallon</p> <p>_____</p> <p>_____</p>	<p>19. Volume:</p> <p>_____</p> <p>2/Year</p> <p>2/Shipment</p>
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20. Check or List Attachments: Lab Data  MSDS  Cylinder Form  Packing List  Other (list)

21. CERTIFICATION Sign and date the certification.

I hereby certify that I am an authorized agent of the generator, and warrant on behalf of the generator, that all information submitted herein and attached documentation contains true, accurate and complete descriptions of this material. Any sample submitted for analysis is representative of the material being offered for approval. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I will notify Heritage Environmental Services, LLC or Von Roll America, Inc. of any changes in generator status, any information on this form, or any information on the attachments. This certification and signature apply to this form, to all attachments checked in section 20, and to the land disposal restriction notification (LDR) generated from this information.

Signature \_\_\_\_\_ Printed Name \_\_\_\_\_ Date \_\_\_\_\_ Company \_\_\_\_\_

22. COMPLETE THIS SECTION FOR NON-HAZARDOUS MATERIAL BEING MANAGED TO A NON-HAZARDOUS PROCESS (EXAMPLE: SUBTITLE D LANDFILL or MASS-BURN)

22a. Does this waste exhibit the chemical characterization of an oxidizer? Yes  No

22b. Is this waste a listed waste? (U, P, K, or F codes) Yes  No

22c. This waste is not characteristically hazardous for D001-D043 based on attached lab data (mark LD), attached MSDS (mark MSDS), or generator knowledge (mark GK).

<p>D001 (Ignitability) _____</p> <p>D002 (Corrosivity) _____</p> <p>D003 (Reactivity) _____</p>	<p><b>TCLP VOLATILES</b></p> <p>D018 Benzene _____</p> <p>D019 Carbon Tetrachloride _____</p> <p>D021 Chlorobenzene _____</p> <p>D022 Chloroform _____</p> <p>D028 1,2-Dichloroethane _____</p> <p>D029 1,1-Dichloroethylene _____</p> <p>D035 Methyl Ethyl Ketone _____</p> <p>D039 Tetrachloroethylene _____</p> <p>D040 Trichloroethylene _____</p> <p>D043 Vinyl Chloride _____</p>	<p><b>TCLP SEMI-VOLATILES</b></p> <p>D023 o-Cresol _____</p> <p>D024 m-Cresol _____</p> <p>D025 p-Cresol _____</p> <p>D026 Cresol _____</p> <p>D027 1,4-Dichlorobenzene _____</p> <p>D030 2,4-Dinitrotoluene _____</p> <p>D032 Hexachlorobenzene _____</p> <p>D033 Hexachlorobutadiene _____</p> <p>D034 Hexachloroethane _____</p> <p>D036 Nitrobenzene _____</p> <p>D037 Pentachlorophenol _____</p>	<p>D038 Pyridine _____</p> <p>D041 2,4,5-Trichlorophenol _____</p> <p>D042 2,4,6-Trichlorophenol _____</p> <p><b>HERBICIDES &amp; PESTICIDES</b></p> <p>D012 Endrin _____</p> <p>D013 Lindane _____</p> <p>D014 Methoxychlor _____</p> <p>D015 Toxaphene _____</p> <p>D016 2,4-D _____</p> <p>D017 2,4,5-TP (Silvex) _____</p> <p>D020 Chlordane _____</p> <p>D031 Heptachlor _____</p>
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#5 10+20

Common Name (same as Item #5): Transformer/Lube Oil

16. Check all that apply. Marking any of these may require additional documentation or follow-up information.

<b>16a.</b> Aerosols <input type="checkbox"/> Metal Powders <input type="checkbox"/> Air Reactive <input type="checkbox"/> Oxidizer <input type="checkbox"/> Ammonia <input type="checkbox"/> Pathogen <input type="checkbox"/> Asbestos <input type="checkbox"/> Pesticide <input type="checkbox"/> Autoignitable <input type="checkbox"/> Polymerizable <input type="checkbox"/> Biological <input type="checkbox"/> Pyrophoric <input type="checkbox"/> Carcinogen <input type="checkbox"/> Radioactive <input type="checkbox"/> Chelating Agent <input type="checkbox"/> Sanitary <input type="checkbox"/> Compressed Gas <input type="checkbox"/> Sharps <input type="checkbox"/> Dioxins <input type="checkbox"/> Shock Sensitive <input type="checkbox"/> Etiological <input type="checkbox"/> Spontaneously <input type="checkbox"/> Explosive <input type="checkbox"/> Combustible <input type="checkbox"/> Herbicide <input type="checkbox"/> Sulfide <input type="checkbox"/> Infectious <input type="checkbox"/> Temperature <input type="checkbox"/> Insecticide <input type="checkbox"/> Control Required <input type="checkbox"/> Lab Pack <input type="checkbox"/> Temperature <input type="checkbox"/> Medical <input type="checkbox"/> Sensitive <input type="checkbox"/> Metal Fines <input type="checkbox"/> Water Reactive <input type="checkbox"/>	<b>16b.</b> Used oil? (per 40 CFR 279) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>  Used oil mixed with hazardous waste? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>  Total Halogens (TX) concentration? < 1000 PPM <input checked="" type="checkbox"/> > 1000 PPM <input type="checkbox"/>	<b>16c.</b> PCBs? (per 40 CFR 761) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>  If yes, PCB concentration? < 50 PPM <input type="checkbox"/> > 50 PPM <input type="checkbox"/>  Greater than 50 PPM source? Yes <input type="checkbox"/> No <input type="checkbox"/>
<b>16e.</b> Volatile Organic Compound > 500 PPM? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Subject to Subpart CC? (per 40 CFR 265.1080-1091) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		<b>16d.</b> Does this material require any special handling? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, explain: _____
<b>16f.</b> Do any exclusions/exemptions apply? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, note the exclusion/exemption: _____		<b>16g.</b> Generated from electroplating process? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
<b>16h.</b> Additional Comments: _____		

17. Transporter: Heritage Transport <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> (Complete below) Transporter Name <u>Freehold Cartage?</u> Address _____ City, State, Zip _____ Contact/Phone _____ US EPA ID No. _____	18. Packaging: Bulk Liquid <input type="checkbox"/> Bulk Solid <input type="checkbox"/> Cu Yd Bag/Box <input type="checkbox"/> Cylinder <input type="checkbox"/> Drum <input checked="" type="checkbox"/> Tote (Metal) <input type="checkbox"/> Tote (Poly) <input type="checkbox"/>	Size: _____ _____ _____ 55Gallon _____	19. Volume: _____ 2/Year 2/Shipment
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20. Check or List Attachments: Lab Data  MSDS  Cylinder Form  Packing List  Other (list)

21. CERTIFICATION Sign and date the certification.

I hereby certify that I am an authorized agent of the generator, and warrant on behalf of the generator, that all information submitted herein and attached documentation contains true, accurate and complete descriptions of this material. Any sample submitted for analysis is representative of the material being offered for approval. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I will notify Heritage Environmental Services, LLC or Von Roll America, Inc. of any changes in generator status, any information on this form, or any information on the attachments. This certification and signature apply to this form, to all attachments checked in section 20, and to the land disposal restriction notification (LDR) generated from this information.

Anne E. Spaulding Signature      Anne E. Spaulding Printed Name      7/15/08 Date      City of Rochester Company

22. COMPLETE THIS SECTION FOR NON-HAZARDOUS MATERIAL BEING MANAGED TO A NON-HAZARDOUS PROCESS (EXAMPLE: SUBTITLE D LANDFILL or MASS-BURN)

22a. Does this waste exhibit the chemical characterization of an oxidizer? Yes  No

22b. Is this waste a listed waste? (U, P, K, or F codes) Yes  No

22c. This waste is not characteristically hazardous for D001-D043 based on attached lab data (mark LD), attached MSDS (mark MSDS), or generator knowledge (mark GK).

D001 (Ignitability) _____ D002 (Corrosivity) _____ D003 (Reactivity) _____ <b>TCLP METALS</b> D004 Arsenic _____ D005 Barium _____ D006 Cadmium _____ D007 Chromium _____ D008 Lead _____ D009 Mercury _____ D010 Selenium _____ D011 Silver _____	<b>TCLP VOLATILES</b> D018 Benzene _____ D019 Carbon Tetrachloride _____ D021 Chlorobenzene _____ D022 Chloroform _____ D028 1,2-Dichloroethane _____ D029 1,1-Dichloroethylene _____ D035 Methyl Ethyl Ketone _____ D038 Tetrachloroethylene _____ D040 Trichloroethylene _____ D043 Vinyl Chloride _____	<b>TCLP SEMI-VOLATILES</b> D023 o-Cresol _____ D024 m-Cresol _____ D025 p-Cresol _____ D026 Cresol _____ D027 1,4-Dichlorobenzene _____ D030 2,4-Dinitrotoluene _____ D032 Hexachlorobenzene _____ D033 Hexachlorobutadiene _____ D034 Hexachloroethane _____ D036 Nitrobenzene _____ D037 Pentachlorophenol _____	D038 Pyridine _____ D041 2,4,5-Trichlorophenol _____ D042 2,4,6-Trichlorophenol _____ <b>HERBICIDES &amp; PESTICIDES</b> D012 Endrin _____ D013 Lindane _____ D014 Methoxychlor _____ D015 Toxaphene _____ D018 2,4-D _____ D017 2,4,5-TP (Silvex) _____ D020 Chlordane _____ D031 Heptachlor _____
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# Upstate Laboratories, Inc.

## Analytical Report

Date: 16-May-08

CLIENT: Lu Engineers  
Lab Order: U0805249  
Project: 4216/Orchard/Whitney ERP  
Lab ID: U0805249-001

Client Sample ID: O/W-Transformer #2.  
Collection Date: 5/13/2008 2:00:00 PM

Matrix: OIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>POLYCHLORINATED BIPHENYLS IN OIL</b>				<b>SW8082</b>	<b>(SW3580A)</b>	Analyst: EA
Aroclor 1016	ND	0.50		mg/Kg	1	5/15/2008
Aroclor 1221	ND	0.50		mg/Kg	1	5/15/2008
Aroclor 1232	ND	0.50		mg/Kg	1	5/15/2008
Aroclor 1242	ND	0.50		mg/Kg	1	5/15/2008
Aroclor 1248	ND	0.50		mg/Kg	1	5/15/2008
Aroclor 1254	ND	0.50		mg/Kg	1	5/15/2008
Aroclor 1260	ND	0.50		mg/Kg	1	5/15/2008

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_

Page 1 of 3

Qualifiers: \* Low Level  
B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit

\*\* Value exceeds Maximum Contaminant Value  
E Value above quantitation range  
J Analyte detected below quantitation limits  
S Spike Recovery outside accepted recovery limits

#s 10+20

**Upstate Laboratories, Inc.**

**Analytical Report**

Date: 16-May-08

CLIENT: Lu Engineers  
 Lab Order: U0805249  
 Project: 4216/Orchard/Whitney ERP  
 Lab ID: U0805249-002

Client Sample ID: O/W-Transformer #3  
 Collection Date: 5/13/2008 2:15:00 PM

Matrix: OIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>POLYCHLORINATED BIPHENYLS IN OIL</b>				<b>SW8082</b>	<b>(SW3580A)</b>	Analyst: EA
Aroclor 1016	ND	0.50		mg/Kg	1	5/15/2008
Aroclor 1221	ND	0.50		mg/Kg	1	5/15/2008
Aroclor 1232	ND	0.50		mg/Kg	1	5/15/2008
Aroclor 1242	ND	0.50		mg/Kg	1	5/15/2008
Aroclor 1248	ND	0.50		mg/Kg	1	5/15/2008
Aroclor 1254	ND	0.50		mg/Kg	1	5/15/2008
Aroclor 1260	ND	0.50		mg/Kg	1	5/15/2008

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_

Page 2 of 3

Qualifiers: \* Low Level  
 B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit

\*\* Value exceeds Maximum Contaminant Value  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits

#s 10+20

# Upstate Laboratories, Inc.

## Analytical Report

Date: 16-May-08

**CLIENT:** Lu Engineers **Client Sample ID:** O/W-Hydraulic PJ  
**Lab Order:** U0805249 **Collection Date:** 5/13/2008 3:00:00 PM  
**Project:** 4216/Orchard/Whitney ERP  
**Lab ID:** U0805249-003 **Matrix:** OIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>POLYCHLORINATED BIPHENYLS IN OIL</b>				<b>SW8082</b>	<b>(SW3580A)</b>	Analyst: EA
Aroclor 1016	ND	1.0		mg/Kg	2	5/15/2008
Aroclor 1221	ND	1.0		mg/Kg	2	5/15/2008
Aroclor 1232	ND	1.0		mg/Kg	2	5/15/2008
Aroclor 1242	ND	1.0		mg/Kg	2	5/15/2008
Aroclor 1248	ND	1.0		mg/Kg	2	5/15/2008
Aroclor 1254	ND	1.0		mg/Kg	2	5/15/2008
Aroclor 1260	ND	1.0		mg/Kg	2	5/15/2008

**NOTES:**

The reporting limits were raised due to matrix interference.

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_

Page 3 of 3

**Qualifiers:**  
 \* Low Level  
 B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit

\*\* Value exceeds Maximum Contaminant Value  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits

#s 10+20

# Upstate Laboratories, Inc.

## Analytical Report

Date: 12-Jun-08

CLIENT: Lu Engineers Client Sample ID: Yellow Drum Waste Oil-BR1  
 Lab Order: U0805470 Collection Date: 5/22/2008 1:30:00 PM  
 Project: 42001 Orchard/Whitney ERP  
 Lab ID: U0805470-002 Matrix: OIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>POLYCHLORINATED BIPHENYLS IN OIL</b>						
				<b>SW8082</b>	<b>(SW3580A)</b>	Analyst: EA
Aroclor 1016	ND	0.50		mg/Kg	1	5/29/2008
Aroclor 1221	ND	0.50		mg/Kg	1	5/29/2008
Aroclor 1232	ND	0.50		mg/Kg	1	5/29/2008
Aroclor 1242	ND	0.50		mg/Kg	1	5/29/2008
Aroclor 1248	ND	0.50		mg/Kg	1	5/29/2008
Aroclor 1254	ND	0.50		mg/Kg	1	5/29/2008
Aroclor 1260	ND	0.50		mg/Kg	1	5/29/2008
<b>METALS BY ICP IN OIL</b>						
				<b>SW6010B</b>	<b>(SW3050A)</b>	Analyst: LJ
Arsenic*	ND	1.0		mg/Kg	1	6/4/2008 4:25:38 PM
Barium	ND	30		mg/Kg	1	6/4/2008 4:25:38 PM
Cadmium	ND	0.50		mg/Kg	1	6/4/2008 4:25:38 PM
Chromium	ND	5.0		mg/Kg	1	6/4/2008 4:25:38 PM
Lead	ND	10		mg/Kg	1	6/4/2008 4:25:38 PM
Selenium*	ND	0.50		mg/Kg	1	6/4/2008 4:25:38 PM
Silver	ND	5.0		mg/Kg	1	6/4/2008 4:25:38 PM
<b>TOTAL MERCURY - WASTE (OIL)</b>						
				<b>SW7471A</b>	<b>(SW7471A)</b>	Analyst: DRP
Mercury	ND	0.100		mg/Kg	1	6/5/2008 3:05:38 PM
<b>TCL-SEMIVOLATILE ORGANICS</b>						
				<b>SW8270C</b>	<b>(SW3580A)</b>	Analyst: LD
(3+4)-Methylphenol	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
1,2,4-Trichlorobenzene	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
1,2-Dichlorobenzene	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
1,3-Dichlorobenzene	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
1,4-Dichlorobenzene	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
2,4,5-Trichlorophenol	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
2,4,6-Trichlorophenol	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
2,4-Dichlorophenol	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
2,4-Dimethylphenol	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
2,4-Dinitrophenol	ND	100000		mg/Kg	100	6/4/2008 1:49:00 PM
2,4-Dinitrotoluene	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
2,6-Dinitrotoluene	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
2-Chloronaphthalene	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
2-Chlorophenol	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
2-Methylnaphthalene	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
2-Methylphenol	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
2-Nitroaniline	ND	100000		mg/Kg	100	6/4/2008 1:49:00 PM
2-Nitrophenol	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
3,3'-Dichlorobenzidine	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM

Approved By: PMH

Date: 6-12-08

Page 5 of 20

Qualifiers: \* Low Level  
 B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit

\*\* Value exceeds Maximum Contaminant Value  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits

#S 10+20

# Upstate Laboratories, Inc.

## Analytical Report

Date: 12-Jun-08

CLIENT: Lu Engineers  
 Lab Order: U0805470  
 Project: 42001 Orchard/Whitney ERP  
 Lab ID: U0805470-002

Client Sample ID: Yellow Drum Waste Oil-BR1  
 Collection Date: 5/22/2008 1:30:00 PM

Matrix: OIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>TCL-SEMIVOLATILE ORGANICS</b>						
			SW8270C	(SW3580A)		Analyst: LD
3-Nitroaniline	ND	100000		mg/Kg	100	6/4/2008 1:49:00 PM
4,6-Dinitro-2-methylphenol	ND	100000		mg/Kg	100	6/4/2008 1:49:00 PM
4-Bromophenyl phenyl ether	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
4-Chloro-3-methylphenol	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
4-Chloroaniline	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
4-Chlorophenyl phenyl ether	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
4-Nitroaniline	ND	100000		mg/Kg	100	6/4/2008 1:49:00 PM
4-Nitrophenol	ND	100000		mg/Kg	100	6/4/2008 1:49:00 PM
Acenaphthene	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
Acenaphthylene	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
Anthracene	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
Benz(a)anthracene	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
Benzo(a)pyrene	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
Benzo(b)fluoranthene	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
Benzo(g,h,i)perylene	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
Benzo(k)fluoranthene	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
Bis(2-chloroethoxy)methane	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
Bis(2-chloroethyl)ether	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
Bis(2-chloroisopropyl)ether	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
Bis(2-ethylhexyl)phthalate	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
Butyl benzyl phthalate	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
Carbazole	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
Chrysene	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
Di-n-butyl phthalate	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
Di-n-octyl phthalate	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
Dibenz(a,h)anthracene	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
Dibenzofuran	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
Diethyl phthalate	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
Dimethyl phthalate	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
Fluoranthene	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
Fluorene	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
Hexachlorobenzene	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
Hexachlorobutadiene	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
Hexachlorocyclopentadiene	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
Hexachloroethane	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
Indeno(1,2,3-cd)pyrene	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
Isophorone	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
N-Nitrosodi-n-propylamine	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM
N-Nitrosodiphenylamine	ND	10000		mg/Kg	100	6/4/2008 1:49:00 PM

Approved By: PMH

Date: 6-12-08

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Qualifiers: \* Low Level  
 B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit

\*\* Value exceeds Maximum Contaminant Value  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits

#5 10+20

# Upstate Laboratories, Inc.

## Analytical Report

Date: 12-Jun-08

CLIENT: Lu Engineers Client Sample ID: Yellow Drum Waste Oil-BR1  
 Lab Order: U0805470 Collection Date: 5/22/2008 1:30:00 PM  
 Project: 42001 Orchard/Whitney ERP  
 Lab ID: U0805470-002 Matrix: OIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>TCL-SEMIVOLATILE ORGANICS</b>						
			SW8270C	(SW3580A)		Analyst: LD
Naphthalene	ND	10000	mg/Kg	100	6/4/2008 1:49:00 PM	
Nitrobenzene	ND	10000	mg/Kg	100	6/4/2008 1:49:00 PM	
Pentachlorophenol	ND	20000	mg/Kg	100	6/4/2008 1:49:00 PM	
Phenanthrene	ND	10000	mg/Kg	100	6/4/2008 1:49:00 PM	
Phenol	ND	10000	mg/Kg	100	6/4/2008 1:49:00 PM	
Pyrene	ND	10000	mg/Kg	100	6/4/2008 1:49:00 PM	

**NOTES:**

The reporting limits were raised due to matrix interference.

<b>TCL VOLATILE ORGANICS</b>						
			SW8260B			Analyst: MM
1,1,1-Trichloroethane	ND	15000	µg/Kg	5000	6/3/2008 2:25:00 PM	
1,1,2,2-Tetrachloroethane	ND	15000	µg/Kg	5000	6/3/2008 2:25:00 PM	
1,1,2-Trichloroethane	ND	15000	µg/Kg	5000	6/3/2008 2:25:00 PM	
1,1-Dichloroethane	ND	15000	µg/Kg	5000	6/3/2008 2:25:00 PM	
1,1-Dichloroethene	ND	15000	µg/Kg	5000	6/3/2008 2:25:00 PM	
1,2-Dichloroethane	ND	15000	µg/Kg	5000	6/3/2008 2:25:00 PM	
1,2-Dichloropropane	ND	15000	µg/Kg	5000	6/3/2008 2:25:00 PM	
2-Butanone	ND	50000	µg/Kg	5000	6/3/2008 2:25:00 PM	
2-Hexanone	ND	50000	µg/Kg	5000	6/3/2008 2:25:00 PM	
4-Methyl-2-pentanone	ND	50000	µg/Kg	5000	6/3/2008 2:25:00 PM	
Acetone	ND	50000	µg/Kg	5000	6/3/2008 2:25:00 PM	
Benzene	ND	15000	µg/Kg	5000	6/3/2008 2:25:00 PM	
Bromodichloromethane	ND	15000	µg/Kg	5000	6/3/2008 2:25:00 PM	
Bromoform	ND	15000	µg/Kg	5000	6/3/2008 2:25:00 PM	
Bromomethane	ND	15000	µg/Kg	5000	6/3/2008 2:25:00 PM	
Carbon disulfide	ND	15000	µg/Kg	5000	6/3/2008 2:25:00 PM	
Carbon tetrachloride	ND	15000	µg/Kg	5000	6/3/2008 2:25:00 PM	
Chlorobenzene	ND	15000	µg/Kg	5000	6/3/2008 2:25:00 PM	
Chloroethane	ND	15000	µg/Kg	5000	6/3/2008 2:25:00 PM	
Chloroform	ND	15000	µg/Kg	5000	6/3/2008 2:25:00 PM	
Chloromethane	ND	15000	µg/Kg	5000	6/3/2008 2:25:00 PM	
cis-1,2-Dichloroethene	ND	15000	µg/Kg	5000	6/3/2008 2:25:00 PM	
cis-1,3-Dichloropropene	ND	15000	µg/Kg	5000	6/3/2008 2:25:00 PM	
Dibromochloromethane	ND	15000	µg/Kg	5000	6/3/2008 2:25:00 PM	
Ethylbenzene	ND	15000	µg/Kg	5000	6/3/2008 2:25:00 PM	
m,p-Xylene	ND	15000	µg/Kg	5000	6/3/2008 2:25:00 PM	
Methylene chloride	ND	15000	µg/Kg	5000	6/3/2008 2:25:00 PM	
o-Xylene	ND	15000	µg/Kg	5000	6/3/2008 2:25:00 PM	
Styrene	ND	15000	µg/Kg	5000	6/3/2008 2:25:00 PM	

Approved By: PMH

Date: 6-12-08

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Qualifiers: \* Low Level  
 B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit

\*\* Value exceeds Maximum Contaminant Value  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits

#5 10+20



# Upstate Laboratories, Inc.

## Analytical Report

Date: 12-Jun-08

CLIENT: Lu Engineers Client Sample ID: Yellow Drum Waste Oil-BR I  
 Lab Order: U0805470 Collection Date: 5/22/2008 1:30:00 PM  
 Project: 42001 Orchard/Whitney ERP  
 Lab ID: U0805470-002 Matrix: OIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>TCL VOLATILE ORGANICS</b>						
				<b>SW8260B</b>		Analyst: MM
Tetrachloroethene	ND	15000		µg/Kg	5000	6/3/2008 2:25:00 PM
Toluene	ND	15000		µg/Kg	5000	6/3/2008 2:25:00 PM
trans-1,2-Dichloroethene	ND	15000		µg/Kg	5000	6/3/2008 2:25:00 PM
trans-1,3-Dichloropropene	ND	15000		µg/Kg	5000	6/3/2008 2:25:00 PM
Trichloroethene	ND	15000		µg/Kg	5000	6/3/2008 2:25:00 PM
Vinyl chloride	ND	10000		µg/Kg	5000	6/3/2008 2:25:00 PM
<b>NOTES:</b>						
The reporting limits were raised due to matrix interference. Oil matrix						
<b>IGNITABILITY</b>						
				<b>SW1010</b>		Analyst: NJS
Ignitability	>60	0		°C	1	5/28/2008
<b>LABORATORY PH</b>						
				<b>SW9045C</b>		Analyst: DEY
pH	7.08	2.00		SU	1	5/29/2008

Approved By: PMH

Date: 6-12-08

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Qualifiers: \* Low Level  
 B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit

\*\* Value exceeds Maximum Contaminant Value  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits

#s 10+20



# Generator's Hazardous Waste Profile Sheet

Service Agreement on file?  Yes  No Profile Number \_\_\_\_\_

Check here if there are multiple generating locations for this waste. Attach additional locations.

Check here if a Certificate of Destruction or Disposal is required

Requested Disposal Facility \_\_\_\_\_

Renewal for Profile Number \_\_\_\_\_ Waste Approval Expiration Date \_\_\_\_\_

### A. Waste Generator Facility Information (must reflect location of waste generation/origin)

- 1. Generator Name: 354 Whitney Street
- 2. Site Address: 354 Whitney Street
- 3. City/ZIP: Rochester 14606
- 4. State: NY
- 5. County: Monroe
- 6. Contact Name/Title: Anne Spaulding
- 7. Email Address: \_\_\_\_\_
- 8. Phone: (585) 428-7474
- 9. FAX: \_\_\_\_\_
- 10. NAICS Code: 336399
- 11. Generator USEPA ID #: NYR000158204
- 12. State ID# (if applicable): \_\_\_\_\_

### B. Customer Information same as above

P. O. Number: \_\_\_\_\_

- 1. Customer Name: Advanced Waste Solutions, Inc.
- 2. Billing Address: PO Box 904
- 3. City, State and ZIP: Lockport, NY 14095
- 4. Contact Name: Mike Herlan
- 5. Contact Email: mherlan@verizon.net
- 6. Phone: 7164391221 FAX: 7164391222
- 7. Transporter Name: TBD
- 8. Transporter ID # (if appl.): \_\_\_\_\_
- 9. Transporter Address: \_\_\_\_\_
- 10. City, State and ZIP: \_\_\_\_\_

### C. Waste Stream Information

USEPA Hazardous  State Hazardous  TSCA  Non-Hazardous

- 1. Description
  - a. Name of Waste: Oil Spill Clean-Up c/w Asbestos
  - b. Process Generating Waste: Collection of Dirt, Speedi-Dry and Spill Clean-Up Materials
  - c. Color: Blackish/Brown
  - d. Strong Odor (describe): NONE
  - e. Physical State at 70°F:  Solid  Liquid  Gas  Sludge  Other: \_\_\_\_\_
  - f. Layers?  Single layer  Multi-layer
  - g. Free Liquid Range (%) 0 to 0 Specific Gravity: 1.5 Viscosity: HIGH BTU/lb: N/A
  - h. pH Range: 5 to 9
  - i. Liquid Flash Point:  < 73°F  73°-99°F  100°-139°F  140°-199°F  > 200°F  N/A
- 2. Is this a USEPA hazardous waste (40 CFR Part 261)? If the answer is no, skip to question f
  - a. If yes, identify ALL USEPA listed and characteristic waste code numbers (D,F,K,P,U) \_\_\_\_\_
  - b. If a characteristic hazardous waste, do underlying hazardous constituents(UHCs) apply-(40 CFR 268.48)?  Yes  No (if yes, list in Section C.2.j)
  - c. Is the waste subject to RCRA Subpart CC Controls-(40 CFR 264.1083 & 265.1084)?  Yes  No  ? Click for Add'l Info
    - If no, does the waste meet the organic LDR Exemption?  Yes  No
    - If no, does the waste contain <500 ppm volatile organic (VOC's)?  Yes  No
    - Volatile organic concentration \_\_\_\_\_ ppm
  - d. Is the waste predominately debris subject to the Alternate Debris Standards (40 CFR 268.45)?  Yes  No
  - e. Is the waste predominately soil subject to the Alternate Soil Treatment Standards-(40 CFR 268.49)?  Yes  No
    - If yes, will Underlying Hazardous Constituents apply? (list in C.2.j)  Yes  No
  - f. Does the waste represented by this profile contain asbestos?  Yes  No
    - If yes,  Friable  Non-Friable
  - g. Does the waste represented by this profile contain benzene?  Yes  No
    - Is this subject to Benzene Operations Waste NESHAP (40 CFR Part 61 Subpart FF)?  Yes  No
    - If yes, complete Benzene Waste Operations NESHAP (BWON) questionnaire

Containers # 11-18



# Generator's Hazardous Waste Profile Sheet

Profile Number

### C. Waste Stream Information (continued)

- h. Is this profile for remediation waste from a facility that is a major source of Hazardous Air Pollutants (Site Remediation NESHAP, 40 CFR 63 subpart GGGGG)?  Yes  No  
If yes, does the waste contain <500 ppm VOHAPs at the point of determination?  Yes  No
- i. Does the waste represented by this waste profile sheet contain concentrations of Polychlorinated Biphenyls (PCBs) regulated by 40 CFR 761? (if yes, list in Chemical Composition - C.2.j)  Yes  No  
Were the PCBs imported into the U.S.?  Yes  No  
Are PCBs regulated under the "Self-Implementing Remediation Section of (Mega) Rule?" 40CFR 761.61(a)  Yes  No
- j. Chemical Composition (List all constituents [including halogenated organics, debris, and UHC's] present in any concentration and submit representative analysis):  (See Attached - for entering additional constituents)

Constituents (Total Composition Must be > 100%)	Lower Range	Unit of Measure	Upper Range	Unit of Measure
1. Oil Spill Clean-Up Materials w/ Asbestos Fibers	99	%	>99	%
2. Trace Metals ( See Analysis )	0	%	<100PPM	%
3.				
4.				
5.				
6.				

- k. Check any that apply:  Pyrophoric  Water Reactive  OSHA Carcinogen  Shock Sensitive  Oxidizer  Infectious
- l. Is the waste subject to controls as a Group 1 wastewater or residual under the Hazardous Organic NESHAP?  Yes  No  
If yes, is it a Table 8 \_\_\_\_\_ or Table 9 \_\_\_\_\_ compound?
- m. Does the waste represented by this waste profile sheet contain radioactive material?  Yes  No  
Is disposal regulated by the Nuclear Regulatory Commission?  Yes  No  
If NORM, identify isotopes and concentration, \_\_\_\_\_ pCi/g
- n. Is the waste from a CERCLA (40 CFR 300, Appendix B) or state mandated clean-up?  Yes  No  
If yes, attach Record of Decision (ROD), 104/106 or 122 order or court order that governs site clean-up for activity.  
For state mandated clean-up, provide relevant documentation.
- o. Is this a State Hazardous Waste?  Yes  No If yes, please list applicable codes \_\_\_\_\_  
If NY waste codes B001-B007 apply, please complete question C.2.c on page 1.

### D. DOT Information and Shipping Volume

- 1. Quantity of Waste
  - a.  Event  Base/Ongoing (check one)
  - b. Estimated Annual Quantity: 8 X 55DM  Tons  Yards  Drums  Other (specify) \_\_\_\_\_
  - c. Shipping Frequency: Units: \_\_\_\_\_ Per:  Month  Quarter  Year  One Time  Other \_\_\_\_\_
- 2. Shipping Information
  - a. Packaging:
    - Roll off/End dump: \_\_\_\_\_  Other: \_\_\_\_\_
    - Drum Type/Size: 1A2 - 55Gallon  Vacuum Box
    - Tanker  Super Sack  Tote Bin  Cubic Yard Boxes
  - b. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If no, skip c, d and e)  Yes  No
  - c. Reportable Quantity (lbs.; kgs.): 10lbs d. Primary/Subsidiary Hazard Class(es)/ID#: 9 NA3077
  - e. USDOT Shipping Name: RQ Hazardous Waste, Solid, n.o.s. ( Contains Lead, Arsenic ) PG: III

### E. Generator Certification (Please read and certify by signature below)

I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of this wastestream. Any sample submitted is representative as defined in 40 CFR 261 - Appendix 1 or by using an equivalent method. I authorize WMI to obtain a sample from any waste shipment for purposes of recertification. If this certification is made by a broker, the undersigned signs as authorized agent of the generator and has confirmed the information contained in this Profile Sheet from information provided by the generator and additional information as it has determined to be reasonably necessary. If approved for management, Contractor has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile. All relevant information within the possession of the Generator regarding known or suspected hazards pertaining to the waste will be disclosed to the contractor. All changes which occur in the character of the waste will be identified by the Generator and be disclosed to the Contractor prior to providing the waste to the Contractor.

Certification Signature: \_\_\_\_\_ Title: \_\_\_\_\_  
Name (Type or Print): \_\_\_\_\_ Company Name: \_\_\_\_\_ Date: \_\_\_\_\_  
 Check if additional information is attached. Indicate the number of attached pages \_\_\_\_\_

#511-12



# Generator's Hazardous Waste Profile Sheet

Profile Number

## C. Waste Stream Information (continued)

- h. Is this profile for remediation waste from a facility that is a major source of Hazardous Air Pollutants (Site Remediation NESHAP, 40 CFR 63 subpart GGGGG)?  Yes  No  
 If yes, does the waste contain <500 ppm VOHAPs at the point of determination?  Yes  No
- i. Does the waste represented by this waste profile sheet contain concentrations of Polychlorinated Biphenyls (PCBs) regulated by 40 CFR 761? (if yes, list in Chemical Composition - C.2.j)  Yes  No  
 Were the PCBs imported into the U.S.?  Yes  No  
 Are PCBs regulated under the "Self-Implementing Remediation Section of (Mega) Rule?" 40CFR 761.61(a)  Yes  No
- j. Chemical Composition (List all constituents [including halogenated organics, debris, and UHC's] present in any concentration and submit representative analysis):  (See Attached - for entering additional constituents)

Constituents (Total Composition Must be > 100%)	Lower Range	Unit of Measure	Upper Range	Unit of Measure
1. Oil Spill Clean-Up Materials w/ Asbestos Fibers	99	%	>99	%
2. Trace Metals (See Analysis)	0	%	<100PPM	%
3.				
4.				
5.				
6.				

- k. Check any that apply:  Pyrophoric  Water Reactive  OSHA Carcinogen  Shock Sensitive  Oxidizer  Infectious
- l. Is the waste subject to controls as a Group 1 wastewater or residual under the Hazardous Organic NESHAP?  Yes  No  
 If yes, is it a Table 8 \_\_\_\_\_ or Table 9 \_\_\_\_\_ compound?
- m. Does the waste represented by this waste profile sheet contain radioactive material?  Yes  No  
 Is disposal regulated by the Nuclear Regulatory Commission?  Yes  No  
 If NORM, identify isotopes and concentration, \_\_\_\_\_ pCi/g
- n. Is the waste from a CERCLA (40 CFR 300, Appendix B) or state mandated clean-up?  Yes  No  
 If yes, attach Record of Decision (ROD), 104/106 or 122 order or court order that governs site clean-up for activity.  
 For state mandated clean-up, provide relevant documentation.
- o. Is this a State Hazardous Waste?  Yes  No If yes, please list applicable codes \_\_\_\_\_  
 If NY waste codes B001-B007 apply, please complete question C.2.c on page 1.

## D. DOT Information and Shipping Volume

1. Quantity of Waste
- a.  Event  Base/Ongoing (check one)
- b. Estimated Annual Quantity: 8 X 55DM  Tons  Yards  Drums  Other (specify) \_\_\_\_\_
- c. Shipping Frequency: Units: \_\_\_\_\_ Per:  Month  Quarter  Year  One Time  Other \_\_\_\_\_
2. Shipping Information
- a. Packaging:
- Roll off/End dump: \_\_\_\_\_  Other: \_\_\_\_\_
- Drum Type/Size: 1A2 - 55Gallon  Vacuum Box
- Tanker  Super Sack  Tote Bin  Cubic Yard Boxes
- b. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If no, skip c, d and e)  Yes  No
- c. Reportable Quantity (lbs.; kgs.): 10lbs d. Primary/Subsidiary Hazard Class(es)/ID#: 9 NA3077
- e. USDOT Shipping Name: RQ Hazardous Waste, Solid, n.o.s. (Contains Lead, Arsenic) PG: III

## E. Generator Certification (Please read and certify by signature below)

I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of this wastestream. Any sample submitted is representative as defined in 40 CFR 261 - Appendix 1 or by using an equivalent method. I authorize WMI to obtain a sample from any waste shipment for purposes of recertification. If this certification is made by a broker, the undersigned signs as authorized agent of the generator and has confirmed the information contained in this Profile Sheet from information provided by the generator and additional information as it has determined to be reasonably necessary. If approved for management, Contractor has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile. All relevant information within the possession of the Generator regarding known or suspected hazards pertaining to the waste will be disclosed to the contractor. All changes which occur in the character of the waste will be identified by the Generator and be disclosed to the Contractor prior to providing the waste to the Contractor.

Certification Signature: Annet Spaulding Title: Sr. Env. Specialist  
 Name (Type or Print): Annet Spaulding Company Name: City of Rochester Date: 7/15/08

Check if additional information is attached. Indicate the number of attached pages \_\_\_\_\_

#11-18

# Upstate Laboratories, Inc.

## Analytical Report

Date: 12-Jun-08

**CLIENT:** Lu Engineers **Client Sample ID:** SSC-01  
**Lab Order:** U0805470 **Collection Date:** 5/22/2008 2:30:00 PM  
**Project:** 42001 Orchard/Whitney ERP  
**Lab ID:** U0805470-001 **Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>SOIL AND SOLID METALS BY ICP</b>						
				<b>SW6010B</b>	<b>(SW3050A)</b>	<b>Analyst: LJ</b>
Arsenic*	7.9	1.2		mg/Kg-dry	1	6/4/2008 4:08:58 PM
Barium	1100	37		mg/Kg-dry	1	6/4/2008 4:08:58 PM
Cadmium	2.2	0.61		mg/Kg-dry	1	6/4/2008 4:08:58 PM
Chromium	19	6.1		mg/Kg-dry	1	6/4/2008 4:08:58 PM
Lead	260	12		mg/Kg-dry	1	6/4/2008 4:08:58 PM
Selenium*	ND	0.61		mg/Kg-dry	1	6/4/2008 4:08:58 PM
Silver	ND	6.1		mg/Kg-dry	1	6/4/2008 4:08:58 PM
<b>TOTAL MERCURY - SOIL/SOLID/WASTE</b>						
				<b>SW7471A</b>	<b>(SW7471A)</b>	<b>Analyst: DRP</b>
Mercury	0.461	0.123		mg/Kg-dry	1	6/5/2008 3:32:18 PM
<b>TCL-SEMIVOLATILE ORGANICS</b>						
				<b>SW8270C</b>	<b>(SW3550A)</b>	<b>Analyst: LD</b>
(3+4)-Methylphenol	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
1,2,4-Trichlorobenzene	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
1,2-Dichlorobenzene	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
1,3-Dichlorobenzene	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
1,4-Dichlorobenzene	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
2,3,4,6-Tetrachlorophenol	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
2,4,5-Trichlorophenol	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
2,4,6-Trichlorophenol	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
2,4-Dichlorophenol	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
2,4-Dimethylphenol	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
2,4-Dinitrophenol	ND	4000000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
2,4-Dinitrotoluene	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
2,6-Dinitrotoluene	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
2-Chloronaphthalene	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
2-Chlorophenol	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
2-Methylnaphthalene	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
2-Methylphenol	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
2-Nitroaniline	ND	4000000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
2-Nitrophenol	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
3,3'-Dichlorobenzidine	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
3-Nitroaniline	ND	4000000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
4,6-Dinitro-2-methylphenol	ND	4000000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
4-Bromophenyl phenyl ether	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
4-Chloro-3-methylphenol	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
4-Chloroaniline	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
4-Chlorophenyl phenyl ether	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
4-Nitroaniline	ND	4000000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
4-Nitrophenol	ND	4000000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM

Approved By: PMH

Date: 6-12-08

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- Qualifiers:**
- \* Low Level
  - B Analyte detected in the associated Method Blank
  - H Holding times for preparation or analysis exceeded
  - ND Not Detected at the Reporting Limit

- \*\* Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

#311-18

# Upstate Laboratories, Inc.

## Analytical Report

Date: 12-Jun-08

CLIENT: Lu Engineers  
 Lab Order: U0805470  
 Project: 42001 Orchard/Whitney ERP  
 Lab ID: U0805470-001

Client Sample ID: SSC-01  
 Collection Date: 5/22/2008 2:30:00 PM

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>TCL-SEMIVOLATILE ORGANICS</b>						
				<b>SW8270C</b>	<b>(SW3550A)</b>	<b>Analyst: LD</b>
Acenaphthene	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
Acenaphthylene	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
Anthracene	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
Benz(a)anthracene	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
Benzo(a)pyrene	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
Benzo(b)fluoranthene	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
Benzo(g,h,i)perylene	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
Benzo(k)fluoranthene	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
Bis(2-chloroethoxy)methane	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
Bis(2-chloroethyl)ether	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
Bis(2-chloroisopropyl)ether	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
Bis(2-ethylhexyl)phthalate	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
Butyl benzyl phthalate	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
Carbazole	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
Chrysene	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
Di-n-butyl phthalate	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
Di-n-octyl phthalate	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
Dibenz(a,h)anthracene	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
Dibenzofuran	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
Diethyl phthalate	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
Dimethyl phthalate	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
Fluoranthene	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
Fluorene	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
Hexachlorobenzene	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
Hexachlorobutadiene	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
Hexachlorocyclopentadiene	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
Hexachloroethane	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
Indeno(1,2,3-cd)pyrene	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
Isophorone	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
N-Nitrosodi-n-propylamine	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
N-Nitrosodiphenylamine	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
Naphthalene	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
Nitrobenzene	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
Pentachlorophenol	ND	820000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
Phenanthrene	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
Phenol	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM
Pyrene	ND	400000		µg/Kg-dry	1000	6/10/2008 10:12:00 PM

**NOTES:**

The reporting limits were raised due to matrix interference.

Approved By: PMH

Date: 6-12-08

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- Qualifiers:
- \* Low Level
  - B Analyte detected in the associated Method Blank
  - H Holding times for preparation or analysis exceeded
  - ND Not Detected at the Reporting Limit

- \*\* Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

#11-18

# Upstate Laboratories, Inc.

## Analytical Report

Date: 12-Jun-08

CLIENT: Lu Engineers Client Sample ID: SSC-01  
 Lab Order: U0805470 Collection Date: 5/22/2008 2:30:00 PM  
 Project: 42001 Orchard/Whitney ERP  
 Lab ID: U0805470-001 Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>TCL VOLATILE ORGANICS</b>				<b>SW8260B</b>		Analyst: MM
1,1,1-Trichloroethane	ND	3.7		µg/Kg-dry	1	5/31/2008 9:48:00 PM
1,1,2,2-Tetrachloroethane	ND	3.7		µg/Kg-dry	1	5/31/2008 9:48:00 PM
1,1,2-Trichloroethane	ND	3.7		µg/Kg-dry	1	5/31/2008 9:48:00 PM
1,1-Dichloroethane	ND	3.7		µg/Kg-dry	1	5/31/2008 9:48:00 PM
1,1-Dichloroethene	ND	3.7		µg/Kg-dry	1	5/31/2008 9:48:00 PM
1,2-Dichloroethane	ND	3.7		µg/Kg-dry	1	5/31/2008 9:48:00 PM
1,2-Dichloropropane	ND	3.7		µg/Kg-dry	1	5/31/2008 9:48:00 PM
2-Butanone	ND	12		µg/Kg-dry	1	5/31/2008 9:48:00 PM
2-Hexanone	ND	12		µg/Kg-dry	1	5/31/2008 9:48:00 PM
4-Methyl-2-pentanone	ND	12		µg/Kg-dry	1	5/31/2008 9:48:00 PM
Acetone	13	12		µg/Kg-dry	1	5/31/2008 9:48:00 PM
Benzene	ND	3.7		µg/Kg-dry	1	5/31/2008 9:48:00 PM
Bromodichloromethane	ND	3.7		µg/Kg-dry	1	5/31/2008 9:48:00 PM
Bromoform	ND	3.7		µg/Kg-dry	1	5/31/2008 9:48:00 PM
Bromomethane	ND	3.7		µg/Kg-dry	1	5/31/2008 9:48:00 PM
Carbon disulfide	ND	3.7		µg/Kg-dry	1	5/31/2008 9:48:00 PM
Carbon tetrachloride	ND	3.7		µg/Kg-dry	1	5/31/2008 9:48:00 PM
Chlorobenzene	ND	3.7		µg/Kg-dry	1	5/31/2008 9:48:00 PM
Chloroethane	ND	3.7		µg/Kg-dry	1	5/31/2008 9:48:00 PM
Chloroform	ND	3.7		µg/Kg-dry	1	5/31/2008 9:48:00 PM
Chloromethane	ND	3.7		µg/Kg-dry	1	5/31/2008 9:48:00 PM
cis-1,2-Dichloroethene	ND	3.7		µg/Kg-dry	1	5/31/2008 9:48:00 PM
cis-1,3-Dichloropropene	ND	3.7		µg/Kg-dry	1	5/31/2008 9:48:00 PM
Dibromochloromethane	ND	3.7		µg/Kg-dry	1	5/31/2008 9:48:00 PM
Ethylbenzene	ND	3.7		µg/Kg-dry	1	5/31/2008 9:48:00 PM
m,p-Xylene	ND	3.7		µg/Kg-dry	1	5/31/2008 9:48:00 PM
Methylene chloride	ND	3.7		µg/Kg-dry	1	5/31/2008 9:48:00 PM
o-Xylene	ND	3.7		µg/Kg-dry	1	5/31/2008 9:48:00 PM
Styrene	ND	3.7		µg/Kg-dry	1	5/31/2008 9:48:00 PM
Tetrachloroethene	ND	3.7		µg/Kg-dry	1	5/31/2008 9:48:00 PM
Toluene	ND	3.7		µg/Kg-dry	1	5/31/2008 9:48:00 PM
trans-1,2-Dichloroethene	ND	3.7		µg/Kg-dry	1	5/31/2008 9:48:00 PM
trans-1,3-Dichloropropene	ND	3.7		µg/Kg-dry	1	5/31/2008 9:48:00 PM
Trichloroethene	ND	3.7		µg/Kg-dry	1	5/31/2008 9:48:00 PM
Vinyl chloride	ND	2.5		µg/Kg-dry	1	5/31/2008 9:48:00 PM
<b>ASBESTOS FOR SOLIDS</b>				<b>ASBES</b>		Analyst: Sub
Asbestos	5.48	0.0100		%	1	5/30/2008

Approved By: PMH

Date: 6-12-08

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Qualifiers: \* Low Level  
 B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit

\*\* Value exceeds Maximum Contaminant Value  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits

#s 11-18

# Upstate Laboratories, Inc.

## Analytical Report

Date: 12-Jun-08

CLIENT: Lu Engineers Client Sample ID: SSC-01  
Lab Order: U0805470 Collection Date: 5/22/2008 2:30:00 PM  
Project: 42001 Orchard/Whitney ERP  
Lab ID: U0805470-001 Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASBESTOS FOR SOLIDS				ASBES		Analyst: Sub
NOTES: Contains Chrysotile asbestos						
PERCENT MOISTURE				D2216		Analyst: MCD
Percent Moisture	18.4	0.00100		wt%	1	5/29/2008

Approved By: PMH

Date: 6-12-08

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Qualifiers: \* Low Level  
B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit

\*\* Value exceeds Maximum Contaminant Value  
E Value above quantitation range  
J Analyte detected below quantitation limits  
S Spike Recovery outside accepted recovery limits

#s 11-18



HERITAGE ENVIRONMENTAL SERVICES, LLC  
WASTESTREAM SURVEY FORM

(877)436-8778

www.heritage-enviro.com

Please review instructions before completing this form.



Heritage Use Only	
Quote #:	WS#:
Business Type: Repeatable: <input type="checkbox"/> Non-Repeatable: <input type="checkbox"/>	
Product Code:	Price:

Preferred TSD Location *:	Charlotte, NC <input type="checkbox"/>	Coolidge, AZ <input type="checkbox"/>	Indianapolis, IN <input type="checkbox"/>	Kansas City, MO <input type="checkbox"/>	Roachdale, IN: Hazardous Landfill <input type="checkbox"/>	VRAWTI <input checked="" type="checkbox"/>
Service Location *:	Albany, NY <input checked="" type="checkbox"/>	Blaine, MN <input type="checkbox"/>	East Liverpool, OH <input type="checkbox"/>	Hammond, IN <input type="checkbox"/>	Lemont, IL <input type="checkbox"/>	
	Louisville, KY <input type="checkbox"/>	Signal Hill, CA <input type="checkbox"/>	St. Louis, MO <input type="checkbox"/>	Toledo, OH <input type="checkbox"/>	Tulsa, OK <input type="checkbox"/>	

**1. GENERATOR INFORMATION (Heritage# ) \***

Generator Name 354 Whitney Street  
Address 354 Whitney Street  
City, State, Zip Rochester, NY 14606  
Tech. Contact Name Anne Spaulding  
Phone 585-428-7474 Fax  
24 Hour Emergency Number  
E-mail Address  
US EPA ID Number NYR000158204  
State ID Numbers  
Status LQG  SQG  CESQG  Non-hazardous

**2. BILLING INFORMATION (Heritage # ) \***

Customer Name Advanced Waste Solutions, Inc.  
Address PO Box 904  
City, State, Zip Lockport, NY 14095  
Contact Name Mike Herlan  
Phone (716)439-1221 Fax (716)439-1222  
E-mail Address

**3. MANIFEST MAIL ADDRESS (If different from generator)**

Contact Name Anne Spaulding  
Company Name City of Rochester  
Address 30 Church St. - City Hall - Room 300-B  
City, State, Zip Rochester, NY 14614

4. Generator SIC Code If 3312, do you perform Coke Oven Byproduct Recovery Operations? Yes  No  If 28 \_\_, 2911, 3312, or 4953, what is the Total Annual Benzene (TAB) in Megagrams/year?

5. Common Name Waste Oil c/w Lead

6. Process Generating Waste Discarding of Material During Facility Demolition

7. DOT Description \* (if available)  
RQ Hazardous Waste, Liquids, n.o.s. ( Contains Lead) 9 UN3082 III ( D008 )

8. Identify US EPA waste codes D008

9. If D001-D043, are any Underlying Hazardous Constituents (UHCs) present? Yes  No  NA  If yes, list in Section 13.

10. If F001-F005, or F039, list the F-listed hazardous constituents in Section 13.

11. US EPA Form Code \* W206 US EPA Source Code \* G15

12. Identify state waste codes

13. Waste Composition: Using specific chemical names and/or descriptions of waste composition, list all constituents present in the wastestream, and identify those that are underlying hazardous constituents (UHCs), or F001-F005/F039 hazardous constituents. Attach available analysis or MSDSs. Total composition must equal or exceed 100%.

Constituents	Range	Units	UHC?	F-Listed?
Waste Oil c/w Lead	100	%	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
* See Analytical Attached			Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
			Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
			Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
			Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
			Yes <input type="checkbox"/>	Yes <input type="checkbox"/>

14. Color Blackish Appearance Oil Odor Oily

15. 15a. Chemical Properties 15b. Physical Properties at 70°F

Flash < 73 <input type="checkbox"/>	BTU/lb < 2,000 <input type="checkbox"/>	Solid <input type="checkbox"/>	Free Liquids? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Point (F°) < 100 <input type="checkbox"/>	2,000-6,000 <input type="checkbox"/>	Liquid <input checked="" type="checkbox"/>	Will waste dump out of drums? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
100-140 <input type="checkbox"/>	6,000-10,000 <input type="checkbox"/>	Sludge <input type="checkbox"/>	Is the waste pumpable? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
141-200 <input type="checkbox"/>	> 10,000 <input checked="" type="checkbox"/>	Semi-solid <input type="checkbox"/>	Debris?(List type in Section 13) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
> 200 <input checked="" type="checkbox"/>		Powder <input type="checkbox"/>	Is the waste dusty? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Boiling Point (F°) < 100 <input type="checkbox"/>	pH Range 5-9	Gas <input type="checkbox"/>	
> 100 <input checked="" type="checkbox"/>		% Solids 0%	% Liquids 100%

Note: \* These sections will be completed by Heritage if left blank.

Container # 19

Common Name (same as Item #5): Waste Oil c/w Lead

16. Check all that apply. Marking any of these may require additional documentation or follow-up information.

16a. Aerosols <input type="checkbox"/> Air Reactive <input type="checkbox"/> Ammonia <input type="checkbox"/> Asbestos <input type="checkbox"/> Autoignitable <input type="checkbox"/> Biological <input type="checkbox"/> Carcinogen <input type="checkbox"/> Chelating Agent <input type="checkbox"/> Compressed Gas <input type="checkbox"/> Dioxins <input type="checkbox"/> Etiological <input type="checkbox"/> Explosive <input type="checkbox"/> Herbicide <input type="checkbox"/> Infectious <input type="checkbox"/> Insecticide <input type="checkbox"/> Lab Pack <input type="checkbox"/> Medical <input type="checkbox"/> Metal Fines <input type="checkbox"/>	<input type="checkbox"/> Metal Powders <input type="checkbox"/> Oxidizer <input type="checkbox"/> Pathogen <input type="checkbox"/> Pesticide <input type="checkbox"/> Polymerizable <input type="checkbox"/> Pyrophoric <input type="checkbox"/> Radioactive <input type="checkbox"/> Sanitary <input type="checkbox"/> Sharps <input type="checkbox"/> Shock Sensitive <input type="checkbox"/> Spontaneously <input type="checkbox"/> Combustible <input type="checkbox"/> Sulfide <input type="checkbox"/> Temperature <input type="checkbox"/> Control Required <input type="checkbox"/> Temperature <input type="checkbox"/> Sensitive <input type="checkbox"/> Water Reactive	16b. Used oil? (per 40 CFR 279) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>  Used oil mixed with hazardous waste? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>  Total Halogens (TX) concentration? < 1000 PPM <input checked="" type="checkbox"/> > 1000 PPM <input type="checkbox"/>	16c. PCBs? (per 40 CFR 761) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>  If yes, PCB concentration? < 50 PPM <input type="checkbox"/> > 50 PPM <input type="checkbox"/>  Greater than 50 PPM source? Yes <input type="checkbox"/> No <input type="checkbox"/>
16e. Volatile Organic Compound > 500 PPM? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Subject to Subpart CC? (per 40 CFR 265.1080-1091) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		16f. Do any exclusions/exemptions apply? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, note the exclusion/exemption: _____	
16g. Generated from electroplating process? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		16d. Does this material require any special handling? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, explain: _____	
16h. Additional Comments: _____			

17. Transporter: Heritage Transport  Other  (Complete below)

Transporter Name _____ Address _____ City, State, Zip _____ Contact/Phone _____ US EPA ID No. _____	Freehold Cartage? <input type="checkbox"/>	18. Packaging: Bulk Liquid <input type="checkbox"/> Bulk Solid <input type="checkbox"/> Cu Yd Bag/Box <input type="checkbox"/> Cylinder <input type="checkbox"/> Drum <input checked="" type="checkbox"/> Tote (Metal) <input type="checkbox"/> Tote (Poly) <input type="checkbox"/>	Size: _____ _____ 85Gallon _____	19. Volume: _____ 1/Year 1/Shipment
-----------------------------------------------------------------------------------------------------------------	--------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------	----------------------------------------------

20. Check or List Attachments: Lab Data  MSDS  Cylinder Form  Packing List  Other (list)

21. CERTIFICATION Sign and date the certification.

I hereby certify that I am an authorized agent of the generator, and warrant on behalf of the generator, that all information submitted herein and attached documentation contains true, accurate and complete descriptions of this material. Any sample submitted for analysis is representative of the material being offered for approval. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I will notify Heritage Environmental Services, LLC or Von Roll America, Inc. of any changes in generator status, any information on this form, or any information on the attachments. This certification and signature apply to this form, to all attachments checked in section 20, and to the land disposal restriction notification (LDR) generated from this information.

Signature \_\_\_\_\_ Printed Name \_\_\_\_\_ Date \_\_\_\_\_ Company \_\_\_\_\_

22. COMPLETE THIS SECTION FOR NON-HAZARDOUS MATERIAL BEING MANAGED TO A NON-HAZARDOUS PROCESS (EXAMPLE: SUBTITLE D LANDFILL or MASS-BURN)

22a. Does this waste exhibit the chemical characterization of an oxidizer? Yes  No

22b. Is this waste a listed waste? (U, P, K, or F codes) Yes  No

22c. This waste is not characteristically hazardous for D001-D043 based on attached lab data (mark LD), attached MSDS (mark MSDS), or generator knowledge (mark GK).

	TCLP VOLATILES	TCLP SEMI-VOLATILES	
D001 (Ignitability)	D018 Benzene	D023 o-Cresol	D038 Pyridine
D002 (Corrosivity)	D019 Carbon Tetrachloride	D024 m-Cresol	D041 2,4,5-Trichlorophenol
D003 (Reactivity)	D021 Chlorobenzene	D025 p-Cresol	D042 2,4,6-Trichlorophenol
<b>TCLP METALS</b>			<b>HERBICIDES &amp; PESTICIDES</b>
D004 Arsenic	D022 Chloroform	D026 Cresol	D012 Endrin
D005 Barium	D028 1,2-Dichloroethane	D027 1,4-Dichlorobenzene	D013 Lindane
D006 Cadmium	D029 1,1-Dichloroethylene	D030 2,4-Dinitrotoluene	D014 Methoxychlor
D007 Chromium	D035 Methyl Ethyl Ketone	D032 Hexachlorobenzene	D015 Toxaphene
D008 Lead	D039 Tetrachloroethylene	D033 Hexachlorobutadiene	D016 2,4-D
D009 Mercury	D040 Trichloroethylene	D034 Hexachloroethane	D017 2,4,5-TP (Silvex)
D010 Selenium	D043 Vinyl Chloride	D036 Nitrobenzene	D020 Chlordane
D011 Silver		D037 Pentachlorophenol	D031 Heptachlor

Common Name (same as Item #5): Waste Oil c/w Lead

16. Check all that apply. Marking any of these may require additional documentation or follow-up information.

<p>16a.</p> <p>Aerosols <input type="checkbox"/></p> <p>Air Reactive <input type="checkbox"/></p> <p>Ammonia <input type="checkbox"/></p> <p>Asbestos <input type="checkbox"/></p> <p>Autoignitable <input type="checkbox"/></p> <p>Biological <input type="checkbox"/></p> <p>Carcinogen <input type="checkbox"/></p> <p>Chelating Agent <input type="checkbox"/></p> <p>Compressed Gas <input type="checkbox"/></p> <p>Dioxins <input type="checkbox"/></p> <p>Etio logical <input type="checkbox"/></p> <p>Explosive <input type="checkbox"/></p> <p>Herbicide <input type="checkbox"/></p> <p>Infectious <input type="checkbox"/></p> <p>Insecticide <input type="checkbox"/></p> <p>Lab Pack <input type="checkbox"/></p> <p>Medical <input type="checkbox"/></p> <p>Metal Fines <input type="checkbox"/></p>	<p>Metal Powders <input type="checkbox"/></p> <p>Oxidizer <input type="checkbox"/></p> <p>Pathogen <input type="checkbox"/></p> <p>Pesticide <input type="checkbox"/></p> <p>Polymerizable <input type="checkbox"/></p> <p>Pyrophoric <input type="checkbox"/></p> <p>Radioactive <input type="checkbox"/></p> <p>Sanitary <input type="checkbox"/></p> <p>Sharps <input type="checkbox"/></p> <p>Shock Sensitive <input type="checkbox"/></p> <p>Spontaneously <input type="checkbox"/></p> <p>Combustible <input type="checkbox"/></p> <p>Sulfide <input type="checkbox"/></p> <p>Temperature <input type="checkbox"/></p> <p>Control Required <input type="checkbox"/></p> <p>Temperature <input type="checkbox"/></p> <p>Sensitive <input type="checkbox"/></p> <p>Water Reactive <input type="checkbox"/></p>	<p>16b.</p> <p>Used oil? (per 40 CFR 279) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>Used oil mixed with hazardous waste? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>Total Halogens (TX) concentration? &lt; 1000 PPM <input checked="" type="checkbox"/> &gt; 1000 PPM <input type="checkbox"/></p> <p>16d.</p> <p>Does this material require any special handling? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>If yes, explain: _____</p>	<p>16c.</p> <p>PCBs? (per 40 CFR 761) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>If yes, PCB concentration? &lt; 50 PPM <input type="checkbox"/> &gt; 50 PPM <input type="checkbox"/></p> <p>Greater than 50 PPM source? Yes <input type="checkbox"/> No <input type="checkbox"/></p>
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

16e. Volatile Organic Compound > 500 PPM? Yes  No

Subject to Subpart CC? (per 40 CFR 265.1080-1091) Yes  No

16f. Do any exclusions/exemptions apply? Yes  No

If yes, note the exclusion/exemption: \_\_\_\_\_

16g. Generated from electroplating process? Yes  No

16h. Additional Comments: \_\_\_\_\_

17. Transporter: Heritage Transport <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> (Complete below)	18. Packaging:	Size:	19. Volume:
Transporter Name <u>Freehold Cartage?</u>	Bulk Liquid <input type="checkbox"/>	_____	1/Year 1/Ship ment
Address _____	Bulk Solid <input type="checkbox"/>	_____	
City, State, Zip _____	Cu Yd Bag/Box <input type="checkbox"/>	_____	
Contact/Phone _____	Cylinder <input type="checkbox"/>	_____	
US EPA ID No. _____	Drum <input checked="" type="checkbox"/>	<u>85Gallon</u>	
	Tote (Metal) <input type="checkbox"/>	_____	
	Tote (Poly) <input type="checkbox"/>	_____	

20. Check or List Attachments: Lab Data  MSDS  Cylinder Form  Packing List  Other (list)

21. CERTIFICATION Sign and date the certification.

I hereby certify that I am an authorized agent of the generator, and warrant on behalf of the generator, that all information submitted herein and attached documentation contains true, accurate and complete descriptions of this material. Any sample submitted for analysis is representative of the material being offered for approval. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I will notify Heritage Environmental Services, LLC or Von Roll America, Inc. of any changes in generator status, any information on this form, or any information on the attachments. This certification and signature apply to this form, to all attachments checked in section 20, and to the land disposal restriction notification (LDR) generated from this information.

Signature *Ann E Spaulding* Printed Name Ann E Spaulding Date 7/15/08 Company City of Rochester

22. COMPLETE THIS SECTION FOR NON-HAZARDOUS MATERIAL BEING MANAGED TO A NON-HAZARDOUS PROCESS (EXAMPLE: SUBTITLE D LANDFILL or MASS-BURN)

22a. Does this waste exhibit the chemical characterization of an oxidizer? Yes  No

22b. Is this waste a listed waste? (U, P, K, or F codes) Yes  No

22c. This waste is not characteristically hazardous for D001-D043 based on attached lab data (mark LD), attached MSDS (mark MSDS), or generator knowledge (mark GK).

D001 (Ignitability)	TCLP VOLATILES		TCLP SEMI-VOLATILES	D038 Pyridine
D002 (Corrosivity)	D018 Benzene	_____	D023 o-Cresol	D041 2,4,5-Trichlorophenol
D003 (Reactivity)	D019 Carbon Tetrachloride	_____	D024 m-Cresol	D042 2,4,6-Trichlorophenol
	D021 Chlorobenzene	_____	D025 p-Cresol	
	D022 Chloroform	_____	D028 Cresol	HERBICIDES & PESTICIDES
	D028 1,2-Dichloroethane	_____	D027 1,4-Dichlorobenzene	D012 Endrin
	D029 1,1-Dichloroethylene	_____	D030 2,4-Dinitrotoluene	D013 Lindane
	D035 Methyl Ethyl Ketone	_____	D032 Hexachlorobenzene	D014 Methoxychlor
	D039 Tetrachloroethylene	_____	D033 Hexachlorobutadiene	D015 Toxaphene
	D040 Trichloroethylene	_____	D034 Hexachloroethane	D016 2,4-D
	D043 Vinyl Chloride	_____	D036 Nitrobenzene	D017 2,4,5-TP (Silvex)
			D037 Pentachlorophenol	D020 Chlordane
				D031 Heptachlor

# Upstate Laboratories, Inc.

## Analytical Report

Date: 12-Jun-08

CLIENT: Lu Engineers Client Sample ID: Rusty Drum Waste Oil-01  
 Lab Order: U0805470 Collection Date: 5/22/2008 2:00:00 PM  
 Project: 42001 Orchard/Whitney ERP  
 Lab ID: U0805470-003 Matrix: OIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>POLYCHLORINATED BIPHENYLS IN OIL</b>						
				<b>SW8082</b>	<b>(SW3580A)</b>	Analyst: EA
Aroclor 1016	ND	12		mg/Kg	25	5/30/2008
Aroclor 1221	ND	12		mg/Kg	25	5/30/2008
Aroclor 1232	ND	12		mg/Kg	25	5/30/2008
Aroclor 1242	ND	12		mg/Kg	25	5/30/2008
Aroclor 1248	ND	12		mg/Kg	25	5/30/2008
Aroclor 1254	ND	12		mg/Kg	25	5/30/2008
Aroclor 1260	ND	12		mg/Kg	25	5/30/2008
<b>METALS BY ICP IN OIL</b>						
				<b>SW6010B</b>	<b>(SW3050A)</b>	Analyst: LJ
Arsenic*	ND	1.0		mg/Kg	1	6/4/2008 4:29:13 PM
Barium	ND	30		mg/Kg	1	6/4/2008 4:29:13 PM
Cadmium	ND	0.50		mg/Kg	1	6/4/2008 4:29:13 PM
Chromium	ND	5.0		mg/Kg	1	6/4/2008 4:29:13 PM
Lead	200	10		mg/Kg	1	6/4/2008 4:29:13 PM
Selenium*	0.54	0.50		mg/Kg	1	6/4/2008 4:29:13 PM
Silver	ND	5.0		mg/Kg	1	6/4/2008 4:29:13 PM
<b>TOTAL MERCURY - WASTE (OIL)</b>						
				<b>SW7471A</b>	<b>(SW7471A)</b>	Analyst: DRP
Mercury	ND	0.100		mg/Kg	1	6/5/2008 3:06:57 PM
<b>TCL-SEMIVOLATILE ORGANICS</b>						
				<b>SW8270C</b>	<b>(SW3580A)</b>	Analyst: LD
(3+4)-Methylphenol	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
1,2,4-Trichlorobenzene	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
1,2-Dichlorobenzene	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
1,3-Dichlorobenzene	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
1,4-Dichlorobenzene	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
2,4,5-Trichlorophenol	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
2,4,6-Trichlorophenol	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
2,4-Dichlorophenol	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
2,4-Dimethylphenol	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
2,4-Dinitrophenol	ND	100000		mg/Kg	100	6/4/2008 2:34:00 PM
2,4-Dinitrotoluene	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
2,6-Dinitrotoluene	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
2-Chloronaphthalene	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
2-Chlorophenol	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
2-Methylnaphthalene	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
2-Methylphenol	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
2-Nitroaniline	ND	100000		mg/Kg	100	6/4/2008 2:34:00 PM
2-Nitrophenol	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
3,3'-Dichlorobenzidine	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM

Approved By: PMH

Date: 6-12-08

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Qualifiers: \* Low Level  
 B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit

\*\* Value exceeds Maximum Contaminant Value  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits

#19

# Upstate Laboratories, Inc.

## Analytical Report

Date: 12-Jun-08

CLIENT: Lu Engineers  
 Lab Order: U0805470  
 Project: 42001 Orchard/Whitney ERP  
 Lab ID: U0805470-003

Client Sample ID: Rusty Drum Waste Oil-01  
 Collection Date: 5/22/2008 2:00:00 PM

Matrix: OIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>TCL-SEMIVOLATILE ORGANICS</b>						
				<b>SW8270C</b>	<b>(SW3580A)</b>	<b>Analyst: LD</b>
3-Nitroaniline	ND	100000		mg/Kg	100	6/4/2008 2:34:00 PM
4,6-Dinitro-2-methylphenol	ND	100000		mg/Kg	100	6/4/2008 2:34:00 PM
4-Bromophenyl phenyl ether	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
4-Chloro-3-methylphenol	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
4-Chloroaniline	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
4-Chlorophenyl phenyl ether	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
4-Nitroaniline	ND	100000		mg/Kg	100	6/4/2008 2:34:00 PM
4-Nitrophenol	ND	100000		mg/Kg	100	6/4/2008 2:34:00 PM
Acenaphthene	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
Acenaphthylene	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
Anthracene	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
Benz(a)anthracene	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
Benzo(a)pyrene	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
Benzo(b)fluoranthene	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
Benzo(g,h,i)perylene	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
Benzo(k)fluoranthene	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
Bis(2-chloroethoxy)methane	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
Bis(2-chloroethyl)ether	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
Bis(2-chloroisopropyl)ether	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
Bis(2-ethylhexyl)phthalate	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
Butyl benzyl phthalate	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
Carbazole	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
Chrysene	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
Di-n-butyl phthalate	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
Di-n-octyl phthalate	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
Dibenz(a,h)anthracene	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
Dibenzofuran	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
Diethyl phthalate	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
Dimethyl phthalate	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
Fluoranthene	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
Fluorene	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
Hexachlorobenzene	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
Hexachlorobutadiene	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
Hexachlorocyclopentadiene	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
Hexachloroethane	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
Indeno(1,2,3-cd)pyrene	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
Isophorone	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
N-Nitrosodi-n-propylamine	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
N-Nitrosodiphenylamine	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM

Approved By: PMH

Date: 6-12-08

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Qualifiers: \* Low Level  
 B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit

\*\* Value exceeds Maximum Contaminant Value  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits

#19

# Upstate Laboratories, Inc.

## Analytical Report

Date: 12-Jun-08

CLIENT: Lu Engineers  
 Lab Order: U0805470  
 Project: 42001 Orchard/Whitney ERP  
 Lab ID: U0805470-003

Client Sample ID: Rusty Drum Waste Oil-01  
 Collection Date: 5/22/2008 2:00:00 PM

Matrix: OIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>TCL-SEMIVOLATILE ORGANICS</b>						
				<b>SW8270C</b>	<b>(SW3580A)</b>	<b>Analyst: LD</b>
Naphthalene	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
Nitrobenzene	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
Pentachlorophenol	ND	20000		mg/Kg	100	6/4/2008 2:34:00 PM
Phenanthrene	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
Phenol	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
Pyrene	ND	10000		mg/Kg	100	6/4/2008 2:34:00 PM
<b>NOTES:</b>						
The reporting limits were raised due to matrix interference.						
<b>TCL VOLATILE ORGANICS</b>						
				<b>SW8260B</b>		<b>Analyst: MM</b>
1,1,1-Trichloroethane	ND	15000		µg/Kg	5000	6/3/2008 3:07:00 PM
1,1,2,2-Tetrachloroethane	ND	15000		µg/Kg	5000	6/3/2008 3:07:00 PM
1,1,2-Trichloroethane	ND	15000		µg/Kg	5000	6/3/2008 3:07:00 PM
1,1-Dichloroethane	ND	15000		µg/Kg	5000	6/3/2008 3:07:00 PM
1,1-Dichloroethene	ND	15000		µg/Kg	5000	6/3/2008 3:07:00 PM
1,2-Dichloroethane	ND	15000		µg/Kg	5000	6/3/2008 3:07:00 PM
1,2-Dichloropropane	ND	15000		µg/Kg	5000	6/3/2008 3:07:00 PM
2-Butanone	ND	50000		µg/Kg	5000	6/3/2008 3:07:00 PM
2-Hexanone	ND	50000		µg/Kg	5000	6/3/2008 3:07:00 PM
4-Methyl-2-pentanone	ND	50000		µg/Kg	5000	6/3/2008 3:07:00 PM
Acetone	ND	50000		µg/Kg	5000	6/3/2008 3:07:00 PM
Benzene	ND	15000		µg/Kg	5000	6/3/2008 3:07:00 PM
Bromodichloromethane	ND	15000		µg/Kg	5000	6/3/2008 3:07:00 PM
Bromoform	ND	15000		µg/Kg	5000	6/3/2008 3:07:00 PM
Bromomethane	ND	15000		µg/Kg	5000	6/3/2008 3:07:00 PM
Carbon disulfide	ND	15000		µg/Kg	5000	6/3/2008 3:07:00 PM
Carbon tetrachloride	ND	15000		µg/Kg	5000	6/3/2008 3:07:00 PM
Chlorobenzene	ND	15000		µg/Kg	5000	6/3/2008 3:07:00 PM
Chloroethane	ND	15000		µg/Kg	5000	6/3/2008 3:07:00 PM
Chloroform	ND	15000		µg/Kg	5000	6/3/2008 3:07:00 PM
Chloromethane	ND	15000		µg/Kg	5000	6/3/2008 3:07:00 PM
cis-1,2-Dichloroethene	ND	15000		µg/Kg	5000	6/3/2008 3:07:00 PM
cis-1,3-Dichloropropene	ND	15000		µg/Kg	5000	6/3/2008 3:07:00 PM
Dibromochloromethane	ND	15000		µg/Kg	5000	6/3/2008 3:07:00 PM
Ethylbenzene	ND	15000		µg/Kg	5000	6/3/2008 3:07:00 PM
m,p-Xylene	ND	15000		µg/Kg	5000	6/3/2008 3:07:00 PM
Methylene chloride	ND	15000		µg/Kg	5000	6/3/2008 3:07:00 PM
o-Xylene	ND	15000		µg/Kg	5000	6/3/2008 3:07:00 PM
Styrene	ND	15000		µg/Kg	5000	6/3/2008 3:07:00 PM

Approved By: PMH

Date: 6-12-08

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Qualifiers: \* Low Level  
 B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit

\*\* Value exceeds Maximum Contaminant Value  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits

#19

**Upstate Laboratories, Inc.**

**Analytical Report**

Date: 12-Jun-08

CLIENT: Lu Engineers Client Sample ID: Rusty Drum Waste Oil-01  
 Lab Order: U0805470 Collection Date: 5/22/2008 2:00:00 PM  
 Project: 42001 Orchard/Whitney ERP  
 Lab ID: U0805470-003 Matrix: OIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>TCL VOLATILE ORGANICS</b>						
				<b>SW8260B</b>		Analyst: MM
Tetrachloroethene	ND	15000		µg/Kg	5000	6/3/2008 3:07:00 PM
Toluene	ND	15000		µg/Kg	5000	6/3/2008 3:07:00 PM
trans-1,2-Dichloroethene	ND	15000		µg/Kg	5000	6/3/2008 3:07:00 PM
trans-1,3-Dichloropropene	ND	15000		µg/Kg	5000	6/3/2008 3:07:00 PM
Trichloroethene	ND	15000		µg/Kg	5000	6/3/2008 3:07:00 PM
Vinyl chloride	ND	10000		µg/Kg	5000	6/3/2008 3:07:00 PM
<b>NOTES:</b>						
The reporting limits were raised due to matrix interference. Oil matrix						
<b>IGNITABILITY</b>						
				<b>SW1010</b>		Analyst: NJS
Ignitability	>60	0		°C	1	5/28/2008
<b>LABORATORY PH</b>						
				<b>SW9045C</b>		Analyst: DEY
pH	6.91	2.00		SU	1	5/29/2008

Approved By: PMH

Date: 6-12-08

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Qualifiers: \* Low Level  
 B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit

\*\* Value exceeds Maximum Contaminant Value  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits

#19



**HERITAGE ENVIRONMENTAL SERVICES, LLC  
WASTESTREAM SURVEY FORM**

(877)436-8778

www.heritage-enviro.com

Please review instructions before completing this form.

Heritage Use Only	
Quote #:	WS#:
Business Type: Repeatable: <input type="checkbox"/> Non-Repeatable: <input type="checkbox"/>	
Product Code:	Price:

Preferred TSD Location *:	Charlotte, NC <input type="checkbox"/>	Coolidge, AZ <input type="checkbox"/>	Indianapolis, IN <input type="checkbox"/>	Kansas City, MO <input type="checkbox"/>	Roachdale, IN: Hazardous Landfill <input type="checkbox"/> Non-Hazardous Landfill <input type="checkbox"/>	VRAWTI <input checked="" type="checkbox"/>
Service Location *:	Albany, NY <input checked="" type="checkbox"/>	Blaine, MN <input type="checkbox"/>	East Liverpool, OH <input type="checkbox"/>	Hammond, IN <input type="checkbox"/>	Lemont, IL <input type="checkbox"/>	
	Louisville, KY <input type="checkbox"/>	Signal Hill, CA <input type="checkbox"/>	St. Louis, MO <input type="checkbox"/>	Toledo, OH <input type="checkbox"/>	Tulsa, OK <input type="checkbox"/>	

<b>1. GENERATOR INFORMATION (Heritage# ) *</b>	
Generator Name	354 Whitney Street
Address	354 Whitney Street
City, State, Zip	Rochester, NY 14606
Tech. Contact Name	Anne Spaulding
Phone	585-428-7474 Fax
24 Hour Emergency Number	
E-mail Address	
US EPA ID Number	NYR000158204
State ID Numbers	
Status	LQG <input checked="" type="checkbox"/> SQG <input type="checkbox"/> CESQG <input type="checkbox"/> Non-hazardous <input type="checkbox"/>

<b>2. BILLING INFORMATION (Heritage # ) *</b>	
Customer Name	Advanced Waste Solutions, Inc.
Address	PO Box 904
City, State, Zip	Lockport, NY 14095
Contact Name	Mike Herlan
Phone	(716)439-1221 Fax (716)439-1222
E-mail Address	
<b>3. MANIFEST MAIL ADDRESS (If different from generator)</b>	
Contact Name	Anne Spaulding
Company Name	City of Rochester
Address	30 Church St. - City Hall - Room 300-B
City, State, Zip	Rochester, NY 14614

4. Generator SIC Code	If 3312, do you perform Coke Oven Byproduct Recovery Operations? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If 28 __, 2911, 3312, or 4953, what is the Total Annual Benzene (TAB) in Megagrams/year?
-----------------------	--------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------

5. Common Name Acidic Boiler Treatment

6. Process Generating Waste Discarding of Material During Facility Demolition

7. DOT Description \* (if available)  
RQ Waste Corrosive Liquids, Acidic, Inorganic, n.o.s. ( Phosphoric acid )

8. Identify US EPA waste codes D002

9. If D001-D043, are any Underlying Hazardous Constituents (UHCs) present? Yes  No  NA  If yes, list in Section 13.

10. If F001-F005, or F039, list the F-listed hazardous constituents in Section 13.

11. US EPA Form Code \* W105 US EPA Source Code \* G11

12. Identify state waste codes

13. Waste Composition: Using specific chemical names and/or descriptions of waste composition, list all constituents present in the wastestream, and identify those that are underlying hazardous constituents (UHCs), or F001-F005/F039 hazardous constituents. Attach available analysis or MSDSs. Total composition must equal or exceed 100%.

Constituents	Range	Units	UHC?	F-Listed?
Water	45-60	%	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
Phosphoric Acid	40-50	%	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
Gluconic Acid	1-5	%	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
			Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
			Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
			Yes <input type="checkbox"/>	Yes <input type="checkbox"/>

14. Color Clear Appearance Water Odor Acidic

15.	<b>15a. Chemical Properties</b>				<b>15b. Physical Properties at 70°F</b>			
	Flash < 73 <input type="checkbox"/>	BTU/lb < 2,000 <input type="checkbox"/>	Solid <input type="checkbox"/>	Free Liquids? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
	Point (F°) < 100 <input type="checkbox"/>	2,000-6,000 <input checked="" type="checkbox"/>	Liquid <input checked="" type="checkbox"/>	Will waste dump out of drums? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
	100-140 <input type="checkbox"/>	6,000-10,000 <input type="checkbox"/>	Sludge <input type="checkbox"/>	Is the waste pumpable? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
141-200 <input type="checkbox"/>	> 10,000 <input type="checkbox"/>	Semi-solid <input type="checkbox"/>	Debris?(List type in Section 13) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					
> 200 <input checked="" type="checkbox"/>		Powder <input type="checkbox"/>	Is the waste dusty? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					
Boiling < 100 <input type="checkbox"/>	pH < 2	Gas <input type="checkbox"/>	% Solids 0%		% Liquids 100%			
Point (F°) > 100 <input checked="" type="checkbox"/>	Range	Note: * These sections will be completed by Heritage if left blank.						



Common Name (same as Item #5): Acidic Boiler Treatment

16. Check all that apply. Marking any of these may require additional documentation or follow-up information.

<p>16a.</p> <p>Aerosols <input type="checkbox"/></p> <p>Air Reactive <input type="checkbox"/></p> <p>Ammonia <input type="checkbox"/></p> <p>Asbestos <input type="checkbox"/></p> <p>Autoignitable <input type="checkbox"/></p> <p>Biological <input type="checkbox"/></p> <p>Carcinogen <input type="checkbox"/></p> <p>Chelating Agent <input type="checkbox"/></p> <p>Compressed Gas <input type="checkbox"/></p> <p>Dioxins <input type="checkbox"/></p> <p>Etiological <input type="checkbox"/></p> <p>Explosive <input type="checkbox"/></p> <p>Herbicide <input type="checkbox"/></p> <p>Infectious <input type="checkbox"/></p> <p>Insecticide <input type="checkbox"/></p> <p>Lab Pack <input type="checkbox"/></p> <p>Medical <input type="checkbox"/></p> <p>Metal Fines <input type="checkbox"/></p>	<p>Metal Powders <input type="checkbox"/></p> <p>Oxidizer <input type="checkbox"/></p> <p>Pathogen <input type="checkbox"/></p> <p>Pesticide <input type="checkbox"/></p> <p>Polymerizable <input type="checkbox"/></p> <p>Pyrophoric <input type="checkbox"/></p> <p>Radioactive <input type="checkbox"/></p> <p>Sanitary <input type="checkbox"/></p> <p>Sharps <input type="checkbox"/></p> <p>Shock Sensitive <input type="checkbox"/></p> <p>Spontaneously <input type="checkbox"/></p> <p>Combustible <input type="checkbox"/></p> <p>Sulfide <input type="checkbox"/></p> <p>Temperature <input type="checkbox"/></p> <p>Control Required <input type="checkbox"/></p> <p>Temperature <input type="checkbox"/></p> <p>Sensitive <input type="checkbox"/></p> <p>Water Reactive <input type="checkbox"/></p>	<p>16b.</p> <p>Used oil? (per 40 CFR 279) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>Used oil mixed with hazardous waste? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>Total Halogens (TX) concentration? &lt; 1000 PPM <input checked="" type="checkbox"/> &gt; 1000 PPM <input type="checkbox"/></p>	<p>16c.</p> <p>PCBs? (per 40 CFR 761) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>If yes, PCB concentration? &lt; 50 PPM <input type="checkbox"/> &gt; 50 PPM <input type="checkbox"/></p> <p>Greater than 50 PPM source? Yes <input type="checkbox"/> No <input type="checkbox"/></p>
<p>16e.</p> <p>Volatile Organic Compound &gt; 500 PPM? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>Subject to Subpart CC? (per 40 CFR 265.1080-1091) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>		<p>16f.</p> <p>Do any exclusions/exemptions apply? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>If yes, note the exclusion/exemption: _____</p>	
<p>16g.</p> <p>Generated from electroplating process? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>		<p>16d.</p> <p>Does this material require any special handling? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>If yes, explain: _____</p>	
<p>16h. Additional Comments: _____</p>			

17. Transporter: Heritage Transport <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> (Complete below)	18. Packaging:	Size:	19. Volume:
	<p>Transporter Name <u>Freehold Cartage?</u></p> <p>Address _____</p> <p>City, State, Zip _____</p> <p>Contact/Phone _____</p> <p>US EPA ID No. _____</p>	<p>Bulk Liquid <input type="checkbox"/></p> <p>Bulk Solid <input type="checkbox"/></p> <p>Cu Yd Bag/Box <input type="checkbox"/></p> <p>Cylinder <input type="checkbox"/></p> <p>Drum <input checked="" type="checkbox"/></p> <p>Tote (Metal) <input type="checkbox"/></p> <p>Tote (Poly) <input type="checkbox"/></p>	<p>_____</p> <p>_____</p> <p>85Gallon</p> <p>_____</p> <p>_____</p>

20. Check or List Attachments: Lab Data  MSDS  Cylinder Form  Packing List  Other (list)

21. CERTIFICATION Sign and date the certification.

I hereby certify that I am an authorized agent of the generator, and warrant on behalf of the generator, that all information submitted herein and attached documentation contains true, accurate and complete descriptions of this material. Any sample submitted for analysis is representative of the material being offered for approval. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I will notify Heritage Environmental Services, LLC or Von Roll America, Inc. of any changes in generator status, any information on this form, or any information on the attachments. This certification and signature apply to this form, to all attachments checked in section 20, and to the land disposal restriction notification (LDR) generated from this information.

Signature \_\_\_\_\_ Printed Name \_\_\_\_\_ Date \_\_\_\_\_ Company \_\_\_\_\_

22. COMPLETE THIS SECTION FOR NON-HAZARDOUS MATERIAL BEING MANAGED TO A NON-HAZARDOUS PROCESS (EXAMPLE: SUBTITLE D LANDFILL or MASS-BURN)

22a. Does this waste exhibit the chemical characterization of an oxidizer? Yes  No

22b. Is this waste a listed waste? (U, P, K, or F codes) Yes  No

22c. This waste is not characteristically hazardous for D001-D043 based on attached lab data (mark LD), attached MSDS (mark MSDS), or generator knowledge (mark GK).

D001 (Ignitability) _____	TCLP VOLATILES		D038 Pyridine _____
D002 (Corrosivity) _____	D018 Benzene _____	D023 o-Cresol _____	D041 2,4,5-Trichlorophenol _____
D003 (Reactivity) _____	D019 Carbon Tetrachloride _____	D024 m-Cresol _____	D042 2,4,6-Trichlorophenol _____
TCLP METALS		D025 p-Cresol _____	HERBICIDES & PESTICIDES
D004 Arsenic _____	D021 Chlorobenzene _____	D026 Cresol _____	
D005 Barium _____	D022 Chloroform _____	D027 1,4-Dichlorobenzene _____	D012 Endrin _____
D006 Cadmium _____	D028 1,2-Dichloroethane _____	D030 2,4-Dinitrotoluene _____	D013 Lindane _____
D007 Chromium _____	D029 1,1-Dichloroethylene _____	D032 Hexachlorobenzene _____	D014 Methoxychlor _____
D008 Lead _____	D035 Methyl Ethyl Ketone _____	D033 Hexachlorobutadiene _____	D015 Toxaphene _____
D009 Mercury _____	D039 Tetrachloroethylene _____	D034 Hexachloroethane _____	D016 2,4-D _____
D010 Selenium _____	D040 Trichloroethylene _____	D036 Nitrobenzene _____	D017 2,4,5-TP (Silvex) _____
D011 Silver _____	D043 Vinyl Chloride _____	D037 Pentachlorophenol _____	D020 Chlordane _____
			D031 Heptachlor _____

Common Name (same as Item #5): Acidic Boiler Treatment

16. Check all that apply. Marking any of these may require additional documentation or follow-up information.

<p>16a.</p> <p>Aerosols <input type="checkbox"/> Metal Powders <input type="checkbox"/></p> <p>Air Reactive <input type="checkbox"/> Oxidizer <input type="checkbox"/></p> <p>Ammonia <input type="checkbox"/> Pathogen <input type="checkbox"/></p> <p>Asbestos <input type="checkbox"/> Pesticide <input type="checkbox"/></p> <p>Autofluorescent <input type="checkbox"/> Polymerizable <input type="checkbox"/></p> <p>Biological <input type="checkbox"/> Pyrophoric <input type="checkbox"/></p> <p>Carcinogen <input type="checkbox"/> Radioactive <input type="checkbox"/></p> <p>Chelating Agent <input type="checkbox"/> Sanitary <input type="checkbox"/></p> <p>Compressed Gas <input type="checkbox"/> Sharps <input type="checkbox"/></p> <p>Dioxins <input type="checkbox"/> Shock Sensitive <input type="checkbox"/></p> <p>Etiological <input type="checkbox"/> Spontaneously <input type="checkbox"/></p> <p>Explosive <input type="checkbox"/> Combustible <input type="checkbox"/></p> <p>Herbicide <input type="checkbox"/> Sulfide <input type="checkbox"/></p> <p>Infectious <input type="checkbox"/> Temperature <input type="checkbox"/></p> <p>Insecticide <input type="checkbox"/> Control Required <input type="checkbox"/></p> <p>Lab Pack <input type="checkbox"/> Temperature <input type="checkbox"/></p> <p>Medical <input type="checkbox"/> Sensitive <input type="checkbox"/></p> <p>Metal Fines <input type="checkbox"/> Water Reactive <input type="checkbox"/></p>	<p>16b.</p> <p>Used oil? (per 40 CFR 279) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>Used oil mixed with hazardous waste? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>Total Halogens (TX) concentration? &lt; 1000 PPM <input checked="" type="checkbox"/> &gt; 1000 PPM <input type="checkbox"/></p>	<p>16c.</p> <p>PCBs? (per 40 CFR 761) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>If yes, PCB concentration? &lt; 50 PPM <input type="checkbox"/> &gt; 50 PPM <input type="checkbox"/></p> <p>Greater than 50 PPM source? Yes <input type="checkbox"/> No <input type="checkbox"/></p>
<p>16d. Does this material require any special handling? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>if yes, explain: _____</p>		
<p>16e. Volatile Organic Compound &gt; 500 PPM? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>Subject to Subpart CC? (per 40 CFR 265.1080-1091) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	<p>16f. Do any exclusions/exemptions apply? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>If yes, note the exclusion/exemption: _____</p>	
<p>16g. Generated from electroplating process? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	<p>16h. Additional Comments: _____</p>	

<p>17. Transporter: Heritage Transport <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> (Complete below)</p> <p>Transporter Name <u>Freehold Cartage?</u></p> <p>Address _____</p> <p>City, State, Zip _____</p> <p>Contact/Phone _____</p> <p>US EPA ID No. _____</p>	<p>18. Packaging:</p> <p>Bulk Liquid <input type="checkbox"/></p> <p>Bulk Solid <input type="checkbox"/></p> <p>Cu Yd Bag/Box <input type="checkbox"/></p> <p>Cylinder <input type="checkbox"/></p> <p>Drum <input checked="" type="checkbox"/></p> <p>Tote (Metal) <input type="checkbox"/></p> <p>Tote (Poly) <input type="checkbox"/></p>	<p>Size: <u>85Gallon</u></p>	<p>19. Volume:</p> <p><u>1/Year</u></p> <p><u>1/Shipment</u></p>
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20. Check or List Attachments: Lab Data  MSDS  Cylinder Form  Packing List  Other (list)

21. CERTIFICATION Sign and date the certification.

I hereby certify that I am an authorized agent of the generator, and warrant on behalf of the generator, that all information submitted herein and attached documentation contains true, accurate and complete descriptions of this material. Any sample submitted for analysis is representative of the material being offered for approval. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I will notify Heritage Environmental Services, LLC or Von Roll America, Inc. of any changes in generator status, any information on this form, or any information on the attachments. This certification and signature apply to this form, to all attachments checked in section 20, and to the land disposal restriction notification (LDR) generated from this information.

Signature Anne E Spaulding Printed Name Anne E Spaulding Date 2/15/08 Company City of Rochester

22. COMPLETE THIS SECTION FOR NON-HAZARDOUS MATERIAL BEING MANAGED TO A NON-HAZARDOUS PROCESS (EXAMPLE: SUBTITLE D LANDFILL or MASS-BURN)

22a. Does this waste exhibit the chemical characterization of an oxidizer? Yes  No

22b. Is this waste a listed waste? (U, P, K, or F codes) Yes  No

22c. This waste is not characteristically hazardous for D001-D043 based on attached lab data (mark LD), attached MSDS (mark MSDS), or generator knowledge (mark GK).

<p>D001 (Ignitability) _____</p> <p>D002 (Corrosivity) _____</p> <p>D003 (Reactivity) _____</p>	<p><b>TCLP VOLATILES</b></p> <p>D018 Benzene _____</p> <p>D019 Carbon Tetrachloride _____</p> <p>D021 Chlorobenzene _____</p> <p>D022 Chloroform _____</p> <p>D028 1,2-Dichloroethane _____</p> <p>D029 1,1-Dichloroethylene _____</p> <p>D035 Methyl Ethyl Ketone _____</p> <p>D039 Tetrachloroethylene _____</p> <p>D040 Trichloroethylene _____</p> <p>D043 Vinyl Chloride _____</p>	<p><b>TCLP SEMI-VOLATILES</b></p> <p>D023 o-Cresol _____</p> <p>D024 m-Cresol _____</p> <p>D025 p-Cresol _____</p> <p>D026 Cresol _____</p> <p>D027 1,4-Dichlorobenzene _____</p> <p>D030 2,4-Dinitrotoluene _____</p> <p>D032 Hexachlorobenzene _____</p> <p>D033 Hexachlorobutadiene _____</p> <p>D034 Hexachloroethane _____</p> <p>D036 Nitrobenzene _____</p> <p>D037 Pentachlorophenol _____</p>	<p>D038 Pyridine _____</p> <p>D041 2,4,5-Trichlorophenol _____</p> <p>D042 2,4,6-Trichlorophenol _____</p> <p><b>HERBICIDES &amp; PESTICIDES</b></p> <p>D012 Endrin _____</p> <p>D013 Lindane _____</p> <p>D014 Methoxychlor _____</p> <p>D015 Toxaphene _____</p> <p>D016 2,4-D _____</p> <p>D017 2,4,5-TP (Silvex) _____</p> <p>D020 Chlordane _____</p> <p>D031 Heptachlor _____</p>
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# Upstate Laboratories, Inc.

## Analytical Report

Date: 12-Jun-08

CLIENT: Lu Engineers Client Sample ID: Wood Drum-01  
 Lab Order: U0805470 Collection Date: 5/22/2008 2:15:00 PM  
 Project: 42001 Orchard/Whitney ERP  
 Lab ID: U0805470-004 Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>POLYCHLORINATED BIPHENYLS IN WASTEWATER</b>						
				<b>SW8082</b>	<b>(SW3510B)</b>	Analyst: EA
Aroclor 1016	ND	0.50		µg/L	1	5/30/2008
Aroclor 1221	ND	0.50		µg/L	1	5/30/2008
Aroclor 1232	ND	0.50		µg/L	1	5/30/2008
Aroclor 1242	ND	0.50		µg/L	1	5/30/2008
Aroclor 1248	ND	0.50		µg/L	1	5/30/2008
Aroclor 1254	ND	0.50		µg/L	1	5/30/2008
Aroclor 1260	ND	0.50		µg/L	1	5/30/2008
<b>ICP METALS, TOTALS</b>						
				<b>E200.7</b>	<b>(E200.7)</b>	Analyst: DRP
Arsenic*	0.017	0.010		mg/L	1	6/3/2008 8:57:05 AM
Barium	ND	0.30		mg/L	1	6/3/2008 8:57:05 AM
Cadmium	0.015	0.005		mg/L	1	6/3/2008 8:57:05 AM
Chromium	ND	0.050		mg/L	1	6/3/2008 8:57:05 AM
Lead	0.73	0.10		mg/L	1	6/3/2008 8:57:05 AM
Selenium*	ND	0.005		mg/L	1	6/3/2008 8:57:05 AM
Silver	ND	0.050		mg/L	1	6/3/2008 8:57:05 AM
<b>TOTAL MERCURY WATERS</b>						
				<b>E245.2</b>	<b>(E245.2)</b>	Analyst: DRP
Mercury	0.0013	0.0002		mg/L	1	5/29/2008 3:39:52 PM
<b>TCL-SEMIVOLATILE ORGANICS</b>						
				<b>SW8270C</b>	<b>(SW3510)</b>	Analyst: LD
(3+4)-Methylphenol	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
1,2,4-Trichlorobenzene	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
1,2-Dichlorobenzene	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
1,3-Dichlorobenzene	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
1,4-Dichlorobenzene	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
2,3,4,6-Tetrachlorophenol	ND	10000		µg/L	100	6/10/2008 10:54:00 PM
2,4,5-Trichlorophenol	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
2,4,6-Trichlorophenol	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
2,4-Dichlorophenol	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
2,4-Dimethylphenol	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
2,4-Dinitrophenol	ND	50000		µg/L	100	6/10/2008 10:54:00 PM
2,4-Dinitrotoluene	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
2,6-Dinitrotoluene	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
2-Chloronaphthalene	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
2-Chlorophenol	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
2-Methylnaphthalene	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
2-Methylphenol	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
2-Nitroaniline	ND	50000		µg/L	100	6/10/2008 10:54:00 PM
2-Nitrophenol	ND	5000		µg/L	100	6/10/2008 10:54:00 PM

Approved By: PMH

Date: 6-12-08

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Qualifiers: \* Low Level  
 B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit

\*\* Value exceeds Maximum Contaminant Value  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits

#21

# Upstate Laboratories, Inc.

## Analytical Report

Date: 12-Jun-08

**CLIENT:** Lu Engineers **Client Sample ID:** Wood Drum-01  
**Lab Order:** U0805470 **Collection Date:** 5/22/2008 2:15:00 PM  
**Project:** 42001 Orchard/Whitney ERP  
**Lab ID:** U0805470-004 **Matrix:** WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>TCL-SEMIVOLATILE ORGANICS</b>				<b>SW8270C</b>	<b>(SW3510)</b>	<b>Analyst: LD</b>
3,3'-Dichlorobenzidine	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
3-Nitroaniline	ND	50000		µg/L	100	6/10/2008 10:54:00 PM
4,6-Dinitro-2-methylphenol	ND	50000		µg/L	100	6/10/2008 10:54:00 PM
4-Bromophenyl phenyl ether	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
4-Chloro-3-methylphenol	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
4-Chloroaniline	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
4-Chlorophenyl phenyl ether	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
4-Nitroaniline	ND	50000		µg/L	100	6/10/2008 10:54:00 PM
4-Nitrophenol	ND	50000		µg/L	100	6/10/2008 10:54:00 PM
Acenaphthene	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
Acenaphthylene	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
Anthracene	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
Benz(a)anthracene	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
Benzo(a)pyrene	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
Benzo(b)fluoranthene	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
Benzo(g,h,i)perylene	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
Benzo(k)fluoranthene	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
Bis(2-chloroethoxy)methane	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
Bis(2-chloroethyl)ether	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
Bis(2-chloroisopropyl)ether	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
Bis(2-ethylhexyl)phthalate	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
Butyl benzyl phthalate	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
Carbazole	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
Chrysene	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
Di-n-butyl phthalate	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
Di-n-octyl phthalate	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
Dibenz(a,h)anthracene	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
Dibenzofuran	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
Diethyl phthalate	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
Dimethyl phthalate	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
Fluoranthene	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
Fluorene	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
Hexachlorobenzene	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
Hexachlorobutadiene	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
Hexachlorocyclopentadiene	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
Hexachloroethane	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
Indeno(1,2,3-cd)pyrene	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
Isophorone	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
N-Nitrosodi-n-propylamine	ND	5000		µg/L	100	6/10/2008 10:54:00 PM

Approved By: PMH

Date: 6-12-08

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**Qualifiers:** \* Low Level  
 B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit

\*\* Value exceeds Maximum Contaminant Value  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits

#21

# Upstate Laboratories, Inc.

## Analytical Report

Date: 12-Jun-08

CLIENT: Lu Engineers  
 Lab Order: U0805470  
 Project: 42001 Orchard/Whitney ERP  
 Lab ID: U0805470-004

Client Sample ID: Wood Drum-01  
 Collection Date: 5/22/2008 2:15:00 PM

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>TCL-SEMIVOLATILE ORGANICS</b>						
				<b>SW8270C</b>	<b>(SW3510)</b>	<b>Analyst: LD</b>
N-Nitrosodiphenylamine	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
Naphthalene	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
Nitrobenzene	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
Pentachlorophenol	ND	10000		µg/L	100	6/10/2008 10:54:00 PM
Phenanthrene	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
Phenol	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
Pyrene	ND	5000		µg/L	100	6/10/2008 10:54:00 PM
<b>NOTES:</b>						
The reporting limits were raised due to matrix interference.						
<b>TCL VOLATILE ORGANICS</b>						
				<b>SW8260B</b>		<b>Analyst: MM</b>
1,1,1-Trichloroethane	ND	1500		µg/L	500	5/30/2008 8:57:00 PM
1,1,2,2-Tetrachloroethane	ND	1500		µg/L	500	5/30/2008 8:57:00 PM
1,1,2-Trichloroethane	ND	1500		µg/L	500	5/30/2008 8:57:00 PM
1,1-Dichloroethane	ND	1500		µg/L	500	5/30/2008 8:57:00 PM
1,1-Dichloroethene	ND	1500		µg/L	500	5/30/2008 8:57:00 PM
1,2-Dichloroethane	ND	1500		µg/L	500	5/30/2008 8:57:00 PM
1,2-Dichloropropane	ND	1500		µg/L	500	5/30/2008 8:57:00 PM
2-Butanone	ND	5000		µg/L	500	5/30/2008 8:57:00 PM
2-Hexanone	ND	5000		µg/L	500	5/30/2008 8:57:00 PM
4-Methyl-2-pentanone	ND	5000		µg/L	500	5/30/2008 8:57:00 PM
Acetone	ND	5000		µg/L	500	5/30/2008 8:57:00 PM
Benzene	ND	1500		µg/L	500	5/30/2008 8:57:00 PM
Bromodichloromethane	ND	1500		µg/L	500	5/30/2008 8:57:00 PM
Bromoform	ND	1500		µg/L	500	5/30/2008 8:57:00 PM
Bromomethane	ND	1500		µg/L	500	5/30/2008 8:57:00 PM
Carbon disulfide	ND	1500		µg/L	500	5/30/2008 8:57:00 PM
Carbon tetrachloride	ND	1500		µg/L	500	5/30/2008 8:57:00 PM
Chlorobenzene	ND	1500		µg/L	500	5/30/2008 8:57:00 PM
Chloroethane	ND	1500		µg/L	500	5/30/2008 8:57:00 PM
Chloroform	ND	1500		µg/L	500	5/30/2008 8:57:00 PM
Chloromethane	ND	1500		µg/L	500	5/30/2008 8:57:00 PM
cis-1,2-Dichloroethene	ND	1500		µg/L	500	5/30/2008 8:57:00 PM
cis-1,3-Dichloropropene	ND	1500		µg/L	500	5/30/2008 8:57:00 PM
Dibromochloromethane	ND	1500		µg/L	500	5/30/2008 8:57:00 PM
Ethylbenzene	ND	1500		µg/L	500	5/30/2008 8:57:00 PM
m,p-Xylene	ND	1500		µg/L	500	5/30/2008 8:57:00 PM
Methylene chloride	ND	1500		µg/L	500	5/30/2008 8:57:00 PM
o-Xylene	ND	1500		µg/L	500	5/30/2008 8:57:00 PM

Approved By: PMH

Date: 6-12-08

Page 15 of 20

Qualifiers: \* Low Level  
 B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit

\*\* Value exceeds Maximum Contaminant Value  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits

# 21

**Upstate Laboratories, Inc.**

**Analytical Report**

Date: 12-Jun-08

CLIENT: Lu Engineers Client Sample ID: Wood Drum-01  
 Lab Order: U0805470 Collection Date: 5/22/2008 2:15:00 PM  
 Project: 42001 Orchard/Whitney ERP  
 Lab ID: U0805470-004 Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>TCL VOLATILE ORGANICS</b>				<b>SW8260B</b>		Analyst: MM
Styrene	ND	1500		µg/L	500	5/30/2008 8:57:00 PM
Tetrachloroethene	ND	1500		µg/L	500	5/30/2008 8:57:00 PM
Toluene	ND	1500		µg/L	500	5/30/2008 8:57:00 PM
trans-1,2-Dichloroethene	ND	1500		µg/L	500	5/30/2008 8:57:00 PM
trans-1,3-Dichloropropene	ND	1500		µg/L	500	5/30/2008 8:57:00 PM
Trichloroethene	ND	1500		µg/L	500	5/30/2008 8:57:00 PM
Vinyl chloride	ND	1000		µg/L	500	5/30/2008 8:57:00 PM
<b>NOTES:</b>						
The reporting limits were raised due to matrix interference.						
Sample foamed during purging procedure.						
<b>IGNITABILITY</b>				<b>SW1010</b>		Analyst: NJS
Ignitability	>60	0		°C	1	5/28/2008
<b>LABORATORY HYDROGEN ION (PH)</b>				<b>E150.1</b>		Analyst: TC
pH	<2	2.00		SU	1	5/29/2008 8:41:00 AM

Approved By: DMH Date: 6-12-08 Page 16 of 20

Qualifiers: \* Low Level \*\* Value exceeds Maximum Contaminant Value  
 B Analyte detected in the associated Method Blank E Value above quantitation range  
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits  
 ND Not Detected at the Reporting Limit S Spike Recovery outside accepted recovery limits

#21



**HERITAGE ENVIRONMENTAL SERVICES, LLC  
WASTESTREAM SURVEY FORM  
(877)436-8778  
www.heritage-enviro.com**  
Please review instructions before completing this form.

Heritage Use Only	
Quote #:	WS#:
Business Type: Repeatabe: <input type="checkbox"/> Non-Repeatabe: <input type="checkbox"/>	
Product Code:	Price:

Preferred TSD Location *:	Charlotte, NC <input type="checkbox"/>	Coolidge, AZ <input type="checkbox"/>	Indianapolis, IN <input type="checkbox"/>	Kansas City, MO <input type="checkbox"/>	Roachdale, IN: Hazardous Landfill <input type="checkbox"/> Non-Hazardous Landfill <input type="checkbox"/>	VRAWTI <input checked="" type="checkbox"/>
Service Location *:	Albany, NY <input checked="" type="checkbox"/>	Blaine, MN <input type="checkbox"/>	East Liverpool, OH <input type="checkbox"/>	Hammond, IN <input type="checkbox"/>	Lemont, IL <input type="checkbox"/>	
	Louisville, KY <input type="checkbox"/>	Signal Hill, CA <input type="checkbox"/>	St. Louis, MO <input type="checkbox"/>	Toledo, OH <input type="checkbox"/>	Tulsa, OK <input type="checkbox"/>	

<b>1. GENERATOR INFORMATION (Heritage# ) *</b>	
Generator Name	354 Whitney Street
Address	354 Whitney Street
City, State, Zip	Rochester, NY 14606
Tech. Contact Name	Anne Spaulding
Phone	585-428-7474 Fax
24 Hour Emergency Number	
E-mail Address	
US EPA ID Number	NYR000158204
State ID Numbers	
Status	LQG <input checked="" type="checkbox"/> SQG <input type="checkbox"/> CESQG <input type="checkbox"/> Non-hazardous <input type="checkbox"/>

<b>2. BILLING INFORMATION (Heritage # ) *</b>	
Customer Name	Advanced Waste Solutions, Inc.
Address	PO Box 904
City, State, Zip	Lockport, NY 14095
Contact Name	Mike Herlan
Phone	(716)439-1221 Fax (716)439-1222
E-mail Address	
<b>3. MANIFEST MAIL ADDRESS (If different from generator)</b>	
Contact Name	Anne Spaulding
Company Name	City of Rochester
Address	30 Church St. - City Hall - Room 300-B
City, State, Zip	Rochester, NY 14614

4. Generator SIC Code	If 3312, do you perform Coke Oven Byproduct Recovery Operations? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If 28__, 2911, 3312, or 4953, what is the Total Annual Benzene (TAB) in Megagrams/year?
-----------------------	--------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------

5. Common Name Caustic Cleaner

6. Process Generating Waste Discarding of Material During Facility Demolition

7. DOT Description \* (if available)  
USDOT Non-Regulated, Non-Hazardous Cleaner

8. Identify US EPA waste codes N/A

9. If D001-D043, are any Underlying Hazardous Constituents (UHCs) present? Yes  No  NA  If yes, list in Section 13.

10. If F001-F005, or F039, list the F-listed hazardous constituents in Section 13.

11. US EPA Form Code \* W110 US EPA Source Code \* G11

12. Identify state waste codes

13. Waste Composition: Using specific chemical names and/or descriptions of waste composition, list all constituents present in the wastestream, and identify those that are underlying hazardous constituents (UHCs), or F001-F005/F039 hazardous constituents. Attach available analysis or MSDSs. **Total composition must equal or exceed 100%.**

Constituents	Range	Units	UHC?	F-Listed?
Water	80-90	%	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
Sodium Hydroxide	1-5	%	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
Surfactants	10-15	%	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
			Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
			Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
			Yes <input type="checkbox"/>	Yes <input type="checkbox"/>

14. Color Clear Appearance Water Odor Detergent

15.	<b>15a. Chemical Properties</b>				<b>15b. Physical Properties at 70°F</b>			
	Flash < 73 <input type="checkbox"/>	BTU/lb < 2,000 <input type="checkbox"/>	Solid <input type="checkbox"/>	Free Liquids? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Point (F°) < 100 <input type="checkbox"/>	2,000-6,000 <input checked="" type="checkbox"/>	Liquid <input checked="" type="checkbox"/>	Will waste dump out of drums? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	100-140 <input type="checkbox"/>	6,000-10,000 <input type="checkbox"/>	Sludge <input type="checkbox"/>	Is the waste pumpable? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	141-200 <input type="checkbox"/>	> 10,000 <input type="checkbox"/>	Semi-solid <input type="checkbox"/>	Debris?(List type in Section 13) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
> 200 <input checked="" type="checkbox"/>		Powder <input type="checkbox"/>	Is the waste dusty? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			Gas <input type="checkbox"/>		
Boiling Point (F°) < 100 <input type="checkbox"/>	pH 8-9	% Solids 0%	% Liquids 100%	> 100 <input checked="" type="checkbox"/>	Range	Note: * These sections will be completed by Heritage if left blank.		

Container #22

Common Name (same as Item #5): Caustic Cleaner

16. Check all that apply. Marking any of these may require additional documentation or follow-up information.

<p>16a.</p> <p>Aerosols <input type="checkbox"/></p> <p>Air Reactive <input type="checkbox"/></p> <p>Ammonia <input type="checkbox"/></p> <p>Asbestos <input type="checkbox"/></p> <p>Autoignitable <input type="checkbox"/></p> <p>Biological <input type="checkbox"/></p> <p>Carcinogen <input type="checkbox"/></p> <p>Chelating Agent <input type="checkbox"/></p> <p>Compressed Gas <input type="checkbox"/></p> <p>Dioxins <input type="checkbox"/></p> <p>Etiological <input type="checkbox"/></p> <p>Explosive <input type="checkbox"/></p> <p>Herbicide <input type="checkbox"/></p> <p>Infectious <input type="checkbox"/></p> <p>Insecticide <input type="checkbox"/></p> <p>Lab Pack <input type="checkbox"/></p> <p>Medical <input type="checkbox"/></p> <p>Metal Fines <input type="checkbox"/></p>	<p>Metal Powders <input type="checkbox"/></p> <p>Oxidizer <input type="checkbox"/></p> <p>Pathogen <input type="checkbox"/></p> <p>Pesticide <input type="checkbox"/></p> <p>Polymerizable <input type="checkbox"/></p> <p>Pyrophoric <input type="checkbox"/></p> <p>Radioactive <input type="checkbox"/></p> <p>Sanitary <input type="checkbox"/></p> <p>Sharps <input type="checkbox"/></p> <p>Shock Sensitive <input type="checkbox"/></p> <p>Spontaneously <input type="checkbox"/></p> <p>Combustible <input type="checkbox"/></p> <p>Sulfide <input type="checkbox"/></p> <p>Temperature <input type="checkbox"/></p> <p>Control Required <input type="checkbox"/></p> <p>Temperature <input type="checkbox"/></p> <p>Sensitive <input type="checkbox"/></p> <p>Water Reactive <input type="checkbox"/></p>	<p>16b.</p> <p>Used oil? (per 40 CFR 279) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>Used oil mixed with hazardous waste? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>Total Halogens (TX) concentration? &lt; 1000 PPM <input checked="" type="checkbox"/> &gt; 1000 PPM <input type="checkbox"/></p>	<p>16c.</p> <p>PCBs? (per 40 CFR 761) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>If yes, PCB concentration? &lt; 50 PPM <input type="checkbox"/> &gt; 50 PPM <input type="checkbox"/></p> <p>Greater than 50 PPM source? Yes <input type="checkbox"/> No <input type="checkbox"/></p>
<p>16e.</p> <p>Volatile Organic Compound &gt; 500 PPM? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>Subject to Subpart CC? (per 40 CFR 265.1080-1091) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>		<p>16f.</p> <p>Do any exclusions/exemptions apply? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>If yes, note the exclusion/exemption: _____</p>	
<p>16g.</p> <p>Generated from electroplating process? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>		<p>16d.</p> <p>Does this material require any special handling? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>If yes, explain: _____</p>	
<p>16h. Additional Comments: _____</p>			

17. Transporter: Heritage Transport  Other  (Complete below)

Transporter Name: Freehold Cartage?

Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Contact/Phone: \_\_\_\_\_

US EPA ID No. \_\_\_\_\_

18. Packaging:	Size:	19. Volume:
Bulk Liquid <input type="checkbox"/>	_____	1/Year
Bulk Solid <input type="checkbox"/>	_____	
Cu Yd Bag/Box <input type="checkbox"/>	_____	1/Shipent
Cylinder <input type="checkbox"/>	_____	
Drum <input checked="" type="checkbox"/>	85Gallon	
Tote (Metal) <input type="checkbox"/>	_____	
Tote (Poly) <input type="checkbox"/>	_____	

20. Check or List Attachments: Lab Data  MSDS  Cylinder Form  Packing List  Other (list)

21. CERTIFICATION Sign and date the certification.

I hereby certify that I am an authorized agent of the generator, and warrant on behalf of the generator, that all information submitted herein and attached documentation contains true, accurate and complete descriptions of this material. Any sample submitted for analysis is representative of the material being offered for approval. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I will notify Heritage Environmental Services, LLC or Von Roll America, Inc. of any changes in generator status, any information on this form, or any information on the attachments. This certification and signature apply to this form, to all attachments checked in section 20, and to the land disposal restriction notification (LDR) generated from this information.

Signature \_\_\_\_\_ Printed Name \_\_\_\_\_ Date \_\_\_\_\_ Company \_\_\_\_\_

22. COMPLETE THIS SECTION FOR NON-HAZARDOUS MATERIAL BEING MANAGED TO A NON-HAZARDOUS PROCESS (EXAMPLE: SUBTITLE D LANDFILL or MASS-BURN)

22a. Does this waste exhibit the chemical characterization of an oxidizer? Yes  No

22b. Is this waste a listed waste? (U, P, K, or F codes) Yes  No

22c. This waste is not characteristically hazardous for D001-D043 based on attached lab data (mark LD), attached MSDS (mark MSDS), or generator knowledge (mark GK).

TCLP VOLATILES		TCLP SEMI-VOLATILES	
D001 (Ignitability)	D018 Benzene	D023 o-Cresol	D038 Pyridine
D002 (Corrosivity)	D019 Carbon Tetrachloride	D024 m-Cresol	D041 2,4,5-Trichlorophenol
D003 (Reactivity)	D021 Chlorobenzene	D025 p-Cresol	D042 2,4,6-Trichlorophenol
TCLP METALS		HERBICIDES & PESTICIDES	
D004 Arsenic	D022 Chloroform	D026 Cresol	D012 Endrin
D005 Barium	D028 1,2-Dichloroethane	D027 1,4-Dichlorobenzene	D013 Lindane
D006 Cadmium	D029 1,1-Dichloroethylene	D030 2,4-Dinitrotoluene	D014 Methoxychlor
D007 Chromium	D035 Methyl Ethyl Ketone	D032 Hexachlorobenzene	D015 Toxaphene
D008 Lead	D039 Tetrachloroethylene	D033 Hexachlorobutadiene	D016 2,4-D
D009 Mercury	D040 Trichloroethylene	D034 Hexachloroethane	D017 2,4,5-TP (Silvex)
D010 Selenium	D043 Vinyl Chloride	D036 Nitrobenzene	D020 Chlordane
D011 Silver		D037 Pentachlorophenol	D031 Heptachlor



Common Name (same as Item #5): Caustic Cleaner

16. Check all that apply. Marking any of these may require additional documentation or follow-up information.

<p>16a.</p> <p>Aerosols <input type="checkbox"/></p> <p>Air Reactive <input type="checkbox"/></p> <p>Ammonia <input type="checkbox"/></p> <p>Asbestos <input type="checkbox"/></p> <p>Autofluorescent <input type="checkbox"/></p> <p>Biological <input type="checkbox"/></p> <p>Carcinogen <input type="checkbox"/></p> <p>Chelating Agent <input type="checkbox"/></p> <p>Compressed Gas <input type="checkbox"/></p> <p>Dioxins <input type="checkbox"/></p> <p>Etiological <input type="checkbox"/></p> <p>Explosive <input type="checkbox"/></p> <p>Herbicide <input type="checkbox"/></p> <p>Infectious <input type="checkbox"/></p> <p>Insecticide <input type="checkbox"/></p> <p>Lab Pack <input type="checkbox"/></p> <p>Medical <input type="checkbox"/></p> <p>Metal Fines <input type="checkbox"/></p>	<p>Metal Powders <input type="checkbox"/></p> <p>Oxidizer <input type="checkbox"/></p> <p>Pathogen <input type="checkbox"/></p> <p>Pesticide <input type="checkbox"/></p> <p>Polymerizable <input type="checkbox"/></p> <p>Pyrophoric <input type="checkbox"/></p> <p>Radioactive <input type="checkbox"/></p> <p>Sanitary <input type="checkbox"/></p> <p>Sharps <input type="checkbox"/></p> <p>Shock Sensitive <input type="checkbox"/></p> <p>Spontaneously Combustible <input type="checkbox"/></p> <p>Sulfide <input type="checkbox"/></p> <p>Temperature Control Required <input type="checkbox"/></p> <p>Temperature Sensitive <input type="checkbox"/></p> <p>Water Reactive <input type="checkbox"/></p>	<p>16b.</p> <p>Used oil? (per 40 CFR 279) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>Used oil mixed with hazardous waste? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>Total Halogens (TX) concentration? &lt; 1000 PPM <input checked="" type="checkbox"/> &gt; 1000 PPM <input type="checkbox"/></p>	<p>16c.</p> <p>PCBs? (per 40 CFR 761) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>If yes, PCB concentration? &lt; 50 PPM <input type="checkbox"/> &gt; 50 PPM <input type="checkbox"/></p> <p>Greater than 50 PPM source? Yes <input type="checkbox"/> No <input type="checkbox"/></p>
<p>16e.</p> <p>Volatile Organic Compound &gt; 500 PPM? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>Subject to Subpart CC? (per 40 CFR 265.1080-1091) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>		<p>16d.</p> <p>Does this material require any special handling? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>If yes, explain: _____</p>	
<p>16g.</p> <p>Generated from electroplating process? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>		<p>16f.</p> <p>Do any exclusions/exemptions apply? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>If yes, note the exclusion/exemption: _____</p>	
<p>16h. Additional Comments: _____</p>			

17. Transporter: Heritage Transport  Other  (Complete below)

Transporter Name: \_\_\_\_\_ Freehold Cartage?

Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Contact/Phone: \_\_\_\_\_

US EPA ID No. \_\_\_\_\_

18. Packaging: Bulk Liquid  Bulk Solid  Cu Yd Bag/Box  Cylinder  Drum  Tote (Metal)  Tote (Poly)

Size: \_\_\_\_\_

19. Volume: \_\_\_\_\_ 1/Year \_\_\_\_\_ 1/Shipments

20. Check or List Attachments: Lab Data  MSDS  Cylinder Form  Packing List  Other (list)

21. CERTIFICATION Sign and date the certification.

I hereby certify that I am an authorized agent of the generator, and warrant on behalf of the generator, that all information submitted herein and attached documentation contains true, accurate and complete descriptions of this material. Any sample submitted for analysis is representative of the material being offered for approval. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I will notify Heritage Environmental Services, LLC or Von Roll America, Inc. of any changes in generator status, any information on this form, or any information on the attachments. This certification and signature apply to this form, to all attachments checked in section 20, and to the land disposal restriction notification (LDR) generated from this information.

Signature: Anne E. Spaulding Printed Name: Anne E. Spaulding Date: 7/15/08 Company: City of Rochester

22. COMPLETE THIS SECTION FOR NON-HAZARDOUS MATERIAL BEING MANAGED TO A NON-HAZARDOUS PROCESS (EXAMPLE: SUBTITLE D LANDFILL or MASS-BURN)

22a. Does this waste exhibit the chemical characterization of an oxidizer? Yes  No

22b. Is this waste a listed waste? (U, P, K, or F codes) Yes  No

22c. This waste is not characteristically hazardous for D001-D043 based on attached lab data (mark LD), attached MSDS (mark MSDS), or generator knowledge (mark GK).

D001 (Ignitability)	TCLP VOLATILES		TCLP SEMI-VOLATILES	D039 Pyridine
D002 (Corrosivity)	D018 Benzene	D023 o-Cresol	D041 2,4,5-Trichlorophenol	
D003 (Reactivity)	D019 Carbon Tetrachloride	D024 m-Cresol	D042 2,4,6-Trichlorophenol	
TCLP METALS		D021 Chlorobenzene	D025 p-Cresol	HERBICIDES & PESTICIDES
D004 Arsenic	D022 Chloroform	D026 Cresol	D012 Endrin	
D005 Barium	D028 1,2-Dichloroethane	D027 1,4-Dichlorobenzene	D013 Lindane	
D006 Cadmium	D029 1,1-Dichloroethylene	D030 2,4-Dinitrotoluene	D014 Methoxychlor	
D007 Chromium	D035 Methyl Ethyl Ketone	D032 Hexachlorobenzene	D015 Toxaphene	
D008 Lead	D039 Tetrachloroethylene	D033 Hexachlorobutadiene	D016 2,4-D	
D009 Mercury	D040 Trichloroethylene	D034 Hexachloroethane	D017 2,4,5-TP (Silvex)	
D010 Selenium	D043 Vinyl Chloride	D036 Nitrobenzene	D020 Chlordane	
D011 Silver		D037 Pentachlorophenol	D031 Heptachlor	

# Upstate Laboratories, Inc.

## Analytical Report

Date: 12-Jun-08

CLIENT: Lu Engineers  
 Lab Order: U0805470  
 Project: 42001 Orchard/Whitney ERP  
 Lab ID: U0805470-005

Client Sample ID: Black Plastic Drum-01  
 Collection Date: 5/22/2008 2:45:00 PM

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>POLYCHLORINATED BIPHENYLS IN WASTEWATER</b>						
				<b>SW8082</b>	<b>(SW3510B)</b>	Analyst: EA
Aroclor 1016	ND	0.050		µg/L	1	5/30/2008
Aroclor 1221	ND	0.050		µg/L	1	5/30/2008
Aroclor 1232	ND	0.050		µg/L	1	5/30/2008
Aroclor 1242	ND	0.050		µg/L	1	5/30/2008
Aroclor 1248	ND	0.050		µg/L	1	5/30/2008
Aroclor 1254	ND	0.050		µg/L	1	5/30/2008
Aroclor 1260	ND	0.050		µg/L	1	5/30/2008
<b>ICP METALS, TOTALS</b>						
				<b>E200.7</b>	<b>(E200.7)</b>	Analyst: DRP
Arsenic*	ND	0.010		mg/L	1	6/3/2008 9:08:35 AM
Barium	1.3	0.30		mg/L	1	6/3/2008 9:08:35 AM
Cadmium	0.007	0.005		mg/L	1	6/3/2008 9:08:35 AM
Chromium	ND	0.050		mg/L	1	6/3/2008 9:08:35 AM
Lead	0.79	0.10		mg/L	1	6/3/2008 9:08:35 AM
Selenium*	ND	0.005		mg/L	1	6/3/2008 9:08:35 AM
Silver	ND	0.050		mg/L	1	6/3/2008 9:08:35 AM
<b>TOTAL MERCURY WATERS</b>						
Mercury	0.0002	0.0002		<b>E245.2</b>	<b>(E245.2)</b>	Analyst: DRP
				mg/L	1	5/29/2008 3:04:19 PM
<b>TCL-SEMIVOLATILE ORGANICS</b>						
				<b>SW8270C</b>	<b>(SW3510)</b>	Analyst: LD
(3+4)-Methylphenol	ND	50		µg/L	10	6/10/2008 11:37:00 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	10	6/10/2008 11:37:00 PM
1,2-Dichlorobenzene	ND	50		µg/L	10	6/10/2008 11:37:00 PM
1,3-Dichlorobenzene	ND	50		µg/L	10	6/10/2008 11:37:00 PM
1,4-Dichlorobenzene	ND	50		µg/L	10	6/10/2008 11:37:00 PM
2,3,4,6-Tetrachlorophenol	ND	100		µg/L	10	6/10/2008 11:37:00 PM
2,4,5-Trichlorophenol	ND	50		µg/L	10	6/10/2008 11:37:00 PM
2,4,6-Trichlorophenol	ND	50		µg/L	10	6/10/2008 11:37:00 PM
2,4-Dichlorophenol	ND	50		µg/L	10	6/10/2008 11:37:00 PM
2,4-Dimethylphenol	ND	50		µg/L	10	6/10/2008 11:37:00 PM
2,4-Dinitrophenol	ND	500		µg/L	10	6/10/2008 11:37:00 PM
2,4-Dinitrotoluene	ND	50		µg/L	10	6/10/2008 11:37:00 PM
2,6-Dinitrotoluene	ND	50		µg/L	10	6/10/2008 11:37:00 PM
2-Chloronaphthalene	ND	50		µg/L	10	6/10/2008 11:37:00 PM
2-Chlorophenol	ND	50		µg/L	10	6/10/2008 11:37:00 PM
2-Methylnaphthalene	ND	50		µg/L	10	6/10/2008 11:37:00 PM
2-Methylphenol	ND	50		µg/L	10	6/10/2008 11:37:00 PM
2-Nitroaniline	ND	500		µg/L	10	6/10/2008 11:37:00 PM
2-Nitrophenol	ND	50		µg/L	10	6/10/2008 11:37:00 PM

Approved By: PMH

Date: 6-12-08

Page 17 of 20

Qualifiers:

- \* Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

- \*\* Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

#22

**Upstate Laboratories, Inc.**

**Analytical Report**

Date: 12-Jun-08

CLIENT: Lu Engineers Client Sample ID: Black Plastic Drum-01  
 Lab Order: U0805470 Collection Date: 5/22/2008 2:45:00 PM  
 Project: 42001 Orchard/Whitney ERP  
 Lab ID: U0805470-005 Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>TCL-SEMIVOLATILE ORGANICS</b>				<b>SW8270C</b>	<b>(SW3510)</b>	<b>Analyst: LD</b>
3,3'-Dichlorobenzidine	ND	50		µg/L	10	6/10/2008 11:37:00 PM
3-Nitroaniline	ND	500		µg/L	10	6/10/2008 11:37:00 PM
4,6-Dinitro-2-methylphenol	ND	500		µg/L	10	6/10/2008 11:37:00 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	10	6/10/2008 11:37:00 PM
4-Chloro-3-methylphenol	ND	50		µg/L	10	6/10/2008 11:37:00 PM
4-Chloroaniline	ND	50		µg/L	10	6/10/2008 11:37:00 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	10	6/10/2008 11:37:00 PM
4-Nitroaniline	ND	500		µg/L	10	6/10/2008 11:37:00 PM
4-Nitrophenol	ND	500		µg/L	10	6/10/2008 11:37:00 PM
Acenaphthene	ND	50		µg/L	10	6/10/2008 11:37:00 PM
Acenaphthylene	ND	50		µg/L	10	6/10/2008 11:37:00 PM
Anthracene	ND	50		µg/L	10	6/10/2008 11:37:00 PM
Benz(a)anthracene	ND	50		µg/L	10	6/10/2008 11:37:00 PM
Benzo(a)pyrene	ND	50		µg/L	10	6/10/2008 11:37:00 PM
Benzo(b)fluoranthene	ND	50		µg/L	10	6/10/2008 11:37:00 PM
Benzo(g,h,i)perylene	ND	50		µg/L	10	6/10/2008 11:37:00 PM
Benzo(k)fluoranthene	ND	50		µg/L	10	6/10/2008 11:37:00 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	10	6/10/2008 11:37:00 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	10	6/10/2008 11:37:00 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	10	6/10/2008 11:37:00 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	10	6/10/2008 11:37:00 PM
Butyl benzyl phthalate	ND	50		µg/L	10	6/10/2008 11:37:00 PM
Carbazole	ND	50		µg/L	10	6/10/2008 11:37:00 PM
Chrysene	ND	50		µg/L	10	6/10/2008 11:37:00 PM
Di-n-butyl phthalate	ND	50		µg/L	10	6/10/2008 11:37:00 PM
Di-n-octyl phthalate	ND	50		µg/L	10	6/10/2008 11:37:00 PM
Dibenz(a,h)anthracene	ND	50		µg/L	10	6/10/2008 11:37:00 PM
Dibenzofuran	ND	50		µg/L	10	6/10/2008 11:37:00 PM
Diethyl phthalate	ND	50		µg/L	10	6/10/2008 11:37:00 PM
Dimethyl phthalate	ND	50		µg/L	10	6/10/2008 11:37:00 PM
Fluoranthene	ND	50		µg/L	10	6/10/2008 11:37:00 PM
Fluorene	ND	50		µg/L	10	6/10/2008 11:37:00 PM
Hexachlorobenzene	ND	50		µg/L	10	6/10/2008 11:37:00 PM
Hexachlorobutadiene	ND	50		µg/L	10	6/10/2008 11:37:00 PM
Hexachlorocyclopentadiene	ND	50		µg/L	10	6/10/2008 11:37:00 PM
Hexachloroethane	ND	50		µg/L	10	6/10/2008 11:37:00 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	10	6/10/2008 11:37:00 PM
Isophorone	ND	50		µg/L	10	6/10/2008 11:37:00 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	10	6/10/2008 11:37:00 PM

Approved By: PMH

Date: 6-12-08

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Qualifiers: \* Low Level  
 B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit

\*\* Value exceeds Maximum Contaminant Value  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits

#22

# Upstate Laboratories, Inc.

## Analytical Report

Date: 12-Jun-08

CLIENT: Lu Engineers  
 Lab Order: U0805470  
 Project: 42001 Orchard/Whitney ERP  
 Lab ID: U0805470-005

Client Sample ID: Black Plastic Drum-01  
 Collection Date: 5/22/2008 2:45:00 PM

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>TCL-SEMIVOLATILE ORGANICS</b>						
				SW8270C	(SW3510)	Analyst: LD
N-Nitrosodiphenylamine	ND	50		µg/L	10	6/10/2008 11:37:00 PM
Naphthalene	ND	50		µg/L	10	6/10/2008 11:37:00 PM
Nitrobenzene	ND	50		µg/L	10	6/10/2008 11:37:00 PM
Pentachlorophenol	ND	100		µg/L	10	6/10/2008 11:37:00 PM
Phenanthrene	ND	50		µg/L	10	6/10/2008 11:37:00 PM
Phenol	ND	50		µg/L	10	6/10/2008 11:37:00 PM
Pyrene	ND	50		µg/L	10	6/10/2008 11:37:00 PM

**NOTES:**

The reporting limits were raised due to matrix interference.

<b>TCL VOLATILE ORGANICS</b>						
				SW8260B		Analyst: MM
1,1,1-Trichloroethane	ND	1500		µg/L	500	5/30/2008 9:40:00 PM
1,1,2,2-Tetrachloroethane	ND	1500		µg/L	500	5/30/2008 9:40:00 PM
1,1,2-Trichloroethane	ND	1500		µg/L	500	5/30/2008 9:40:00 PM
1,1-Dichloroethane	ND	1500		µg/L	500	5/30/2008 9:40:00 PM
1,1-Dichloroethene	ND	1500		µg/L	500	5/30/2008 9:40:00 PM
1,2-Dichloroethane	ND	1500		µg/L	500	5/30/2008 9:40:00 PM
1,2-Dichloropropane	ND	1500		µg/L	500	5/30/2008 9:40:00 PM
2-Butanone	ND	5000		µg/L	500	5/30/2008 9:40:00 PM
2-Hexanone	ND	5000		µg/L	500	5/30/2008 9:40:00 PM
4-Methyl-2-pentanone	ND	5000		µg/L	500	5/30/2008 9:40:00 PM
Acetone	ND	5000		µg/L	500	5/30/2008 9:40:00 PM
Benzene	ND	1500		µg/L	500	5/30/2008 9:40:00 PM
Bromodichloromethane	ND	1500		µg/L	500	5/30/2008 9:40:00 PM
Bromoform	ND	1500		µg/L	500	5/30/2008 9:40:00 PM
Bromomethane	ND	1500		µg/L	500	5/30/2008 9:40:00 PM
Carbon disulfide	ND	1500		µg/L	500	5/30/2008 9:40:00 PM
Carbon tetrachloride	ND	1500		µg/L	500	5/30/2008 9:40:00 PM
Chlorobenzene	ND	1500		µg/L	500	5/30/2008 9:40:00 PM
Chloroethane	ND	1500		µg/L	500	5/30/2008 9:40:00 PM
Chloroform	ND	1500		µg/L	500	5/30/2008 9:40:00 PM
Chloromethane	ND	1500		µg/L	500	5/30/2008 9:40:00 PM
cis-1,2-Dichloroethene	ND	1500		µg/L	500	5/30/2008 9:40:00 PM
cis-1,3-Dichloropropene	ND	1500		µg/L	500	5/30/2008 9:40:00 PM
Dibromochloromethane	ND	1500		µg/L	500	5/30/2008 9:40:00 PM
Ethylbenzene	ND	1500		µg/L	500	5/30/2008 9:40:00 PM
m,p-Xylene	ND	1500		µg/L	500	5/30/2008 9:40:00 PM
Methylene chloride	ND	1500		µg/L	500	5/30/2008 9:40:00 PM
o-Xylene	ND	1500		µg/L	500	5/30/2008 9:40:00 PM

Approved By: PMH

Date: 6-12-08

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Qualifiers:

- \* Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

- \*\* Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

#22

# Upstate Laboratories, Inc.

## Analytical Report

Date: 12-Jun-08

CLIENT: Lu Engineers  
Lab Order: U0805470  
Project: 42001 Orchard/Whitney ERP  
Lab ID: U0805470-005

Client Sample ID: Black Plastic Drum-01  
Collection Date: 5/22/2008 2:45:00 PM

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>TCL VOLATILE ORGANICS</b>						
				<b>SW8260B</b>		Analyst: MM
Styrene	ND	1500		µg/L	500	5/30/2008 9:40:00 PM
Tetrachloroethene	ND	1500		µg/L	500	5/30/2008 9:40:00 PM
Toluene	ND	1500		µg/L	500	5/30/2008 9:40:00 PM
trans-1,2-Dichloroethene	ND	1500		µg/L	500	5/30/2008 9:40:00 PM
trans-1,3-Dichloropropene	ND	1500		µg/L	500	5/30/2008 9:40:00 PM
Trichloroethene	ND	1500		µg/L	500	5/30/2008 9:40:00 PM
Vinyl chloride	ND	1000		µg/L	500	5/30/2008 9:40:00 PM
<b>NOTES:</b>						
The reporting limits were raised due to matrix interference.						
Sample foamed during purging procedure.						
<b>IGNITABILITY</b>						
Ignitability	>60	0		°C	1	Analyst: NJS 5/28/2008
<b>LABORATORY HYDROGEN ION (PH)</b>						
pH	8.80	2.00		SU	1	Analyst: TC 5/29/2008 8:40:00 AM

Approved By: DMH

Date: 6-12-08

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Qualifiers:

- \* Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

- \*\* Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

#22

**HERITAGE ENVIRONMENTAL SERVICES, LLC  
WASTESTREAM SURVEY FORM**

(877)436-8778

[www.heritage-enviro.com](http://www.heritage-enviro.com)

Please review instructions before completing this form.



Heritage Use Only	
Quote #:	WS#:
Business Type: Repeatable: <input type="checkbox"/> Non-Repeatable: <input type="checkbox"/>	
Product Code:	Price:

Preferred TSD Location *:	Charlotte, NC <input type="checkbox"/>	Coolidge, AZ <input type="checkbox"/>	Indianapolis, IN <input type="checkbox"/>	Kansas City, MO <input type="checkbox"/>	Roachdale, IN: Hazardous Landfill <input type="checkbox"/> Non-Hazardous Landfill <input type="checkbox"/>	VRAWTI <input checked="" type="checkbox"/>
Service Location *:	Albany, NY <input checked="" type="checkbox"/>	Blaine, MN <input type="checkbox"/>	East Liverpool, OH <input type="checkbox"/>	Hammond, IN <input type="checkbox"/>	Lemont, IL <input type="checkbox"/>	
	Louisville, KY <input type="checkbox"/>	Signal Hill, CA <input type="checkbox"/>	St. Louis, MO <input type="checkbox"/>	Toledo, OH <input type="checkbox"/>	Tulsa, OK <input type="checkbox"/>	

**1. GENERATOR INFORMATION (Heritage# \_\_\_\_\_) \***

Generator Name 354 Whitney Street  
 Address 354 Whitney Street  
 City, State, Zip Rochester, NY 14606  
 Tech. Contact Name Anne Spaulding  
 Phone 585-428-7474 Fax \_\_\_\_\_  
 24 Hour Emergency Number \_\_\_\_\_  
 E-mail Address \_\_\_\_\_  
 US EPA ID Number NYR000158204  
 State ID Numbers \_\_\_\_\_  
 Status LQG  SQG  CESQG  Non-hazardous

**2. BILLING INFORMATION (Heritage# \_\_\_\_\_) \***

Customer Name Advanced Waste Solutions, Inc.  
 Address PO Box 904  
 City, State, Zip Lockport, NY 14095  
 Contact Name Mike Herlan  
 Phone (716)439-1221 Fax (716)439-1222  
 E-mail Address \_\_\_\_\_

**3. MANIFEST MAIL ADDRESS (If different from generator)**

Contact Name Anne Spaulding  
 Company Name City of Rochester  
 Address 30 Church St. - City Hall - Room 300-B  
 City, State, Zip Rochester, NY 14614

4. Generator SIC Code \_\_\_\_\_ If 3312, do you perform Coke Oven Byproduct Recovery Operations? Yes  No  If 28 \_\_, 2911, 3312, or 4953, what is the Total Annual Benzene (TAB) in Megagrams/year? \_\_\_\_\_

5. Common Name Proylene Glycol

6. Process Generating Waste Discarding of Material During Facility Demolition

7. DOT Description \* (if available)  
 USDOT Non-Regulated, Non-Hazardous Propylene Glycol

8. Identify US EPA waste codes N/A

9. If D001-D043, are any Underlying Hazardous Constituents (UHCs) present? Yes  No  NA  If yes, list in Section 13.

10. If F001-F005, or F039, list the F-listed hazardous constituents in Section 13.

11. US EPA Form Code \* W206 US EPA Source Code \* G15

12. Identify state waste codes \_\_\_\_\_

13. Waste Composition: Using specific chemical names and/or descriptions of waste composition, list all constituents present in the wastestream, and identify those that are underlying hazardous constituents (UHCs), or F001-F005/F039 hazardous constituents. Attach available analysis or MSDSs. Total composition must equal or exceed 100%.

Constituents	Range	Units	UHC?	F-Listed?
Propylene Glycol	100	%	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
			Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
			Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
			Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
			Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
			Yes <input type="checkbox"/>	Yes <input type="checkbox"/>

14. Color Clear/Amber Appearance Oily Odor Slight Oil

15. 15a. Chemical Properties 15b. Physical Properties at 70°F

Flash < 73 <input type="checkbox"/>	BTU/lb < 2,000 <input type="checkbox"/>	Solid <input type="checkbox"/>	Free Liquids? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Point (F°) < 100 <input type="checkbox"/>	2,000-6,000 <input checked="" type="checkbox"/>	Liquid <input checked="" type="checkbox"/>	Will waste dump out of drums? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
100-140 <input type="checkbox"/>	6,000-10,000 <input type="checkbox"/>	Sludge <input type="checkbox"/>	Is the waste pumpable? Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>
141-200 <input type="checkbox"/>	> 10,000 <input type="checkbox"/>	Semi-solid <input type="checkbox"/>	Debris?(List type in Section 13) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
> 200 <input checked="" type="checkbox"/>		Powder <input type="checkbox"/>	Is the waste dusty? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Gas <input type="checkbox"/>	
Boiling Point (F°) < 100 <input type="checkbox"/>	pH Range 5-9	% Solids 0%	% Liquids 100%
> 100 <input checked="" type="checkbox"/>		Note: * These sections will be completed by Heritage if left blank.	

Container # 23 (no analytical)

Common Name (same as Item #5): Propylene Glycol

16. Check all that apply. Marking any of these may require additional documentation or follow-up information.

<p>16a.</p> <p>Aerosols <input type="checkbox"/></p> <p>Air Reactive <input type="checkbox"/></p> <p>Ammonia <input type="checkbox"/></p> <p>Asbestos <input type="checkbox"/></p> <p>Autoignitable <input type="checkbox"/></p> <p>Biological <input type="checkbox"/></p> <p>Carcinogen <input type="checkbox"/></p> <p>Chelating Agent <input type="checkbox"/></p> <p>Compressed Gas <input type="checkbox"/></p> <p>Dioxins <input type="checkbox"/></p> <p>Etiological <input type="checkbox"/></p> <p>Explosive <input type="checkbox"/></p> <p>Herbicide <input type="checkbox"/></p> <p>Infectious <input type="checkbox"/></p> <p>Insecticide <input type="checkbox"/></p> <p>Lab Pack <input type="checkbox"/></p> <p>Medical <input type="checkbox"/></p> <p>Metal Fines <input type="checkbox"/></p>	<p>Metal Powders <input type="checkbox"/></p> <p>Oxidizer <input type="checkbox"/></p> <p>Pathogen <input type="checkbox"/></p> <p>Pesticide <input type="checkbox"/></p> <p>Polymerizable <input type="checkbox"/></p> <p>Pyrophoric <input type="checkbox"/></p> <p>Radioactive <input type="checkbox"/></p> <p>Sanitary <input type="checkbox"/></p> <p>Sharps <input type="checkbox"/></p> <p>Shock Sensitive <input type="checkbox"/></p> <p>Spontaneously <input type="checkbox"/></p> <p>Combustible <input type="checkbox"/></p> <p>Sulfide <input type="checkbox"/></p> <p>Temperature <input type="checkbox"/></p> <p>Control Required <input type="checkbox"/></p> <p>Temperature <input type="checkbox"/></p> <p>Sensitive <input type="checkbox"/></p> <p>Water Reactive <input type="checkbox"/></p>	<p>16b.</p> <p>Used oil? (per 40 CFR 279) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>Used oil mixed with hazardous waste? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>Total Halogens (TX) concentration? &lt; 1000 PPM <input checked="" type="checkbox"/> &gt; 1000 PPM <input type="checkbox"/></p>	<p>16c.</p> <p>PCBs? (per 40 CFR 761) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>If yes, PCB concentration? &lt; 50 PPM <input type="checkbox"/> &gt; 50 PPM <input type="checkbox"/></p> <p>Greater than 50 PPM source? Yes <input type="checkbox"/> No <input type="checkbox"/></p>
<p>16d.</p> <p>Does this material require any special handling? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>If yes, explain: _____</p>			
<p>16e.</p> <p>Volatile Organic Compound &gt; 500 PPM? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>Subject to Subpart CC? (per 40 CFR 265.1080-1091) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>		<p>16f.</p> <p>Do any exclusions/exemptions apply? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>If yes, note the exclusion/exemption: _____</p>	
<p>16g.</p> <p>Generated from electroplating process? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>		<p>16h. Additional Comments: _____</p>	

17. Transporter: Heritage Transport <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> (Complete below)	18. Packaging:	Size:	19. Volume:
	<p>Transporter Name: Freehold Cartage?</p> <p>Address: _____</p> <p>City, State, Zip: _____</p> <p>Contact/Phone: _____</p> <p>US EPA ID No.: _____</p>	<p>Bulk Liquid <input type="checkbox"/></p> <p>Bulk Solid <input type="checkbox"/></p> <p>Cu Yd Bag/Box <input type="checkbox"/></p> <p>Cylinder <input type="checkbox"/></p> <p>Drum <input checked="" type="checkbox"/></p> <p>Tote (Metal) <input type="checkbox"/></p> <p>Tote (Poly) <input type="checkbox"/></p>	<p>_____</p> <p>85Gallon</p> <p>_____</p>

20. Check or List Attachments: Lab Data  MSDS  Cylinder Form  Packing List  Other (list)

21. CERTIFICATION Sign and date the certification.

I hereby certify that I am an authorized agent of the generator, and warrant on behalf of the generator, that all information submitted herein and attached documentation contains true, accurate and complete descriptions of this material. Any sample submitted for analysis is representative of the material being offered for approval. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I will notify Heritage Environmental Services, LLC or Von Roll America, Inc. of any changes in generator status, any information on this form, or any information on the attachments. This certification and signature apply to this form, to all attachments checked in section 20, and to the land disposal restriction notification (LDR) generated from this information.

Signature \_\_\_\_\_ Printed Name \_\_\_\_\_ Date \_\_\_\_\_ Company \_\_\_\_\_

22. COMPLETE THIS SECTION FOR NON-HAZARDOUS MATERIAL BEING MANAGED TO A NON-HAZARDOUS PROCESS (EXAMPLE: SUBTITLE D LANDFILL or MASS-BURN)

22a. Does this waste exhibit the chemical characterization of an oxidizer? Yes  No

22b. Is this waste a listed waste? (U, P, K, or F codes) Yes  No

22c. This waste is not characteristically hazardous for D001-D043 based on attached lab data (mark LD), attached MSDS (mark MSDS), or generator knowledge (mark GK).

D001 (Ignitability)	TCLP VOLATILES		TCLP SEMI-VOLATILES	D038 Pyridine
D002 (Corrosivity)	D018 Benzene	D023 o-Cresol	D041 2,4,5-Trichlorophenol	
D003 (Reactivity)	D019 Carbon Tetrachloride	D024 m-Cresol	D042 2,4,6-Trichlorophenol	
TCLP METALS		D025 p-Cresol	HERBICIDES & PESTICIDES	
D004 Arsenic	D021 Chlorobenzene	D026 Cresol	D012 Endrin	
D005 Barium	D022 Chloroform	D027 1,4-Dichlorobenzene	D013 Lindane	
D006 Cadmium	D028 1,2-Dichloroethane	D030 2,4-Dinitrotoluene	D014 Methoxychlor	
D007 Chromium	D029 1,1-Dichloroethylene	D032 Hexachlorobenzene	D015 Toxaphene	
D008 Lead	D035 Methyl Ethyl Ketone	D033 Hexachlorobutadiene	D016 2,4-D	
D009 Mercury	D039 Tetrachloroethylene	D034 Hexachloroethane	D017 2,4,5-TP(Silvex)	
D010 Selenium	D040 Trichloroethylene	D036 Nitrobenzene	D020 Chlordane	
D011 Silver	D043 Vinyl Chloride	D037 Pentachlorophenol	D031 Heptachlor	

Common Name (same as Item #5): Propylene Glycol

16. Check all that apply. Marking any of these may require additional documentation or follow-up information.

<p>16a.</p> <p>Aerosols <input type="checkbox"/></p> <p>Air Reactive <input type="checkbox"/></p> <p>Ammonia <input type="checkbox"/></p> <p>Asbestos <input type="checkbox"/></p> <p>Autoignitable <input type="checkbox"/></p> <p>Biological <input type="checkbox"/></p> <p>Carcinogen <input type="checkbox"/></p> <p>Chelating Agent <input type="checkbox"/></p> <p>Compressed Gas <input type="checkbox"/></p> <p>Dioxins <input type="checkbox"/></p> <p>Etiological <input type="checkbox"/></p> <p>Explosive <input type="checkbox"/></p> <p>Herbicide <input type="checkbox"/></p> <p>Infectious <input type="checkbox"/></p> <p>Insecticide <input type="checkbox"/></p> <p>Lab Pack <input type="checkbox"/></p> <p>Medical <input type="checkbox"/></p> <p>Metal Fines <input type="checkbox"/></p>	<p>Metal Powders <input type="checkbox"/></p> <p>Oxidizer <input type="checkbox"/></p> <p>Pathogen <input type="checkbox"/></p> <p>Pesticide <input type="checkbox"/></p> <p>Polymertizable <input type="checkbox"/></p> <p>Pyrophoric <input type="checkbox"/></p> <p>Radioactive <input type="checkbox"/></p> <p>Sanitary <input type="checkbox"/></p> <p>Sharps <input type="checkbox"/></p> <p>Shock Sensitive <input type="checkbox"/></p> <p>Spontaneously <input type="checkbox"/></p> <p>Combustible <input type="checkbox"/></p> <p>Sulfide <input type="checkbox"/></p> <p>Temperature <input type="checkbox"/></p> <p>Control Required <input type="checkbox"/></p> <p>Temperature <input type="checkbox"/></p> <p>Sensitive <input type="checkbox"/></p> <p>Water Reactive <input type="checkbox"/></p>	<p>16b.</p> <p>Used oil? (per 40 CFR 279) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>Used oil mixed with hazardous waste? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>Total Halogens (TX) concentration? &lt; 1000 PPM <input checked="" type="checkbox"/> &gt; 1000 PPM <input type="checkbox"/></p>	<p>16c.</p> <p>PCBs? (per 40 CFR 761) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>If yes, PCB concentration? &lt; 50 PPM <input type="checkbox"/> &gt; 50 PPM <input type="checkbox"/></p> <p>Greater than 50 PPM source? Yes <input type="checkbox"/> No <input type="checkbox"/></p>
<p>16e.</p> <p>Volatile Organic Compound &gt; 500 PPM? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>Subject to Subpart CC? (per 40 CFR 265.1080-1091) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>		<p>16f.</p> <p>Do any exclusions/exemptions apply? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>If yes, note the exclusion/exemption: _____</p>	
<p>16g.</p> <p>Generated from electroplating process? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>		<p>16d.</p> <p>Does this material require any special handling? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>If yes, explain: _____</p>	
<p>16h. Additional Comments: _____</p>			

<p>17. Transporter: Heritage Transport <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> (Complete below)</p> <p>Transporter Name _____</p> <p>Address _____</p> <p>City, State, Zip _____</p> <p>Contact/Phone _____</p> <p>US EPA ID No. _____</p>	<p>18. Packaging:</p> <p>Bulk Liquid <input type="checkbox"/></p> <p>Bulk Solid <input type="checkbox"/></p> <p>Cu Yd Bag/Box <input type="checkbox"/></p> <p>Cylinder <input type="checkbox"/></p> <p>Drum <input checked="" type="checkbox"/></p> <p>Tote (Metal) <input type="checkbox"/></p> <p>Tote (Poly) <input type="checkbox"/></p>	<p>Size:</p> <p>_____</p> <p>_____</p> <p>85Gallon</p> <p>_____</p>	<p>19. Volume:</p> <p>1/Year</p> <p>1/Shipment</p>
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------	----------------------------------------------------

20. Check or List Attachments: Lab Data  MSDS  Cylinder Form  Packing List  Other (list)

21. CERTIFICATION Sign and date the certification.

I hereby certify that I am an authorized agent of the generator, and warrant on behalf of the generator, that all information submitted herein and attached documentation contains true, accurate and complete descriptions of this material. Any sample submitted for analysis is representative of the material being offered for approval. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I will notify Heritage Environmental Services, LLC or Von Roll America, Inc. of any changes in generator status, any information on this form, or any information on the attachments. This certification and signature apply to this form, to all attachments checked in section 20, and to the land disposal restriction notification (LDR) generated from this information.

Signature: Anne E. Spaulding Printed Name: Anne E. Spaulding Date: 7/15/08 Company: City of Rochester

22. COMPLETE THIS SECTION FOR NON-HAZARDOUS MATERIAL BEING MANAGED TO A NON-HAZARDOUS PROCESS (EXAMPLE: SUBTITLE D LANDFILL or MASS-BURN)

22a. Does this waste exhibit the chemical characterization of an oxidizer? Yes  No

22b. Is this waste a listed waste? (U, P, K, or F codes) Yes  No

22c. This waste is not characteristically hazardous for D001-D043 based on attached lab data (mark LD), attached MSDS (mark MSDS), or generator knowledge (mark GK).

D001 (Ignitability)	TCLP VOLATILES		TCLP SEMI-VOLATILES	D038 Pyridine
D002 (Corrosivity)	D018 Benzene	D023 o-Cresol	D041 2,4,5-Trichlorophenol	
D003 (Reactivity)	D019 Carbon Tetrachloride	D024 m-Cresol	D042 2,4,6-Trichlorophenol	
TCLP METALS		D021 Chlorobenzene	HERBICIDES & PESTICIDES	
D004 Arsenic	D022 Chloroform	D025 p-Cresol	D012 Endrin	
D005 Barium	D028 1,2-Dichloroethane	D026 Cresol	D013 Lindane	
D008 Cadmium	D029 1,1-Dichloroethylene	D030 2,4-Dinitrotoluene	D014 Methoxychlor	
D007 Chromium	D035 Methyl Ethyl Ketone	D032 Hexachlorobenzene	D015 Toxaphene	
D008 Lead	D039 Tetrachloroethylene	D033 Hexachlorobutadiene	D016 2,4-D	
D009 Mercury	D040 Trichloroethylene	D034 Hexachloroethane	D017 2,4,5-TP (Silvex)	
D010 Selenium	D043 Vinyl Chloride	D036 Nitrobenzene	D020 Chlordane	
D011 Silver		D037 Pentachlorophenol	D031 Heptachlor	



**METALS AND Pb CONTAMINATION HAZARDOUS DISPOSAL**

**3/3/2009**



February 23, 2009

Mr. Greg L. Andrus, CHMM  
*Lu Engineers*  
2230 Penfield Road  
Penfield, NY 14526

**RE: CITY OF ROCHESTER; 354 WHITNEY ST. MANIFEST**


Dear Greg,

Enclosed please find a revised manifest for the drum of petroleum sludge scheduled to be picked up by New York Environmental Technologies, Inc. (NYETECH) on March 3<sup>rd</sup>. Please have this manifest and waste profile signed and return to me no later than March 2<sup>nd</sup>. Our mailing address is PO Box 24398, Rochester, NY 14624.

Thank you in advance for your assistance. If you have any questions, feel free to contact me at 585.436.5660.

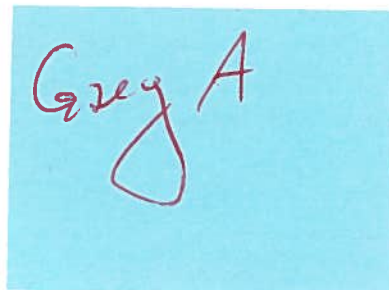
Very truly yours,

**NEW YORK ENVIRONMENTAL TECHNOLOGIES, INC.**

  
Amy L. Minster  
Environmental Coordinator

/alm

Enclosures



RECEIVED  
FEB 24 2009  
LU ENGINEERS



**Cycle Chem, Inc.**  
 217 South 1st St.  
 Elizabeth, NJ 07206  
 Phone: (908) 365-8800  
 Fax: (908) 355-0592

550 Industrial Dr.  
 Lewisberry, PA 17338  
 Phone: (717) 838-4700  
 Fax: (717) 838-3301

**General Chemical Corporation**  
 133-138 Leland St. Framingham, MA 01701  
 Phone: (508) 872-5000 Fax: (508) 876-5271

Material Profile Sheet  
 GenCode/Gen#: stream (if applicable)  
 Product Code:

**A. GENERATOR INFORMATION**

EPA ID # NYR000158204

GENERATOR NAME: CITY OF ROCHESTER DEPT. OF  
 MAILING ADDRESS: 20 CHURCH ST. RM 300B  
 ROCHESTER NY 14614

GENERATOR CONTACT: ANN SPAULDING  
 GENERATOR PHONE #: (585) 428-7474  
 GENERATOR FAX: (585) 428-8010  
 SITE ADDRESS: 353 WHITNEY ST.  
 ROCHESTER NY 14606

**BILLING COMPANY** NEW YORK ENVIRONMENTAL TECHNOLOGIES INC  
**BILLING ADDRESS** PO BOX 24398  
 ROCHESTER NY 14611

**BILLING CONTACT** JIM LLOYD  
**BILLING PHONE #** (585) 436-5660 FAX (585) 436-0139

**NAME OF WASTE / SEGREGATION OF FLOOR DRAIN SLUDGE FROM TEST PIT:**  
**PROCESS GENERATING WASTE:** PETROLEUM SLUDGE HAZ FOR METALS

**B. PHYSICAL CHARACTERISTICS OF WASTE (AT 70° F)**

Color / Odor / Physical Description: DARK / SLIGHT / SLUDGE

Wastewater:  Wastewater  Non-wastewater

Specific Gravity: \_\_\_\_\_

Physical State:  Single Phase  Solid  Gas/Aerosol  
 Bi-Phased  Liquid  Cat. Pack  
 Multi-Layered  Semi-Solid  
 Powder  Sludge

Flash Point:  Flash Point < 74 F  Flash Point 74-100 F  Flash Point 101-140 F  Flash Point 141-200 F  Flash Point > 200 F  Exact Flash Point  
 Open Cup  Closed Cup

Ignitable Solid?  Yes  No

pH:  < 2.0  2.01-5.0  5.01-9.0  9.01-12.0  > 12.5  Exact pH

**D. REGULATORY INFORMATION**

Is it USEPA Haz Waste?  Yes  No

USEPA Haz Codes: D004 D005 D006 D007 D008 D009 D010 D011

EPA Sub Categories: \_\_\_\_\_

Is it STATE waste?  Yes  No

STATE HAZ Codes: \_\_\_\_\_

DOT Hazardous Material?  Yes  No

Proper Shipping Name: RO HAZARDOUS WASTE LIQUID NOS 1/EA01

Hazard Class: 2 UN/NA #: NA3077 P, S, III

WG: 10 LBS (0004) ERG #: 171

**C. CHEMICAL COMPOSITION**

ATTACHMENTS:  MSDS Attached  Supplemental Analysis  Additional Information  ODR Attachment

Chemical Composition	Percent	Minimum	Maximum
PETROLEUM SLUDGE	100%		

**E. SHIPPING INFORMATION**

Shipment Method:  Bulk Liquid Tanker  Parcel  Dry Bulk  Other

Anticipated Volume: \_\_\_\_\_ Pails

Quantity: \_\_\_\_\_ Price: \_\_\_\_\_ / Unit:

**F. SPECIAL HANDLING CONSIDERATIONS**

Radioactive  PA RW SOG  No Land Filling  
 Etiology/Alcohol Waste  DRMS/DRMO Waste  Inert Only  
 Fuming  CERCLA Waste  Recycle Only  
 Etherolics  Asbestos  Other

**G. TRANSPORTER ARRANGEMENTS**

CCI/CCC Provides Transportation  Other  
 Customer Delivers to CCI/CCC  
 Customer Delivers to End Facility via CCI/CCC

Indicate if waste contains any of the following:

	Non-Hlg.	ALL STATES	ALASKA
PCBs	<input type="checkbox"/>	<input type="checkbox"/> 50 PPM	
Cyanides	<input type="checkbox"/>	<input type="checkbox"/> 250 PPM	
Phenolics	<input type="checkbox"/>	<input type="checkbox"/> 50 PPM	
Sulfides	<input type="checkbox"/>	<input type="checkbox"/> 100 PPM	
VOCs	<input type="checkbox"/>	<input type="checkbox"/> 100 PPM	
Chlorides	<input type="checkbox"/>	<input type="checkbox"/> 1000 PPM	

**H. OTHER HAZARDOUS CHARACTERISTICS**

RCRA REACTIVE  ETHERICAL  EXPLOSIVE/SHOCK SENSITIVE  
 WATER REACTIVE  TSCA REG.  NONE OF THE ABOVE  
 RADIOACTIVE  SENSITIVE MAT.  NONE OF THE ABOVE  
 SUBJECT TO SUPPORT FF BENZENE REG.  PYROPHORIC

1. Is this waste characteristically hazardous for metals or organics (EPA Waste Code D004 through D043)?  Yes  No  
 (YES, please list the constituents and concentrations in section C.)

2. Does this waste contain underlying hazardous constituents as defined in 40 CFR 266 Part 2, Section 1 at concentrations exceeding the UTS treatment standards?  Yes  No  
 (YES, please list the constituents and concentrations in section C.)

GENERATOR CERTIFICATION: I hereby certify that all information submitted in this and all other attached documents is complete, contains true and accurate descriptions and is representative of the waste material and that all relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I, CCI/CCC, accept, after having taken the delivery of the waste, that any wastes does not conform to the characteristics or descriptions contained in this MPS that CCI/CCC shall provide notice to Generator and coordinate the return, if applicable of the non-conforming waste to the point of origin as set forth in this manifest or to such other locations designated in writing by the Generator. Generator agrees to reimburse CCI/CCC for all handling, packaging, creation and transportation costs or charges, damages to equipment and costs associated with lost time incurred by CCI/CCC during the receipt, handling, temporary storage and return of such non-conforming waste to the point of origin or to such other location designated by the Generator. I, hereby authorized CCI/CCC to amend and/or correct any information on the MPS with the full understanding that if any amendment or correction is performed, I will be contacted or such to leave my approval.

Authorized Signature: *Ann Spaulding* Title: *Sr. Env. Specialist* Date: *2/16/09*

CCI/CCC APPROVAL: \_\_\_\_\_

Generator Code: \_\_\_\_\_ Tech Initials: \_\_\_\_\_ Date: \_\_\_\_\_ Management Initials: \_\_\_\_\_ Date: \_\_\_\_\_

Removal Waste Form Code: \_\_\_\_\_



Recycling Treatment & Disposal of Hazardous Waste  
January 5, 2009

Amy Minister  
NYC/TECH  
PO BOX 24399  
ROCHESTER, NY 14624

Re: Hazardous Waste Disposal/Pricing for City of Rochester Dept. of 354 Whitney Street Rochester  
NY 14604 (Generator # 710039)

Dear Amy Minister:

As directed by 40 CFR 261.12(b) and Cycle Chem, Inc.'s hazardous waste permit, Cycle Chem, Inc. hereby informs you that the waste streams referenced below have been granted pre-acceptance approval.

Cycle Chem, Inc. is permitted, is capable, has capacity and is willing to accept your waste, provided it conforms to the Material Profile Sheet upon which the pre-acceptance approval was granted.

This document is important. Please file it for safekeeping. A copy is also held at the Cycle Chem, Inc. facility.

**PETROLEUM SLUDGE HAZ FOR METALS**  
Pricing: [redacted] per 55 G DRUM

Seq. A Product-SMM

Terms: > 5% HALOGENS; > 5K BTU/LB; NO DEBRIS; < 15% WATER; < 500 LBS/55 DRUM; PH: 2.1 - 12.4; MONOLITHIC SOLIDS, SAND, STONE, DIRT, AND METAL OBJECTS; SUBJECT TO SURCHARGE. HIGH BTU SLUDGE/SOLID MATERIAL WHICH PASS THE BROOM STICK TEST, ARE SMM (ONE IS ABLE TO PUSH A BROOM STICK THROUGH THE PRODUCT AND HIT THE BOTTOM OF THE DRUM). IF A BROOM STICK IS UNABLE TO PASS THROUGH THE PRODUCT IT IS SSM. D001, 3-6, 10, 11, 15, 19, 21-23, 26, 27, 31, 35, 39, 40, F001-5 (D002, W/H, CODES)

Shipping Name: RO. HAZARDOUS WASTE, LIQUID, N.O.S. (LEAD)  
Class: 9 ID No. NA3082.79 III RO.  
USHA Haz Codes: D004, D005, D007, D008, D009, D010, D011

Ultimate Treatment: FUEL BLENDING  
Final Facility: CBOCYCLE, LLC

If you have any questions regarding this proposal, please contact your Technical Representative, Todd Meyer, at (717) 938-4700.

This quote shall be deemed made in the State of Pennsylvania and shall be interpreted under the laws of said State and the customer recognizes and consents to the jurisdiction over him/her/it of the courts of the State of Pennsylvania. This quote supersedes all prior communication and contains the entire agreement between the parties including all expressed or implied warranties. No alterations or modifications of the quote shall be valid unless in writing and signed by both parties to this quote. Payment terms are net 30 days.

Acceptance of Proposal - I have received and agree to the CCI terms and conditions. The rates, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified.

New Jersey TSDP:  
217 South First Street  
Elizabeth, NJ 07206  
908-355-5800  
FAX: 908-355-0562

Corporate Office:  
201 South First Street  
Elizabeth, NJ 07206  
908-355-5800  
FAX: 908-355-2495

Pennsylvania TSDP:  
350 Industrial Drive  
Lewistown, PA 17359  
717-938-4700  
Fax: 717-938-3301

Massachusetts TSDP:  
General Chemical  
138 Island Street  
Framingham, MA 01702  
508-872-5000  
FAX: 508-875-5271

www.cyclechem.com

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Recycled Paper

P.001 P199383301

CYCLOCHEM INC

12-17-09-07-2



Form Approved OMB No. 2038-0038

Print or type (Form designed for use on 8 1/2" (216 mm) paper)

**UNIFORM HAZARDOUS WASTE MANIFEST** 1. Generator ID Number: **N.Y.R.000158204** 2. Page 1 of 1 3. Emergency Response Phone No: **585.436.5660** 4. Manifest Tracking Number: **004470342 JJK**

5. Generator Name and Location Address: **CITY OF ROCHESTER, 30 CHURCH ST., RG 300 B, ROCHESTER NY 14614** 6. Generator Site Address (if different than mailing address): **354 WHITNEY ST., ROCHESTER, NY 14606**

7. Generator's Phone: **585 426-7474**

8. Transporter's Company Name: **NEW YORK ENVIRONMENTAL TECHNOLOGIES** U.S. EPA ID Number: **NYD986983229**

9. Transporter's Company Name: U.S. EPA ID Number:

10. Designated Facility Name and Site Address: **CIRCLE CHEM., INC., 850 INDUSTRIAL DRIVE, LEWISBERY PA 17309** U.S. EPA ID Number: **PA0067098822**

11. Facility's Phone: **717 938-4700**

No.	U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Off-Highway	13. Waste Codes		
		No.	Type			RCRA	DOT	Other
1	<b>9, NA3082, III</b>	<b>0 0 1</b>	<b>D M</b>	<b>0 5 0</b>	<b>G</b>	<b>RC06</b>	<b>DOT05</b>	<b>DOT05</b>
2						<b>RC06</b>	<b>DOT07</b>	<b>DOT07</b>
3								
4								

14. Facility's Name and Address (if different from 10): **354 WHITNEY ST. (RGF 171) (0000)** R5504 / POF 34354

15. GENERATOR CERTIFICATION: I hereby declare that the contents of this manifest are true and accurately described above by the proper shipping name, hazard class, packaging, and labeling specifications, and are in full compliance with all applicable federal, state, and local laws, regulations, and orders. I certify that the waste information submitted is in full compliance with 40 CFR 263.27(a) (1) (i) (ii) and (iii) and (b) (1) and (2) and (3) and (4) and (5) and (6) and (7) and (8) and (9) and (10) and (11) and (12) and (13) and (14) and (15) and (16) and (17) and (18) and (19) and (20) and (21) and (22) and (23) and (24) and (25) and (26) and (27) and (28) and (29) and (30) and (31) and (32) and (33) and (34) and (35) and (36) and (37) and (38) and (39) and (40) and (41) and (42) and (43) and (44) and (45) and (46) and (47) and (48) and (49) and (50) and (51) and (52) and (53) and (54) and (55) and (56) and (57) and (58) and (59) and (60) and (61) and (62) and (63) and (64) and (65) and (66) and (67) and (68) and (69) and (70) and (71) and (72) and (73) and (74) and (75) and (76) and (77) and (78) and (79) and (80) and (81) and (82) and (83) and (84) and (85) and (86) and (87) and (88) and (89) and (90) and (91) and (92) and (93) and (94) and (95) and (96) and (97) and (98) and (99) and (100).

16. Generator's Signature, Printed Name, Title, Date, and State:

17. Transporter's Signature, Printed Name, Title, Date, and State:

18. Designation:  Air  Land  Marine  Partial Receptor  Full Receptor

19. Designated Facility Name and Address (if different from 10): U.S. EPA ID Number:

20. Designated Facility Owner or Operator: Signature, Date, and State:

add 0004

GENERATOR INTL TRANSPORTER DESIGNATED FACILITY

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>NYR000158204</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>800 807-7455</b>	4. Manifest Tracking Number <b>004470362 JJK</b>					
5. Generator's Name and Mailing Address <b>CITY OF ROCHESTER 30 CHURCH ST., ROOM 300B ROCHESTER NY 14614</b>		Att: <b>ANNE SPAULDING</b>		Generator's Site Address (if different than mailing address) <b>CITY OF ROCHESTER 354 WHITNEY ST. ROCHESTER NY 14608</b>						
Generator's Phone: <b>585 428-7474</b>		6. Transporter 1 Company Name <b>NEW YORK ENVIRONMENTAL TECHNOLOGIES, INC.</b>		U.S. EPA ID Number <b>NYD986983229</b>						
7. Transporter 2 Company Name		U.S. EPA ID Number								
8. Designated Facility Name and Site Address <b>CYCLE CHEM, INC. 550 INDUSTRIAL DR. LEWISBERRY PA 17339</b>		U.S. EPA ID Number <b>PAD067098822</b>								
Facility's Phone: <b>717 938-4700</b>										
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	X	1. <b>RQ NA3082, HAZARDOUS WASTE LIQUID, NOS (LEAD), 9, PGIII (RQ: D006, D007, D008)</b>		<b>0 0 1 DF</b>		<b>00050</b>	<b>G</b>	<b>D006 D005 D008</b>	<b>D007</b>	
		2.								
		3.								
		4.								
14. Special Handling Instructions and Additional Information <b>a. 710039-SMM Job #R5504 / PO# 34354</b>										
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.										
Generator's/Offoror's Printed/Typed Name <b>Anne Spaulding</b>				Signature <i>Anne Spaulding</i>				Month Day Year		
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____									
	17. Transporter Acknowledgment of Receipt of Materials									
TRANSPORTER	Transporter 1 Printed/Typed Name				Signature				Month Day Year	
	Transporter 2 Printed/Typed Name				Signature				Month Day Year	
DESIGNATED FACILITY	18. Discrepancy									
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection									
	Manifest Reference Number:									
	18b. Alternate Facility (or Generator)				U.S. EPA ID Number					
Facility's Phone:										
18c. Signature of Alternate Facility (or Generator)								Month Day Year		
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)										
1.		2.		3.		4.				
20. Designated Facility Owner or Operator. Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a										
Printed/Typed Name				Signature				Month Day Year		



### Cycle Chem, Inc.

217 South 1st St.  
Elizabeth, NJ 07206  
Phone: (908) 355-5800  
Fax: (908) 355-0562

550 Industrial Dr.  
Lewisberry, PA 17339  
Phone: (717) 938-4700  
Fax: (717) 938-3301

www.cyclechem.com

### General Chemical Corporation

133-138 Leland St., Framingham, MA 01701  
Phone: (508) 872-5000 Fax: (508) 875-5271

### Material Profile Sheet

GenCode/Gen #: Stream:(if applicable)

Z10039

Process/Product Code:

#### A. GENERATOR INFORMATION

EPA ID # NYR000158204

GENERATOR NAME CITY OF ROCHESTER DEPT. OF  
MAILING ADDRESS 30 CHURCH ST. RM 300B  
ROCHESTER NY 14614  
GENERATOR CONTACT ANN SPAULDING  
GENERATOR PHONE # (585)428-7474  
GENERATOR FAX (585)428-6010  
SITE ADDRESS 354 WHITNEY ST.  
ROCHESTER NY 14608

BILLING COMPANY NEW YORK ENVIRONMENTAL TECHNOLOGIES, INC  
BILLING ADDRESS PO BOX 24398  
ROCHESTER NY 14611  
BILLING CONTACT JIM LLOYD  
BILLING PHONE # (585)436-5660 FAX (585)436-6139

NAME OF WASTE: SEGREGATION OF FLOOR DRAIN SLUDGE FROM TEST PITS

PROCESS GENERATING WASTE: PETROLEUM SLUDGE HAZ FOR METALS

#### B. PHYSICAL CHARACTERISTICS OF WASTE (AT 70° F)

Color / Odor / Physical Description: DARK / SLIGHT / SLUDGE  
Wastewater:  Wastewater  Non-wastewater  
Specific Gravity: \_\_\_\_\_  
Physical State:  Single Phase  Solid  Gas/Aerosol  
 Bi-Layered  Liquid  Lab Pack  
 Multi-Layered  Semi-Solid  
 Powder  Sludge  
Flash Point:  Flash Point <74 F  Flash Point 101-140 F  Flash Point >200 F  Exact Flash Point:  
 Flash Point 74-100 F  Flash Point 141-200 F  No Flash Point  
 Open cup  Closed cup  
Ignitable Solid?  Yes  No  
pH:  <2.0  2.01-5.0  5.01-9.0  9.01-12.49  >12.5  Exact pH

Liquid/Solid/Sludge  
% Liquid \_\_\_\_\_  
% Suspended Solids \_\_\_\_\_  
% Sludge 100%  
% Solid \_\_\_\_\_  
Dumpable?  Yes  No  
Pumpable?  Yes  No  
Pourable?  Yes  No

#### D. REGULATORY INFORMATION

Is it USEPA Haz waste?  Yes  No  
USEPA Haz Codes: D005 D007 D008 D009  
EPA Sub Categories: \_\_\_\_\_  
Is it STATE waste?  Yes  No  
STATE Haz Codes: \_\_\_\_\_  
DOT Hazardous Material?  Yes  No  
Proper Shipping Name: RQ HAZARDOUS WASTE LIQUID, NOS (LEAD)  
Hazard Class: 9 UN/NA #: NA3077 P. G.: III  
RQ: 10 LBS (D008) ERG#: 171

#### C. CHEMICAL COMPOSITION

ATTACHMENTS:  MSDS attached  Supplemental Analysis  Additional information  LDR Attachment

Chemical Composition	Percent	Minimum	Maximum
PETROLEUM SLUDGE	0-100%		

#### E. SHIPPING INFORMATION

Shipment Method:  
 Bulk Liquid - Tanker  Pallet(s)  Drum(Size): 55 GAL  
 Bulk Solid - Dmp Tr  Tote(s)  
 Bulk Solid - Roll Off  Cubic Yard Box(s)  Other(Size): \_\_\_\_\_  
Anticipated Volume: \_\_\_\_\_ Per \_\_\_\_\_  
Quantity: \_\_\_\_\_ Price: \_\_\_\_\_ / Unit: \_\_\_\_\_

#### F. SPECIAL HANDLING CONSIDERATIONS

Radioactive  PA RW SQG  No Land Filling  
 Etiologic/Medical Waste  DRMS/DRMO Waste  Incinerate Only  
 Fuming  CERCLA Waste  Recycle Only  
 Phenolics  Asbestos  Other:

#### G. TRANSPORTER ARRANGEMENTS

CCI/GCC Provides Transportation  Other:  
 Customer Delivers to CCI/GCC  
 Customer Delivers to End Facility via CCI/GCC

#### H. OTHER HAZARDOUS CHARACTERISTICS

RCRA REACTIVE  ETIOLOGICAL  EXPLOSIVE/SHOCK SENSITIVE  
 WATER REACTIVE  TSCA REG  NONE OF THE ABOVE  
 RADIOACTIVE  OXIDIZING MAT'L  
 SUBJECT TO SUBPART FF BENZENE REG  PYROPHORIC

Indicate if waste contains any of the following:

	Non-Reg.	or Less Than	or Actual
PCBs	<input type="checkbox"/>	<input type="checkbox"/> 50 PPM	_____
Cyanides	<input type="checkbox"/>	<input type="checkbox"/> 250 PPM	_____
Phenolics	<input type="checkbox"/>	<input type="checkbox"/> 50 PPM	_____
Sulfides	<input type="checkbox"/>	<input type="checkbox"/> 500 PPM	_____
VOCs	<input type="checkbox"/>	<input type="checkbox"/> 500PPM	_____
Chlorides	<input type="checkbox"/>	<input type="checkbox"/> 1000 PPM	_____

1. Is this waste characteristically hazardous for metals or organics (EPA Waste Codes D004 through D043)?  Yes  No  
If YES, please list the constituents and concentrations in section C.

2. Does this waste contain underlying hazardous constituents as defined in 40 CFR 268 Part 2, Section I at concentrations exceeding the UTS treatment standards?  Yes  No  
If YES, please list the constituents and concentrations in section C.

GENERATOR CERTIFICATION: I hereby certify that all information submitted in this and all other attached documents is complete, contains true and accurate descriptions and is representative of the waste material, and that all relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. If CCI/GCC discovers, after having taken the delivery of the waste, that any waste does not conform to the identification or descriptions contained in this MPS then CCI/GCC shall provide notice to Generator and coordinate the return, if applicable, of the non conforming waste to the point of origin as set forth in the manifest or to such other locations designated in writing by the Generator. Generator agrees to reimburse CCI/GCC for all handling, packaging, cleanup and transportation costs or charges, damage to equipment and costs associated with lost time incurred by CCI/GCC during the receipt, handling, temporary storage and return of such non conforming waste to its point of origin or to such other location designated by the Generator. I hereby authorize CCI/GCC to amend and/or correct any information on the MPS with the full understanding that if any amendment or correction is performed, I will be contacted as such to issue any approval.

Authorized Signature: Ann Spaulding Title: Sr. Env. Specialist Date: 2/25/09

CCI/GCC APPROVAL Sales Code \_\_\_\_\_ Tech Initials \_\_\_\_\_ Date \_\_\_\_\_ Management Initials \_\_\_\_\_ Date \_\_\_\_\_ Residual Waste / Form Code: \_\_\_\_\_





UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number  
**NYR000158204**

2. Page 1 of 1  
 3. Emergency Response Phone  
**800 807-7455**

4. Manifest Tracking Number  
**004470362 JJ**

5. Generator's Name and Mailing Address  
**CITY OF ROCHESTER**  
**30 CHURCH ST., ROOM 300B**  
**ROCHESTER NY 14614**

Generator's Site Address (if different than mailing address)  
**CITY OF ROCHESTER**  
**354 WHITNEY ST.**  
**ROCHESTER NY 14606**

Generator's Phone: **585 428 7474**

6. Transporter 1 Company Name  
**NEW YORK ENVIRONMENTAL TECHNOLOGIES, INC.**

U.S. EPA ID Number  
**NYD986983228**

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

**CYCLE CHEM, INC.**  
**550 INDUSTRIAL DR.**  
**LEWISBERRY PA 17339**

U.S. EPA ID Number

Facility's Phone: **717 938-4700**

**PAD067098822**

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
		No.	Type			
X	<b>RQ NA3082, HAZARDOUS WASTE LIQUID, NOS (LEAD), 9, PGIII (RQ: D006, D007, D008)</b>	<b>0 0 1</b>	<b>DF</b>	<b>00050</b>	<b>G</b>	<b>D008 D005 D007</b>
2.						
3.						
4.						

14. Special Handling Instructions and Additional Information

a. **710039-SMM**

**Job #R5504 / PO# 34354**

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offferor's Printed/Typed Name

**Anne Spaulding**

Signature

*Anne Spaulding*

Month Day

16. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:  
Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

*[Signature]*

Month Day

Transporter 2 Printed/Typed Name

Signature

*[Signature]*

Month Day

18. Discrepancy

18a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

U.S. EPA ID Number

18b. Alternate Facility (or Generator)

Facility's Phone:

18c. Signature of Alternate Facility (or Generator)

Month Day

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.

2.

3.

4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name

Signature

Month Day

GENERATOR

TRANSPORTER INT'L

DESIGNATED FACILITY

167-BLC-O 6 10486

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<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number NYR000158204		2. Page 1 of 1		3. Emergency Response Phone 10080		4. Manifest Tracking Number 004470362 JJK			
		5. Generator's Name and Mailing Address OCHE ROOM						Generator's Site Address (if different than mailing address) ROUHE WH 4608			
6. Transporter 1 Company Name NEW YORK ENVIRONMENTAL TECHNOLOGIES, INC.		U.S. EPA ID Number NYD986983229									
7. Transporter 2 Company Name		U.S. EPA ID Number									
8. Designated Facility Name and Site Address CYCLE CHEM, INC. 550 INDUSTRIAL DR. LEWISBERRY PA 17339 Facility's Phone: 717 939 4700								U.S. EPA ID Number PAD067098822			
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes					
		No.	Type								
X	3008 D00 D008	001	DF		G	0008	0005	0009	0007		
14. Special Handling Instructions and Additional Information											
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.											
Generator's/Offeror's Printed/Typed Name Ad						Signature			Month	Day	Year
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:											
17. Transporter Acknowledgment of Receipt of Materials											
Transporter 1 Printed/Typed Name						Signature			Month	Day	Year
Transporter 2 Printed/Typed Name						Signature			Month	Day	Year
18. Discrepancy											
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection											
Manifest Reference Number:											
18b. Alternate Facility (or Generator)								U.S. EPA ID Number			
Facility's Phone:											
18c. Signature of Alternate Facility (or Generator)									Month	Day	Year
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)											
1.			2.			3.			4.		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a											
Printed/Typed Name						Signature			Month	Day	Year

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number NYR000158204		2. Page 1 of 1		3. Emergency Response Phone 800 80 455		4. Manifest Tracking Number <b>004470362 JJK</b>			
		5. Generator's Name and Mailing Address ROCHE ROOM Generator's Phone: 95 138						Generator's Site Address (if different than mailing address) WH			
6. Transporter 1 Company Name NEW YORK ENVIRONMENTAL TECHNOLOGIES, INC.								U.S. EPA ID Number NYD986983229			
7. Transporter 2 Company Name								U.S. EPA ID Number			
8. Designated Facility Name and Site Address CYCLE CHEM, INC. 550 INDUSTRIAL DR. LEWISBERRY PA 17339 Facility's Phone: 717 939 4700								U.S. EPA ID Number PA0087098822			
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))			10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes			
				No.	Type						
X	0008 D00 D008) WASTE OIL			001		00050	G	0007	0008	0005	0006
	2.										
	3.										
	4.										
14. Special Handling Instructions and Additional Information											
15. <b>GENERATOR'S/OFFEROR'S CERTIFICATION:</b> I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.											
Generator's/Offeror's Printed/Typed Name						Signature			Month	Day	Year
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____											
17. Transporter Acknowledgment of Receipt of Materials											
Transporter 1 Printed/Typed Name						Signature			Month	Day	Year
Transporter 2 Printed/Typed Name						Signature			Month	Day	Year
18. Discrepancy											
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection											
Manifest Reference Number: _____											
18b. Alternate Facility (or Generator)								U.S. EPA ID Number			
Facility's Phone: _____											
18c. Signature of Alternate Facility (or Generator)									Month	Day	Year
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)											
1.			2.			3.			4.		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a											
Printed/Typed Name						Signature			Month	Day	Year



**ARSENIC DISPOSAL**

**11/6/2008**

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>NYR000156204</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>585-428-5978</b>	4. Manifest Tracking Number <b>001590185 FLE</b>					
5. Generator's Name and Mailing Address <b>City of Rochester 30 Church Street Rm. 300B Rochester, NY 14614 Generator's Phone: 585-428-7474</b>				Generator's Site Address (if different than mailing address) <b>City of Rochester Orchard/Winery Site 354 Orchard Street Rochester, NY 14606</b>						
6. Transporter 1 Company Name <b>Enviro of Ohio, Inc</b>				U.S. EPA ID Number <b>OH04056809</b>						
7. Transporter 2 Company Name				U.S. EPA ID Number						
8. Designated Facility Name and Site Address <b>Enviro of Ohio, Inc. 2050 Central Avenue, SE Canton, OH 44707 Facility's Phone: 800-715-5805</b>				U.S. EPA ID Number <b>OH0880568007</b>						
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		1. <b>Waste Environmentally hazardous substance, solid, toxic (Aqueous), D UN3177, PG II</b>		No.	Type					
		2.								
		3.								
		4.								
14. Special Handling Instructions and Additional Information <b>A. EW Approval # 17300 File Ref # ERG 171</b>										
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.										
Generator's/Offeror's Printed/Typed Name				Signature				Month	Day	Year
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____										
17. Transporter Acknowledgment of Receipt of Materials										
Transporter 1 Printed/Typed Name				Signature				Month	Day	Year
Transporter 2 Printed/Typed Name				Signature				Month	Day	Year
18. Discrepancy										
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection										
Manifest Reference Number: _____										
18b. Alternate Facility (or Generator)				U.S. EPA ID Number						
Facility's Phone: _____										
18c. Signature of Alternate Facility (or Generator)				Signature				Month	Day	Year
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)										
1.		2.		3.		4.				
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a										
Printed/Typed Name				Signature				Month	Day	Year

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number	FLE
5. Generator's Name and Mailing Address		Generator's Site Address (if different than mailing address)				
Generator's Phone						
6. Transporter 1 Company Name				U.S. EPA ID Number		
7. Transporter 2 Company Name				U.S. EPA ID Number		
8. Designated Facility Name and Site Address				U.S. EPA ID Number		
Facility's Phone:						
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
		No.	Type			
X	1.		1	Y		11 94
	2.					
	4.					
14. Special Handling Instructions and Additional Information						
<p>15. <b>GENERATOR'S/OFFEROR'S CERTIFICATION:</b> I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.</p>						
Generator's/Offeror's Printed/Typed Name			Signature		Month	Day Year
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name			Signature		Month	Day Year
Transporter 2 Printed/Typed Name			Signature		Month	Day Year
18. Discrepancy						
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
Manifest Reference Number: _____						
18b. Alternate Facility (or Generator)				U.S. EPA ID Number		
Facility's Phone: _____						
18c. Signature of Alternate Facility (or Generator)					Month	Day Year
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1.	2.	3.	4.			
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name			Signature		Month	Day Year

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number NY 1000150704	2. Page 1 of 1	3. Emergency Response Phone 585-429-8970	4. Manifest Tracking Number <b>001590184 FLE</b>	
5. Generator's Name and Mailing Address City of Rochester 26 Church Street Bldg. 500B Rochester, NY 14614 585-429-7474			Generator's Site Address (if different than mailing address) City of Rochester Orchard Whiskey Sqa 224 Church Street Rochester, NY 14601			
6. Transporter 1 Company Name Enviroserve, IV			U.S. EPA ID Number OH-0887050564			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address Invirta of Ohio, Inc. 2050 Central Avenue, SE Canton, OH 44707 Facility's Phone: 800-715-5805			U.S. EPA ID Number OH-0800568897			
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
		No.	Type			
X	1. Waste Environmentally hazardous substances solid, n.o.s. (Acrylonitrile), H 1915077, PG III	1	UM	271	Y	RLNE
	2.					
	3.					
	4.					
14. Special Handling Instructions and Additional Information A. EW Approval # 17398 File Ref # ERC 171						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offeror's Printed/Typed Name			Signature		Month	Day Year
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name			Signature		Month	Day Year
Transporter 2 Printed/Typed Name			Signature		Month	Day Year
18. Discrepancy						
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
18b. Alternate Facility (or Generator)			Manifest Reference Number: _____ U.S. EPA ID Number			
18c. Signature of Alternate Facility (or Generator) _____ Month Day Year						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1.		2.		3.		4.
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name			Signature		Month	Day Year



<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number <b>001590183 FLE</b>		
5. Generator's Name and Mailing Address <b>City of Rochester 30 Church Street Rm. 300B Rochester, NY 14614 Generator's Phone: 716 442 7474</b>				Generator's Site Address (if different than mailing address) <b>City of Rochester Orchard/Whitney Site 354 Orchard Street Rochester, NY 14606</b>			
6. Transporter 1 Company Name <b>Envirochem, Inc.</b>				U.S. EPA ID Number			
7. Transporter 2 Company Name				U.S. EPA ID Number			
8. Designated Facility Name and Site Address <b>Enviro of Ohio, Inc. 2050 Central Avenue, SE Canton, OH 44707 Facility's Phone: 330 715 6000</b>				U.S. EPA ID Number <b>OH-146056B092</b>			
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		No.	Type				
X	1. <b>Waste Environmentally hazardous substances solid, n.o.s. (Aqueous) UN2977, PG II</b>	1	CM	30 Y		11.48	
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information <b>A. EW Approval # 17398 File Ref # ERG 171</b>							
15. <b>GENERATOR'S/OFFEROR'S CERTIFICATION:</b> I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offeror's Printed/Typed Name				Signature		Month Day Year	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name <b>K. Spivey Moore</b>				Signature		Month Day Year	
Transporter 2 Printed/Typed Name				Signature		Month Day Year	
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
18b. Alternate Facility (or Generator) Manifest Reference Number: _____ U.S. EPA ID Number _____							
18c. Signature of Alternate Facility (or Generator) Month Day Year							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name				Signature		Month Day Year	

GENERATOR

TRANSPORTER INT'L

DESIGNATED FACILITY

**BILL OF LADING**

CARRIER

2050 CENTRAL AVENUE S.E.  
CANTON OH 44707  
330-456-6238

Central Dispatch Number  
(800) 858-9423

EPA ID: OHD980568992  
ICC: MC 311576

Bol No.: **68497C**  
Load No.: 11679  
Stream No.: 17393  
Date: 11-06-08

TO CONSIGNEE <b>Envirite</b>		FROM SHIPPER <b>City of Rochester.</b>				
STREET <b>2050 Central Ave</b>		STREET <b>30 Church St.</b>				
DESTINATION <b>Canton, OH</b>		ORIGIN <b>Rochester</b> STATE <b>NY</b> ZIP				
No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	PACKING GROUP	WEIGHT (subject to correction)
1	+	<b>Waste Environmentally hazardous substance, solid, non</b>	<b>9</b>	<b>NA 3077</b>	<b>III</b>	<b>30Y</b>
2						
3						

IF PRODUCT TEMPERATURE IS OVER 130°F, CALL DISPATCH

DRIVER **Larry E** TRUCK # **531** TRAILER # **9010** BOX # **44772**  
EMERGENCY CONTACT PHONE NUMBER - **585-428-5978** SPOTTED \_\_\_\_\_  
REMOVED \_\_\_\_\_

Miles	Pump Used <b>Y</b> <input checked="" type="radio"/> <b>N</b> <input type="radio"/>	Liner Used <b>Y</b> <input checked="" type="radio"/> <b>N</b> <input type="radio"/>
Finish	P/U Date <b>11-06-08</b>	Del. Date
Start <b>305232</b>	P/U Time	Del. Time
TOTAL	In <b>830</b> Out <b>930</b>	Net Wt.

Special Instruction & Explain Delay at Shippers: **Live load**

Special Instruction & Explain Delay at Consignee:

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. I have inspected the trailer and certify it acceptable for loading and verify that the times and explanation listed above are correct.

I have inspected the trailer and certify it completely empty and verify that the times and explanation listed above are correct.

Shipper Signature X **[Signature]** Consignee Signature X \_\_\_\_\_  
Loading Date **11-06-08** Unloading Date \_\_\_\_\_  
Driver Signature X **Larry E** Driver Signature X \_\_\_\_\_

CARRIER - ENVIRITE OF OHIO, INC. - CANTON, OH 44707

CARRIER - ENVIRITE OF OHIO, INC. - CANTON, OH 44707

WHITE — Consignee

CANARY — Corporate

PINK — Transporter

GOLDENROD — Shipper

# BILL OF LADING



CARRIER

2050 CENTRAL AVENUE S.E.  
CANTON OH 44707  
330-456-6238

Central Dispatch Number  
(800) 858-9423

EPA ID: OHD980568992  
ICC: MC 311576

Bol No.: **68318 C**  
Load No.: **11680**  
Stream No.: **17399**  
Date: **11-6-08**

TO CONSIGNEE	ENVIRITE OF OHIO INC	FROM SHIPPER	CITY OF ROCHESTER ORCHARD/WHITING STRE		
STREET	2050 CENTRAL AVENUE	STREET	354 ORCHARD STREET		
DESTINATION	CANTON OH 44707	ORIGIN	ROCHESTER STATE NY ZIP 14606		
No. Shipping Units	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	PACKING GROUP	WEIGHT (subject to correction)
1. <b>1CM X</b>	<b>RQ WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES SOLID NOS. ARSENIC</b>	<b>9</b>	<b>NA 3077</b>	<b>III</b>	<b>25 Y</b>
2.					
3.					

IF PRODUCT TEMPERATURE IS OVER 130°F, CALL DISPATCH

DRIVER **BMO Hadden** TRUCK # **526** TRAILER # **9009** BOX # **LIVE LOAD**  
EMERGENCY CONTACT PHONE NUMBER - **585-428-5978** SPOTTED \_\_\_\_\_ REMOVED \_\_\_\_\_

Miles	Pump Used	Y <input checked="" type="radio"/> N	Liner Used	<input checked="" type="radio"/> Y <input type="radio"/> N
Finish	P/U Date	<b>11-6-08</b>	Del. Date	Gross Wt.
Start <b>331999</b>	P/U Time		Del. Time	Tare Wt.
TOTAL	In <b>8:45</b> Out <b>10:15</b>		In Out	Net Wt.

Special Instruction & Explain Delay at Shippers **U** Special Instruction & Explain Delay at Consignee

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. I have inspected the trailer and certify it acceptable for loading and verify that the times and explanation listed above are correct.

I have inspected the trailer and certify it completely empty and verify that the times and explanation listed above are correct.

Shipper Signature X **[Signature]** Consignee Signature X \_\_\_\_\_  
Loading Date **11-6-08** Unloading Date \_\_\_\_\_  
Driver Signature X **[Signature]** Driver Signature X \_\_\_\_\_

**ARSENIC DISPOSAL**

**10/30/2008**

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number		2. Page 1 of		3. Emergency Response Phone		4. Manifest Tracking Number		FLE		
		5. Generator Name and Mailing Address						Generator's Site Address (if different than mailing address)				
Generator's Phone		6. Transporter 1 Company Name						U.S. EPA ID Number				
Generator's Phone		7. Transporter 2 Company Name						U.S. EPA ID Number				
Generator's Phone		8. Designated Facility Name and Site Address						U.S. EPA ID Number				
Generator's Phone		Facility's Phone										
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes						
		No.	Type									
X	1.	1	C		Y	P001						
	2.											
	3.											
	4.											
14. Special Handling Instructions and Additional Information												
<p>15. <b>GENERATOR'S/OFFEROR'S CERTIFICATION:</b> I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.</p>												
Generator's/Offeror's Printed/Typed Name						Signature		Month			Day	Year
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____												
17. Transporter Acknowledgment of Receipt of Materials												
Transporter 1 Printed/Typed Name						Signature		Month			Day	Year
Transporter 2 Printed/Typed Name						Signature		Month			Day	Year
18. Discrepancy												
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection												
18b. Alternate Facility (or Generator)						Manifest Reference Number:						
Facility's Phone:						U.S. EPA ID Number						
18c. Signature of Alternate Facility (or Generator)						Signature		Month			Day	Year
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)												
1.			2.			3.			4.			
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a												
Printed/Typed Name						Signature		Month			Day	Year

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number NY R00015A294	2. Page 1 of 1	3. Emergency Response Phone 585-428-6478	4. Manifest Tracking Number 001590966 FLE		
5. Generator's Name and Mailing Address City of Rochester 30 Church Street Rm. 3006 Rochester, NY 14614 Generator's Phone: 585-428-7474			Generator's Site Address (if different than mailing address) City of Rochester Orchard/Whitney Site 354 Orchard Street Rochester, NY 14606				
6. Transporter 1 Company Name Enviro of Ohio, Inc.			U.S. EPA ID Number OH-0980568992				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address Enviro of Ohio, Inc. 2050 Central Avenue, SE Canton, OH 44707 Facility's Phone: 800-715-5805			U.S. EPA ID Number OH-0980568992				
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		No.	Type				
	1. <del>Waste</del> Environmentally hazardous substances used in agriculture UN3077, PG III	1	GM	25	14	None	
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information A. EW Approval # 17389 File Ref. # ERG 171							
15. <b>GENERATOR'S/OFFEROR'S CERTIFICATION:</b> I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offeror's Printed/Typed Name Grasano Antonio			Signature <i>[Signature]</i>		Month 10	Day 30	Year 08
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name A.H. Young			Signature <i>[Signature]</i>		Month 10	Day 30	Year 08
Transporter 2 Printed/Typed Name			Signature		Month	Day	Year
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
18b. Alternate Facility (or Generator)			Manifest Reference Number				
Facility's Phone:			U.S. EPA ID Number				
18c. Signature of Alternate Facility (or Generator)					Month	Day	Year
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.	2.	3.	4.				
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name			Signature		Month	Day	Year

GENERATOR

TRANSPORTER INTL

DESIGNATED FACILITY

**BILL OF LADING**

CARRIER  
2050 CENTRAL AVENUE S.E.  
CANTON OH 44707  
330-456-6238

Central Dispatch Number  
(800) 858-9423

EPA ID: OHD980568992  
ICC: MC 311576

Bol No.: **68429 C**  
Load No.: 11312  
Stream No.: 17399  
Date: 10-30-08

TO CONSIGNEE <u>Envirite of Ohio Inc.</u>		FROM SHIPPER <u>City of Rochester Ohio</u>				
STREET <u>Central Ave</u>		STREET				
DESTINATION <u>Canton Ohio</u>		ORIGIN <u>Rochester</u>	STATE <u>NY</u> ZIP			
No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	PACKING GROUP	WEIGHT (subject to correction)
1. <u>1cm</u>	<u>X</u>	<u>ENVIRONMENTAL HAZARDOUS SUBSTANCES SOLID, N.O.S. (ARSENIC)</u>	<u>9</u>	<u>UN 3077</u>	<u>III</u>	<u>254</u>
2.						
3.						

IF PRODUCT TEMPERATURE IS OVER 130°F, CALL DISPATCH

DRIVER Wise TRUCK # 525 TRAILER # 9012 BOX # 25074  
EMERGENCY CONTACT PHONE NUMBER - 585-428-7979 SPOTTED 25074 REMOVED

Miles	Pump Used	Y <u>(N)</u>	Liner Used	<u>(Y)</u> N
Finish	P/U Date <u>10-30-08</u>	Del. Date	Gross Wt.	
Start <u>229481</u>	P/U Time	Del. Time	Tare Wt.	
TOTAL	In <u>7<sup>15</sup></u> Out <u>10<sup>30</sup></u>	In	Out	Net Wt.

Special Instruction & Explain Delay at Shippers: LIVE LOAD  
Special Instruction & Explain Delay at Consignee:

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.  
I have inspected the trailer and certify it acceptable for loading and verify that the times and explanation listed above are correct.

I have inspected the trailer and certify it completely empty and verify that the times and explanation listed above are correct.

Shipper Signature X [Signature] Consignee Signature X  
Loading Date 10-30-08 Unloading Date  
Driver Signature X Wise Driver Signature X

CARRIER - ENVIRITE OF OHIO, INC. - CANTON, OH 44707

CARRIER - ENVIRITE OF OHIO, INC. - CANTON, OH 44707

# BILL OF LADING



CARRIER  
2050 CENTRAL AVENUE S.E.  
CANTON OH 44707  
330-456-6238

Central Dispatch Number  
(800) 858-9423

Bol No.: 68430 C  
Load No.: 11313  
Stream No.: 11399  
Date: 10-30-08

EPA ID: OHD980568992  
ICC: MC 311576

TO CONSIGNEE <u>ENVIRITE OF OHIO, INC.</u>	FROM SHIPPER <u>City of Rochester</u>
STREET <u>2050 CENTRAL AVENUE S.E.</u>	STREET <u>30 Church Street Rm 3005</u>
DESTINATION <u>CANTON - OHIO 44707</u>	ORIGIN <u>Rochester</u> STATE <u>Ny</u> ZIP <u>14614</u>

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	PACKING GROUP	WEIGHT (subject to correction)
1	X	SEE Manifest No. 001590966 FLE	9	NA301101	III	25 y
2.						
3.						

IF PRODUCT TEMPERATURE IS OVER 130°F, CALL DISPATCH

DRIVER Av. Yoko TRUCK # 528 TRAILER # 9010 BOX # 25068  
 EMERGENCY CONTACT PHONE NUMBER - 585-478-5908 SPOTTED \_\_\_\_\_  
 REMOVED \_\_\_\_\_

Miles	Pump Used	Y	N	Liner Used	(Y)	N
Finish	P/U Date <u>10-30-08</u>	Del. Date	Gross Wt.			
Start <u>291141</u>	P/U Time <u>ASP</u>	Del. Time <u>ASP</u>	Tare Wt. <u>113,500</u>			
TOTAL <u>2</u>	In <u>7:15</u> Out <u>10:30</u>	In	Out	Net Wt.		

Special Instruction & Explain Delay at Shippers	Special Instruction & Explain Delay at Consignee

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. I have inspected the trailer and certify it acceptable for loading and verify that the times and explanation listed above are correct.

I have inspected the trailer and certify it completely empty and verify that the times and explanation listed above are correct.

Shipper Signature X <u>[Signature]</u>	Consignee Signature X
Loading Date <u>10-30-08</u>	Unloading Date
Driver Signature X <u>Av. Yoko</u>	Driver Signature X



Abandoned Property Located At  
354 Whitney Street  
Rochester, New York 14606

**LIMITED LEAD INSPECTION  
Technical Memorandum**



Prepared for:



CITY OF ROCHESTER  
Department of Environmental Services  
City Hall, Room 300-B  
30 Church Street  
Rochester, New York 14614

Prepared by:



2230 Penfield Road  
Penfield, New York 14526

November 2006

# ***TECHNICAL MEMORANDUM***

**TO:** City of Rochester, Department of Environmental Services  
City Hall, Room 300-B  
30 Church Street  
Rochester, New York 14614

**ATTN:** Jane Forbes  
Environmental Specialist

**FROM:** Roy Green, Lu Engineers  
Project Engineer

**DATE:** November 27, 2006

**RE:** Limited Lead Inspection  
354 Whitney Street  
Rochester, New York 14606  
Lu Project No. 4216

---

## ***INTRODUCTION***

Lu Engineers was contracted by the City of Rochester to provide a limited lead inspection of the 354 Whitney Street site. The structures located on the property require demolition to facilitate the Brownfield cleanup and site redevelopment.

The inspection included only a cursory assessment to determine if lead was present in dust or in painted surfaces. The limited lead inspection included only the above grade portions of the buildings and did not include the tunnels known to exist under the buildings.

## ***LEAD SAMPLING***

An EPA-certified Lead Risk Assessor from Lu Engineers conducted the limited inspection for this project on August 30, 2006. Several surfaces with damaged paint were sampled for lead content. In addition, lead dust wipe samples were collected from floor areas adjacent to damaged paint. A total of ten (10) lead paint chip samples and two (2) lead dust wipe samples were collected. In addition, one (1) lead dust wipe control sample was collected. The sample locations are indicated on the lead bulk sample location sketches included in Attachment A.

The samples were submitted to AMA Analytical Services, Inc., an ELAP-, NVLAP- and AIHA-certified laboratory. A copy of Lu Engineers' license and risk assessor certification, as well as AMA's laboratory credentials is included in Attachment B.

## LIMITATIONS

The sampling for the lead risk assessment was limited to twelve (12) total samples plus one (1) field blank. Not all building components with damaged painted surfaces were sampled for the presence of Lead. A comprehensive lead inspection was not conducted.

## RESULTS

The following table summarizes the lead sampling results:

<b>Sample #</b>	<b>Building Component / Location</b>	<b>Type of Sample</b>	<b>Results</b>
WH-LBP-1A	1 <sup>ST</sup> Floor, South East Column, A105	Paint Chip	0.19%
WH-LBP-2A	1 <sup>ST</sup> Floor, Middle East Wall, A105	Paint Chip	0.25%
<i>WH-LBP-3A</i>	<i>1<sup>ST</sup> Floor, East Side, A105, Floor</i>	<i>Dust Wipe</i>	<i>3,900 ug/ft<sup>2</sup></i>
WH-LBP-4A	1 <sup>ST</sup> Floor, North West Column, A105	Paint Chip	0.28%
WH-LBP-5A	1 <sup>ST</sup> Floor, West Wall, A115	Paint Chip	0.028%
<i>WH-LBP-6A</i>	<i>1<sup>ST</sup> Floor, West Door, A113</i>	<i>Paint Chip</i>	<i>1.7%</i>
<i>WH-LBP-7A</i>	<i>1<sup>ST</sup> Floor, South East Stair Support, A103</i>	<i>Paint Chip</i>	<i>2.8%</i>
<i>WH-LBP-8A</i>	<i>2<sup>ND</sup> Floor, South East Wall, South Mezzanine</i>	<i>Paint Chip</i>	<i>2.4%</i>
WH-LBP-9A	2 <sup>ND</sup> Floor, Middle West Wall, A201	Paint Chip	0.24%
<i>WH-LBP-10A</i>	<i>2<sup>ND</sup> Floor, North West Column, A201</i>	<i>Paint Chip</i>	<i>12%</i>
WH-LBP-11A	2 <sup>ND</sup> Floor, Ceiling Under Raised Wood Floor, North Mezzanine	Paint Chip	0.09%
<i>WH-LBP-12A</i>	<i>2<sup>ND</sup> Floor, Floor, North Mezzanine</i>	<i>Dust Wipe</i>	<i>2,600 ug/ft<sup>2</sup></i>
WH-LBP-13A	Field Blank	Blank	<12 ug/ft <sup>2</sup>

According to the United States Environmental Protection Agency (EPA), paint or other surface coating is considered lead based if the concentration of lead is equal or greater than 0.5% by weight.

Four (4) of the ten (10) paint chip samples collected are considered lead based paint per EPA standards. Any surface coating or building component not sampled for lead must be treated as a lead based paint.

According to the Occupational Safety and Health Administration (OSHA), lead means metallic lead, all inorganic lead compounds and organic soaps with any concentrations of lead. Therefore, all samples collected are considered lead containing per OSHA standards.

According to current EPA Standards (40 CFR Part 745) and HUD guidelines, the following are recognized lead dust hazard levels for child occupied facilities, target housing, and for renovation / rehabilitation projects that involve federal monies.

<b>Surface</b>	<b>Lead Dust Hazard Level</b>
Bare and Carpeted Floor Surfaces	< 40 $\mu\text{g}/\text{ft}^2$

Since this facility is not a child occupied facility, target housing, and is not a rehabilitation project involving federal monies, this lead dust hazard level is provided ONLY for comparison.

Both lead dust wipe samples had an extremely high level of lead dust, indicative of major lead paint deterioration and damage typical of the conditions for this site.

A copy of the lead certificate of analysis from AMA Analytical Services, Inc. and the chain of custody is included in Attachment C.

### **LEAD HAZARDS**

Due to the abandoned nature of the buildings on the site, all painted surfaces are significantly damaged creating a potential lead hazard for workers who would be tasked with asbestos abatement or demolition.

Photo identification sheets are included in Attachment D. These photos show the condition of the painted surfaces at the time of sampling.

### **RECOMMENDATIONS**

Since the buildings located on the site are scheduled for demolition, it is recommended that all demolition contractors follow OSHA Standard 29 CFR 1926.62 relating to lead.

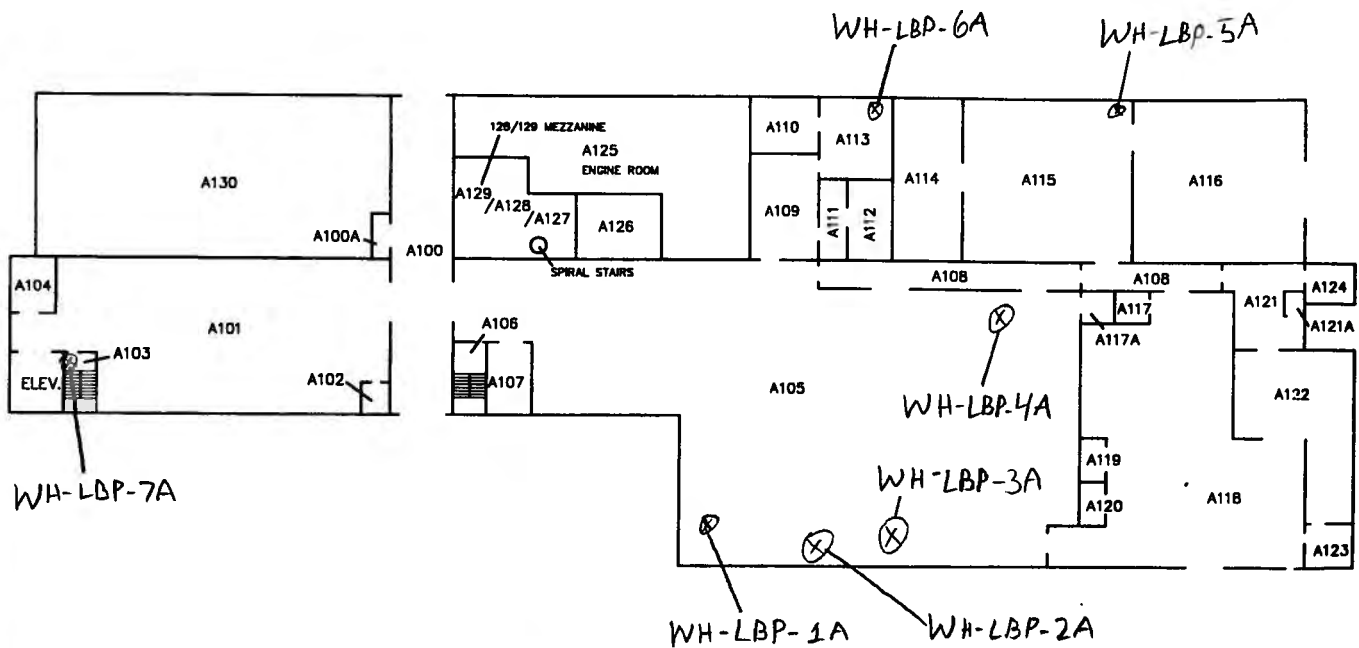
In addition, it is recommended that prior to disposal of any demolition wastes, Contractors should test the waste for toxicity in accordance with EPA Method 1311, Toxicity Characteristic Leaching Procedure (TCLP). If test results indicate a value greater than 5-mg/L, the demolition debris would be classified as a hazardous waste and should be disposed of accordingly.

# ***ATTACHMENT A***

*Lead Bulk Sample Location Sketches*

**LIMITED LEAD INSPECTION**

ABANDONED PROPERTY LOCATED AT  
354 WHITNEY STREET  
ROCHESTER, NEW YORK



BUILDING #2/2A/BRICKMILL  
1ST FLOOR

Lu Project #: 4216



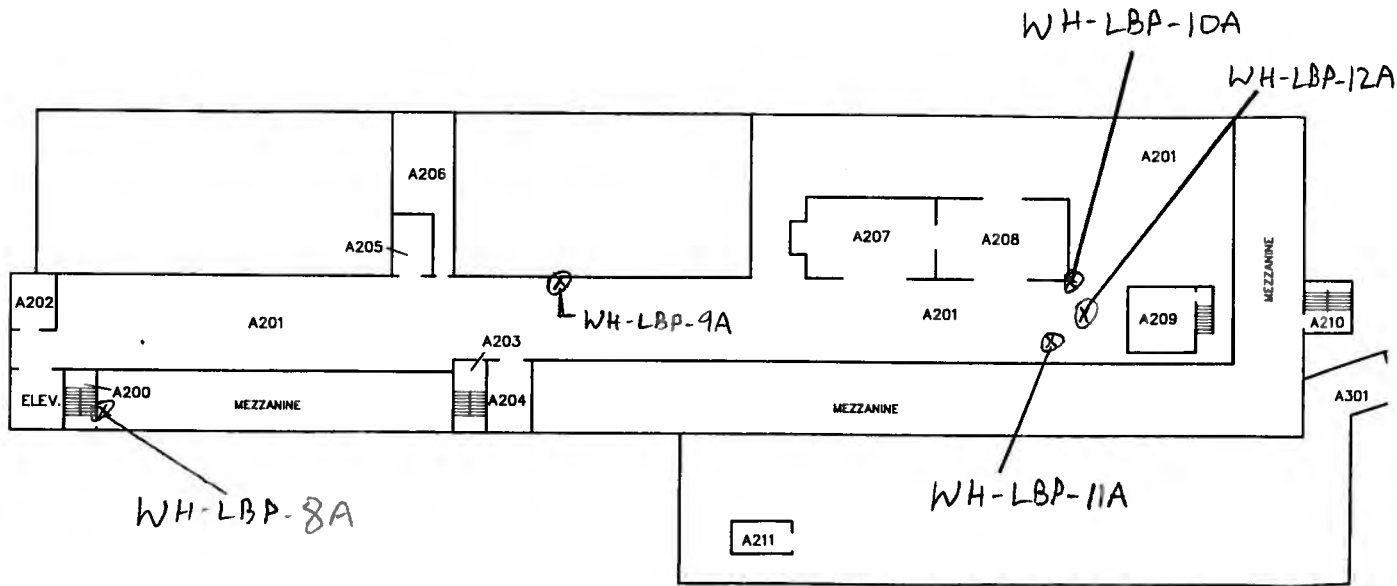
**LU ENGINEERS**  
Civil and Environmental

Sketch Is Not Drawn To Scale

**LEAD BULK SAMPLE LOCATION SKETCH**

354 Whitney Street  
Rochester, New York 14606

***Pre-demolition Technical Memorandum***



BUILDING #2/2A/BRICKMILL  
2ND FLOOR

Lu Project #: 4216



Sketch Is Not Drawn To Scale

**LEAD BULK SAMPLE LOCATION SKETCH**

354 Whitney Street  
Rochester, New York 14606

**Pre-demolition Technical Memorandum**

# **ATTACHMENT B**

*License, Certification and  
Laboratory Credentials*

**LIMITED LEAD INSPECTION**

ABANDONED PROPERTY LOCATED AT  
354 WHITNEY STREET  
ROCHESTER, NEW YORK

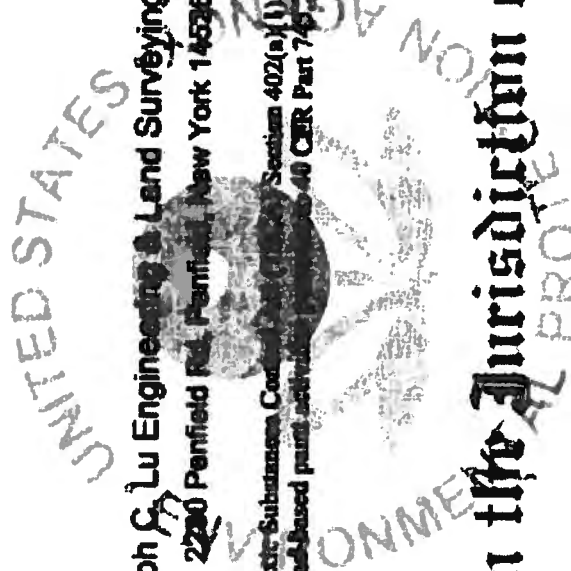


# United States Environmental Protection Agency

This is to certify that

Joseph S. Lu Engineering & Land Surveying, P.C.  
2200 Penfield Rd. Penfield, New York 14526

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402(a)(1), and has received certification to conduct lead-based paint activities under 40 CFR Part 745.226.



## In the Jurisdiction of:

New York

This certification is valid from the date of issuance and expires August 1, 2009

NY-2184-1

Certification #  
**NOV 14 2005**

Issued On

Kenneth S. Stoller, P.E., QEP, DEE, Chief  
Pesticides & Toxic Substances Branch

**New York  
RISK ASSESSOR**



**Certified Lead-Based  
Paint Professional**

<b>Certification No NY-R-4811-1</b>	
<b>Date of Birth</b> <del>XXXXXXXXXX</del>	<b>Expiration Date</b> <b>09/19/2009</b>
<b>Address</b> .	
<b>Badge Holder's Name</b> <b>Roy C Green</b>	
<b>Badge Holder's Signature</b> <i>Roy C. Green</i>	

If found, drop in any mailbox  
Postmaster: Please return to:  
US EPA  
1200 Pennsylvania Ave, NW  
(MC-74040T)  
Washington, DC 20460  
or call 1-800-424-LEAD



# United States Environmental Protection Agency

This is to certify that



Roy C. Green

Risk Assessor

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402(a)(1), and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.22b as a:

In the Jurisdiction of:

New York

This certification is valid from the date of issuance and expires September 19, 2009

NY-R-4511-1

Certification #

MAR - 8 2006

Issued On



Kenneth S. Stoller, P.E., QEP, DEE, Chief  
Pesticides & Toxic Substances Branch





STATE OF NEW YORK  
DEPARTMENT OF HEALTH

Wadsworth Center The Governor Nelson A. Rockefeller Empire State Plaza P.O. BOX 509 Albany, New York 12201-0509

Antonia C. Novello, M.D., M.P.H., Dr.P.H.  
Commissioner

Dennis P. Whalen  
Executive Deputy Commissioner

LAB ID: 10920

April 03, 2006

MR. G EDWARD CARNEY  
AMA ANALYTICAL SERVICES INC  
4475 FORBES BLVD  
LANHAM, MD 20706

Certificate Expiration Date: April 01, 2007

Dear Mr. Carney,

Enclosed are the ELAP and/or NELAP Certificate(s) of Approval issued to your environmental laboratory for the current permit year. The Certificate(s) supersede any previously issued and is(are) in effect through the expiration date listed above. Please carefully examine the Certificate(s) to insure that the categories, subcategories, analytes and methods for which your laboratory is approved are listed correctly, as well as verifying your laboratory's name, address, lead technical director and identification number.

Pursuant to regulation (Part 55-2 NYCRR), original certificates must be posted conspicuously in the laboratory and shall, upon request, be made available to any client of the laboratory. Certificates remain the property of the New York State Department of Health and must be surrendered promptly on demand.

Please note, pursuant to Section 55-2.5(a) NYCRR, any misrepresentation of the Fields of Accreditation (Matrix - Method - Analyte) for which your laboratory is approved may result in denial, suspension, or revocation of your certification. Any use of the ELAP or NELAP name, reference to the laboratory's approval status and/or using the NELAC/NELAP logo in any catalogs, advertising, business solicitations, proposals, quotations, laboratory analytical reports or other materials must include the laboratory's ELAP identification number, and must distinguish between proposed testing for which the laboratory is approved and the proposed testing for which the laboratory is not approved.

Please notify the ELAP office of any changes you feel need to be made to your Certificate(s). We may be reached via email to [elap@health.state.ny.us](mailto:elap@health.state.ny.us) or by calling (518) 485-5570.

Sincerely,

Joyce Reilly

Program Administrator  
Environmental Laboratory  
Approval Program

**NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER**

*Antonia C. Novello, M.D., M.P.H., Dr.P.H.*



Expires 12:01 AM April 01, 2007  
Issued April 1, 2006

**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

*Issued in accordance with and pursuant to section 502 Public Health Law of New York State*

**MR. G EDWARD CARNEY  
AMA ANALYTICAL SERVICES INC  
4475 FORBES BLVD  
LANHAM, MD 20706**

**NY Lab Id No: 10920  
EPA Lab Code: MD00084**

*is hereby APPROVED as an Environmental Laboratory for the category  
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE  
All approved subcategories and/or analytes are listed below:*

**Miscellaneous**

Asbestos In Friable Material	EPA 600/M4/82/020
Asbestos in Non-Friable Material-TEM	ITEM 198.4 OF MANUAL
Lead in Dust Wipes	EPA 7420
Lead In Paint	EPA 7420

**Serial No.: 29206**

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.



# The American Industrial Hygiene Association

*acknowledges that*

## AMA Analytical Services, Inc.

4475 Forbes Boulevard, Lanham, MD 20706

Laboratory ID: 100470

has fulfilled the requirements of the AIHA Laboratory Quality Assurance Programs (LQAP), thereby, conforming to the ISO/IEC 17025 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories*. The above named laboratory has been accredited by AIHA in the following:

### ACCREDITATION PROGRAMS

- ✓ INDUSTRIAL HYGIENE
- ✓ ENVIRONMENTAL LEAD
- ENVIRONMENTAL MICROBIOLOGY
- FOOD
- UNIQUE SCOPE

- Accreditation Expires: 07/01/2008
- Accreditation Expires: 07/01/2008
- Accreditation Expires:
- Accreditation Expires:
- Accreditation Expires:

Specific categories of testing, within each Accreditation Program, for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with LQAP requirements. This certificate is not valid without the attached **Scope of Accreditation**.

Larry S. Pierce, PhD, CIH  
Chairperson, Analytical Accreditation Board

Donna M. Dogamiero, CIH  
President, AIHA

Date Issued: 03/04/2005





**SOUND DATA**

**LABORATORY QUALITY ASSURANCE PROGRAMS**

**AIHA**

*Your Essential Connection. Advancing Occupational and Environmental Health and Safety Globally*

2700 Prosperity Ave., Suite 250, Fairfax, VA 22031 U.S.A.  
(703) 849-8888; Fax (703) 207-3561; www.aiha.org

## AIHA Laboratory Quality Assurance Programs SCOPE OF ACCREDITATION

**AMA Analytical Services, Inc.**  
4475 Forbes Boulevard, Lanham, MD 20706

Laboratory ID: 100470  
Issue Date: 03/04/2005

Clients are urged to verify the laboratory's accreditation status for particular categories of testing. A complete listing of currently accredited Industrial Hygiene laboratories is available on the AIHA website at <http://www.aiha.org/LaboratoryServices/html/lists.htm>

The "✓" symbol indicates that the laboratory is approved for that specific field(s) of testing within the Scope Category. A list of current analytical methods covering the scopes for which the laboratory is accredited shall be available to customers and the accreditation body from the laboratory upon request.

✓ **IHLAP** Initial Accreditation Date: 03/01/1984

**Inorganics**

- Ion Chromatography
- Atomic Absorption & Emission
- ICP, DCP, ICP-MS
- Infra-Red (IR)
- UV/VIS
- Gravimetric
- Titrimetric
- Ion-Selective Electrode (ISE)
- XRD

**Organics**

- GC
- IR
- LC
- GC/MS
- UV/VIS
- Gravimetric

**Asbestos**

- Air**
- ✓ Optical Microscopy
  - Electron Microscopy

**Bulk**

- Optical Microscopy
- Electron Microscopy

**Compressed Air**

- GC
- GC/MS
- Gravimetric
- UV/VIS
- IR



## AIHA

*Your Essential Connection: Advancing Occupational and Environmental Health and Safety Globally*

2700 Prosperity Ave., Suite 250, Fairfax, VA 22031 U.S.A.  
(703) 849-8888; Fax (703) 207-3561; [www.aiha.org](http://www.aiha.org)

# AIHA Laboratory Quality Assurance Programs

## SCOPE OF ACCREDITATION

**AMA Analytical Services, Inc.**  
4475 Forbes Boulevard, Lanham, MD 20706

Laboratory ID: **100470**  
Issue Date: 03/04/2005

Clients are urged to verify the laboratory's accreditation status for particular categories of testing. A complete listing of currently accredited Environmental Lead laboratories is available on the AIHA website at <http://www.aiha.org/LaboratoryServices/html/lists.htm>

The "✓" symbol in the table below indicates that the laboratory is approved by AIHA for that specific field(s) of testing. A list of current analytical methods covering the scopes for which the laboratory is accredited shall be available to customers and the accreditation body from the laboratory upon request.

### ✓ **ELLAP** Initial Accreditation Date: **10/28/1996**

The EPA recognizes the AIHA ELLAP program as meeting the requirements of the National Lead Laboratory Accreditation Program (NLLAP) established under Title X of the Residential Lead-Based Paint Hazard Reduction Act of 1992 and includes paint, soil and dust wipe analysis. Air analysis is not included as part of the NLLAP.

- ✓ Paint
- ✓ Soil
- ✓ Dust
- ✓ Air



**ATTACHMENT C**

*Certificate of Analysis and  
Chain of Custody Form*

**LIMITED LEAD INSPECTION**

ABANDONED PROPERTY LOCATED AT  
354 WHITNEY STREET  
ROCHESTER, NEW YORK

**CERTIFICATE OF ANALYSIS**

**Client:** Lu Engineers  
**Address:** 2230 Penfield Road  
 Penfield, New York 14526  
**Attention:** Roy Green  
**Job Name:** Orchard/Whitney Brown Field Inv.  
**Job Location:** 354 Whitney Street  
**Job Number:** 4216  
**P.O. Number:** Not Provided  
**Chain Of Custody:** 120291  
**Date Submitted:** 9/1/2006  
**Person Submitting:** Roy Green  
**Date Analyzed:** 9/1/2006  
**Report Date:** 05-Sep-06

**Summary of Atomic Absorption Analysis for Lead**

AMA Sample Number	Client Sample Number	Analysis Type	Sample Type	Air Volume (L)	Area Wiped (ft <sup>2</sup> )	Reporting Limit	Final Result	Comments
0680371	WH-LBP-1A	Flame	Paint Chip	****	N/A	0.01 %Pb	0.19 %Pb	
0680372	WH-LBP-2A	Flame	Paint Chip	****	N/A	0.01 %Pb	0.25 %Pb	
0680373	WH-LBP-3A	Flame	Wipe	****	1.000	12.00 ug/ft <sup>2</sup>	3900 ug/ft <sup>2</sup>	
0680374	WH-LBP-4A	Flame	Paint Chip	****	N/A	0.01 %Pb	0.28 %Pb	
0680375	WH-LBP-5A	Flame	Paint Chip	****	N/A	0.01 %Pb	0.028 %Pb	
0680376	WH-LBP-6A	Flame	Paint Chip	****	N/A	0.01 %Pb	1.7 %Pb	
0680377	WH-LBP-7A	Flame	Paint Chip	****	N/A	0.01 %Pb	2.8 %Pb	
0680378	WH-LBP-8A	Flame	Paint Chip	****	N/A	0.01 %Pb	2.4 %Pb	
0680379	WH-LBP-9A	Flame	Paint Chip	****	N/A	0.01 %Pb	0.24 %Pb	
0680380	WH-LBP-10A	Flame	Paint Chip	****	N/A	0.01 %Pb	12 %Pb	
0680381	WH-LBP-11A	Flame	Paint Chip	****	N/A	0.01 %Pb	0.09 %Pb	
0680382	WH-LBP-12A	Flame	Wipe	****	1.000	12.00 ug/ft <sup>2</sup>	2600 ug/ft <sup>2</sup>	
0680383	WH-LBP-13A	Flame	Wipe Blank	****	N/A	12.00 ug	< 12 ug	

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. NVLAP Accreditation applies only to polarized light microscopy of bulk samples and transmission electron microscopy of AHERA air samples. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

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An AIHA (#8863), NVLAP (# 101143), & New York ELAP (#10920) Accredited Laboratory

4475 Forbes Blvd. • Lanham, MD 20706 • (301) 459-2640 • Toll Free (800) 346-0961 • Fax (301) 459-2643

**CERTIFICATE OF ANALYSIS**

**Client:** Lu Engineers      **Job Name:** Orchard/Whitney Brown Field Inv.      **Chain Of Custody:** 120291  
**Address:** 2230 Penfield Road      **Job Location:** 354 Whitney Street      **Date Submitted:** 9/1/2006  
 Penfield, New York 14526      **Job Number:** 4216      **Person Submitting:** Roy Green  
**Attention:** Roy Green      **P.O. Number:** Not Provided      **Date Analyzed:** 9/1/2006      **Report Date:** 05-Sep-06

**Summary of Atomic Absorption Analysis for Lead**

AMA Sample Number	Client Sample Number	Analysis Type	Sample Type	Air Volume (L)	Area Wiped (ft <sup>2</sup> )	Reporting Limit	Final Result	Comments
-------------------	----------------------	---------------	-------------	----------------	-------------------------------	-----------------	--------------	----------

**Analysis Method for Flame:** Air, Wipes, Paints, and Soil/Solids: EPA 600/R-93/200(M)-7420; Water: SM-3111B  
**Analysis Method For Furnace:** Air, Wipes, Paints, and Soil/Solids : EPA 600/R-93/200(M)-7421; Water: SM-3113B

N/A = Not Applicable      mg/Kg = parts per million (ppm) by weight      mg/L = parts per million (ppm)

%Pb = percent lead by weight      ug = micrograms      ug/L = parts per billion (ppb)

Note: All samples were received in good condition unless otherwise noted.

Note: All results have two significant digits. Any additional digits shown should not be considered when interpreting the result.

Air and Wipe results are not corrected for any blank results

See QC Summary for analytical results of quality control samples associated with these samples.

**Analyst:** Varistha Somprachum

**Technical Manager:** G Edward Carney

*(Handwritten signature)*

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. NVLAP Accreditation applies only to polarized light microscopy of bulk samples and transmission electron microscopy of AHERA air samples. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

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# AMA Analytical Services, Inc.



## QC Summary

Sample Delivery Group: 13505

Analysis Type: Flame  
 Sample Type: Paint Chip  
 Analysis Date: 9/1/2006

	Result		Percent Recovery	RPD	Comment
Preparation Blank	0.074 ppm				Acceptable
Report Limit Verification Sample	0.3894 ppm		116.8%		Acceptable
Expected Spike Level (ppm)	0.3333				
Duplicate Sample 1	5595 mg/Kg				
Duplicate Sample 2	6607 mg/Kg			16.60%	Acceptable
<b>Matrix Spike Analysis</b>					
Spiked Sample			8.54%		Outside Limits
Spike Duplicate			0.30%	186.23%	Outside Limits
Laboratory Control Sample 1	385.854 µg		83.69%		Acceptable
Laboratory Control Sample 2	324.530 µg		83.82%	0.17%	Acceptable

### Calibration Information

Correlation of Calibration Curve: 0.999273

All calibration verification samples are within acceptance limits.

**Notes:** The spike and spike duplicate recoveries were below the lower control limit of 75%; it is suspected these samples were not spiked. Serial Dilution Analysis was performed on a selected sample with an RPD of 8.3% obtained, within the 10% RPD control limit.

### Samples included in this Sample Delivery Group (SDG)

Chain Of Custody	AMA Sample Number	Client Sample Number
120292	80342	ORC-LBP-1A
120292	80343	ORC-LBP-2A

SDG Number: 13505

**Samples included in this Sample Delivery Group (SDG)**

<b>Chain Of Custody</b>	<b>AMA Sample Number</b>	<b>Client Sample Number</b>
120292	80344	ORC-LBP-3A
120292	80345	ORC-LBP-4A
120292	80346	ORC-LBP-5A
120292	80347	ORC-LBP-6A
120292	80348	ORC-LBP-7A
120292	80349	ORC-LBP-8A
120292	80350	ORC-LBP-9A
120292	80351	ORC-LBP-10A
120291	80371	WH-LBP-1A
120291	80372	WH-LBP-2A
120291	80374	WH-LBP-4A
120291	80375	WH-LBP-5A
120291	80376	WH-LBP-6A
120291	80377	WH-LBP-7A
120291	80378	WH-LBP-8A
120291	80379	WH-LBP-9A
120291	80380	WH-LBP-10A
120291	80381	WH-LBP-11A



# AMA Analytical Services, Inc.



## QC Summary

Sample Delivery Group: 13499

Analysis Type: Flame  
 Sample Type: Wipe  
 Analysis Date: 9/5/2006

	Result	Percent Recovery	RPD	Comment
Preparation Blank	-0.022 ppm			Acceptable
Report Limit Verification Sample	0.2965 ppm	89.0%		Acceptable
Expected Spike Level (ppm)	0.3333			
Duplicate Sample 1	#Num! mg/Kg			
Duplicate Sample 2	#Num! mg/Kg		#Error	#Error
Matrix Spike Analysis				
Spiked Sample		89.25%		Acceptable
Spike Duplicate				Acceptable
Laboratory Control Sample 1	267.752 µg	85.17%		Acceptable
Laboratory Control Sample 2	263.518 µg	85.59%	0.49%	Acceptable

### Calibration Information

Correlation of Calibration Curve: 0.999356

All calibration verification samples are within acceptance limits.

### Notes:

#### Samples included in this Sample Delivery Group (SDG)

Chain Of Custody	AMA Sample Number	Client Sample Number
120292	80352	ORC-LBP-11A
120292	80353	ORC-LBP-12A

SDG Number: 13499

**Samples included in this Sample Delivery Group (SDG)**

<b>Chain Of Custody</b>	<b>AMA Sample Number</b>	<b>Client Sample Number</b>
142005	80354	1
142005	80355	2
142005	80356	3
142005	80357	4
120291	80373	WH-LBP-3A
120291	80382	WH-LBP-12A
120291	80383	WH-LBP-13A
157184	80470	LCN06-0830MFA-01
157184	80471	LCN06-0830MFA-02
157184	80472	LCN06-0830MFA-03
157184	80473	LCN06-0830MFA-04
157184	80474	LCN06-0830MFA-05
157184	80475	LCN06-0830MFA-06
157185	80476	LCN06-0830MFA-01
157185	80477	LCN06-0830MFA-02
157185	80480	LCN06-0830MFA-05
157185	80481	LCN06-0830MFA-06



**AMA Analytical Services, Inc.**  
 AIHA (#8863) NVLAP (#1143) NY ELAP (10920)  
 4475 Forbes Blvd. • Lanham, MD 20706  
 (301) 459-2640 • (800) 346-0961 • Fax (301) 459-2643  
 www.amalab.com

# CHAIN OF CUSTODY

(Please Refer To This Number For Inquires)

120291

**Mailing/Billing Information:**

- Client Name: LV ENVIRONMENTALS
- Address 1: 2230 PENFIELD ROAD
- Address 2: PENFIELD NY 14126
- Address 3: \_\_\_\_\_
- Phone #: 585-377-1450 x217 Fax #: 585-377-1266

**Submittal Information:**

- Job Name: ORCHARD/WAIGNEY BROWNFIELD TRV.
- Job Location: 354 WAIGNEY STREET
- Job #: 4216 P.O. #: 668688
- Contact Person: ROY GREEN @ phone # 585-377-1266
- Submitted by: ROY GREEN Signature: \_\_\_\_\_

**Reporting Information (Results will be provided as soon as technically feasible):**

Date & Time Results Required: 9/10/00 @ 1010 Immd.  24hr  48hr  72hr  5 Day +  Immd. After-Hours\*  Late-Night\* (\*must be pre-scheduled)  
 Verbal: \_\_\_\_\_ @ cell # \_\_\_\_\_ Fax Copy: ROY GREEN @ fax # 585-377-1266 Email Copy: LDY-9500 @ LVENVIRON.COM

**Asbestos Analysis**

- PCMAir - Please Indicate Filter Type:  
 MCE Porosity \_\_\_\_\_ in a 25mm 37mm (QTY)  
 NIOSH 7400 \_\_\_\_\_ (QTY)  
 Fiberglass \_\_\_\_\_ (QTY)
- TEMAir - Please Indicate Filter Type:  
 MCE Porosity \_\_\_\_\_ in a 25mm 37mm (QTY)  
 AHERA \_\_\_\_\_ (QTY)  
 NIOSH 7402 \_\_\_\_\_ (QTY)  
 Other (specify) \_\_\_\_\_ (QTY)
- PLM/Bulk  
 EPA 600 - Visual Estimate \_\_\_\_\_ (QTY)  
 EPA Point Count \_\_\_\_\_ (QTY)  
 NY State Friable \_\_\_\_\_ (QTY)  
 Grav. Reduction ELAP 198.1 \_\_\_\_\_ (QTY)  
 Other (specify) \_\_\_\_\_ (QTY)

**TEM Bulk**

- ELAP 198.4/Chatfield \_\_\_\_\_ (QTY)  
 NY State PLM/TEM \_\_\_\_\_ (QTY)  
 Residual Ash \_\_\_\_\_ (QTY)
- TEM Dust**  
 Qual. (pres/abs) Vacuum/Dust \_\_\_\_\_ (QTY)  
 Quan. (s/area) Vacuum D5755-95 \_\_\_\_\_ (QTY)  
 Quan. (s/area) Dust D6480-99 \_\_\_\_\_ (QTY)
- TEM Water**  
 Qual. (pres/abs) \_\_\_\_\_ (QTY)  
 ELAP 198.2/EPA 100.2 \_\_\_\_\_ (QTY)  
 EPA 100.1 \_\_\_\_\_ (QTY)

**Lead Analysis**

- Paint Chip 10 (QTY)  
 Dust Wipe (wipe type SH-101) 3 (QTY)  
 Air \_\_\_\_\_ (QTY)  
 Soil/Solid \_\_\_\_\_ (QTY)  
 TCLP \_\_\_\_\_ (QTY)  
 Drinking Water \_\_\_\_\_ (QTY)  
 Waste Water \_\_\_\_\_ (QTY)  
 Dust Wipe Furnace (wipe type \_\_\_\_\_) \_\_\_\_\_ (QTY)

**Miscellaneous Analysis**

- Radon \_\_\_\_\_ (QTY)  
 Other (specify \_\_\_\_\_) \_\_\_\_\_ (QTY)

**SAMPLE ANALYSIS INFORMATION**

CLIENT ID NUMBER	SAMPLE LOCATION	DATE	VOLUME (LITERS)	WIPE AREA	ANALYSIS	MATRIX	CLIENT CONTACT (LABORATORY STAFF ONLY)
WAH-LBP-1A	5E Colony A104	8/30/00					
WAH-LBP-2A	Mid Easting 11	8/30/00					
WAH-LBP-3A	ENFINDER	8/30/00		15F			
WAH-LBP-4A	Mid NY 2000	8/30/00					
WAH-LBP-5A	2500 Bay Garage	8/30/00					
WAH-LBP-6A	W5500	8/30/00					
WAH-LBP-7A	515 Garage	8/30/00					
WAH-LBP-8A	Mid Easting 11	8/30/00					
WAH-LBP-9A	Mid Easting 11	8/30/00					
WAH-LBP-10A	Mid Easting 11	8/30/00					
WAH-LBP-11A	Mid Easting 11	8/30/00					
WAH-LBP-12A	Mid Easting 11	8/30/00		15F			
WAH-LBP-13A	Blank	8/30/00					

**LABORATORY STAFF ONLY: (CUSTODY)**

- Date/Time RCVD: 9/11/00 @ 1010 Via: Fed Ex By (Print): Kadian Watson Sign: Wat
- Date/Time Analyzed: \_\_\_\_\_ @ \_\_\_\_\_ By (Print): \_\_\_\_\_ Sign: \_\_\_\_\_
- Results Reported To: \_\_\_\_\_ Via: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_
- Comments: \_\_\_\_\_

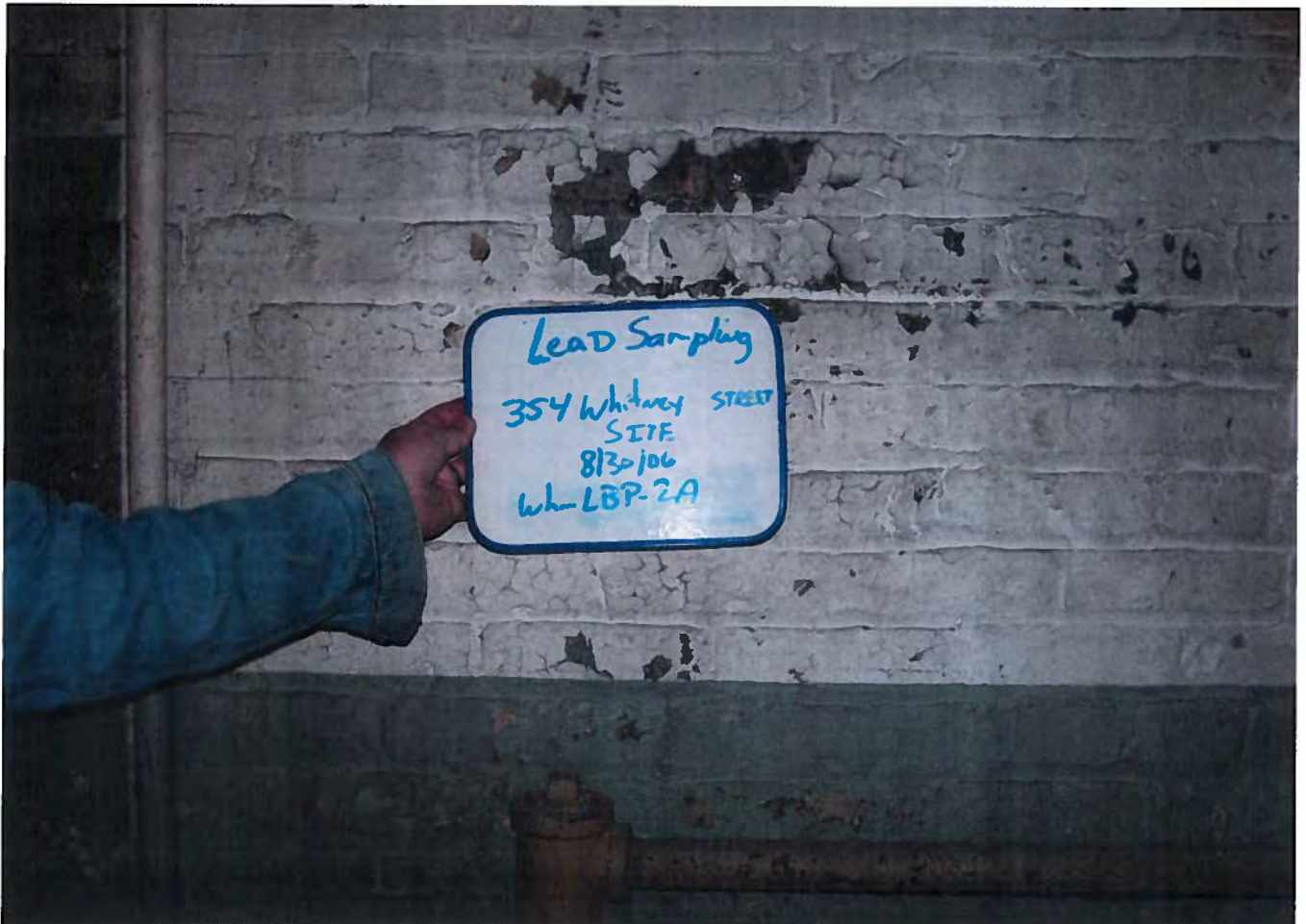
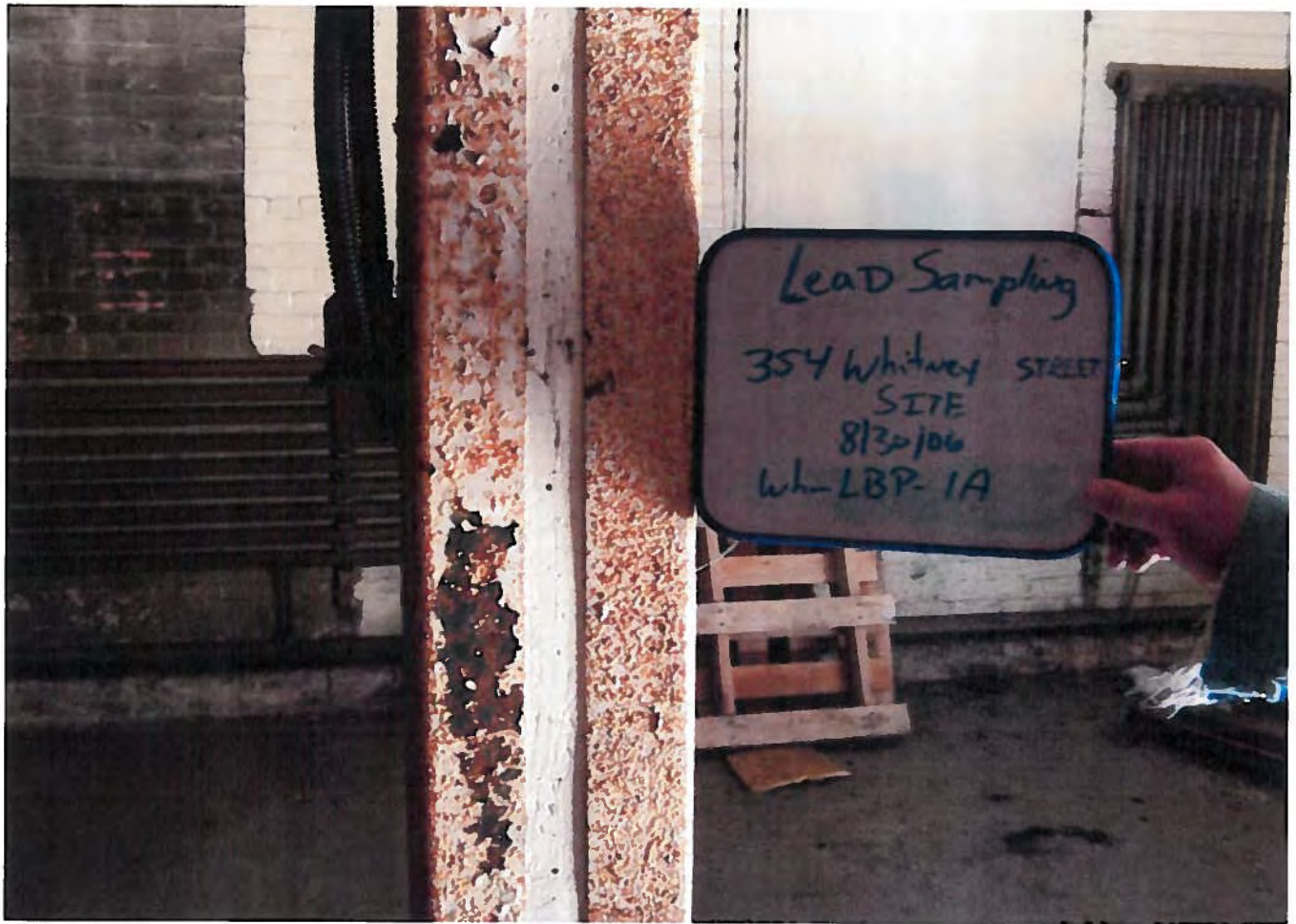


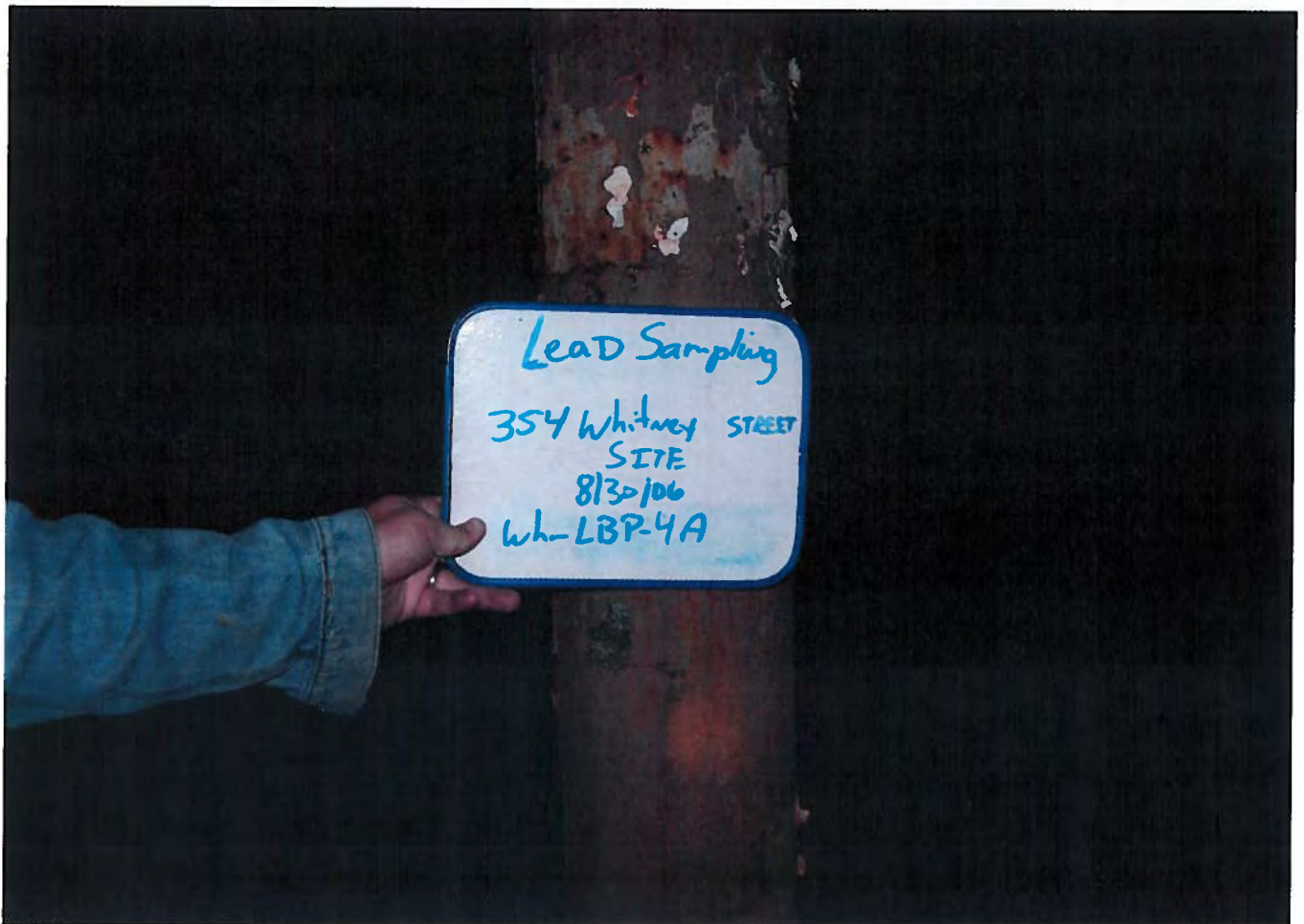
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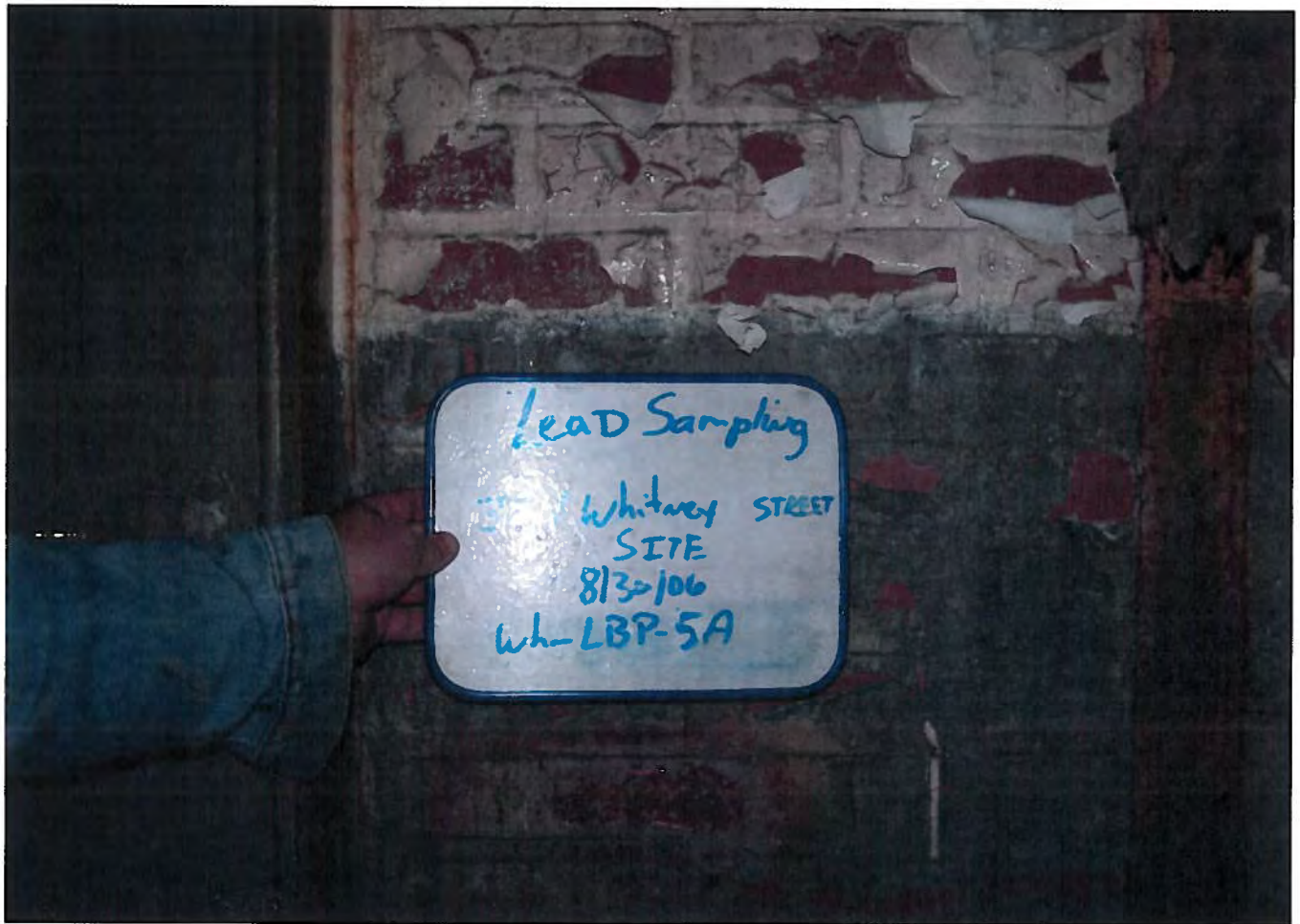
*Photo Identification Sheets*

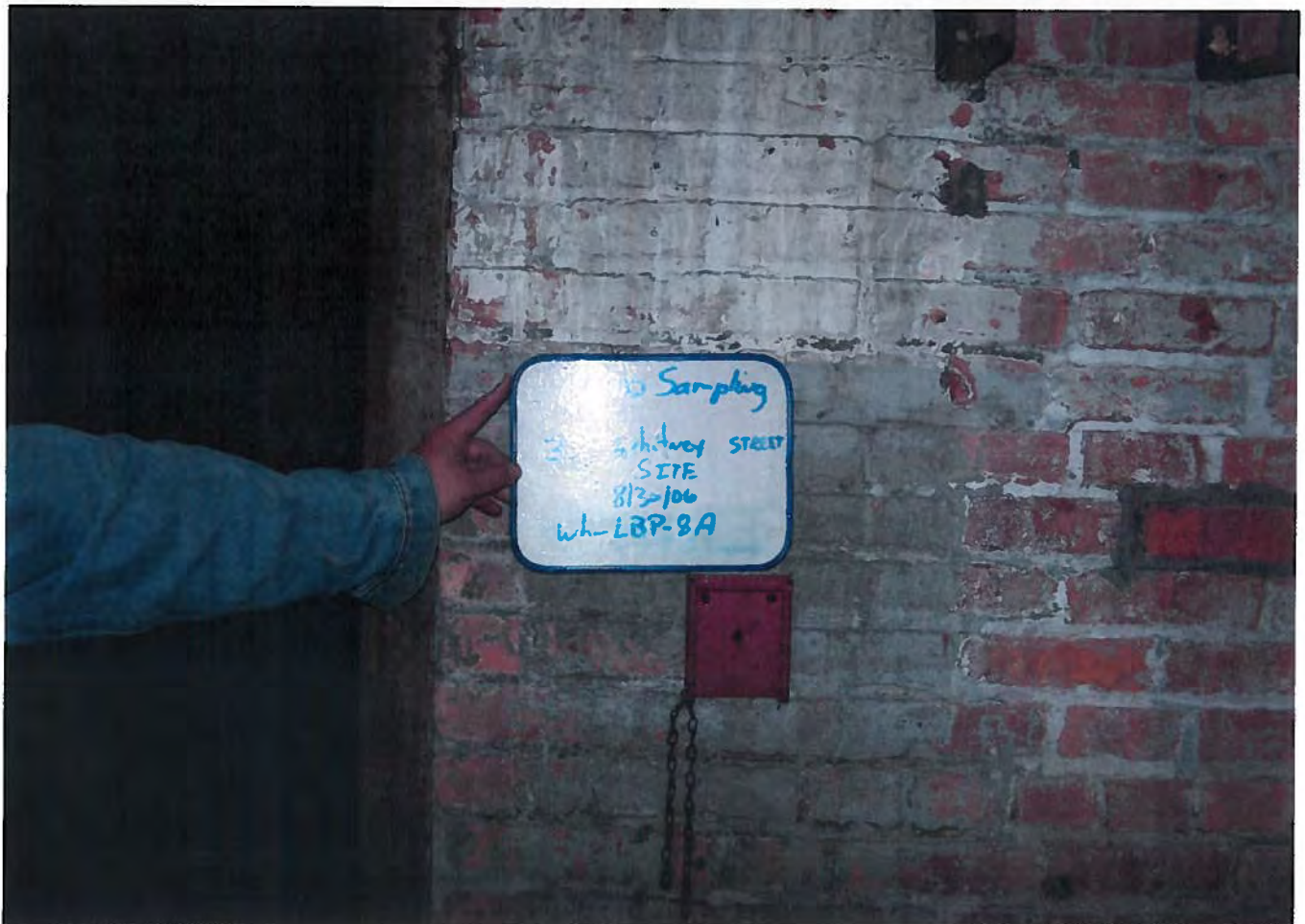
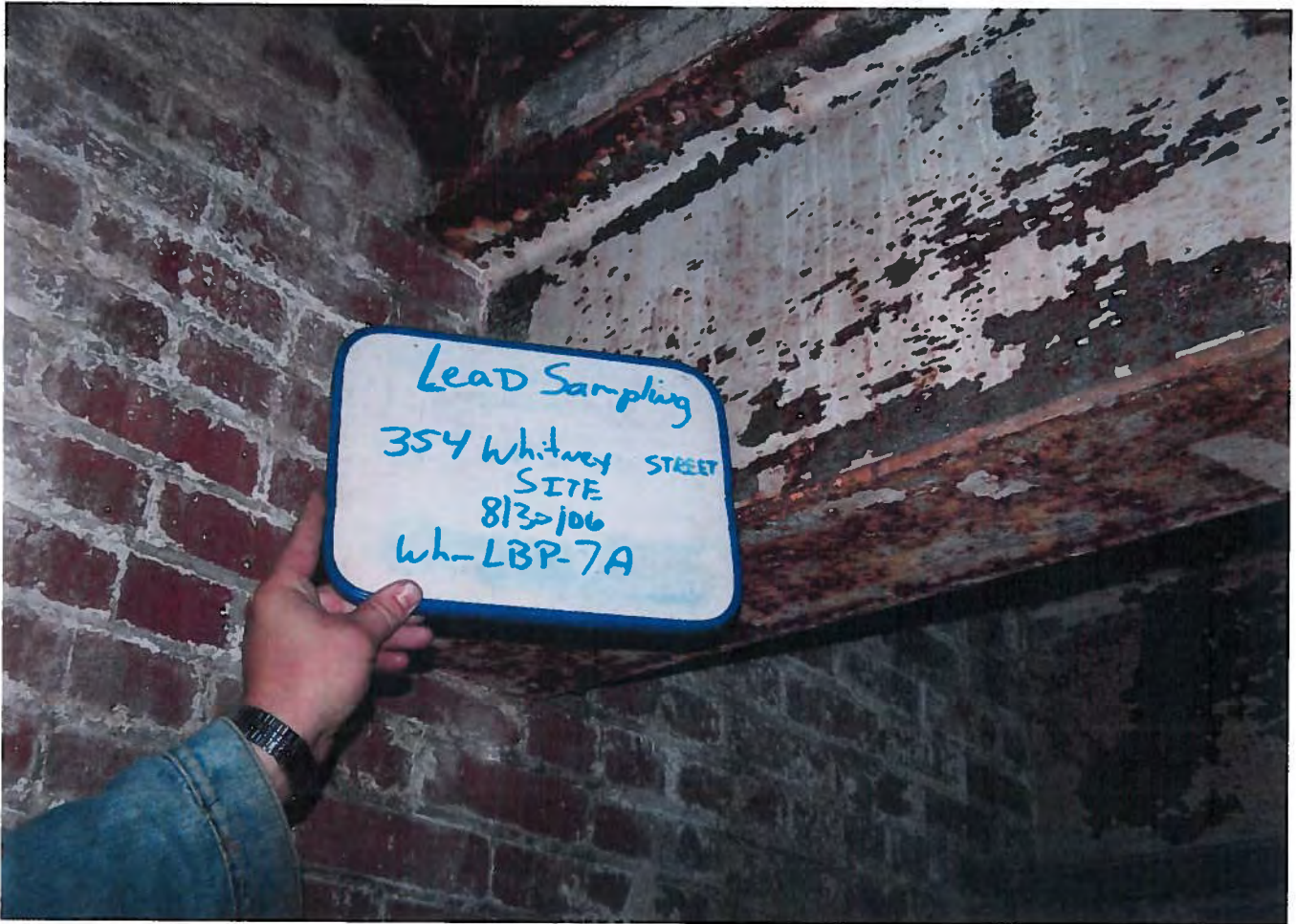
**LIMITED LEAD INSPECTION**

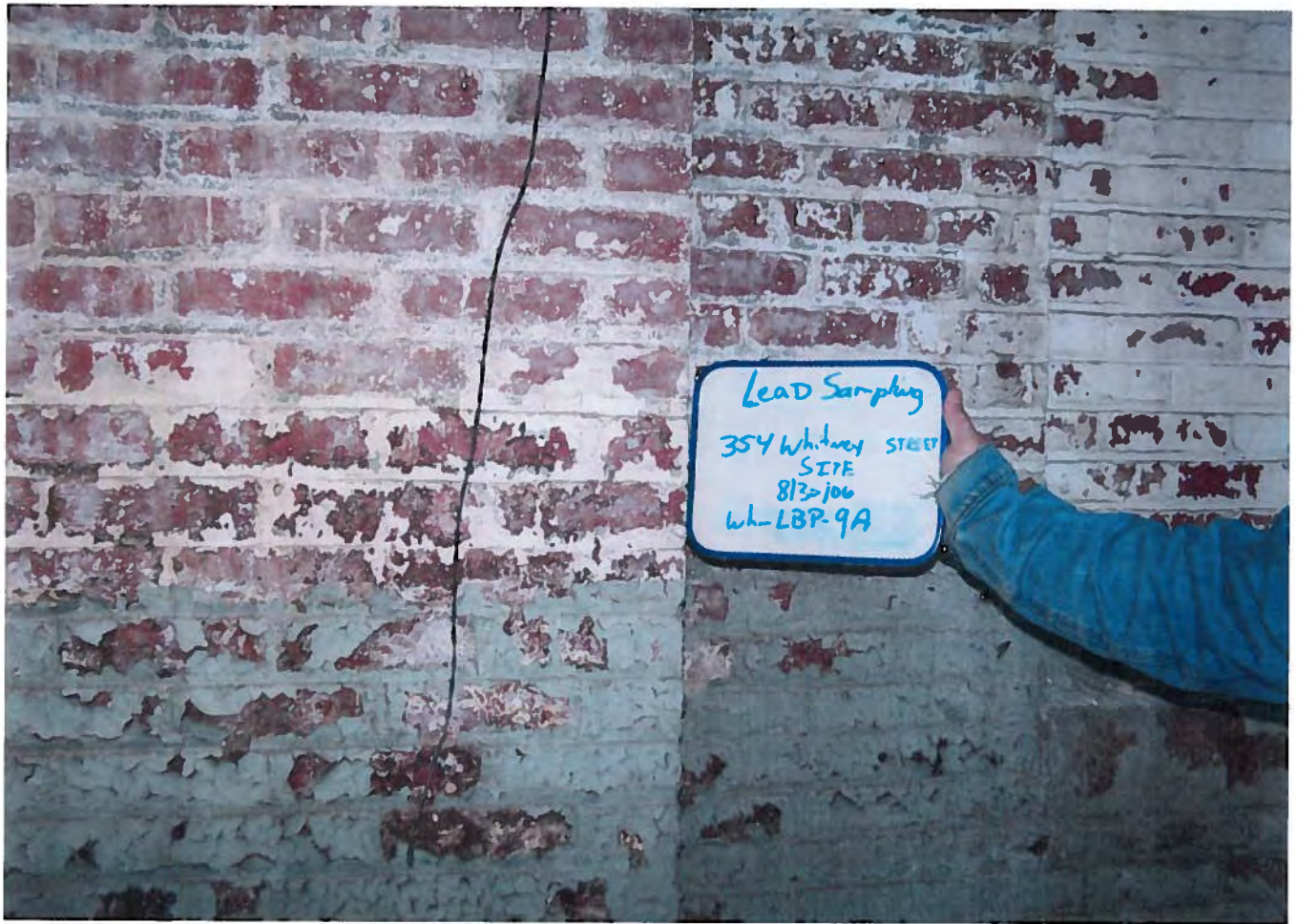
ABANDONED PROPERTY LOCATED AT  
354 WHITNEY STREET  
ROCHESTER, NEW YORK







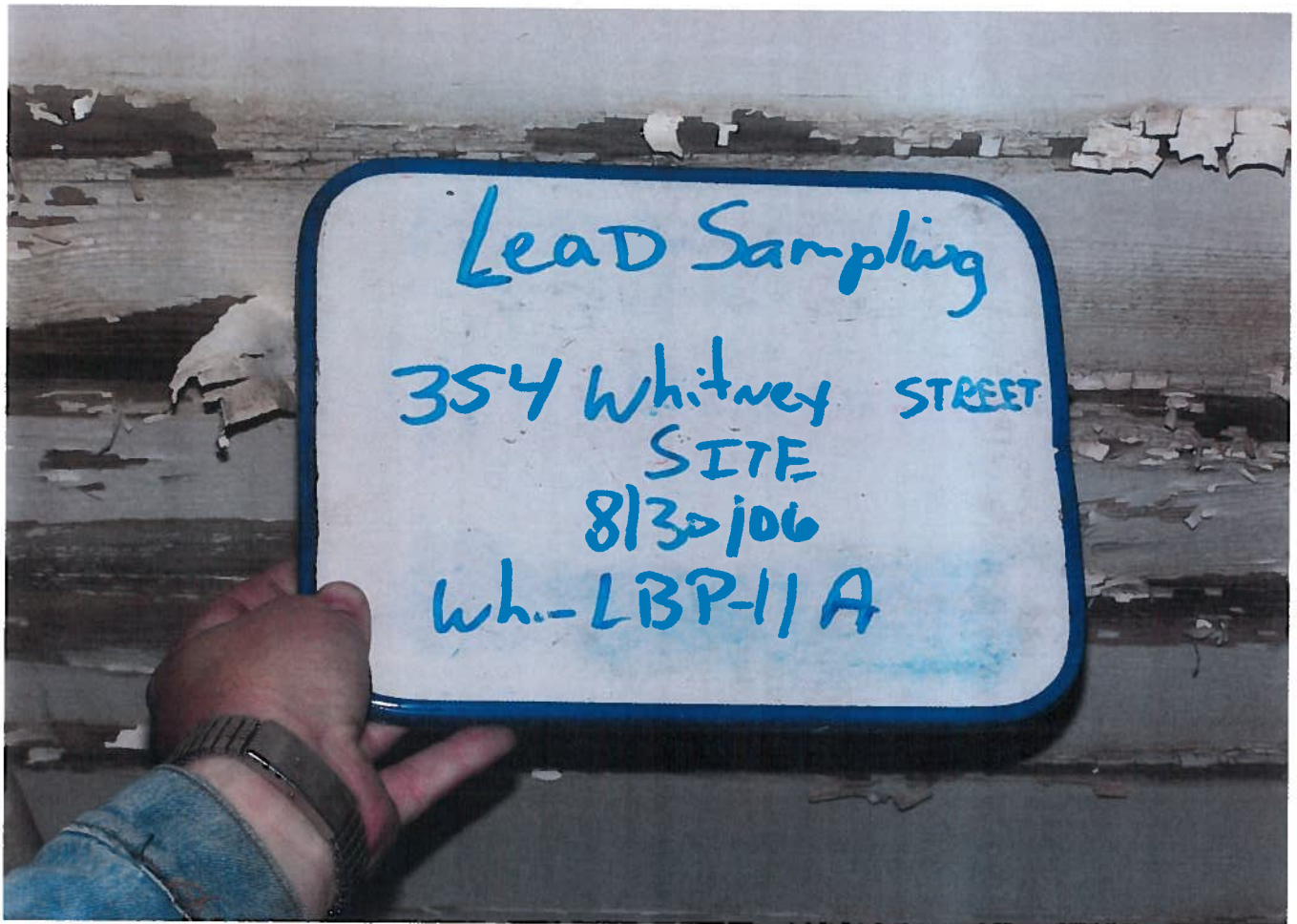




Lead Sampling  
354 Whitney STREET  
SITE  
813-106  
Wh-LBP-9A



Lead Sampling  
354 Whitney STREET  
SITE  
813-106  
Wh-LBP-10A

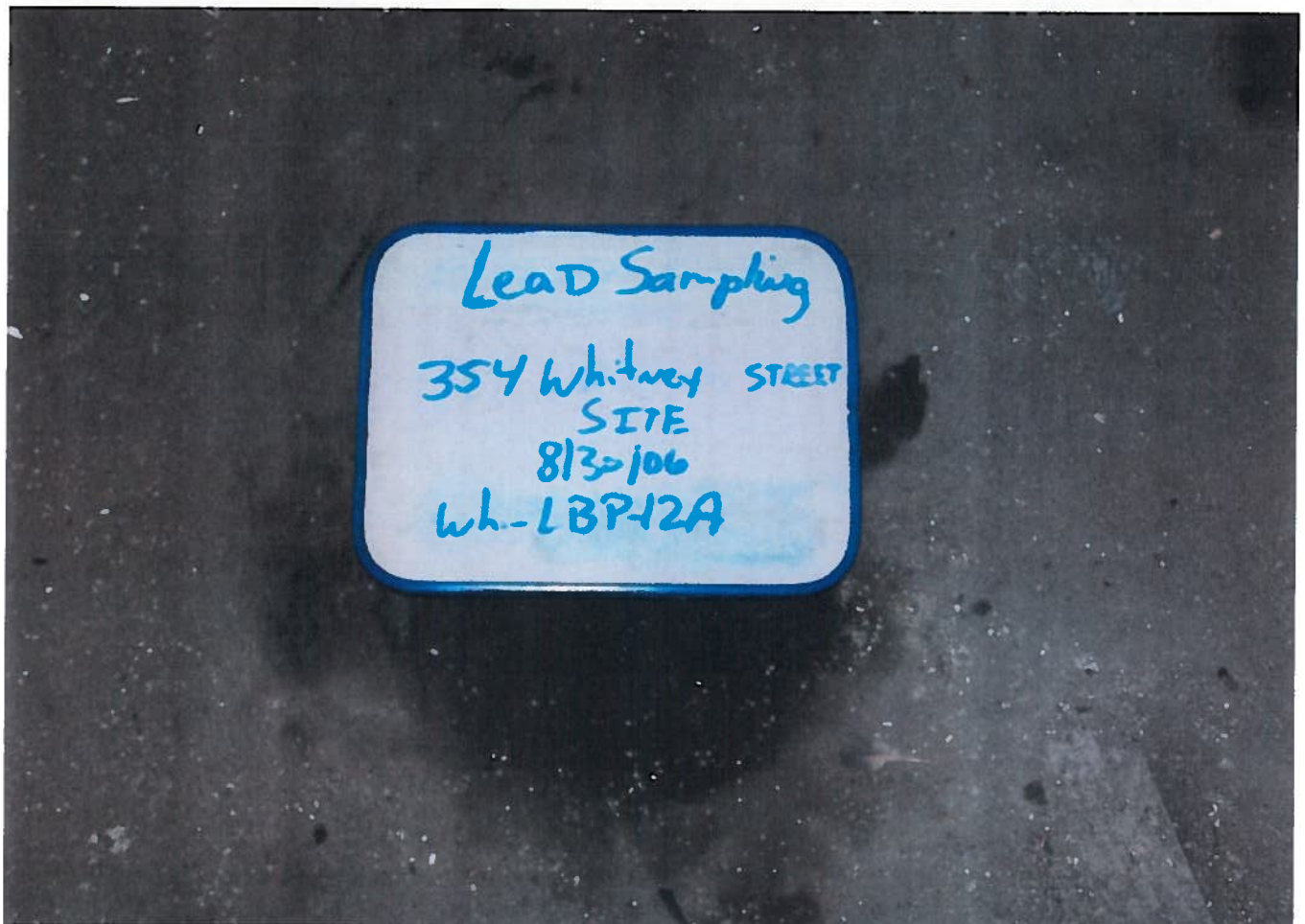


Lead Sampling

354 Whitney STREET  
SITE

8/30/06

Wh.-LBP-11A



Lead Sampling

354 Whitney STREET  
SITE

8/30/06

Wh.-LBP-12A





Abandoned Property Located At  
415 Orchard Street  
Rochester, New York 14606

**LIMITED LEAD INSPECTION  
Technical Memorandum**



Prepared for:



CITY OF ROCHESTER  
Department of Environmental Services  
City Hall, Room 300-B  
30 Church Street  
Rochester, New York 14614

Prepared by:



2230 Penfield Road  
Penfield, New York 14526

November 2006

# **TECHNICAL MEMORANDUM**

**TO:** City of Rochester, Department of Environmental Services  
City Hall, Room 300-B  
30 Church Street  
Rochester, New York 14614

**ATTN:** Jane Forbes  
Environmental Specialist

**FROM:** Roy Green, Lu Engineers  
Project Engineer

**DATE:** November 27, 2006

**RE:** Limited Lead Inspection  
415 Orchard Street  
Rochester, New York 14606  
Lu Project No. 4216

---

## **INTRODUCTION**

Lu Engineers was contracted by the City of Rochester to provide a limited lead inspection of the 415 Orchard Street site. The structures located on the property require demolition to facilitate the Brownfield cleanup and site redevelopment.

The inspection included the main 7-story building as well as the one-story addition and included only a cursory inspection to determine if lead was present in dust or in painted surfaces. The limited lead inspection included only the above grade portions of the buildings and did not include the tunnels known to exist under the buildings.

## **LEAD SAMPLING**

An EPA-certified Lead Risk Assessor from Lu Engineers conducted the limited inspection for this project on August 30, 2006. Several surfaces with damaged paint were sampled for lead content. In addition, one lead dust wipe sample was collected from floor adjacent to an area with damaged paint. A total of ten (10) lead paint chip samples and one (1) lead dust wipe sample were collected. In addition, one (1) lead dust wipe control sample was collected. The sample locations are indicated on the lead bulk sample location sketches included in Attachment A.

The samples were submitted to AMA Analytical Services, Inc., an ELAP-, NVLAP- and AIHA-certified laboratory. A copy of Lu Engineers' license and risk assessor certification, as well as AMA's laboratory credentials is included in Attachment B.

## LIMITATIONS

The sampling for the lead risk assessment was limited to eleven (11) total samples plus one (1) field blank. Not all building components with damaged painted surfaces were sampled for the presence of Lead. A comprehensive lead inspection was not conducted.

## RESULTS

The following table summarizes the lead sampling results:

<b>Sample #</b>	<b>Building Component / Location</b>	<b>Type of Sample</b>	<b>Results</b>
ORC-LBP-1A	1 <sup>ST</sup> Floor, East Stairwell, Wall	Paint Chip	0.085%
<i>ORC-LBP-2A</i>	<i>2<sup>ND</sup> Floor, Column By Elevator</i>	<i>Paint Chip</i>	<i>0.56%</i>
<i>ORC-LBP-3A</i>	<i>3<sup>RD</sup> Floor, SW Stairwell, Window Sill</i>	<i>Paint Chip</i>	<i>1.1%</i>
ORC-LBP-4A	4 <sup>TH</sup> Floor, East Wall, Column	Paint Chip	0.22%
ORC-LBP-5A	5 <sup>TH</sup> Floor, North Wall Center, Wall Behind Enclosure	Paint Chip	0.24%
ORC-LBP-6A	6 <sup>TH</sup> Floor, Above SE Elevator, Ceiling	Paint Chip	0.086%
<i>ORC-LBP-7A</i>	<i>7<sup>TH</sup> Floor, West Wall Window Frame</i>	<i>Paint Chip</i>	<i>0.67%</i>
<i>ORC-LBP-8A</i>	<i>1<sup>ST</sup> Floor, One Story Addition, Center Column</i>	<i>Paint Chip</i>	<i>6%</i>
<i>ORC-LBP-9A</i>	<i>1<sup>ST</sup> Floor, One Story Addition, Column</i>	<i>Paint Chip</i>	<i>1.2%</i>
ORC-LBP-10A	1 <sup>ST</sup> Floor, One Story Addition, Wall	Paint Chip	<0.011%
<i>ORC-LBP-11A</i>	<i>1<sup>ST</sup> Floor, One Story Addition, Floor</i>	<i>Dust Wipe</i>	<i>3200 ug/ft<sup>2</sup></i>
ORC-LBP-12A	Field Blank	Blank	<12 ug/ft <sup>2</sup>

According to the United States Environmental Protection Agency (EPA), paint or other surface coating is considered lead based if the concentration of lead is equal or greater than 0.5% by weight.

Five (5) of the ten (10) paint chip samples collected are considered lead based paint per EPA standards. Any surface coating or building component not sampled for lead must be treated as a lead based paint.

According to the Occupational Safety and Health Administration (OSHA), lead means metallic lead, all inorganic lead compounds and organic soaps with any concentrations of lead. Therefore, all paint samples collected are considered lead containing per OSHA standards.

According to current EPA Standards (40 CFR Part 745) and HUD guidelines, the following are recognized lead dust hazard levels for child occupied facilities, target housing, and for renovation / rehabilitation projects that involve federal monies.

<b>Surface</b>	<b>Lead Dust Hazard Level</b>
Bare and Carpeted Floor Surfaces	< 40 µg/ft <sup>2</sup>

Since this facility is not a child occupied facility, target housing, and is not a rehabilitation project involving federal monies, this lead dust hazard level is provided ONLY for comparison.

The lead dust wipe sample had an extremely high level of lead dust, indicative of major lead paint deterioration and damage typical of the conditions for this site.

A copy of the lead certificate of analysis from AMA Analytical Services, Inc. and the chain of custody is included in Attachment C.

### **LEAD HAZARDS**

Due to the abandoned nature of the buildings on the site, all painted surfaces are significantly damaged creating a potential lead hazard for workers who would be tasked with asbestos abatement or demolition.

Photo identification sheets are included in Attachment D. These photos show the condition of the painted surfaces at the time of sampling.

### **RECOMMENDATIONS**

Since the buildings located on the site are scheduled for demolition, it is recommended that all demolition contractors follow OSHA Standard 29 CFR 1926.62 relating to lead.

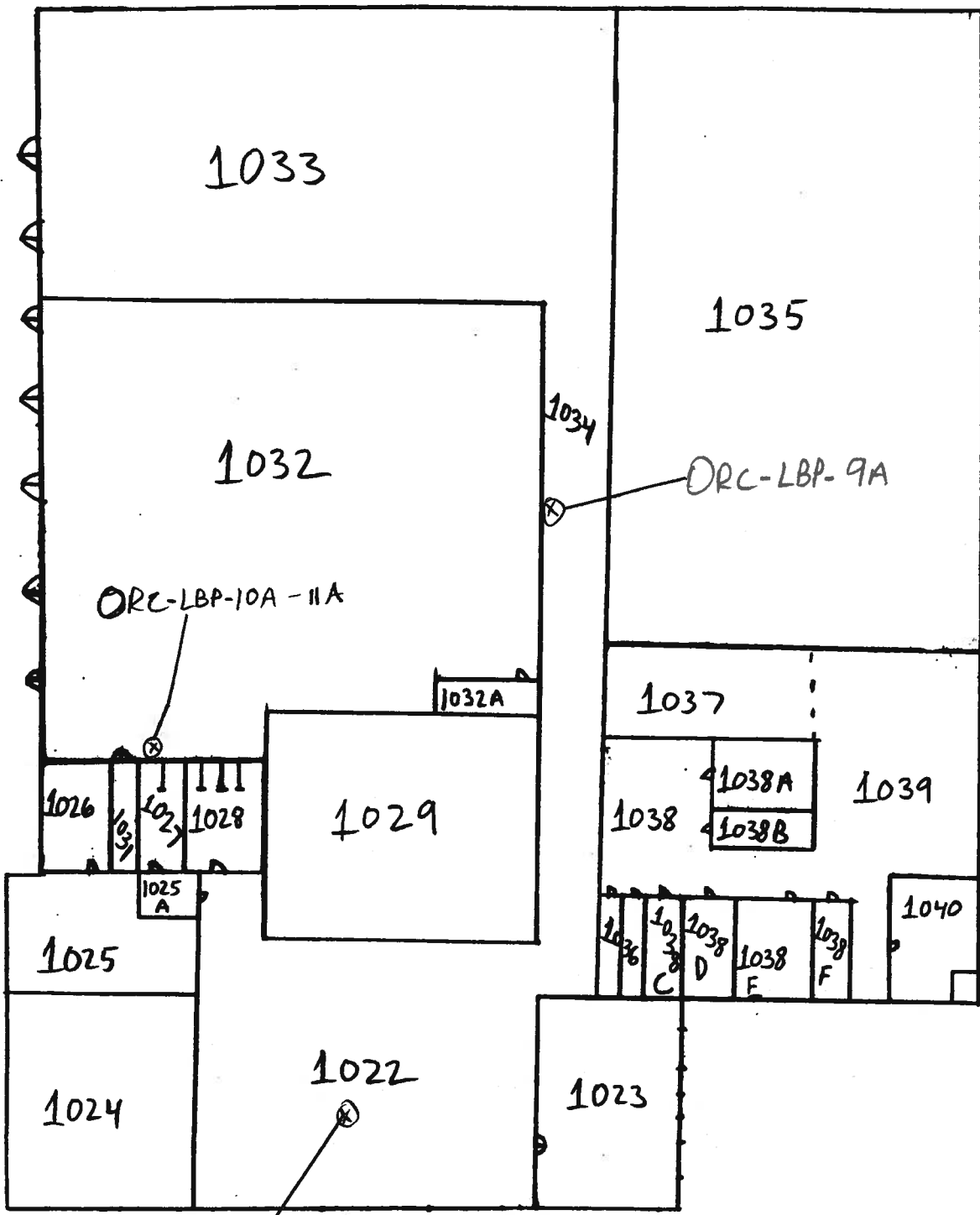
In addition, it is recommended that prior to disposal of any demolition wastes, Contractors should test the waste for toxicity in accordance with EPA Method 1311, Toxicity Characteristic Leaching Procedure (TCLP). If test results indicate a value greater than 5-mg/L, the demolition debris would be classified as a hazardous waste and should be disposed of accordingly.

# **ATTACHMENT A**

## *Lead Bulk Sample Location Sketches*

### **LIMITED LEAD INSPECTION**

ABANDONED PROPERTY LOCATED AT  
415 ORCHARD STREET  
ROCHESTER, NEW YORK



ORC-LBP-8A  
 1ST FLOOR (1 STORY ADDITION)

Lu Project #: 4216

**LU ENGINEERS**  
 Civil and Environmental

Sketch Is Not Drawn To Scale

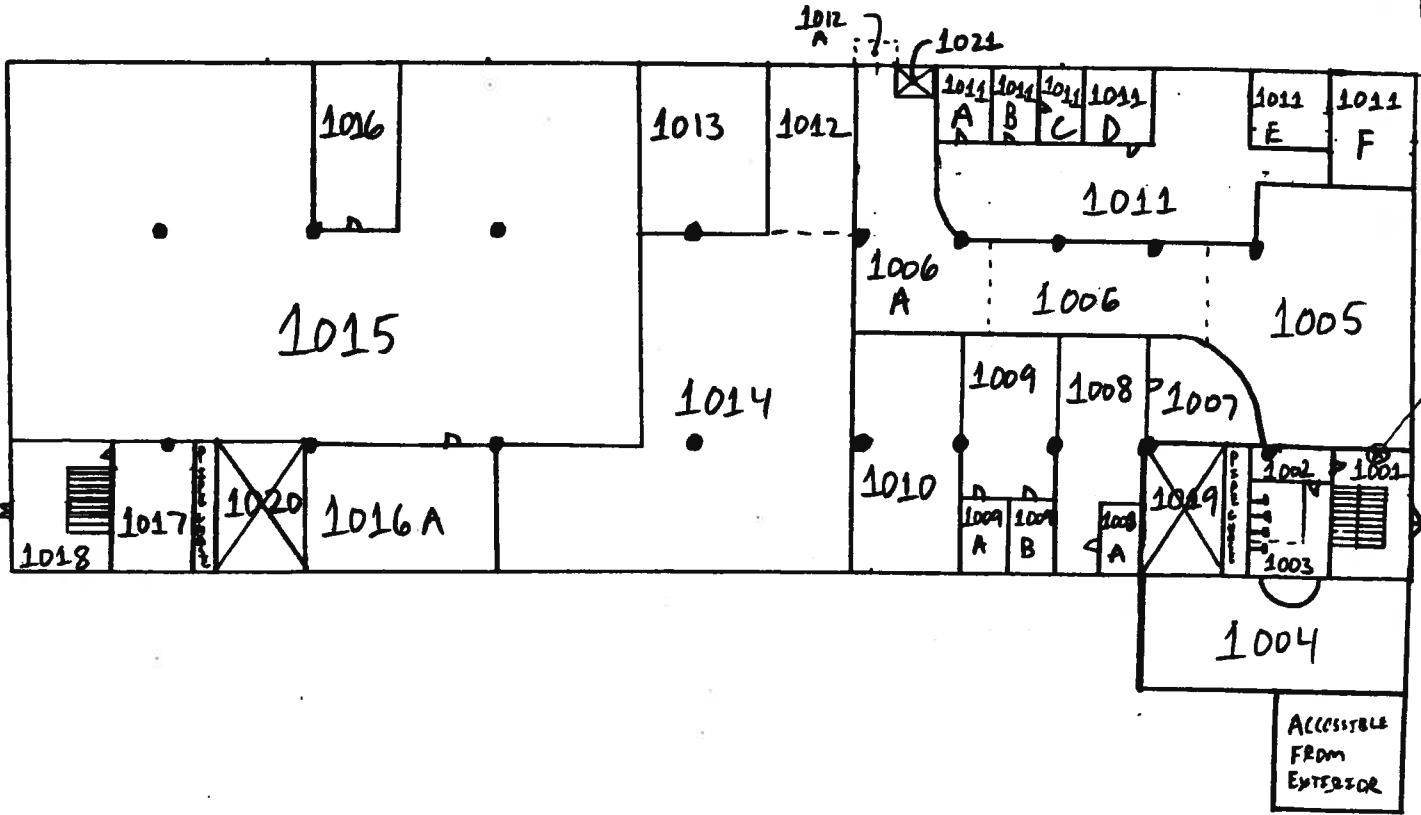
**LEAD BULK SAMPLE LOCATION SKETCH**

415 Orchard Street  
 Rochester, New York 14606

**Pre-demolition Technical Memorandum**



ORC-LBP-1A



### 1ST FLOOR (MAIN BUILDING)

Lu Project #: 4216

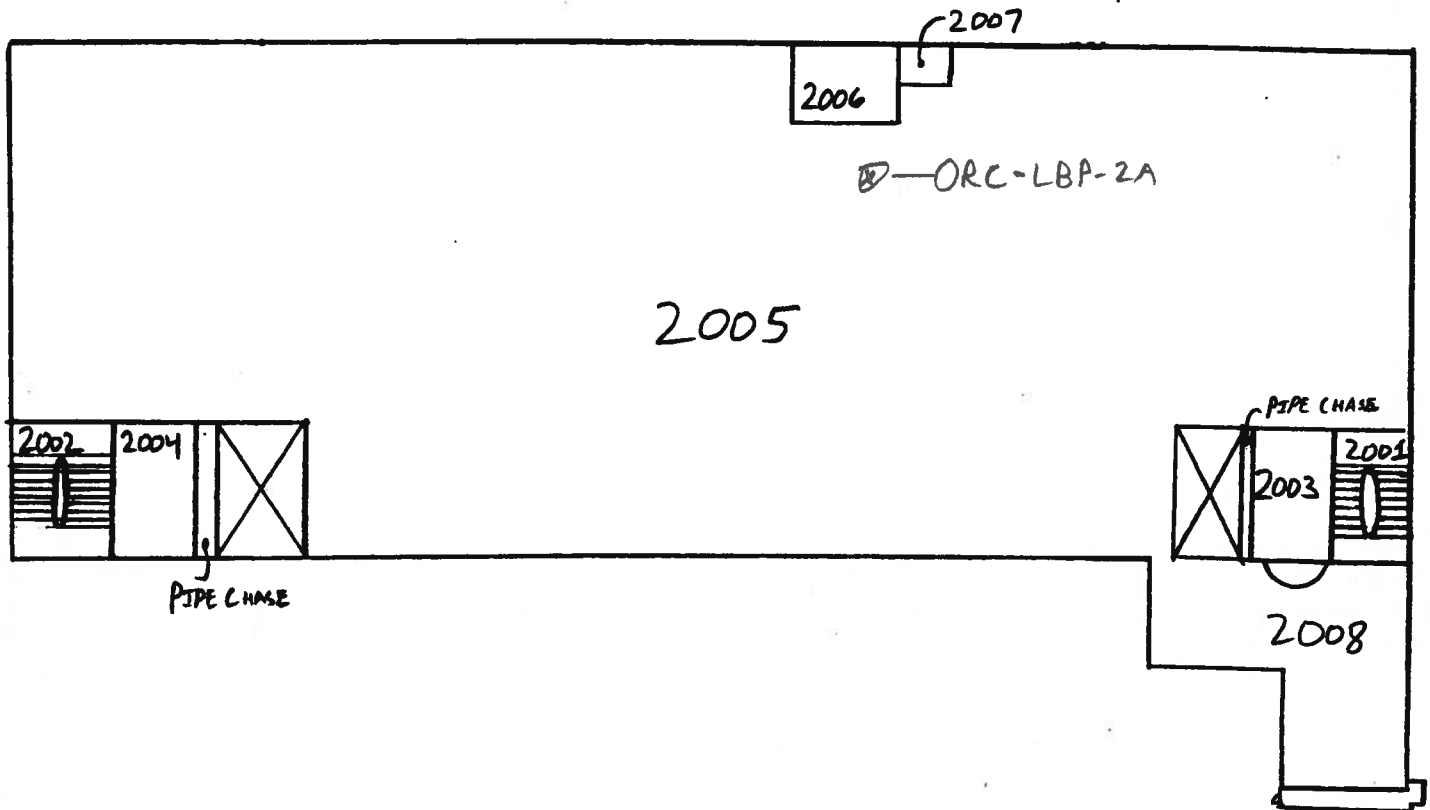


### LEAD BULK SAMPLE LOCATION SKETCH

415 Orchard Street  
Rochester, New York 14606

Sketch Is Not Drawn To Scale

### Pre-demolition Technical Memorandum



2ND FLOOR (MAIN BUILDING)

Lu Project #: 4216



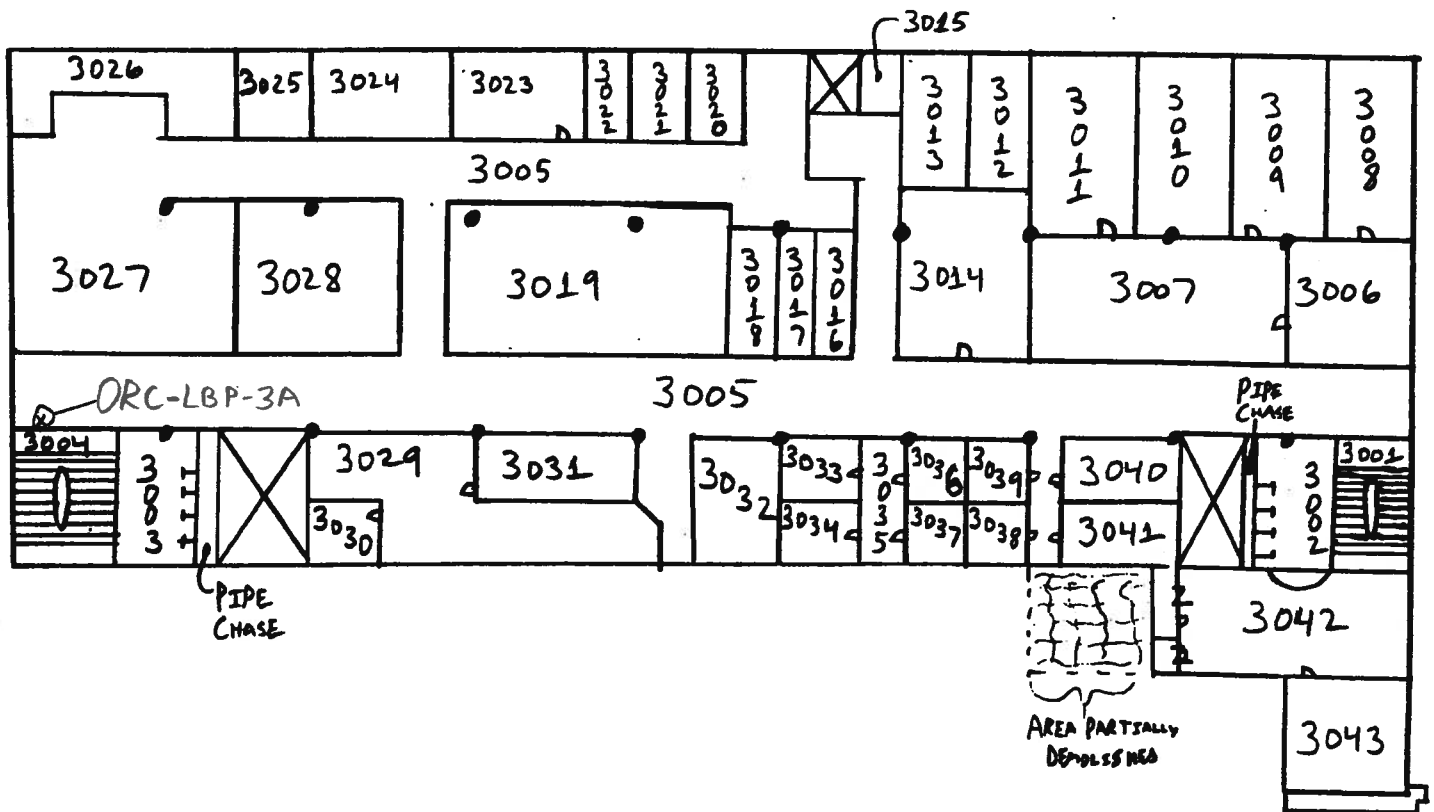
Sketch Is Not Drawn To Scale

**LEAD BULK SAMPLE LOCATION SKETCH**

415 Orchard Street  
Rochester, New York 14606

**Pre-demolition Technical Memorandum**





### 3RD FLOOR (MAIN BUILDING)

Lu Project #: 4216

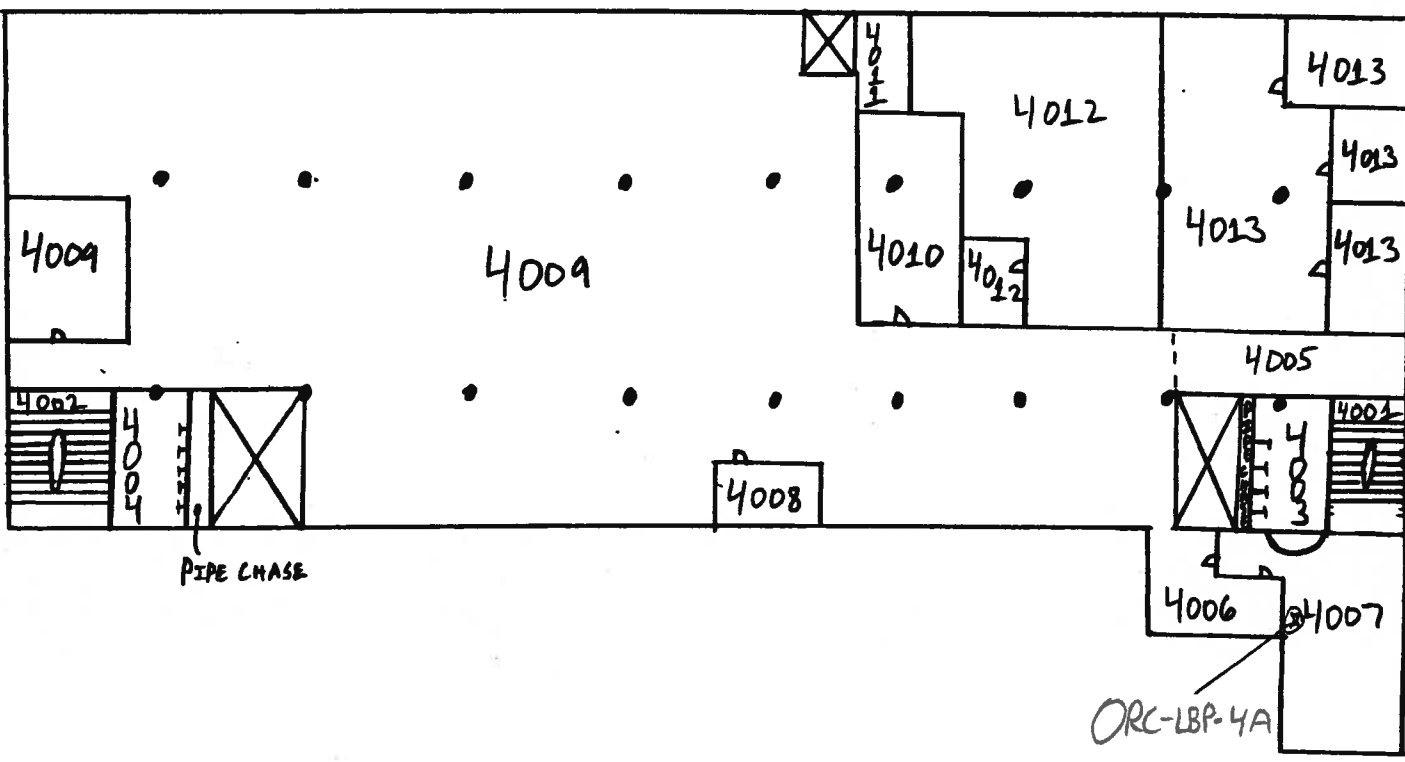


Sketch Is Not Drawn To Scale

### LEAD BULK SAMPLE LOCATION SKETCH

415 Orchard Street  
Rochester, New York 14606

**Pre-demolition Technical Memorandum**



4TH FLOOR (MAIN BUILDING)

Lu Project #: 4216



Sketch Is Not Drawn To Scale

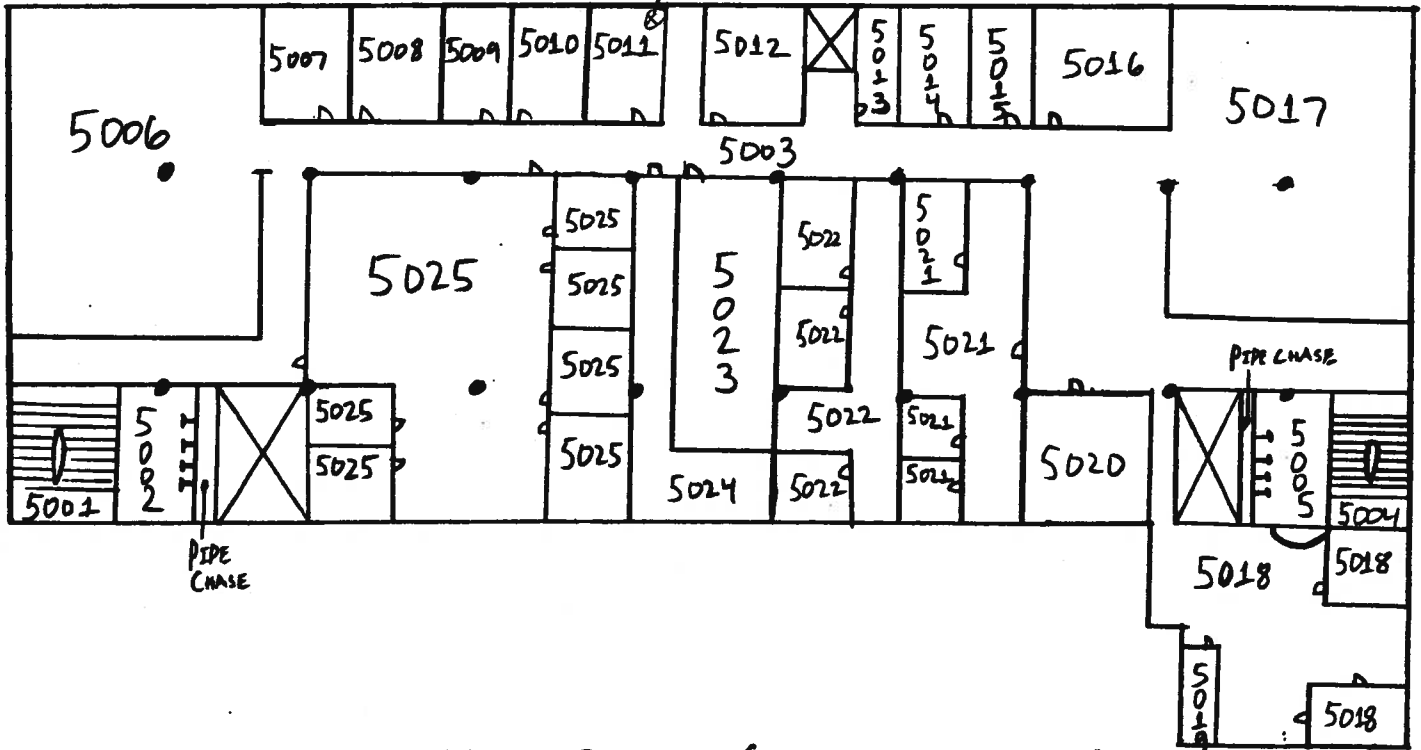
LEAD BULK SAMPLE LOCATION SKETCH

415 Orchard Street  
Rochester, New York 14606

Pre-demolition Technical Memorandum



ORC-LBP-5A



Lu Project #: 4216

### 5TH FLOOR (MAIN BUILDING)

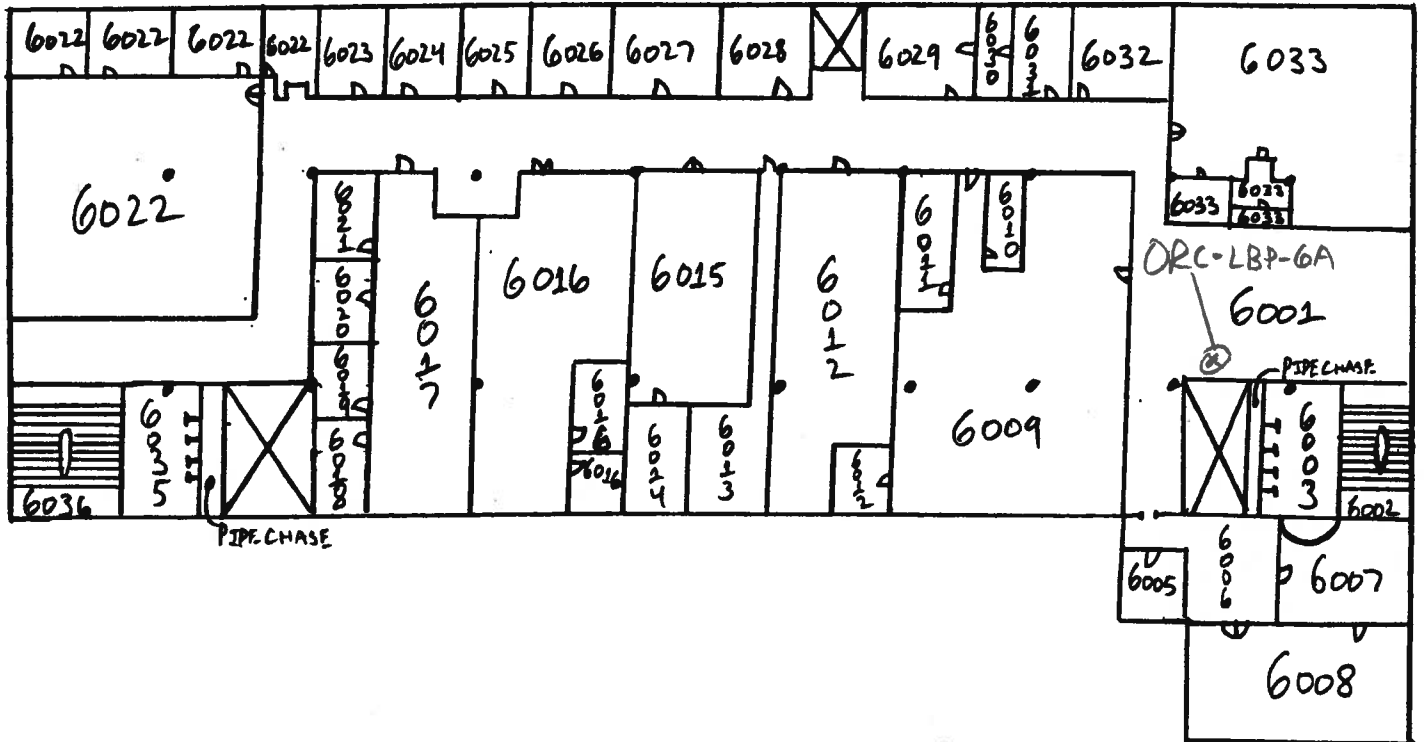


### LEAD BULK SAMPLE LOCATION SKETCH

415 Orchard Street  
Rochester, New York 14606

Sketch Is Not Drawn To Scale

*Pre-demolition Technical Memorandum*



6TH FLOOR (MAIN BUILDING)

Lu Project #: 4216



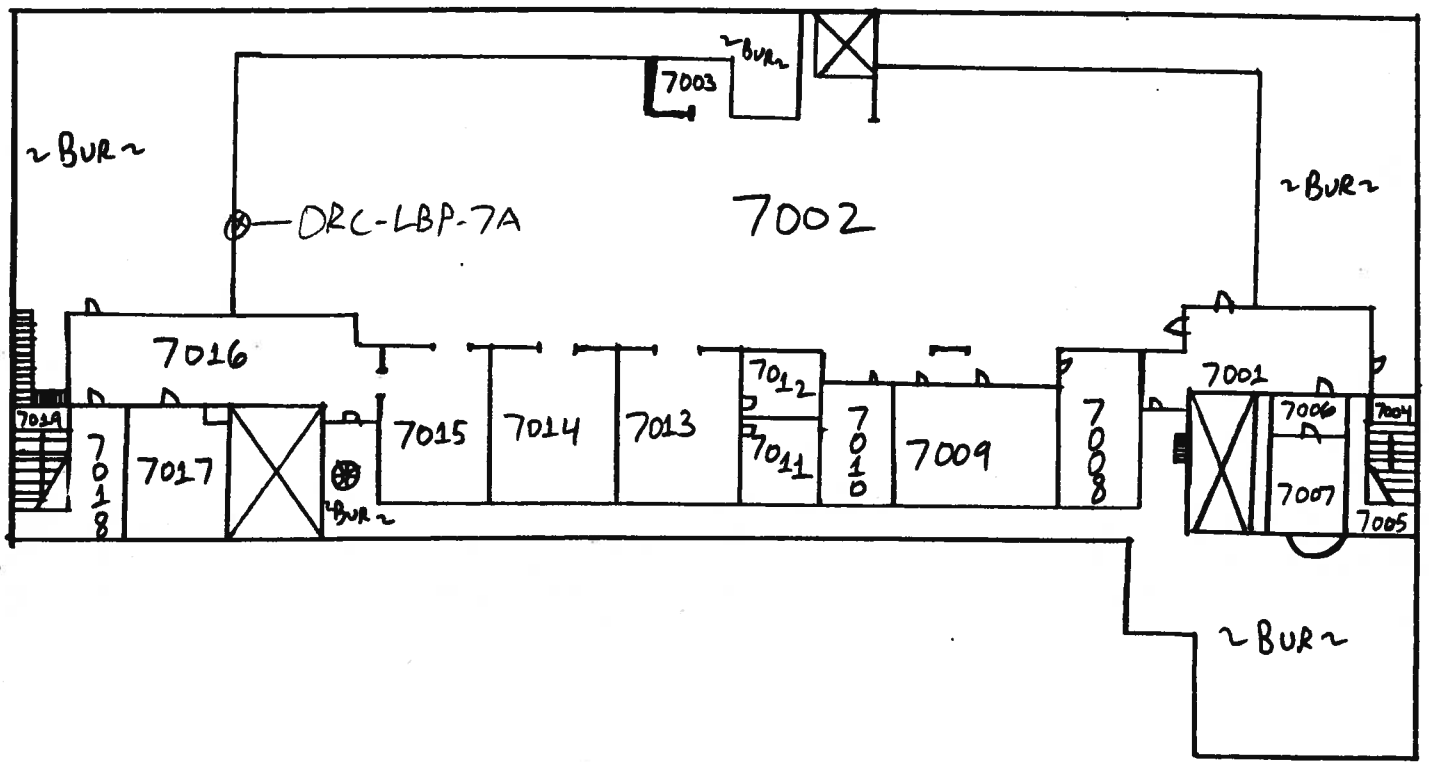
**LU ENGINEERS**  
Civil and Environmental

Sketch Is Not Drawn To Scale

**LEAD BULK SAMPLE LOCATION SKETCH**

415 Orchard Street  
Rochester, New York 14606

**Pre-demolition Technical Memorandum**



7TH FLOOR (MAIN BUILDING)

Lu Project #: 4216



**LEAD BULK SAMPLE LOCATION SKETCH**

415 Orchard Street  
Rochester, New York 14606

Sketch Is Not Drawn To Scale

**Pre-demolition Technical Memorandum**

# **ATTACHMENT B**

*License, Certification and  
Laboratory Credentials*

**LIMITED LEAD INSPECTION**

ABANDONED PROPERTY LOCATED AT  
415 ORCHARD STREET  
ROCHESTER, NEW YORK

# United States Environmental Protection Agency

This is to certify that

Joseph S. Lu Engineering & Land Surveying, P.C.  
2290 Penfield Rd, Penfield, New York 14536

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402(a)(1), and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.26.

In the Jurisdiction of:

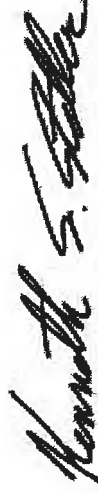
New York

This certification is valid from the date of issuance and expires August 1, 2009

NY-2184-1

Certification #  
NOV 14 2005

Issued On



Kenneth S. Stoller, P.E., QEP, DEE, Chief  
Pesticides & Toxic Substances Branch



**New York  
RISK ASSESSOR**



**Certified Lead-Based  
Paint Professional**

<b>Certification No NY-R-4811-1</b>	
<b>Date of Birth</b> <del>08/28/1976</del>	<b>Expiration Date</b> <b>09/19/2009</b>
<b>Address</b> .	
<b>Badge Holder's Name</b> <b>Roy C Green</b>	
<b>Badge Holder's Signature</b> <i>Roy C. Green</i>	

If found, drop in any mailbox  
Postmaster: Please return to:  
**US EPA**  
1200 Pennsylvania Ave, NW  
(MC-74040T)  
Washington, DC 20460  
or call 1-800-424-LEAD





# United States Environmental Protection Agency

This is to certify that

Roy C Green

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402(a)(1) and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.726 as a:

Risk Assessor

In the Jurisdiction of:

New York

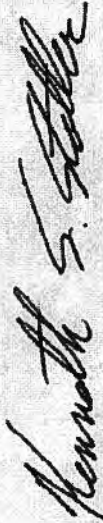
This certification is valid from the date of issuance and expires September 19, 2009

NY-R-4511-1

Certification #

**MAR - 8 2006**

Issued On



Kenneth S. Stoller, P.E., QEP, DEE, Chief  
Pesticides & Toxic Substances Branch



**DOH** STATE OF NEW YORK  
DEPARTMENT OF HEALTH

Wadsworth Center The Governor Nelson A. Rockefeller Empire State Plaza P.O. BOX 509 Albany, New York 12201-0509

Antonia C. Novello, M.D., M.P.H., Dr.P.H.  
*Commissioner*

Dennis P. Whalen  
*Executive Deputy Commissioner*

LAB ID: 10920

April 03, 2006

MR. G EDWARD CARNEY  
AMA ANALYTICAL SERVICES INC  
4475 FORBES BLVD  
LANHAM, MD 20706

Certificate Expiration Date: April 01, 2007

Dear Mr. Carney,

Enclosed are the ELAP and/or NELAP Certificate(s) of Approval issued to your environmental laboratory for the current permit year. The Certificate(s) supersede any previously issued and is(are) in effect through the expiration date listed above. Please carefully examine the Certificate(s) to insure that the categories, subcategories, analytes and methods for which your laboratory is approved are listed correctly, as well as verifying your laboratory's name, address, lead technical director and identification number.

Pursuant to regulation (Part 55-2 NYCRR), original certificates must be posted conspicuously in the laboratory and shall, upon request, be made available to any client of the laboratory. Certificates remain the property of the New York State Department of Health and must be surrendered promptly on demand.

Please note, pursuant to Section 55-2.5(a) NYCRR, any misrepresentation of the Fields of Accreditation (Matrix - Method - Analyte) for which your laboratory is approved may result in denial, suspension, or revocation of your certification. Any use of the ELAP or NELAP name, reference to the laboratory's approval status and/or using the NELAC/NELAP logo in any catalogs, advertising, business solicitations, proposals, quotations, laboratory analytical reports or other materials must include the laboratory's ELAP identification number, and must distinguish between proposed testing for which the laboratory is approved and the proposed testing for which the laboratory is not approved.

Please notify the ELAP office of any changes you feel need to be made to your Certificate(s). We may be reached via email to [elap@health.state.ny.us](mailto:elap@health.state.ny.us) or by calling (518) 485-5570.

Sincerely,



Joyce Reilly

Program Administrator  
Environmental Laboratory  
Approval Program

---

NYS DOH - Wadsworth Center - ELAP - PO BOX 509 - Albany NY 12201-0509

Phone: (518) 485-5570

[www.wadsworth.org/labcert](http://www.wadsworth.org/labcert)

Fax: (518) 485-5568

**NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER**

*Antonia C. Novello, M.D., M.P.H., Dr.P.H.*



Expires 12:01 AM April 01, 2007  
Issued April 1, 2006

**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

*Issued in accordance with and pursuant to section 502 Public Health Law of New York State*

**MR. G EDWARD CARNEY  
AMA ANALYTICAL SERVICES INC  
4475 FORBES BLVD  
LANHAM, MD 20706**

**NY Lab Id No: 10920  
EPA Lab Code: MD00084**

*is hereby APPROVED as an Environmental Laboratory for the category  
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE  
All approved subcategories and/or analytes are listed below:*

**Miscellaneous**

Asbestos in Friable Material	EPA 600/M4/82/020
Asbestos in Non-Friable Material-TEM	ITEM 198.4 OF MANUAL
Lead in Dust Wipes	EPA 7420
Lead in Paint	EPA 7420

**Serial No.: 29206**

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.



# The American Industrial Hygiene Association



## AMA Analytical Services, Inc.

4475 Forbes Boulevard, Lanham, MD 20706

Laboratory ID: 100470

has fulfilled the requirements of the AIHA Laboratory Quality Assurance Programs (LQAP), thereby, conforming to the ISO/IEC 17025 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories*. The above named laboratory has been accredited by AIHA in the following:

### ACCREDITATION PROGRAMS

- ✓ INDUSTRIAL HYGIENE      Accreditation Expires: 07/01/2008
- ✓ ENVIRONMENTAL LEAD      Accreditation Expires: 07/01/2008
- ENVIRONMENTAL MICROBIOLOGY      Accreditation Expires:
- FOOD      Accreditation Expires:
- UNIQUE SCOPE      Accreditation Expires:

Specific categories of testing, within each Accreditation Program, for which the above named laboratory maintains accreditation is outlined on the attached Scope of Accreditation. Continued accreditation is contingent upon successful on-going compliance with LQAP requirements. This certificate is not valid without the attached Scope of Accreditation.

Larry S. Pierce, PhD, CIH  
Chairperson, Analytical Accreditation Board

Donna M. Doganiero, CIH  
President, AIHA

Date Issued: 03/04/2005





**SOUND DATA**

**LABORATORY QUALITY ASSURANCE PROGRAMS**

**AIHA**

*Your Essential Connection: Advancing Occupational and Environmental Health and Safety Globally*

2700 Prosperity Ave., Suite 250, Fairfax, VA 22031 U.S.A.  
(703) 849-8888; Fax (703) 207-3561; www.aiha.org

## AIHA Laboratory Quality Assurance Programs SCOPE OF ACCREDITATION

**AMA Analytical Services, Inc.**  
4475 Forbes Boulevard, Lanham, MD 20706

Laboratory ID: 100470  
Issue Date: 03/04/2005

Clients are urged to verify the laboratory's accreditation status for particular categories of testing. A complete listing of currently accredited Industrial Hygiene laboratories is available on the AIHA website at <http://www.aiha.org/LaboratoryServices/html/lists.htm>

The "✓" symbol indicates that the laboratory is approved for that specific field(s) of testing within the Scope Category. A list of current analytical methods covering the scopes for which the laboratory is accredited shall be available to customers and the accreditation body from the laboratory upon request.

✓ **IHLAP** Initial Accreditation Date: 03/01/1984

**Inorganics**

- Ion Chromatography
- Atomic Absorption & Emission
- ICP, DCP, ICP-MS
- Infra-Red (IR)
- UV/VIS
- Gravimetric
- Titrimetric
- Ion-Selective Electrode (ISE)
- XRD

**Compressed Air**

- GC
- GC/MS
- Gravimetric
- UV/VIS
- IR

**Organics**

- GC
- IR
- LC
- GC/MS
- UV/VIS
- Gravimetric

**Asbestos**

- Air**
- ✓  Optical Microscopy
  - Electron Microscopy
- Bulk**
- Optical Microscopy
  - Electron Microscopy



**SOUND DATA**

**LABORATORY QUALITY ASSURANCE PROGRAMS**

**AIHA**

*Your Essential Connection: Advancing Occupational and Environmental Health and Safety Globally*

2700 Prosperity Ave., Suite 250, Fairfax, VA 22031 U.S.A.  
(703) 849-8888; Fax (703) 207-3561; [www.aiha.org](http://www.aiha.org)

## AIHA Laboratory Quality Assurance Programs SCOPE OF ACCREDITATION

**AMA Analytical Services, Inc.**  
4475 Forbes Boulevard, Lanham, MD 20706

Laboratory ID: **100470**  
Issue Date: **03/04/2005**

Clients are urged to verify the laboratory's accreditation status for particular categories of testing. A complete listing of currently accredited Environmental Lead laboratories is available on the AIHA website at <http://www.aiha.org/LaboratoryServices/html/lists.htm>

The "✓" symbol in the table below indicates that the laboratory is approved by AIHA for that specific field(s) of testing. A list of current analytical methods covering the scopes for which the laboratory is accredited shall be available to customers and the accreditation body from the laboratory upon request.

✓ **ELLAP** Initial Accreditation Date: **10/28/1996**

The EPA recognizes the AIHA ELLAP program as meeting the requirements of the National Lead Laboratory Accreditation Program (NLLAP) established under Title X of the Residential Lead-Based Paint Hazard Reduction Act of 1992 and includes paint, soil and dust wipe analysis. Air analysis is not included as part of the NLLAP.

- ✓ Paint
- ✓ Soil
- ✓ Dust
- ✓ Air

# ***ATTACHMENT C***

*Certificate of Analysis and  
Chain of Custody Form*

**LIMITED LEAD INSPECTION**

ABANDONED PROPERTY LOCATED AT  
415 ORCHARD STREET  
ROCHESTER, NEW YORK

**CERTIFICATE OF ANALYSIS**

**Client:** Lu Engineers **Job Name:** Orchard/Whitney Brownfield Inv. **Chain Of Custody:** 120292  
**Address:** 2230 Penfield Road **Job Location:** 415 Orchard Street **Date Submitted:** 9/1/2006  
 Penfield, New York 14526 **Job Number:** 4216 **Person Submitting:** Roy Green  
**P.O. Number:** Not Provided **Date Analyzed:** 9/1/2006 **Report Date:** 05-Sep-06  
**Attention:** Roy Green

**Summary of Atomic Absorption Analysis for Lead**

AMA Sample Number	Client Sample Number	Analysis Type	Sample Type	Air Volume (L)	Area Wiped (ft <sup>2</sup> )	Reporting Limit	Final Result	Comments
0680342	ORC-LBP-1A	Flame	Paint Chip	****	N/A	0.01 %Pb	0.085 %Pb	
0680343	ORC-LBP-2A	Flame	Paint Chip	****	N/A	0.01 %Pb	0.56 %Pb	
0680344	ORC-LBP-3A	Flame	Paint Chip	****	N/A	0.01 %Pb	1.1 %Pb	
0680345	ORC-LBP-4A	Flame	Paint Chip	****	N/A	0.01 %Pb	0.22 %Pb	
0680346	ORC-LBP-5A	Flame	Paint Chip	****	N/A	0.01 %Pb	0.24 %Pb	
0680347	ORC-LBP-6A	Flame	Paint Chip	****	N/A	0.01 %Pb	0.086 %Pb	
0680348	ORC-LBP-7A	Flame	Paint Chip	****	N/A	0.01 %Pb	0.67 %Pb	
0680349	ORC-LBP-8A	Flame	Paint Chip	****	N/A	0.01 %Pb	6 %Pb	
0680350	ORC-LBP-9A	Flame	Paint Chip	****	N/A	0.01 %Pb	1.2 %Pb	
0680351	ORC-LBP-10A	Flame	Paint Chip	****	N/A	0.01 %Pb	< 0.011 %Pb	
0680352	ORC-LBP-11A	Flame	Wipe	****	1.000	12.00 ug/ft <sup>2</sup>	3200 ug/ft <sup>2</sup>	
0680353	ORC-LBP-12A	Flame	Wipe Blank	****	N/A	12.00 ug	< 12 ug	

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. NVLAP Accreditation applies only to polarized light microscopy of bulk samples and transmission electron microscopy of AHERA air samples. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.



**CERTIFICATE OF ANALYSIS**

**Client:** Lu Engineers      **Job Name:** Orchard/Whitney Brownfield Inv.      **Chain Of Custody:** 120292  
**Address:** 2230 Penfield Road      **Job Location:** 415 Orchard Street      **Date Submitted:** 9/1/2006  
 Penfield, New York 14526      **Job Number:** 4216      **Person Submitting:** Roy Green  
**Attention:** Roy Green      **P.O. Number:** Not Provided      **Date Analyzed:** 9/1/2006      **Report Date:** 05-Sep-06

**Summary of Atomic Absorption Analysis for Lead**

AMA Sample Number	Client Sample Number	Analysis Type	Sample Type	Air Volume (L)	Area Wiped (ft <sup>2</sup> )	Reporting Limit	Final Result	Comments
-------------------	----------------------	---------------	-------------	----------------	-------------------------------	-----------------	--------------	----------

Analysis Method for Flame: Air, Wipes, Paints, and Soil/Solids: EPA 600/R-93/200(M)-7420; Water: SM-3111B      See QC Summary for analytical results of quality control samples associated with these samples.  
 Analysis Method For Furnace: Air, Wipes, Paints, and Soil/Solids : EPA 600/R-93/200(M)-7421; Water: SM-3113B

N/A = Not Applicable      mg/Kg = parts per million (ppm) by weight      mg/L = parts per million (ppm)  
 %Pb = percent lead by weight      ug = micrograms      ug/L = parts per billion (ppb)

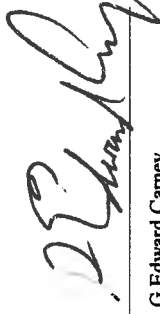
Note: All samples were received in good condition unless otherwise noted.

Note: All results have two significant digits. Any additional digits shown should not be considered when interpreting the result.

Air and Wipe results are not corrected for any blank results

**Analyst:** Varistha Somprachum

**Technical Manager:** G Edward Carney



This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. NVLAP Accreditation applies only to polarized light microscopy of bulk samples and transmission electron microscopy of AHERA air samples. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.



# AMA Analytical Services, Inc.



## QC Summary

Sample Delivery Group: 13505

Analysis Type: Flame  
 Sample Type: Paint Chip  
 Analysis Date: 9/1/2006

	Result	Percent Recovery	RPD	Comment
Preparation Blank	0.074 ppm			Acceptable
Report Limit Verification Sample	0.3894 ppm	116.8%		Acceptable
Expected Spike Level (ppm)	0.3333			
Duplicate Sample 1	5595 mg/Kg			
Duplicate Sample 2	6607 mg/Kg		16.60%	Acceptable
<b>Matrix Spike Analysis</b>				
Spiked Sample		8.54%		Outside Limits
Spike Duplicate		0.30%	186.23%	Outside Limits
Laboratory Control Sample 1	385.854 µg	83.69%		Acceptable
Laboratory Control Sample 2	324.530 µg	83.82%	0.17%	Acceptable

### Calibration Information

Correlation of Calibration Curve: 0.999273

All calibration verification samples are within acceptance limits.

Notes: The spike and spike duplicate recoveries were below the lower control limit of 75%; it is suspected these samples were not spiked. Serial Dilution Analysis was performed on a selected sample with an RPD of 8.3% obtained, within the 10% RPD control limit.

### Samples included in this Sample Delivery Group (SDG)

Chain Of Custody	AMA Sample Number	Client Sample Number
120292	80342	ORC-LBP-1A
120292	80343	ORC-LBP-2A

SDG Number: 13505

**Samples included in this Sample Delivery Group (SDG)**

<b>Chain Of Custody</b>	<b>AMA Sample Number</b>	<b>Client Sample Number</b>
120292	80344	ORC-LBP-3A
120292	80345	ORC-LBP-4A
120292	80346	ORC-LBP-5A
120292	80347	ORC-LBP-6A
120292	80348	ORC-LBP-7A
120292	80349	ORC-LBP-8A
120292	80350	ORC-LBP-9A
120292	80351	ORC-LBP-10A
120291	80371	WH-LBP-1A
120291	80372	WH-LBP-2A
120291	80374	WH-LBP-4A
120291	80375	WH-LBP-5A
120291	80376	WH-LBP-6A
120291	80377	WH-LBP-7A
120291	80378	WH-LBP-8A
120291	80379	WH-LBP-9A
120291	80380	WH-LBP-10A
120291	80381	WH-LBP-11A



# AMA Analytical Services, Inc.



## QC Summary

Sample Delivery Group: 13499

Analysis Type: Flame  
Sample Type: Wipe  
Analysis Date: 9/5/2006

	Result	Percent Recovery	RPD	Comment
Preparation Blank	-0.022 ppm			Acceptable
Report Limit Verification Sample	0.2965 ppm	89.0%		Acceptable
Expected Spike Level (ppm)	0.3333			
Duplicate Sample 1	#Num! mg/Kg			
Duplicate Sample 2	#Num! mg/Kg		#Error	#Error
<b>Matrix Spike Analysis</b>				
Spiked Sample		89.25%		Acceptable
Spike Duplicate				Acceptable
Laboratory Control Sample 1	267.752 µg	85.17%		Acceptable
Laboratory Control Sample 2	263.518 µg	85.59%	0.49%	Acceptable

### Calibration Information

Correlation of Calibration Curve: 0.999356

All calibration verification samples are within acceptance limits.

### Notes:

#### Samples included in this Sample Delivery Group (SDG)

Chain Of Custody	AMA Sample Number	Client Sample Number
120292	80352	ORC-LBP-11A
120292	80353	ORC-LBP-12A

SDG Number: 13499

**Samples included in this Sample Delivery Group (SDG)**

<b>Chain Of Custody</b>	<b>AMA Sample Number</b>	<b>Client Sample Number</b>
142005	80354	1
142005	80355	2
142005	80356	3
142005	80357	4
120291	80373	WH-LBP-3A
120291	80382	WH-LBP-12A
120291	80383	WH-LBP-13A
157184	80470	LCN06-0830MFA-01
157184	80471	LCN06-0830MFA-02
157184	80472	LCN06-0830MFA-03
157184	80473	LCN06-0830MFA-04
157184	80474	LCN06-0830MFA-05
157184	80475	LCN06-0830MFA-06
157185	80476	LCN06-0830MFA-01
157185	80477	LCN06-0830MFA-02
157185	80480	LCN06-0830MFA-05
157185	80481	LCN06-0830MFA-06



**AMA Analytical Services, Inc.**  
 AIHA (#8863) NVLAP (#1143) NY ELAP (10920)  
 4475 Forbes Blvd. • Lanham, MD 20706  
 (301) 459-2640 • (800) 946-0961 • Fax (301) 459-2643  
 www.amalab.com

# CHAIN OF CUSTODY

(Please Refer To This Number For Inquiries)

120292

### Mailing/Billing Information:

1. Job Name: L.V. ENGT. VES 25  
 2. Address 1: 2230 Pentagon Road  
 3. Address 2: Rockville MD 14526  
 4. Address 3:  
 5. Phone # 301 377-1950 x217 Fax # 301 377-1266

### Submittal Information:

1. Job Name: DELLIARD / WASHINGTON / ROBERT FEEB INV.  
 2. Job Location: 301 415 DELLIARD STREET  
 3. Job #: 42110 P.O. #: 6068688  
 4. Contact Person: Fox Green @ phone # 585 377-1266  
 5. Submitted by: Fox Green Signature: [Signature]

### Reporting Information (Results will be provided as soon as technically feasible):

Date & Time Results Required: 9/10/00 @ 10:00  Immd.  24hr  48hr  72hr  5 Day +  Immd. After-Hours\*  Late-Night\* (\*must be pre-scheduled)  
 Verbal: \_\_\_\_\_ @ cell # \_\_\_\_\_  
 Fax Copy:  Fax Copy: Fox Green @ fax # 377-1266 Email Copy: Fox Green @ foxgreen@verizon.com

### Asbestos Analysis

PCM/Air - Please Indicate Filter Type:  
 PC MCE Porosity \_\_\_\_\_ in a 25mm 37mm (QTY) \_\_\_\_\_  
 NIOSH 7400 (QTY) \_\_\_\_\_  
 Fiberglass (QTY) \_\_\_\_\_  
 TEM/Air - Please Indicate Filter Type:  
 PC MCE Porosity \_\_\_\_\_ in a 25mm 37mm (QTY) \_\_\_\_\_  
 AHERA (QTY) \_\_\_\_\_  
 NIOSH 7402 (QTY) \_\_\_\_\_  
 Other (specify) \_\_\_\_\_ (QTY) \_\_\_\_\_  
 PLM/Bulk  
 EPA 600 - Visual Estimate (QTY) \_\_\_\_\_  
 EPA Point Count (QTY) \_\_\_\_\_  
 NY State Friable (QTY) \_\_\_\_\_  
 Grav. Reduction ELAP 198.1 (QTY) \_\_\_\_\_  
 Other (specify) \_\_\_\_\_ (QTY) \_\_\_\_\_

### TEM/Bulk

ELAP 198.4/Chatfield (QTY) \_\_\_\_\_  
 NY State PLM/TEM (QTY) \_\_\_\_\_  
 Residual Ash (QTY) \_\_\_\_\_  
 TEM/Dust  
 Qual. (pres/abs) Vacuum/Dust (QTY) \_\_\_\_\_  
 Quan. (s/area) Vacuum D5755-95 (QTY) \_\_\_\_\_  
 Quan. (s/area) Dust D6480-99 (QTY) \_\_\_\_\_  
 TEM/Water  
 Qual. (pres/abs) (QTY) \_\_\_\_\_  
 ELAP 198.2/EPA 100.2 (QTY) \_\_\_\_\_  
 EPA 100.1 (QTY) \_\_\_\_\_

### Lead Analysis

Paint Chip 10 (QTY) \_\_\_\_\_  
 Dust Wipe (wipe type) \_\_\_\_\_ (QTY) \_\_\_\_\_  
 Air (QTY) \_\_\_\_\_  
 Soil/Solid (QTY) \_\_\_\_\_  
 TCLP (QTY) \_\_\_\_\_  
 Drinking Water (QTY) \_\_\_\_\_  
 Waste Water (QTY) \_\_\_\_\_  
 Dust Wipe Furnace (wipe type) \_\_\_\_\_ (QTY) \_\_\_\_\_

### Miscellaneous Analysis

Radon (QTY) \_\_\_\_\_  
 Other (specify) \_\_\_\_\_ (QTY) \_\_\_\_\_

### SAMPLE ANALYSIS INFORMATION

CLIENT ID NUMBER	SAMPLE LOCATION	DATE	VOLUME (LITERS)			ANALYSIS			MATRIX			CLIENT CONTACT					
			WIPES	AREA	WIPES	TEM	PCM	PLM	LEAD	OTHER	AIR	BULK	WIPES	OTHER	LABORATORY STAFF ONLY	By:	
ORC-LBP-1A	3rd floor Elevator	8/30/00															
ORC-LBP-2A	2nd floor Elevator	8/30/00															
ORC-LBP-3A	3rd floor Elevator	8/30/00															
ORC-LBP-4A	4th floor Elevator	8/30/00															
ORC-LBP-5A	5th floor Elevator	8/30/00															
ORC-LBP-LA	6th floor Elevator	8/30/00															
ORC-LBP-7A	7th floor Elevator	8/30/00															
ORC-LBP-8A	8th floor Elevator	8/30/00															
ORC-LBP-9A	9th floor Elevator	8/30/00															
ORC-LBP-10A	10th floor Elevator	8/30/00															
ORC-LBP-11A	11th floor Elevator	8/30/00															
ORC-LBP-12A	Blank	8/30/00															

### LABORATORY STAFF ONLY: (CUSTODY)

1. Date/Time RCVD: 9/11/00 @ 10:00 Via: Fed Ex By (Print): Kadian Watson Sign: [Signature]  
 2. Date/Time Analyzed: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ @ \_\_\_\_\_ By (Print): \_\_\_\_\_ Sign: \_\_\_\_\_  
 3. Results Reported To: \_\_\_\_\_ Date: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ Time: \_\_\_\_\_  
 4. Comments: \_\_\_\_\_

# **ATTACHMENT D**

*Photo Identification Sheets*

**LIMITED LEAD INSPECTION**

ABANDONED PROPERTY LOCATED AT  
415 ORCHARD STREET  
ROCHESTER, NEW YORK

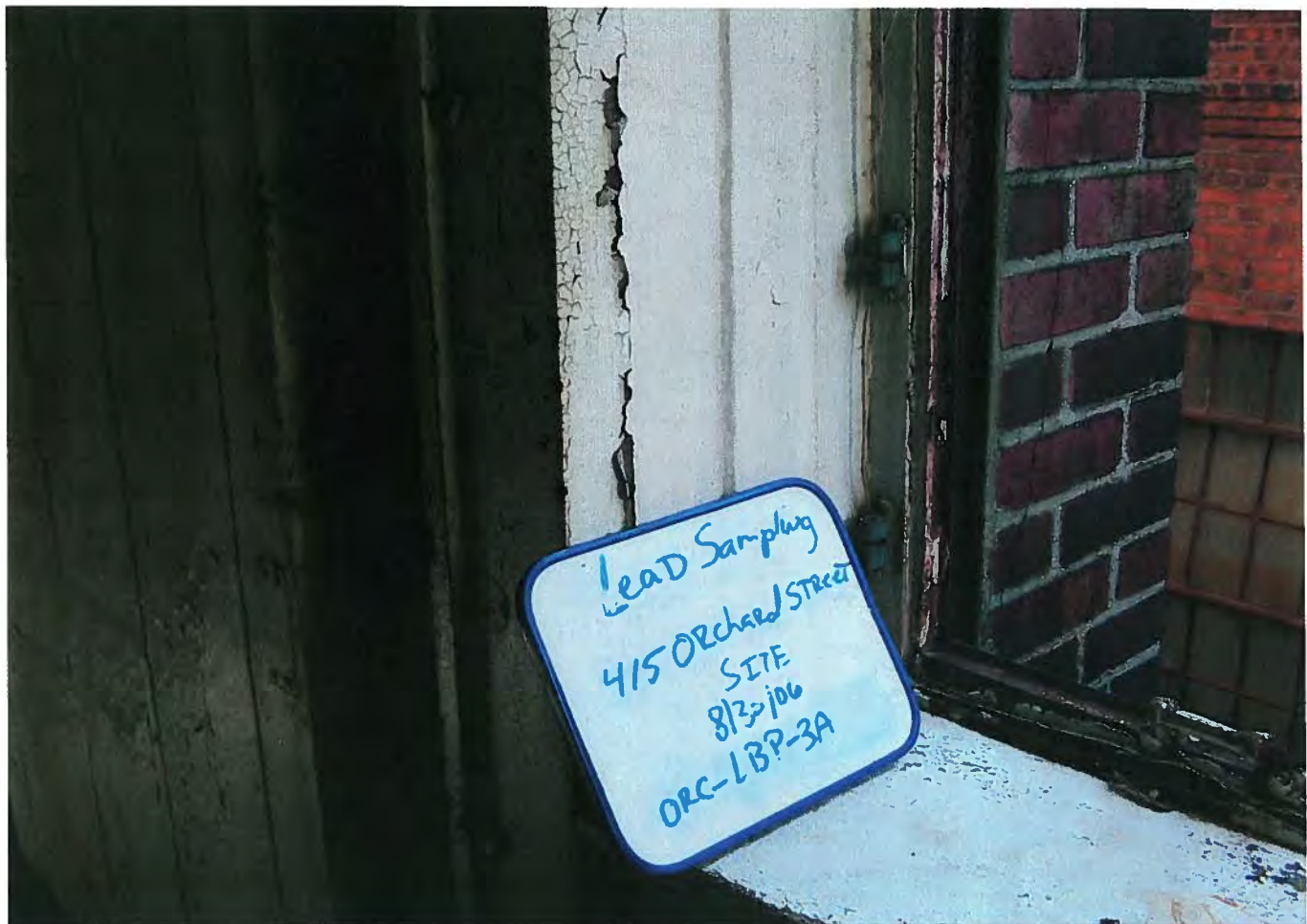


Lead Sampling  
415 Orchard Street  
SITE  
8/30/06  
ORC-LBP-11A

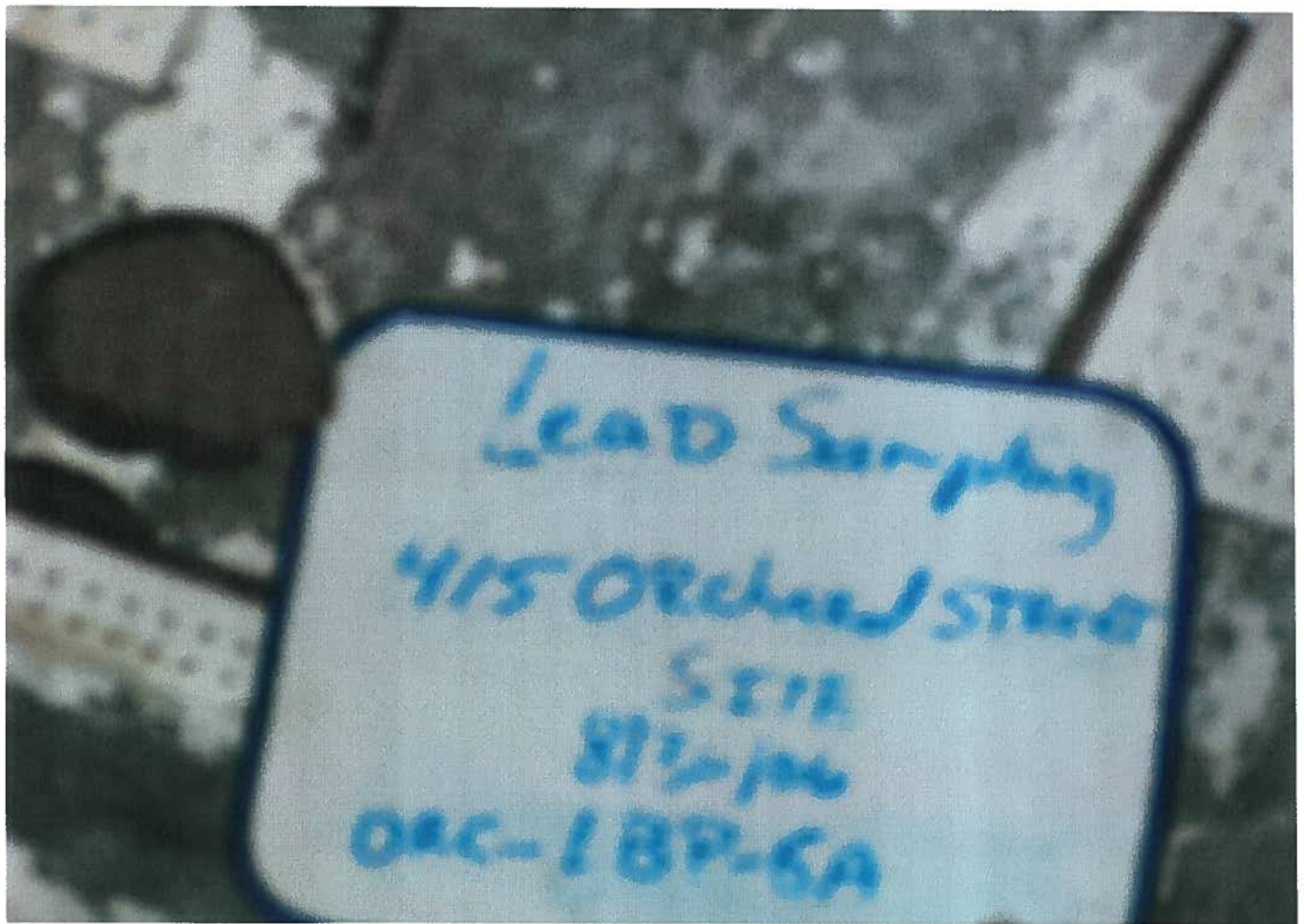


Lead Sampling  
415 Orchard Street  
SITE  
8/30/06  
ORC-LBP-1A











Lead Sampling  
415 Orchard Street  
SITE  
8/2/06  
ORC-LBP-9A



Lead Sampling  
415 Orchard Street  
SITE  
8/2/06  
ORC-LBP-9A



Lead Sampling  
415 Orchard Street  
SITE  
8/30/06  
ORC-LBP-10A

Abandoned Property Located At  
415 Orchard Street  
Rochester, New York 14606

## ASBESTOS PRE-DEMOLITION TECHNICAL MEMORANDUM



**PREPARED FOR:**



**ROCHESTER**  
NEW YORK

CITY OF ROCHESTER  
Department of Environmental Services  
City Hall, Room 300-B  
30 Church Street  
Rochester, New York 14614

Prepared by:



**LU ENGINEERS**  
Civil and Environmental

2230 Penfield Road  
Penfield, New York 14526

October 2006

# ***TECHNICAL MEMORANDUM***

**TO:** City of Rochester, Department of Environmental Services  
City Hall, Room 300-B  
30 Church Street  
Rochester, New York 14614

**ATTN:** Jane Forbes  
Environmental Specialist

**FROM:** Roy Green, Lu Engineers  
Project Engineer

**DATE:** October 13, 2006

**RE:** Asbestos Pre-Demolition Survey  
415 Orchard Street  
Rochester, New York 14606  
Lu Project No. 4216

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## ***INTRODUCTION***

Lu Engineers was contracted by the City of Rochester to provide an asbestos pre-demolition survey of the 415 Orchard Street Site. The asbestos pre-demolition survey included the main 7-story building as well as the one-story addition. The asbestos pre-demolition survey was limited to above grade portions of the buildings and did not include the tunnels known to exist under the buildings. These structures require demolition to facilitate the Brownfield Cleanup and Redevelopment of the site. A site plan is included in Attachment A.

The results of the asbestos pre-demolition survey are presented in this technical memorandum.

## ***PROJECT OVERVIEW***

Previous asbestos inspection reports and record plans were not available for review prior to conducting the survey. Lu Engineers conducted the survey in August 2006.

## ***ASBESTOS BULK SAMPLING***

29 CFR Part 1910 OSHA (Occupational Safety and Health Administration), 40 CFR 763 Subpart E (ASHERA-Asbestos Hazard Emergency Response Act) and NYSDOL (New York State Department of Labor Industrial) Code Rule 56 sampling protocols were followed.

Following the aforementioned sampling protocols, two hundred forty (240) total bulk samples were collected by a NYSDOL certified asbestos inspector from Lu Engineers. A copy of Lu Engineers' license and the inspector's certification can be found in Attachment B. The suspect asbestos materials were given a homogeneous material number based on the color and texture of the material. The homogeneous material numbers were used to describe the existing conditions of the rooms inspected, which are indicated on the room-by-room inspection forms included in Attachment C.

The sample identification number indicated on the bulk sample location sketches corresponds to the homogeneous material numbers located on the laboratory analytical report, the bulk sample logs and the chain of custody forms, which are all included in Attachment D.

Friable samples were analyzed using NYS ELAP Method 198.1 (Polarized Light Microscopy (PLM)). Non-friable organically bound (NOB) samples were analyzed using NYS ELAP Method 198.1 (PLM) and/or NYS ELAP Method 198.4 (Transmission Electron Microscopy (TEM)). LaBella Associates, P.C. Analytical Laboratory was the NYSDOH ELAP approved laboratory used for analysis. A copy of LaBella's credentials can be found in Attachment B.

### ***ASBESTOS RESULTS/FINDINGS***

As defined by the NYSDOL 12NYCRR 56, a sample is considered to be asbestos containing if it contains greater than 1% asbestos by weight based on laboratory analysis. Asbestos location sketches and pictures of each homogenous material sampled are included in Attachment E.

A list of Homogeneous Materials (HM) identified for the areas inspected is included below. A ***bold and italicized HM*** indicates that the material is positive for asbestos based on the sample results and will be impacted by the demolition.

### **HOMOGENEOUS MATERIALS**

<b>HM No.</b>	<b>Description</b>
1	White Drywall Wall
2	Red Brick Wall
3	Brown Mortar Associated W/ #2
4	Pink Fiberglass Wall Insulation W/ Silver Backing
<b>5</b>	<b><i>Tan 12" X 12" Cream Floor Tile W/ Brown Streaks</i></b>
6	Brown Mastic Associated W/ #5
7	Brown 4" Cove Base Molding
8	Tan Mastic Associated W/ #7
9	Hard Grey 1-Coat Ceiling & Wall Plaster
10	Black Tar Paper Vapor Barrier Located In Walls
11	Black Cloth Wire Insulation
12	Sticky White Interior Window Glazing On Old Metal Framed Windows
<b>13</b>	<b><i>Hard White Interior Window Glazing On Old Metal Framed Windows</i></b>
14	Hard Pink Interior Window Glazing On Old Metal Framed Windows
15	Wood Fire Door Core – White Friable
16	Salmon Colored Brick Walls
17	Grey Mortar Associated W/ #16
18	Red 6" X 6" Quarry Tile Floor (Bathrooms & Stairwells)



**HOMOGENEOUS MATERIALS**

<b>HM No.</b>	<b>Description</b>
19	Dark Grey Grout Associated W/ #18
<b>20</b>	<b><i>Grey Paper Backing On 1 X 2 Metal Pan Ceilings</i></b>
21	Off-White Insulation On 1 X 2 Metal Pan Ceilings
22	Tan Cloth Interior Door Gasket
23	Tan Fiberboard Flooring
<b>24</b>	<b><i>Tan Fibrous Peg Board</i></b>
25	White 2' X 4' Suspended Acoustical Ceiling Tile
26	Lt. Brown 5" Cove Base Molding
27	Dark Brown Mastic Associated W/ #26
28	Brown Adhesive Used To Glue Drywall Walls To Studs
<b>29</b>	<b><i>Black Skylight Glazing</i></b>
30	White 12" X 12" Acoustical Ceiling Tile
31	Brown Glue Pucks Associated W/ #30
<b>32</b>	<b><i>White Fibrous Pipe Insulation "Mag"</i></b>
<b>33</b>	<b><i>Grey Mud Fitting</i></b>
<b>34</b>	<b><i>Crème Cloth Pipe Covering</i></b>
35	Ceiling Drywall
36	Yellow Fiberglass Ceiling & Wall Insulation W/ Silver Backing
37	Grey Fibrous Wall Board
38	Black Fiberglass Interior Duct Insulation / Backing
39	Dark Brown 4" Cove Base Molding
40	Dark Brown Mastic Associated W/ #39
41	White 12" X 12" Fiberglass Acoustical Ceiling Tile
42	Dark Brown Glue Puck Associated W/ #41
43	Brown Fibrous Wall Board
44	White Drywall Wall Joint Compound
45	Crème Drywall Wall Tape
46	White Drywall Wall
47	Light Brown Adhesive Used To Glue Drywall Walls To Studs
<b>48</b>	<b><i>White Furnas Gaskets</i></b>
49	Black Flexible Duct Connector
50	Light Brown Adhesive Used To Glue Wood Paneling To Studs
<b>51</b>	<b><i>Black Panel Adhesive Used To Glue Wood Paneling To Studs</i></b>
<b>52</b>	<b><i>Brown Linoleum</i></b>
<b>53</b>	<b><i>Brown Mastic Associated W/ #52</i></b>
54	2' X 4' Yellow Fiberglass Suspended Acoustical Ceiling Tiles
55	White Hvac Duct Tape
<b>56</b>	<b><i>Cream Linoleum W/ Cream &amp; Tan Squares</i></b>
<b>57</b>	<b><i>Yellow Mastic Associated W/ #56</i></b>
58	Red 12" X 12" Vinyl Floor Tile
<b>59</b>	<b><i>Black Mastic Associated W/ #58</i></b>
<b>60</b>	<b><i>Tan 12" X 12" Vinyl Floor Tile (Sticky Back)</i></b>
61	Yellow Mastic Associated W/ #60
<b>62</b>	<b><i>White 12" X 12" Vinyl Floor Tile (Sticky Back)</i></b>
63	Yellow Mastic Associated W/ #62
64	Creosote Soaked 6" X 3" Wood Blocks (Sub-Flooring)
65	Tar Based Black Mortar Associated W/ #64
66	Green Cloth Flexible Duct Connector

## HOMOGENEOUS MATERIALS

HM No.	Description
67	Brown Duct Caulk On Seams
68	<b>Dark Brown Linoleum W/ Light Tan Specks</b>
69	<b>Grey Backing Paper Associated W/ #68</b>
70	Grey Paper On Elevator Roof
71	Black Expansion Joint (Between Concrete Floors)
72	Black Tar Paper Vapor Barrier On Concrete Floors
73	White Sparkly Joint Compound-Walls, Associated W/ #75
74	Cream Joint Tape-Walls, Associated W/ #75
75	White Drywall Walls
76	2" Grey Cove Base Molding
77	Tan Mastic Associated W/ #76
78	Red 3" X 5" Brick Floor Tile & Cove Base
79	Grey Mortar Associated W/ #78
80	Grey Set Bed Associated W/ #78
81	Tan Cove Mastic Associated W/ #78 (Used As A Cove Base)
82	<b>Tan Linoleum W/ Light Tan Specks</b>
83	Yellow Mastic Associated W/ #82
84	White Linoleum W/ Blue Specks
85	Brown Linoleum Backing Associated W/ #84
86	Black Exterior Tar Coating (Behind Brick Façade)
87	<b>Cream Exterior Frame Caulk (Frame Bottoms) Sporadic Windows</b>
88	<b>Black Tar Based Exterior Siding Coating (On Building Remnants)</b>
89	<b>Black Flashing Tar (Breezeway Between Orchard &amp; Whitney)</b>
90	<b>Black Caulk On Metal Plate (West Elevation)</b>
91	White Exterior Window Glazing
92	<b>Off-White Exterior Window Caulk</b>
93	Light Grey Interior Window Glazing
94	<b>Off-White Interior Window Glazing</b>
95	Off-White Exterior Door Frame Caulk
96	Cream Exterior Window Glazing
97	Black Foundation Waterproofing Tar On Floor Slab
98	<b>White Exterior Window Glazing</b>
99	<b>Black Tar Paper (Top Layer Core 1) – Roof Field 1/16" Thick</b>
100	<b>Black Tar Paper (2<sup>nd</sup> Layer Core 1) -- Roof Field 1/16" Thick</b>
101	Black Tar (3 <sup>rd</sup> Layer Core 1) -- Roof Field 1/8" Thick
102	Black Tar (4 <sup>th</sup> Layer Core 1) -- Roof Field 1/8" Thick
103	Black Tar (5 <sup>th</sup> Layer Core 1) -- Roof Field 1/8" Thick
104	Black Tar (6 <sup>th</sup> Layer Core 1) -- Roof Field 1/8" Thick (On Concrete Deck)
105	<b>Grey Parapet Wall Cap – Tar (6<sup>th</sup> Floor Roof Parapet Wall Cap/Joints)</b>
106	Brown Clay Parapet Cap (6 <sup>th</sup> Floor Roof Parapet Wall)
107	Black Parapet Wall Flashing Tar (6 <sup>th</sup> Floor Roof Parapet Wall)
108	<b>Black Tar / Paper Parapet Wall Flashing (6<sup>th</sup> Floor Roof)</b>
109	<b>White (Weathered Grey) Caulk Between Building Joints (6<sup>th</sup> Floor Roof)</b>
110	<b>Black Tar / Paper (Top Layer Core 2) – Roof Field ¼" Thick</b>
111	Black Tar / Paper (2 <sup>nd</sup> Layer Core 2) – Roof Field ¼" Thick
112	<b>Black Brittle Tar (3<sup>rd</sup> Layer Core 2) – Roof Field 1/16" Thick</b>
113	Black Felt Paper (4 <sup>th</sup> Layer Core 2) – Roof Field 1/16" Thick (On Concrete Deck)
114	<b>Grey Valve Gasket</b>

**HOMOGENEOUS MATERIALS**

<b>HM No.</b>	<b>Description</b>
115	<b>Black Fiberglass Impregnated Felt Paper (On Parapet Walls – Se 6<sup>th</sup> Floor Bur)</b>
116	<b>Black Parapet Wall Cap Tar (Se 6<sup>th</sup> Floor Bur, Parapet Wall Cap)</b>
117	Yellow Iso Board (1 <sup>st</sup> Layer Core3) – Rubber Roof Field
118	Brown Iso Board Paper (2 <sup>nd</sup> Layer Core 3)
119	Brown Felt Paper (3 <sup>rd</sup> Layer Core 3) (On Concrete Deck)
120	Tar / Tar Paper (Top Layer Core 4), 7 <sup>th</sup> Floor NW Stair Roof
121	Tar / Tar Paper (2 <sup>nd</sup> Layer Core 4)
122	Tar / Tar Paper (3 <sup>rd</sup> Layer Core 4)
123	Tar / Tar Paper (4 <sup>th</sup> Layer Core 4)
124	Tar / Tar Paper (5 <sup>th</sup> Layer Core 4)
125	Tar / Tar Paper (6 <sup>th</sup> Layer Core 4)
126	Tar On Wood Deck (Bottom Layer Core 4)
127	<b>Silver / Black Tar On Roof Shed</b>
128	<b>Brown Flashing Caulk (Sporadic On 7<sup>th</sup> Floor Roof Systems)</b>
129	<b>Brown Felt Paper Backing Associated W/ #127</b>
130	Black W/ Greenish Tint Tar Paper (Top Layer Core 5) (Main 7 <sup>th</sup> Floor Bur) – ¼” Thick
131	Brown Refractory Sand Insulation (2 <sup>nd</sup> Layer Core 5) – 4” Thick
132	Black Tar / Paper (3 <sup>rd</sup> Layer Core 5) – ½” Thick
133	Black Felt Paper (4 <sup>th</sup> Layer Core 5) – 1/16” Thick
134	Black Felt Paper (5 <sup>th</sup> Layer Core 5) – 1/16” Thick
135	Brown Paper On Wood Deck (Bottom Layer Core 5) – 1/16” Thick
136	Grey Refractory Elevator Block
137	<b>Grey Elevator Break Pads</b>
138	<b>White Exterior Door Frame Caulk (Elevator Machine Room Door)</b>
139	Black Tar / Tar Paper Perimeter Flashing (Top Layer, Core 6) (Main 7 <sup>th</sup> Floor Bur Flashing)
140	Black Tar / Paper (2 <sup>nd</sup> Layer Core 6)
141	Black Tar / Paper (3 <sup>rd</sup> Layer Core 6)
142	Black Tar / Paper (4 <sup>th</sup> Layer Core 6)
143	Black Tar / Paper (5 <sup>th</sup> Layer Core 6)
144	Black Tar / Paper (Bottom Layer Core 6) (On Concrete Deck)
145	Black Felt Paper (Top Layer Core 7) (6 <sup>th</sup> Floor Elevator Machine Room Roof)
146	Black Felt Paper (2 <sup>nd</sup> Layer Core 7)
147	Black Felt Paper (3 <sup>rd</sup> Layer Core 7)
148	Black Felt Paper (4 <sup>th</sup> Layer Core 7) (On Concrete Deck)
149	Black Tar / Paper (Top Layer Core 8) 1/16” Thick
150	Black Tar / Paper (2 <sup>nd</sup> Layer Core 8) 1/16” Thick
151	Black Tar / Felt Paper (3 <sup>rd</sup> Layer Core 8) 1/16” Thick
152	Black Tar / Felt Paper (4 <sup>th</sup> Layer Core 8) 1/16” Thick
153	Black Tar / Felt Paper (5 <sup>th</sup> Layer Core 8) 1/16” Thick
154	Black Tar / Felt Paper (6 <sup>th</sup> Layer Core 8) 1/16” Thick
155	Brown Felt Paper (Bottom Layer Core 8) 1/16” Thick On Wood Deck
156	Black Tar On Roof Over East 7 <sup>th</sup> Floor Bathroom (Core 9) ½” Thick On Concrete
157	Black Tar / Paper (Top Layer Core 10) (7 <sup>th</sup> Floor Roof Over East Stairwell) 1/16” Thick
158	Black Tar / Paper (2 <sup>nd</sup> Layer Core 10)
159	Black Tar / Paper (3 <sup>rd</sup> Layer Core 10)
160	Black Tar / Paper (4 <sup>th</sup> Layer Core 10)
161	Black Tar / Paper (Bottom Layer Core 10) (On Concrete)
162	Grey Building Joint Caulk (7 <sup>th</sup> Floor Main Roof)

**HOMOGENEOUS MATERIALS**

<b>HM No.</b>	<b>Description</b>
<b>163</b>	<b><i>Black Counter Flashing Tar (1 Story Roof Interface W/ 7 Story Main Building)</i></b>
164	Black Tar / Paper (Top Layer Core 11 Under Aluminum Flashing) (1 Story Interface With 7 Story Main Building)
165	Black Tar / Tar Paper (2 <sup>nd</sup> Layer Core 11)
166	Black Tar / Tar Paper (3 <sup>rd</sup> Layer Core 11)
167	Black Tar / Tar Paper (Bottom Layer Of Core 11 On Brick Substrate)
168	Black Felt Paper (Core 12 Roof Field – Only 1 Layer Under Rubber & 2" Foam)
169	Black Tar / Paper (Top Layer, Core 13) (1 Story Roof Curb Flashing)
170	Black Tar / Paper (2 <sup>nd</sup> Layer Core 13)
171	Black Tar / Paper (3 <sup>rd</sup> Layer Core 13)
172	Black Tar / Paper (4 <sup>th</sup> Layer Core 13)
173	Black Tar / Paper (5 <sup>th</sup> Layer Core 13)
174	Black Tar / Paper (6 <sup>th</sup> Layer Core 13)
175	Black Tar / Paper (7 <sup>th</sup> Layer Core 13)
<b>176</b>	<b><i>Black Tar / Paper (Top Layer Core 14) (1 Story Addition Roof Field Under Rubber &amp; 2" Foam)</i></b>
177	Black Tar / Paper (2 <sup>nd</sup> Layer Core 14)
178	Black Tar / Paper (3 <sup>rd</sup> Layer Core 14)
179	Black Tar / Paper (4 <sup>th</sup> Layer Core 14)
180	Black Tar / Paper (5 <sup>th</sup> Layer Core 14)
181	Black Tar / Paper (6 <sup>th</sup> Layer Core 14)
182	Brown Fiberboard Insulation (7 <sup>th</sup> Layer Core 14) 1/2" Thick
183	Black Tar On Metal Deck (Bottom Layer Core 14)
184	Black Tar (Top Layer Core 15) (1 Story Addition Main Roof Field) 1" Thick Under Rubber And 1" Of Foam
185	Black Felt Paper (2 <sup>nd</sup> Layer Core 15)
186	Black Felt Paper (3 <sup>rd</sup> Layer Core 15)
187	Black Felt Paper (4 <sup>th</sup> Layer Core 15)
188	Black Felt Paper (Bottom Layer Core 15) (On Wood Deck)
189	Black Stoned Shingles (Top Layer Core 16) – Shingled Roof
190	Black Felt Paper (2 <sup>nd</sup> Layer Core 16)
<b>191</b>	<b><i>Black Tar Sporadically Located On Shingled Roof</i></b>
<b>192</b>	<b><i>Black Tar / Tar Paper Coating On Exterior Wall Panels</i></b>
193	Grey Caulk On 7 Story Main Rubber Roof
<b>194</b>	<b><i>Grey Roof Tar Roof Field Patch (Top Layer Core 17) Over Core 15 Materials</i></b>
195	Black Felt Paper Roof Field Patch (Bottom Layer Core 17) Over Core 15 Materials
<b>196</b>	<b><i>White Sticky Caulk Between Metal Roof Sheet Seams And Joints</i></b>
197	Black Tar (Top Layer Core 18 – Roof Field, Under Rubber & 1" Foam) – 1/2" Thick
198	Black Tar / Paper (2 <sup>nd</sup> Layer Core 18)
199	Black Tar / Paper (3 <sup>rd</sup> Layer Core 18)
200	Black Tar / Paper (4 <sup>th</sup> Layer Core 18)
201	Brown Sandy Insulation (5 <sup>th</sup> Layer Core 18)
202	Black Tar / Paper (6 <sup>th</sup> Layer Core 18)
203	Black Tar / Paper (7 <sup>th</sup> Layer Core 18)
204	Black Tar / Paper (8 <sup>th</sup> Layer Core 18)
205	Black Tar / Paper (9 <sup>th</sup> Layer Core 18)
206	Black Tar / Paper (10 <sup>th</sup> Layer Core 18)
207	Black Tar / Paper (Bottom Layer Core 18)
208	Black Tar / Paper (Top Layer Core 19 – Roof Field, Under Rubber And 1" Foam)

**HOMOGENEOUS MATERIALS**

<b>HM No.</b>	<b>Description</b>
209	Black Tar / Paper (2 <sup>nd</sup> Layer Core 19)
210	Black Tar / Paper (3 <sup>rd</sup> Layer Core 19)
211	Black Tar / Paper (4 <sup>th</sup> Layer Core 19)
212	Black Tar / Tar Paper (Bottom Layer Core 19) (On Wood Deck)
213	Black Tar / Tar Paper (Top Layer Core 20 – Roof Field)
214	Black Tar / Tar Paper (2 <sup>nd</sup> Layer Core 20)
215	Black Tar / Tar Paper (3 <sup>rd</sup> Layer Core 20)
216	Black Cloth Impregnated W/ Tar (4 <sup>th</sup> Layer Core 20)
217	Black Tar / Paper (Bottom Layer Core 20) (On Wood Deck)
218	Black Tar (Top Layer Core 21 – Roof Field)
219	Black Tar / Paper (2 <sup>nd</sup> Layer Core 21)
220	Black Tar / Paper (3 <sup>rd</sup> Layer Core 21)
221	Black Tar / Paper (Bottom Layer Core 21) (On Wood Deck)
222	<b><i>Black Tar Sporadically Located On West Rolled Roof</i></b>
223	Black Stoned Rolled Roofing On West Rolled Roof
224	Black Felt Paper Associated W/ #223

***LIMITATIONS***

There are suspect asbestos containing pipe insulation and mud fittings located in the tunnels that are known to exist in the tunnels located under the 415 Orchard Street Site. These tunnels are currently flooded and access is limited. Full inspection of the tunnels is currently not possible due to the extensive amount of flooding. As requested by the City of Rochester, the asbestos pre-demolition survey was limited to the above grade portion of the site and did not include the below grade tunnels.

Due to the abandoned and unsecured nature of the site, the conditions of the asbestos containing materials will most likely change with the passage of time. Localized asbestos debris indicated on the asbestos location sketches may become more widespread due to vandalism or deterioration.

***RECOMMENDATIONS***

The asbestos containing materials identified in this asbestos pre-demolition survey will be impacted by the proposed demolition.

It is recommended that all asbestos containing materials be removed from the building in accordance with State and Federal Regulations by a NYSDOL licensed asbestos abatement contractor.

In addition, some friable asbestos containing materials have a considerable amount of damage and there are localized areas of debris. This debris and associated contaminated elements must be abated prior to building demolition.

# ATTACHMENT A

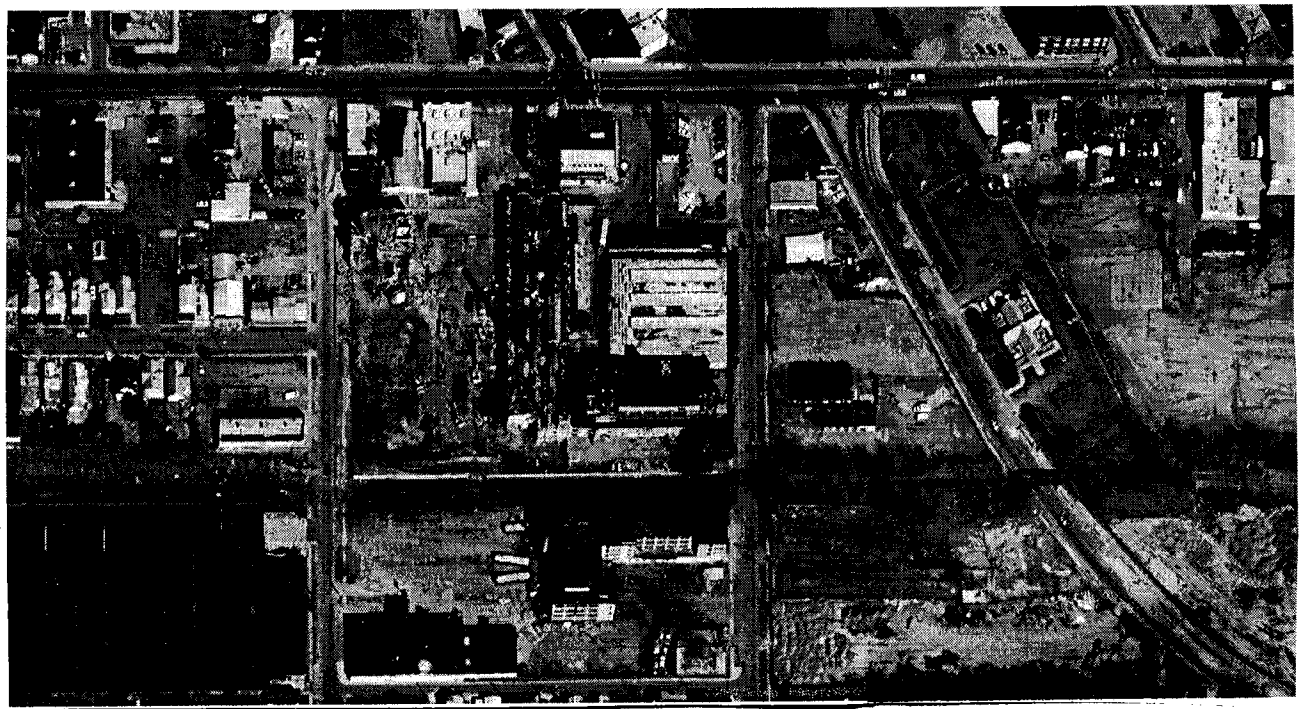
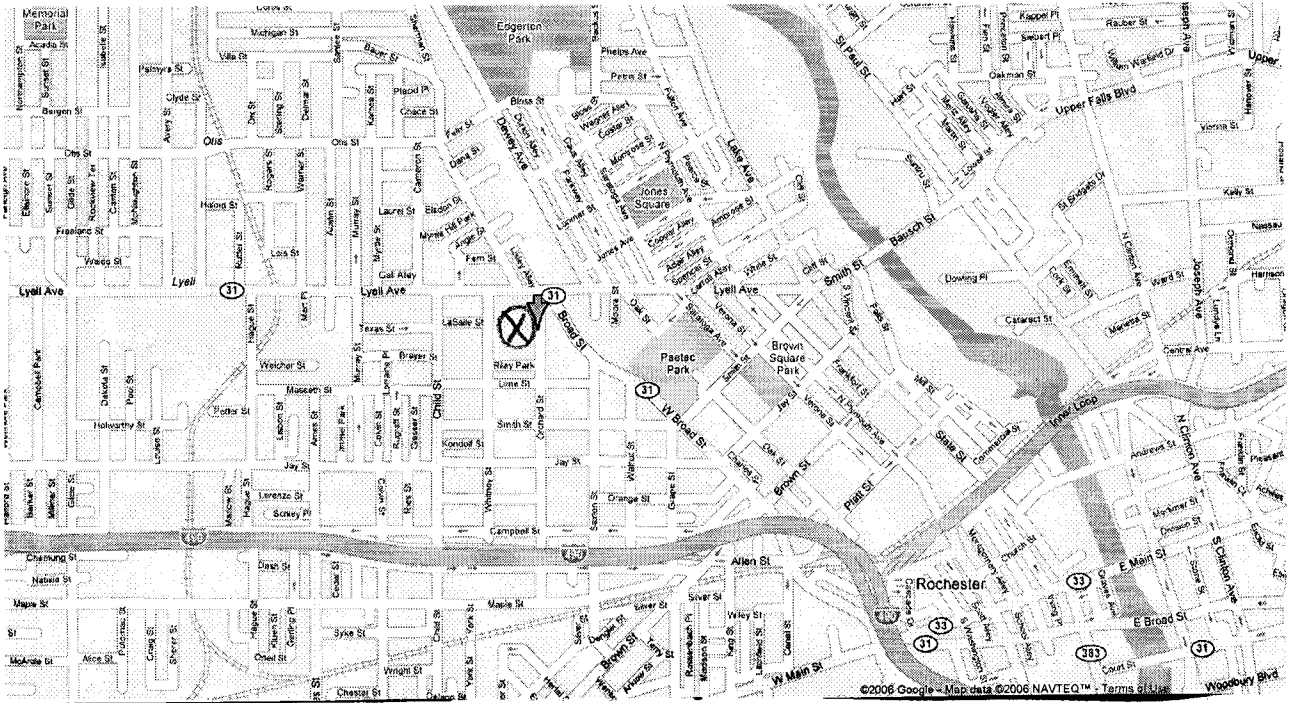
*Site Plan*

## TECHNICAL MEMORANDUM

415 ORCHARD STREET SITE  
ROCHESTER, NEW YORK 14606



Address **415 Orchard St**  
**Rochester, NY 14606**



Lu Project #: 4216



**SITE PLAN**

415 Orchard Street  
Rochester, New York 14606

Sketch Is Not Drawn To Scale

**Pre-demolition Technical Memorandum**

# ATTACHMENT B

## *License, Certifications & Laboratory Credentials*

### TECHNICAL MEMORANDUM

415 ORCHARD STREET SITE  
ROCHESTER, NEW YORK 14606



STATE OF NEW YORK - DEPARTMENT OF LABOR  
**DIVISION OF SAFETY AND HEALTH**

License and Certificate Unit  
BUILDING 12, STATE CAMPUS  
ALBANY, NY 12240

**ASBESTOS HANDLING LICENSE**

Contractor: **JOSEPH C. LU ENGINEERING AND** LICENSE NUMBER: 99-0907

**LAND SURVEYING, P.C.**

**2230 PENFIELD ROAD**

**PENFIELD, NY 14526**

DATE OF ISSUE: 1 /6 /2006

EXPIRATION DATE: 1/31/2007

Duly Authorized Representative: **ROBERT J. ELLIOTT P.E.**

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

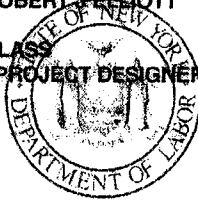
Anthony Germano, Director  
FOR THE COMMISSIONER OF LABOR

STATE OF NEW YORK - DEPARTMENT OF LABOR  
ASBESTOS CERTIFICATE



ROBERT J. ELLIOTT

CLASS  
I PROJECT DESIGNER



CERT# 92-07783  
EXPIRES 10/06

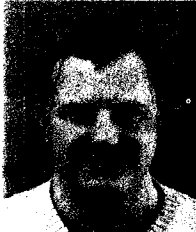
MUST BE CARRIED ON ASBESTOS PROJECTS



DMV# 284041925  
EYES GRN  
HAIR BRO  
HGT 5' 08"

IF FOUND RETURN TO:  
NYS DOL - L&C UNIT  
ROOM 161 BUILDING 12  
STATE OFFICE CAMPUS  
ALBANY NY 12240

STATE OF NEW YORK - DEPARTMENT OF LABOR  
ASBESTOS CERTIFICATE



ROY C GREEN  
CLASSIFIED  
C A/E/C (12/06) D H/S (12/06)  
G SUPP (12/06) H P/L (12/06)



CERT# 95-10837

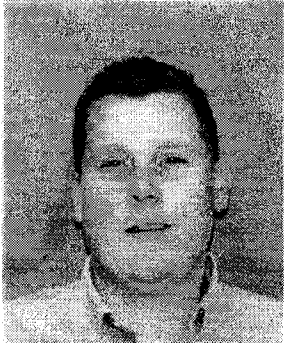
MUST BE CARRIED ON ASBESTOS PROJECTS



DMV# 648002361  
EYES BLU  
HAIR. BRO  
HGT 5' 10"

IF FOUND RETURN TO:  
NYSDEL - L&C UNIT  
ROOM 161 BUILDING 12  
STATE OFFICE CAMPUS  
ALBANY NY 12240

**STATE OF NEW YORK - DEPARTMENT OF LABOR  
ASBESTOS CERTIFICATE**



**MITCHELL C SMITH  
CLASS(EXPIRES)  
C ATEC(03/07) D INSP(03/07)  
HPM (03/07)**



**CERT# 97-15393  
DMV# 992171375**

**MUST BE CARRIED ON ASBESTOS PROJECTS**



**EYES GRN  
HAIR BRO  
HGT 5' 08"**

**IF FOUND RETURN TO:  
NYSOL - L&C UNIT  
ROOM 290A BUILDING 12  
STATE OFFICE CAMPUS  
ALBANY NY 12240**

STATE OF NEW YORK - DEPARTMENT OF LABOR  
ASBESTOS CERTIFICATE



LOREN D. SPENCER  
CLASS (EXPIRES)  
C ATEC (02/07) D HSP (02/07)  
H PM (02/07)



CERT# 92-12817

MUST BE CARRIED ON ASBESTOS PROJECTS



DMV# 568561436  
EYES BRO  
HAIR BRO  
HGT 5' 06"

IF FOUND RETURN TO:  
NYSOL - L&C UNIT  
ROOM 161 BUILDING 12  
STATE OFFICE CAMPUS  
ALBANY NY 12240

Engineering  
Architecture  
Environmental

# LABELLA

Associates, P.C.

300 State Street, Suite 201, Rochester, NY 14614

February 11, 2004

RECEIVED

FEB 12 2004

Phone 585.454.6110  
Fax 585.454.3066  
www.labellapc.com

Ms. Christine Davey  
Lu Engineers  
2230 Penfield Road  
Penfield, NY 14526-1922

LU ENGINEERS

Re: LaBella Associates Asbestos Analytical Laboratory  
NY Lab ID No. 11184  
New 2004 NELAP Laboratory Accreditation



Dear Chris:

LaBella Associates, P.C. is proud to announce that our high quality **in-house environmental laboratory** has earned **NELAP accreditation** in asbestos analysis through our on-going participation in New York State's upgraded laboratory approval program, which is now an accrediting authority of the National Environmental Laboratory Accreditation Conference (NELAC). NELAC is a nationwide cooperative effort of the USEPA, State and other Federal agencies to establish and promote performance standards for the inspection and operation of environmental laboratories. The National Environmental Laboratory Accreditation Program (NELAP) is the program that implements the NELAC standards. Our NELAP accreditations are for PLM and PCM analysis as defined below:

- **Environmental analyses solid and hazardous waste – approved analysis for Asbestos in Friable Material and**
- **Environmental analyses air and emissions – approved analysis for Fibers.**

Earning these accreditations demonstrates our ability to consistently meet the highest technical and quality performance standards for the analysis of asbestos samples. Our conformance with these performance standards requires our on-going participation in inspection and sample proficiency programs that are equivalent to those in all participating laboratories across the country, whether they are commercial, state or federal. All NELAP laboratories are inspected to the same standards, use the same analytical methods, the same quality control procedures and are tested with the same or similar proficiency samples. Accreditation constitutes participation in a nationally recognized laboratory testing program as required by 29 CFR 1926.1101 section k(5) for the analysis of bulk samples.

We are excited about being able to serve you at an even higher level of assured accuracy and quality. Should you have any questions about our services or want to discuss your specific needs, feel free to contact me at 585.295.6241. Thank you for considering LaBella Associates for your environmental laboratory needs. We look forward to working with you!

Sincerely,

LABELLA ASSOCIATES, P.C.

Richard K. Rote, MS, CIH  
Certified Industrial Hygienist  
N:\LUENGU4B1\RR1.DOC

**NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER**

*Antonia C. Novello, M.D., M.P.H., Dr.P.H.*



**Expires 12:01 AM April 01, 2007  
Issued April 1, 2006**

**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

*Issued in accordance with and pursuant to section 502 Public Health Law of New York State*

**MR. RICHARD K. ROTE  
LABELLA ASSOCIATES  
300 STATE STREET  
ROCHESTER, NY 14614**

**NY Lab Id No: 11184  
EPA Lab Code:**

***is hereby APPROVED as an Environmental Laboratory for the category  
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE  
All approved subcategories and/or analytes are listed below:***

**Miscellaneous**

- Asbestos in Friable Material**      **EPA 800/M4/82/020**
- Asbestos in Non-Friable Material-PLM**      **Item 198.6 of Manual (NOB by PLM)**

**Serial No.: 29342**

*Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.*

**NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER**

*Antonia C. Novello, M.D., M.P.H., Dr.P.H.*



**Expires 12:01 AM April 01, 2007  
Issued April 1, 2006**

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*Issued in accordance with and pursuant to section 502 Public Health Law of New York State*

**MR. RICHARD K. ROTE  
LABELLA ASSOCIATES  
300 STATE STREET  
ROCHESTER, NY 14614**

**NY Lab Id No: 11184  
EPA Lab Code:**

*is hereby APPROVED as an Environmental Laboratory for the category  
**ENVIRONMENTAL ANALYSES AIR AND EMISSIONS**  
All approved subcategories and/or analytes are listed below:*

**Miscellaneous Air  
Fibers**

**NOSH 7400 A RULES**

**Serial No.: 29343**

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 486-5570 to verify laboratory's accreditation status.

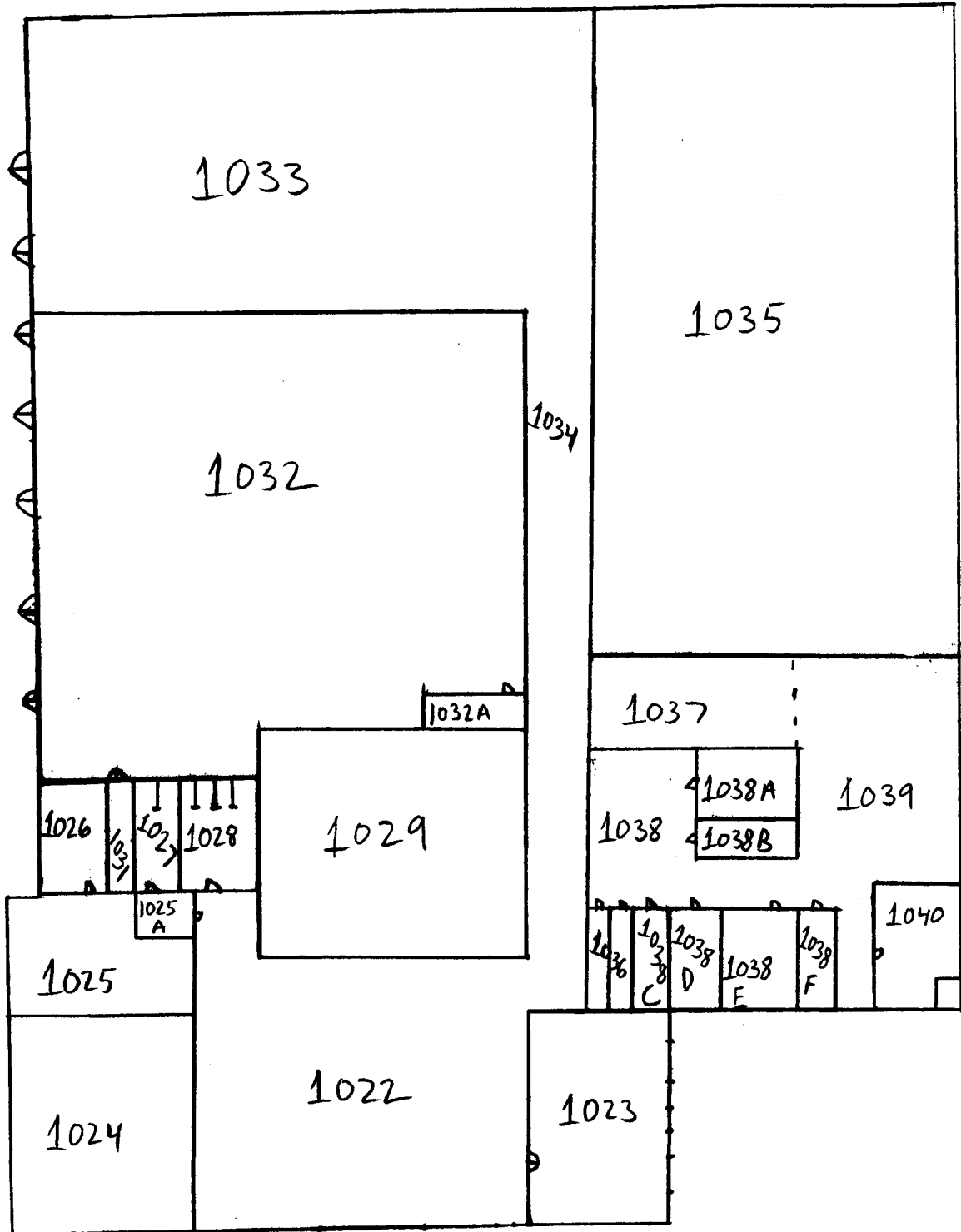


# ATTACHMENT C

## *Room-By-Room Inspection Forms*

### **ASBESTOS TECHNICAL MEMORANDUM**

415 ORCHARD STREET SITE  
ROCHESTER, NEW YORK 14606



1ST FLOOR (1 STORY ADDITION)

Lu Project #: 4216

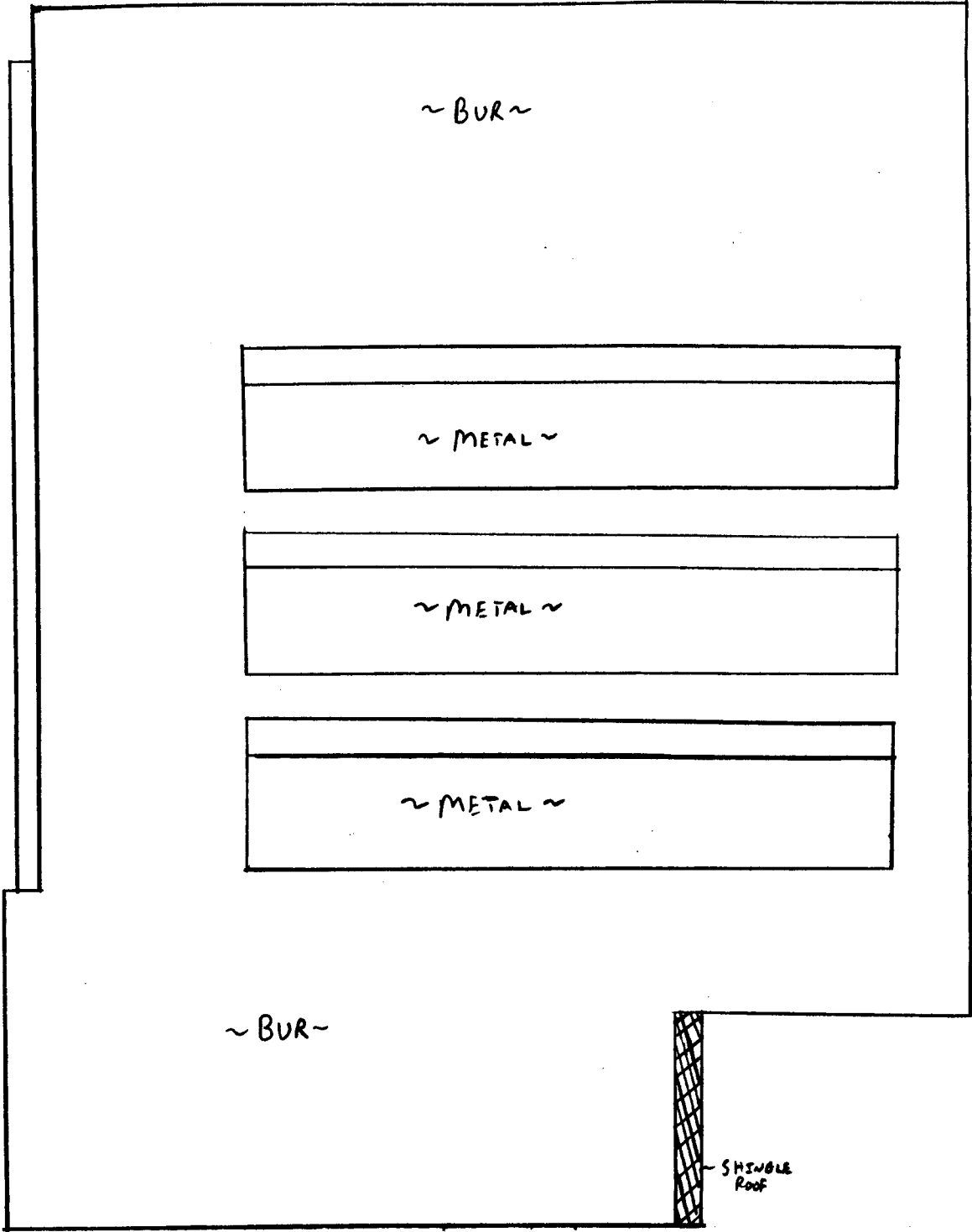


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**FUNCTIONAL SPACE IDENTIFICATION**

415 Orchard Street  
Rochester, New York 14606

**Pre-demolition Technical Memorandum**



1 STORY ADDITION ROOF

Lu Project #: 4216

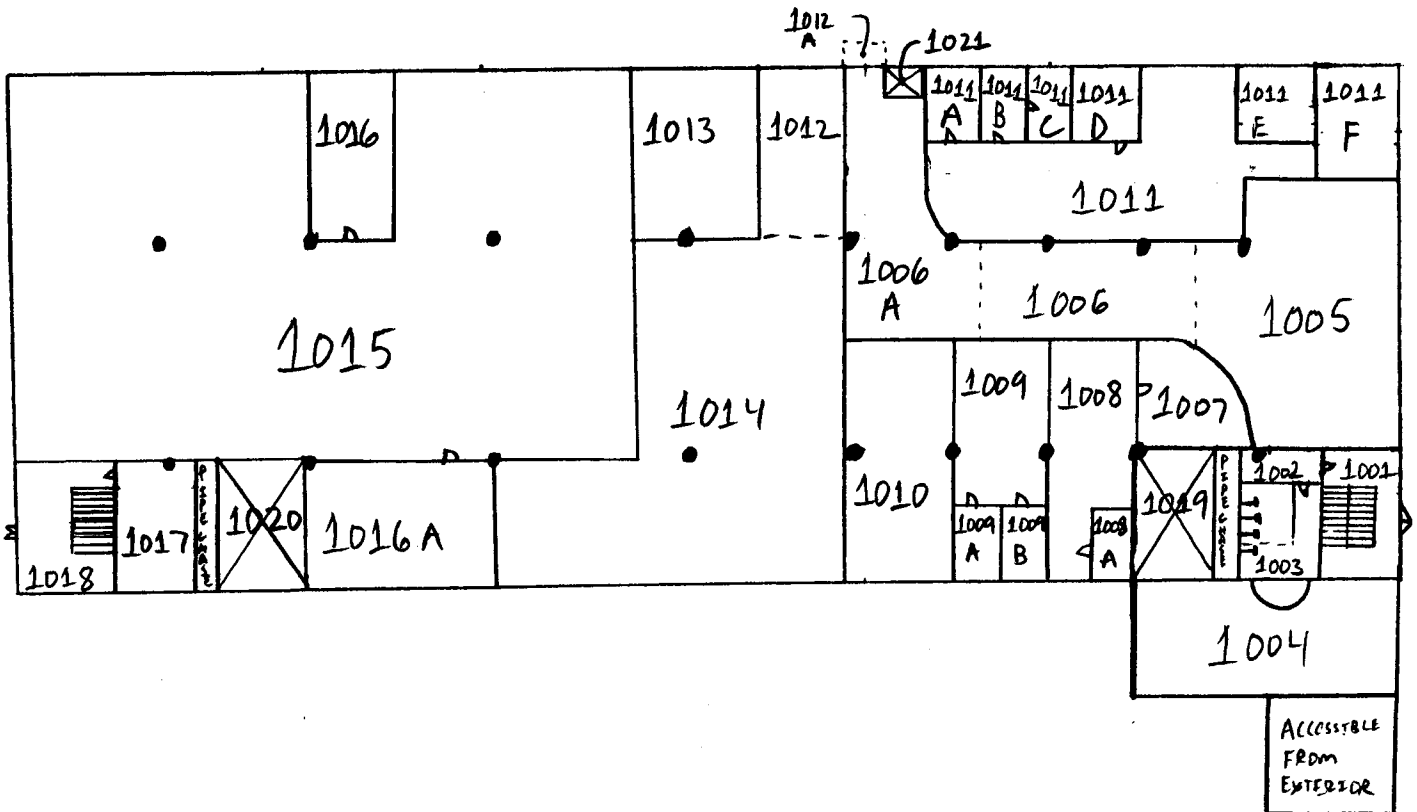


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**FUNCTIONAL SPACE IDENTIFICATION**

415 Orchard Street  
Rochester, New York 14606

***Pre-demolition Technical Memorandum***



1ST FLOOR (MAIN BUILDING)

Lu Project #: 4216



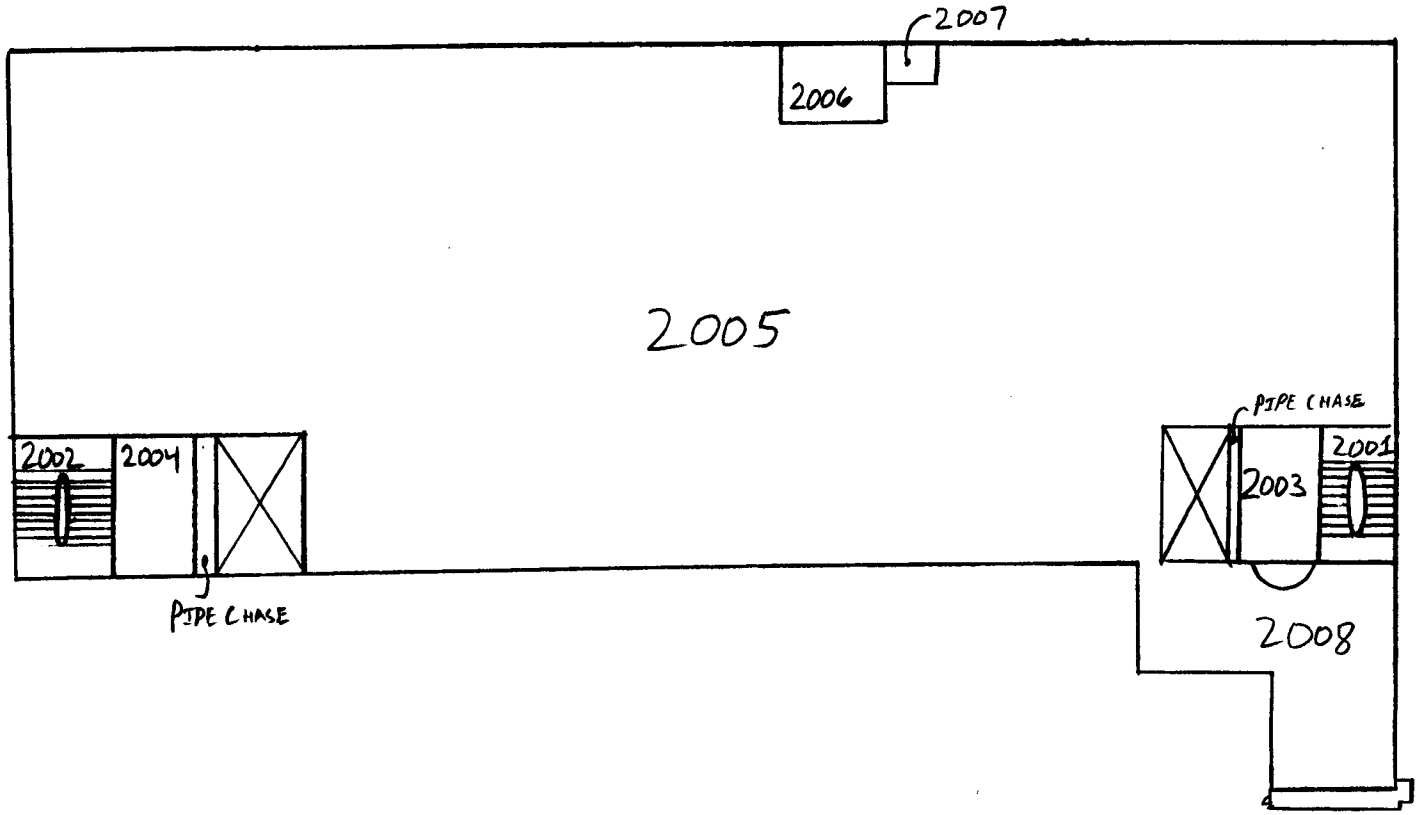
**LU ENGINEERS**  
Civil and Environmental

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**FUNCTIONAL SPACE IDENTIFICATION**

415 Orchard Street  
Rochester, New York 14606

**Pre-demolition Technical Memorandum**



2ND FLOOR (MAIN BUILDING)

Lu Project #: 4216

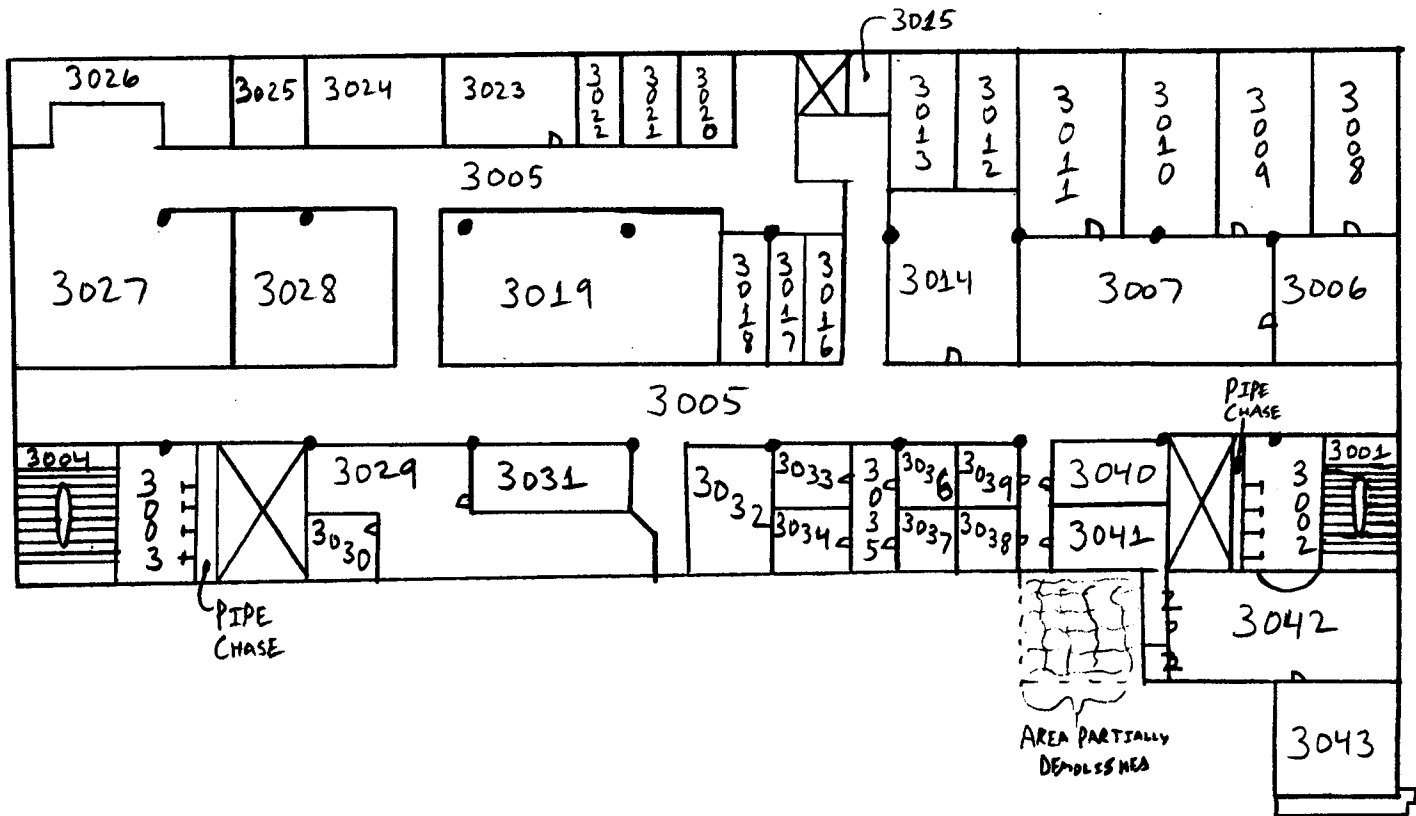


Sketch Is Not Drawn To Scale

FUNCTIONAL SPACE IDENTIFICATION

415 Orchard Street  
Rochester, New York 14606

*Pre-demolition Technical Memorandum*



### 3RD FLOOR (MAIN BUILDING)

Lu Project #: 4216



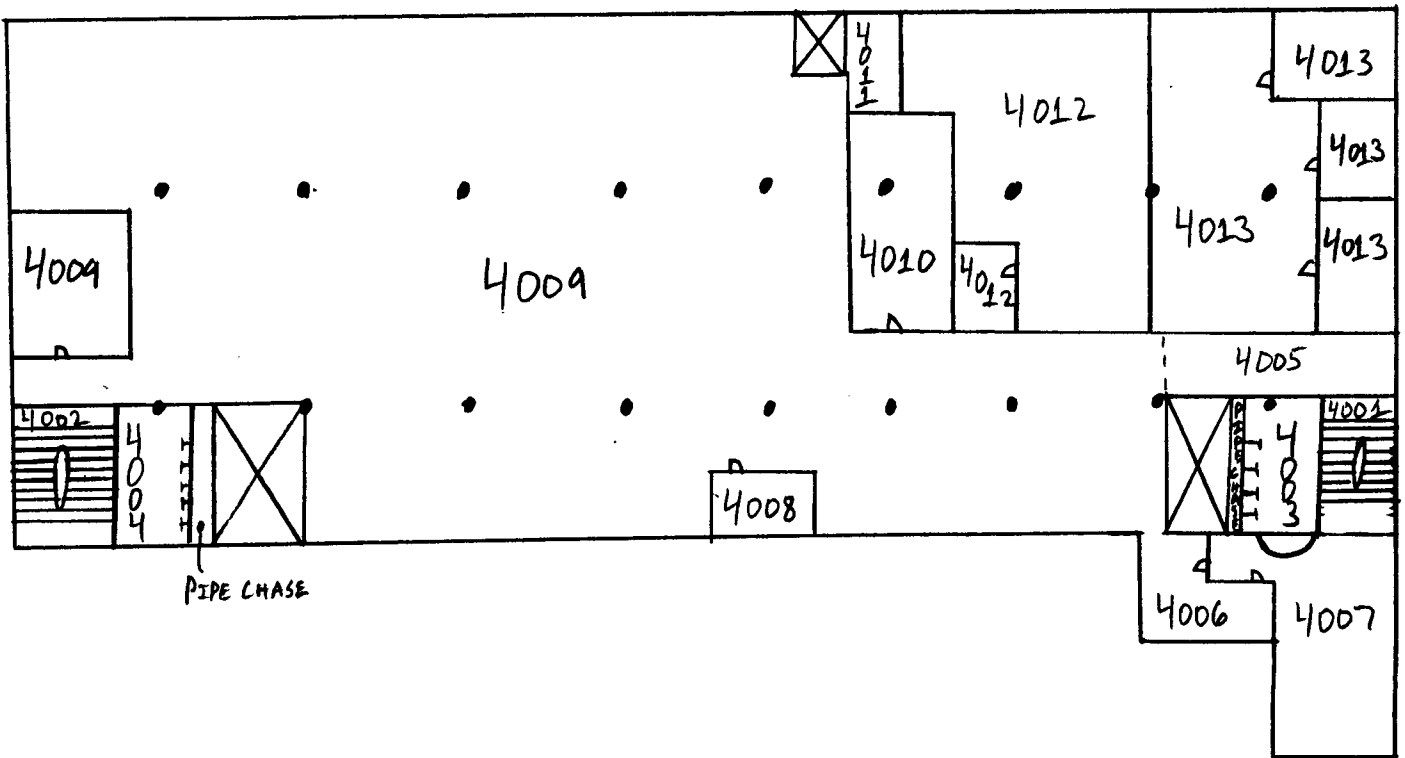
**LU ENGINEERS**  
Civil and Environmental

Sketch Is Not Drawn To Scale

### FUNCTIONAL SPACE IDENTIFICATION

415 Orchard Street  
Rochester, New York 14606

### Pre-demolition Technical Memorandum



4TH FLOOR (MAIN BUILDING)

Lu Project #: 4216

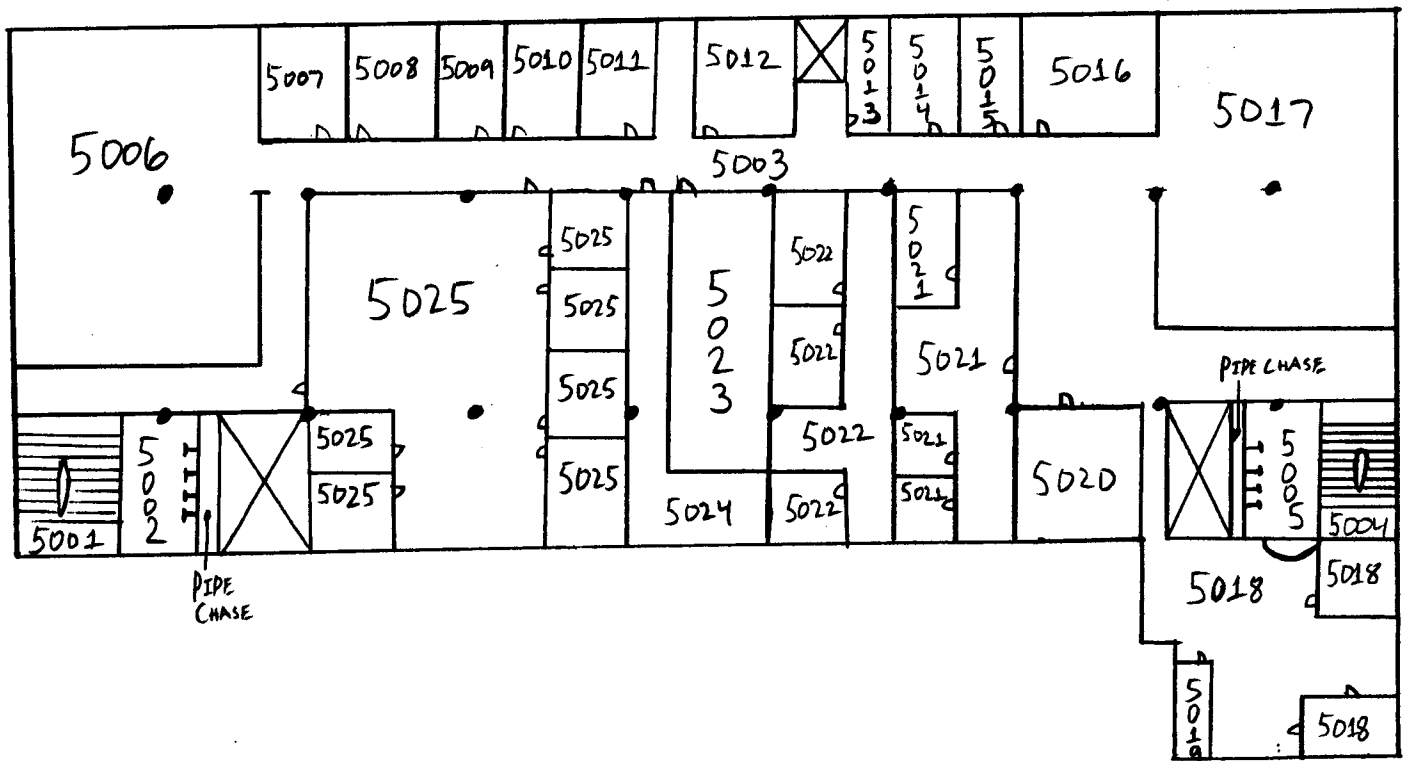


Sketch Is Not Drawn To Scale

FUNCTIONAL SPACE IDENTIFICATION

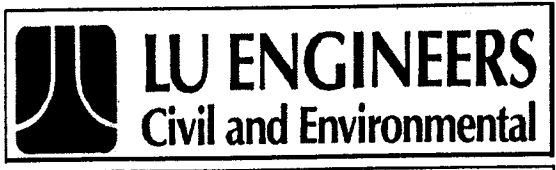
415 Orchard Street  
Rochester, New York 14606

*Pre-demolition Technical Memorandum*



5TH FLOOR (MAIN BUILDING)

Lu Project #: 4216



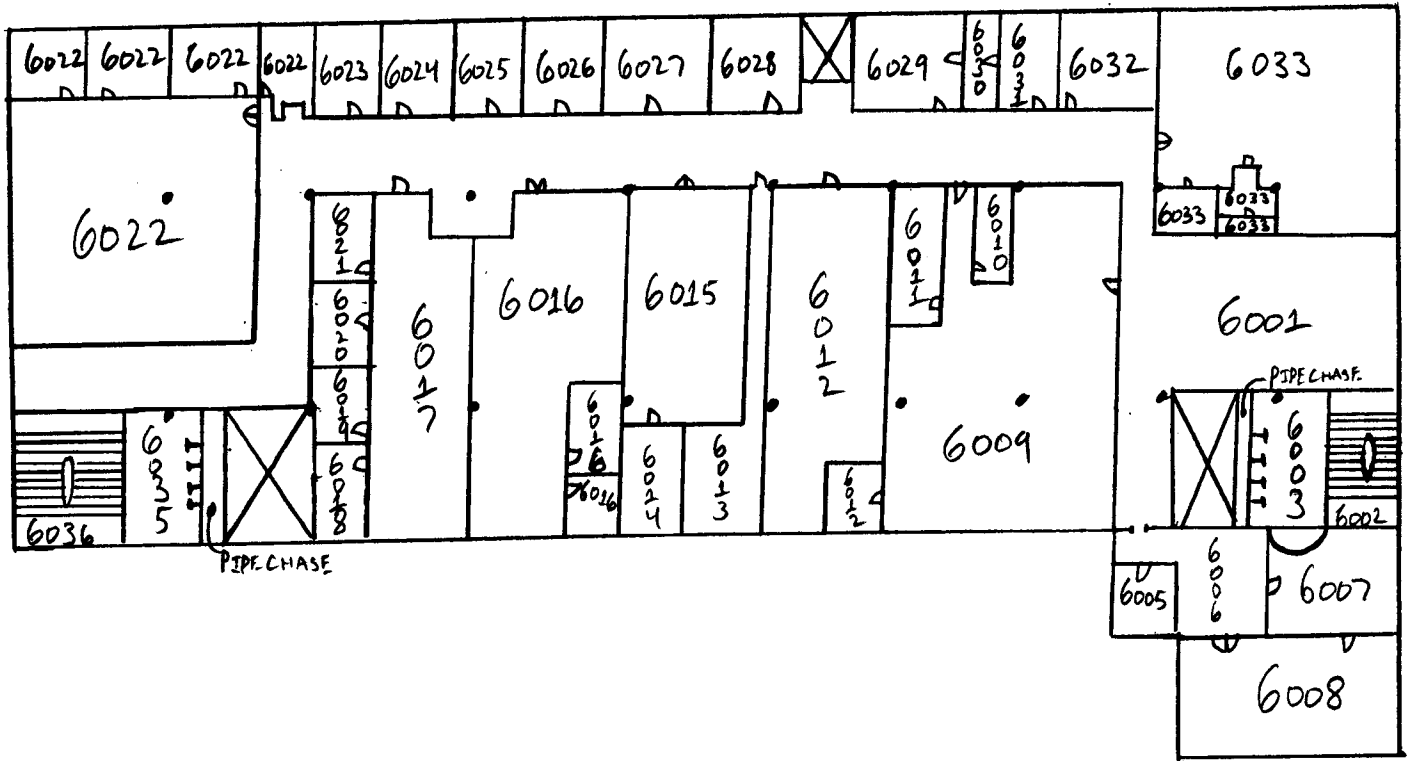
Sketch Is Not Drawn To Scale

FUNCTIONAL SPACE IDENTIFICATION

415 Orchard Street  
Rochester, New York 14606


Pre-demolition Technical Memorandum





6TH FLOOR (MAIN BUILDING)

Lu Project #: 4216

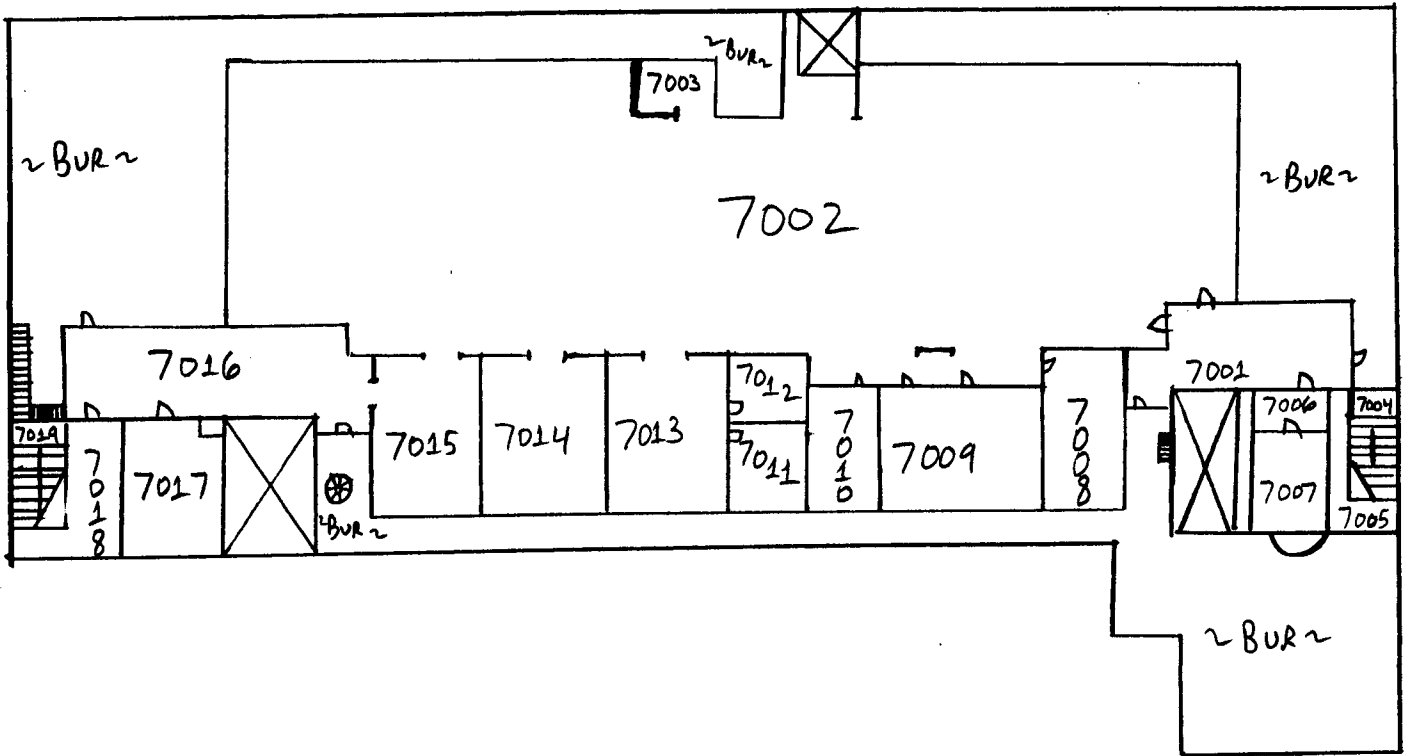
 **LU ENGINEERS**  
Civil and Environmental

Sketch Is Not Drawn To Scale

**FUNCTIONAL SPACE IDENTIFICATION**

415 Orchard Street  
Rochester, New York 14606

**Pre-demolition Technical Memorandum**



7TH FLOOR (MAIN BUILDING)

Lu Project #: 4216



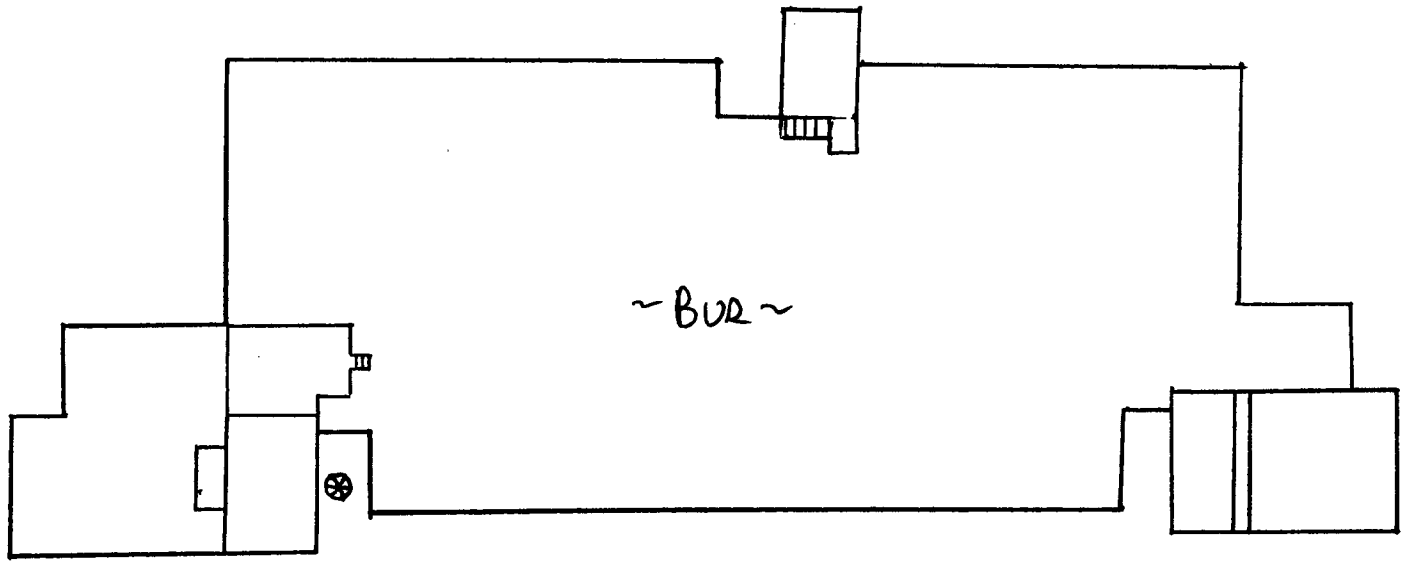
**LU ENGINEERS**  
Civil and Environmental

Sketch Is Not Drawn To Scale

**FUNCTIONAL SPACE IDENTIFICATION**

415 Orchard Street  
Rochester, New York 14606

**Pre-demolition Technical Memorandum**



MAIN BUILDING ROOF

Lu Project #: 4216



Sketch Is Not Drawn To Scale

**FUNCTIONAL SPACE IDENTIFICATION**

415 Orchard Street  
Rochester, New York 14606

***Pre-demolition Technical Memorandum***

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance Project No.: 4216 Space ID No.: 1018 Date of Inspection: 8/23/06  
 Building Address: 415 Orchard Street Type of Space: STAIRS Ceiling Height: 10 ft \_\_\_\_\_ in \_\_\_\_\_  
 Type of Structural Floor: CONC Type of Structural Walls: BRICK Type of Structural Deck: CONC Room Dimension: \_\_\_\_\_ x \_\_\_\_\_

Influence of Vibration: HIGH MODERATE (LOW/NONE) Potential for Air Erosion: HIGH MODERATE (LOW/NONE)  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N	
						Total	Damaged	D/D		P/D
<b>Surfacing Material</b>										
Ceiling										
Ceiling										
North Wall										
South Wall										
East Wall										
West Wall										
<b>Thermal System Insulation</b>										
Pipe Insulation	<u>132-34</u>		<u>White/Green</u>			<u>Y</u>	<u>S</u>	<u>S</u>	<u>1018 ONLY</u>	<u>Y</u>
Pipe Fittings	<u>33</u>		<u>Grey</u>			<u>Y</u>	<u>S</u>	<u>S</u>	<u>1018 ONLY</u>	<u>Y</u>
Pipe Insulation										
Pipe Fittings										
Duct Wrap										
Duct Tape										
<b>Miscellaneous Material</b>										
Ceiling	<u>CONC</u>									
North Wall	<u>2/3</u>					<u>Y</u>	<u>S</u>	<u>S</u>		<u>N</u>
South Wall	<u>2/3</u>					<u>Y</u>	<u>S</u>	<u>S</u>		<u>N</u>
East Wall	<u>2/3</u>					<u>Y</u>	<u>S</u>	<u>S</u>		<u>N</u>
West Wall	<u>2/3</u>					<u>Y</u>	<u>S</u>	<u>S</u>		<u>N</u>
Floor	<u>18/19</u>									
Cove Molding	<u>None</u>									

D/D - Degree of Damage  
 M - Minor  
 S - Significant  
 P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)



**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance  
 Building Address: 415 Orchard Street  
Rochester, New York

Project No.: 4216

Space ID No.: 1003 Date of Inspection: 8/23/28

Type of Space: BA03 room

Ceiling Height: 12 ft \_\_\_\_\_ in \_\_\_\_\_ x \_\_\_\_\_

Type of Structural Walls: LOW

Type of Structural Deck: LOW

Potential for Air Erosion: HIGH MODERATE (LOW/NONE) Room Dimension \_\_\_\_\_ x \_\_\_\_\_

Influence of Vibration: HIGH MODERATE (LOW/NONE)  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material				Total	D/D	P/D	NOTES:	ACM	Y/N
						Damaged	D/D	P/D	Notes						
<b>Surfacing Material</b>															
Ceiling															
Ceiling															
North Wall															
South Wall															
East Wall															
West Wall															
<b>Thermal System Insulation</b>															
Pipe Insulation															
Pipe Fittings															
Pipe Insulation															
Pipe Fittings															
Duct Wrap															
Duct Tape															
<b>Miscellaneous Material</b>															
Ceiling															
North Wall															
South Wall															
East Wall															
West Wall															
Floor															
Cove Molding															

D/D - Degree of Damage

M - Minor

S - Significant

P/D - Potential for Damage

M - Minor (Not Accessible)

N - Not Significant (O M Only)

S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Space ID No.: 1024 Date of Inspection 8/23/24  
 Type of Space: Pump Room  
 Ceiling Height: 7 ft in  
 Type of Structural Deck: CONC Room Dimension x

Project No.: 4216

Former Delco Appliance  
 415 Orchard Street  
 Rochester, New York

Type of Structural Walls: Block  
 Potential for Air Erosion: HIGH MODERATE LOW/NONE

Influence of Vibration: HIGH MODERATE LOW/NONE  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Total	Damaged	D/D	P/D	Suspect Material	
										ACM	Y/N
<b>Surfacing Material</b>											
Ceiling											
Ceiling											
North Wall											
South Wall											
East Wall											
West Wall											
<b>Thermal System Insulation</b>											
Pipe Insulation	32, 34		White/Cream			100%	Y	S	S		Y
Pipe Fittings	33		Grey	✓		100%	Y	S	S		Y
Pipe Insulation											
Pipe Fittings											
Duct Wrap											
Duct Tape											
<b>Miscellaneous Material</b>											
Ceiling	CONC				✓						
North Wall	CONC/2,3										
South Wall	CONC										
East Wall	CONC										
West Wall	AS										
Floor	CONC										
Cove Molding	NONE										
WALL FOSILTS (Flame Guards)						30%					Y

Assume positive due to access  
 (check w/ ACCESS DENIALS)

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

FIRE Door and FIRE CURTAIN

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: \_\_\_\_\_  
 Building Address: \_\_\_\_\_

Former Delco Appliance  
 415 Orchard Street  
 Rochester, New York

Project No.: 4216

Space ID No.: 1055  
 Type of Space: Brewing/Caribber  
 Date of Inspection: 8/23/26

Type of Structural Floor: CONC

Type of Structural Walls: CONC

Ceiling Height: \_\_\_\_\_ ft  
 Type of Structural Deck: CONC

Influence of Vibration: HIGH MODERATE LOW/NONE  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Potential for Air Erosion: HIGH MODERATE LOW/NONE  
 Room Dimension: \_\_\_\_\_ x \_\_\_\_\_

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N
						D/D	P/D	NOTES:	
<b>Surfacing Material</b>									
Ceiling									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation	32, 34		White/Cream	✓		Y	S		Y
Pipe Fittings	33		Grey	✓		Y	S		Y
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape									
<b>Miscellaneous Material</b>									
Ceiling	25			✓		Y	S		N
North Wall	1/28			✓		Y	S		N
South Wall	1/28			✓		Y	S		N
East Wall	1/4/28			✓		Y	S		N
West Wall	1/28			✓		Y	S		N
Floor	58/50		Red/Black	✓		Y	S	CARPET OVER	Y
Cove Molding	39/40			✓		Y	S		N

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)



**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

**1006A**

Building Name: Former Delco Appliance  
 Building Address: 415 Orchard Street  
 Rochester, New York

Project No.: 4216

Space ID No.: 1006

Date of Inspection: 8/23/86

Type of Space: LOBBY

Ceiling Height: \_\_\_\_\_ ft

Type of Structural Walls: BRICK

Type of Structural Deck: CONC

Potential for Air Erosion: HIGH

Room Dimension \_\_\_\_\_ x \_\_\_\_\_

Type of Structural Floor: \_\_\_\_\_

Influence of Vibration: HIGH MODERATE LOW/NONE

(AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Total	Damaged	D/D	P/D	Suspect Material	NOTES:	
											ACM	Y/N
<b>Surfacing Material</b>												
Ceiling												
Ceiling												
North Wall												
South Wall												
East Wall												
West Wall												
<b>Thermal System Insulation</b>												
Pipe Insulation												
Pipe Fittings												
Pipe Insulation												
Pipe Fittings												
Duct Wrap												
Duct Tape												
Duct Gasket												
<b>Miscellaneous Material</b>												
Ceiling												
North Wall												
South Wall												
East Wall												
West Wall												
Floor (CABINET/pipe)												
Cove Molding												

NOTE: 58, 59 IN 1006A (only)

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance  
 Building Address: 415 Orchard Street  
 Rochester, New York

Project No.: 4216

Space ID No.: 1057 Date of Inspection: 2/23/86  
 Type of Space: Former Room

Ceiling Height: Low ft \_\_\_\_\_ in \_\_\_\_\_  
 Type of Structural Deck: Low

Type of Structural Walls: Brick

Potential for Air Erosion: LOW/NONE

Potential for Air Erosion: HIGH

Potential for Air Erosion: Moderate

Influence of Vibration: LOW/NONE  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N
						Total	Damaged	D/D	
<b>Surfacing Material</b>									
Ceiling									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation	32, 34		White/Green	✓		60LF	7	5	5
Pipe Fittings	33		Grey	✓		105F	7	5	5
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape									
Flex Conduit	66			✓		105F	N	N	5
White Gasket	48			✓		105F	N	N	5
<b>Miscellaneous Material</b>									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
Floor									
Cove Molding									

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance Project No.: 4216 Space ID No.: 1008A Date of Inspection: 8/23/06  
 Building Address: 415 Orchard Street Type of Space: OFFICE Type of Structural Walls: Office Type of Structural Deck: CONC Room Dimension:      ft x      in  
 Rochester, New York

Type of Structural Floor: CONC Type of Structural Walls: Office Potential for Air Erosion: HIGH MODERATE LOW/NONE  
 Influence of Vibration: HIGH MODERATE LOW/NONE (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N
						Total	Damaged	D/D P/D	
<b>Surfacing Material</b>									
Ceiling									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation	<u>32, 34</u>		<u>White/Green</u>	<input checked="" type="checkbox"/>			<u>Y</u>	<u>S</u>	<u>Y</u>
Pipe Fittings	<u>33</u>		<u>Grey</u>	<input checked="" type="checkbox"/>			<u>Y</u>	<u>S</u>	<u>Y</u>
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape									
<b>Miscellaneous Material</b>									
Ceiling	<u>CONC</u>								
North Wall	<u>128</u>			<input checked="" type="checkbox"/>			<u>Y</u>	<u>S</u>	<u>N</u>
South Wall	<u>2/3, 128</u>			<input checked="" type="checkbox"/>			<u>Y</u>	<u>S</u>	<u>N</u>
East Wall	<u>2, 3, 128</u>			<input checked="" type="checkbox"/>			<u>Y</u>	<u>S</u>	<u>N</u>
West Wall	<u>128</u>			<input checked="" type="checkbox"/>			<u>Y</u>	<u>S</u>	<u>N</u>
Floor	<u>56, 57</u>		<u>Green/Yellow</u>	<input checked="" type="checkbox"/>			<u>Y</u>	<u>S</u>	<u>Y</u>
Cove Molding	<u>39, 40</u>			<input checked="" type="checkbox"/>			<u>Y</u>	<u>M</u>	<u>N</u>

D/D - Degree of Damage  
 M - Minor  
 S - Significant  
 P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

1009A, 1009B  
 Space ID No.: 1009 Date of Inspection 8/23/06  
 Type of Space: Office

INTERIOR ROOM-BY-ROOM INSPECTION FORM

Project No.: 4216  
 Former Delco Appliance  
 415 Orchard Street  
 Rochester, New York

Type of Structural Floor: Concrete  
 Type of Structural Walls: Block  
 Type of Structural Deck: Concrete  
 Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in  
 Type of Structural Deck: \_\_\_\_\_  
 Room Dimension \_\_\_\_\_ x \_\_\_\_\_

Influence of Vibration: HIGH MODERATE LOW/NONE  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable  
 Potential for Air Erosion: HIGH MODERATE LOW/NONE

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Total	Damaged	D/D	P/D	NOTES:	Suspect Material	ACM	Y/N
<b>Surfacing Material</b>													
Ceiling													
Ceiling													
North Wall													
South Wall													
East Wall													
West Wall													
<b>Thermal System Insulation</b>													
Pipe Insulation	33, 34		White/Green	✓		100%	✓	✓	✓				✓
Pipe Fittings	33		Green	✓		5%	✓	✓	✓				✓
Pipe Insulation													
Pipe Fittings													
Duct Wrap													
Duct Tape													
Pipe Gaskets	67			✓		100%	✓	✓	✓				✓
<b>Miscellaneous Material</b>													
Ceiling	Concrete												
North Wall	1, 28			✓			✓	✓	✓				✓
South Wall	1, 28, 213, 1, 28			✓			✓	✓	✓				✓
East Wall	1, 28			✓			✓	✓	✓				✓
West Wall	1, 28			✓			✓	✓	✓				✓
Floor	56, 57		Green/Yellow										✓
Cove Molding	39, 410												✓

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O.M. Only)  
 S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance  
 Building Address: 415 Orchard Street

Project No.: 4216

Space ID No.: 1010 Date of Inspection: 8/23/26  
 Type of Space: Office

Type of Structural Floor: Concrete

Rochester, New York

Type of Structural Walls: Brick

Ceiling Height: 10 ft

Type of Structural Deck: Concrete

Potential for Air Erosion: HIGH

Room Dimension: 10 x 10

Influence of Vibration: MODERATE  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Potential for Air Erosion: MODERATE

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Total	Damaged	D/D	P/D	Suspect Material	
										NOTES:	ACM

**Surfacing Material**

Ceiling											
Ceiling											
North Wall											
South Wall											
East Wall											
West Wall											

**Thermal System Insulation**

Pipe Insulation	32, 34		White/Green	✓	✓	14 DLF	✓	S	S		✓
Pipe Fittings	33		Grey	✓	✓	10 DLF	✓	S	S		✓
Pipe Insulation											
Pipe Fittings											
Duct Wrap											
Duct Tape											
Dry Cove	67					20 SF	✓	N	N		N

**Miscellaneous Material**

Ceiling	179			✓				S	S		N
North Wall	179, 215			✓				S	S		N
South Wall	179, 215			✓				S	S		N
East Wall	179			✓				S	S		N
West Wall	179			✓				S	S		N
Floor	68, 69, 56, 57		Green/Yellow	✓	✓			S	S	TARGET OVER POWER LAYERS LINDOLEUM	✓
Cove Molding	29, 40			✓	✓			N	N		N

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

INTERIOR ROOM-BY-ROOM INSPECTION FORM

Former Delco Appliance  
415 Orchard Street  
Rochester, New York

Project No.: 4216

Space ID No.:

Date of Inspection

1011, 1011A, 1011B, 1011C, 1011D, 1011E, 1011F  
8/23/06

Type of Space: OFFICES (3/4th PARTITIONED), 1011B has AFRONTAGE  
Ceiling Height: \_\_\_\_\_ ft  
Type of Structural Deck: CONCRETE

Type of Structural Walls: BRICK

Potential for Air Erosion: HIGH MODERATE LOW/NONE

Room Dimension \_\_\_\_\_ x \_\_\_\_\_

Influence of Vibration: HIGH MODERATE LOW/NONE  
(AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material	NOTES:			ACM Y/N
							Total	Damaged	D/D	
<b>Surfacing Material</b>										
Ceiling										
Ceiling										
North Wall										
South Wall										
East Wall										
West Wall										
<b>Thermal System Insulation</b>										
Pipe Insulation	32, 34		White/Green							
Pipe Fittings	33		GREEN							
Pipe Insulation										
Pipe Fittings										
Duct Wrap										
Duct Tape										
White Fiberglass	48		White							
<b>Miscellaneous Material</b>										
Ceiling	CONCRETE									
North Wall	SEE ABOVE									
South Wall	"									
East Wall	"									
West Wall	"									
Floor TILE	100, 101, 102, 103									
Cove Molding	39, 40									
WINDOW & GLAZING	13, 14		White/Pink							
(Both were WDA)	11									

D/D - Degree of Damage  
M - Minor  
S - Significant

P/D - Potential for Damage  
M - Minor (Not Accessible)  
N - Not Significant (O.M. Only)  
S - Significant (Accessible)

1012A  
1013  
1012  
8/23/06

INTERIOR ROOM-BY-ROOM INSPECTION FORM

Building Name: Former Delco Appliance  
Building Address: 415 Orchard Street  
Rochester, New York

Project No.: 4216  
Space ID No.:  
Type of Space: Offices

Type of Structural Floor: CONC  
Type of Structural Walls: BRICK  
Type of Structural Deck: CONC  
Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in  
Room Dimension: \_\_\_\_\_ x \_\_\_\_\_

Potential for Air Erosion: HIGH MODERATE (LOW/NONE)

Influence of Vibration: HIGH MODERATE (LOW/NONE)  
(AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Total	Damaged	D/D	P/D	NOTES:		ACM Y/N
										Suspect Material		
<b>Surfacing Material</b>												
Ceiling												
Ceiling												
North Wall												
South Wall												
East Wall												
West Wall												
<b>Thermal System Insulation</b>												
Pipe Insulation	32, 34		White/Green	✓			Y	3	3			Y
Pipe Fittings	33		Green	✓			Y	3	3			Y
Pipe Insulation												
Pipe Fittings												
Duct Wrap												
Duct Tape												
<b>Miscellaneous Material</b>												
Ceiling	CONC											
North Wall	1, 2A, 2, 3			✓			Y	3	3			N
South Wall	1, 2, 8			✓			Y	3	3			N
East Wall	1, 4, 2, 8			✓			Y	3	3			N
West Wall	1, 2, 8, 4			✓			Y	3	3			N
Floor	5, 6, 5, 9		Green/Yellow	✓			Y	3	3			N
Cove Molding	3, 4, 4, 0			✓			Y	3	3			N

D/D - Degree of Damage  
M - Minor  
S - Significant

P/D - Potential for Damage  
M - Minor (Not Accessible)  
N - Not Significant (O M Only)  
S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance      Project No.: 4216      Space ID No.: LD14      Date of Inspection: 8/23/66  
 Building Address: 415 Orchard Street      Type of Space: ABANDONED      Type of Structural Deck: CMC      Ceiling Height: 7 ft      Room Dimension:          x          in  
 Type of Structural Floor: CONC      Type of Structural Walls: BRICK      Potential for Air Erosion: HIGH      MODERATE LOW/NONE

Influence of Vibration: HIGH      MODERATE LOW/NONE      Type of Structural Deck: CMC      Room Dimension:          x          in  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Total	Damaged	D/D	P/D	NOTES:		ACM	Y/N
										Suspect Material			
<b>Surfacing Material</b>													
Ceiling													
Ceiling													
North Wall													
South Wall													
East Wall													
West Wall													
<b>Thermal System Insulation</b>													
Pipe Insulation	32, 34		White/Cream	✓		200F	Y	S	S				Y
Pipe Fittings	33		Grey	✓		500F	Y	S	S				Y
Pipe Insulation													
Pipe Fittings													
Duct Wrap													
Duct Tape													
Fiberglass Insulation	4A				✓	125F	N	N	N				N
<b>Miscellaneous Material</b>													
Ceiling	CONC												
North Wall	128			✓			Y	S	S				N
South Wall	128, 23			✓			Y	S	S				↓
East Wall	128			✓			Y	S	S				↓
West Wall	128			✓			Y	S	S				↓
Floor	56			✓			Y	S	S				Y
Cove Molding	7, 8			✓			Y	S	S				N

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O.M. Only)  
 S - Significant (Accessible)



**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance  
 Building Address: 415 Orchard Street  
Rochester, New York

Project No.: 4216

Space ID No.: 1016  
 Type of Space: MANUFACTURING  
 Date of Inspection: 8/23/06

Type of Structural Floor: CONC

Type of Structural Walls: BRICK

Ceiling Height: \_\_\_\_\_ ft  
 Type of Structural Deck: CONC

Influence of Vibration: HIGH MODERATE LOW/NONE  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Potential for Air Erosion: HIGH MODERATE LOW/NONE

Room Dimension: \_\_\_\_\_ x \_\_\_\_\_

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Total	Damaged	D/D	P/D	NOTES:		ACM Y/N
										Suspect Material		
<b>Surfacing Material</b>												
Ceiling												
Ceiling												
North Wall												
South Wall												
East Wall												
West Wall												
<b>Thermal System Insulation</b>												
Pipe Insulation	32, 34		White/Grey	✓			Y	S	S			Y
Pipe Fittings	33, 1		Grey	✓			Y	S	S			Y
Pipe Insulation												
Pipe Fittings												
Duct Wrap												
Duct Tape												
<b>Miscellaneous Material</b>												
Ceiling	CONC.			✓			Y	S	S			N
North Wall	1, 4, 28, 2, 3			✓			Y	S	S			N
South Wall	1, 4, 28, 2, 3			✓			Y	S	S			N
East Wall	1, 2, 8			✓			Y	S	S			N
West Wall	1, 2, 8, 4, 2, 3			✓			Y	S	S			N
Floor	CONC											
Cove Molding	None											
WALLS/GIRTS	13, 14		White/Pink	✓			Y	S	S			Y

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance      Project No.: 4216      Space ID No.: 1016-A      Date of Inspection: 8/23/06  
 Building Address: 415 Orchard Street      Type of Space: Office      Type of Structural Deck: Concrete      Ceiling Height:          ft      Room Dimension:          x          in  
 Type of Structural Floor: Concrete      Type of Structural Walls: Brick      Potential for Air Erosion: MODERATE (LOW/NONE)      Type of Structural Deck: Concrete

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N	
						Total	Damaged	D/D		P/D
<b>Surfacing Material</b>										
Ceiling										
Ceiling										
North Wall										
South Wall										
East Wall										
West Wall										
<b>Thermal System Insulation</b>										
Pipe Insulation	32, 34		White/Clean	✓						
Pipe Fittings	33		Grey	✓						
Pipe Insulation										
Pipe Fittings										
Duct Wrap										
Duct Tape										
<b>Miscellaneous Material</b>										
Ceiling	54			✓						
North Wall	128			✓						
South Wall	213			✓						
East Wall	228			✓						
West Wall	243			✓						
Floor	50, 57		Green/Yellow	✓						
Cove Molding	39, 40			✓						

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

# INTERIOR ROOM-BY-ROOM INSPECTION FORM

Building Name: Former Delco Appliance      Project No.: 4216      Space ID No.: 1217      Date of Inspection: 8/23/06  
 Building Address: 415 Orchard Street      Type of Space: Warehouse      Ceiling Height: 6 ft      Type of Structural Deck: LOW  
 Type of Structural Floor: LOW      Type of Structural Walls: BRICK      Potential for Air Erosion: HIGH      MODERATE (LOW/NONE)      Room Dimension: 6 x    in

Suspect Material

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Total	Damaged	D/D	P/D	NOTES:		ACM Y/N
<b>Surfacing Material</b>												
Ceiling												
Ceiling												
North Wall												
South Wall												
East Wall												
West Wall												
<b>Thermal System Insulation</b>												
Pipe Insulation												
Pipe Fittings												
Pipe Insulation												
Pipe Fittings												
Duct Wrap												
Duct Tape												
<b>Miscellaneous Material</b>												
Ceiling												
North Wall	<u>243</u>				✓				N	N		N
South Wall	<u>243</u>				✓				N	N		N
East Wall	<u>243</u>				✓				N	N		N
West Wall	<u>243</u>				✓				N	N		N
Floor	<u>18, 19</u>				✓				N	N		N
Cove Molding	<u>None</u>				✓							
	<u>13, 14</u>		<u>White/Pink</u>		✓				S	S		S

D/D - Degree of Damage  
 M - Minor  
 S - Significant  
 P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)



**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance  
 Building Address: 415 Orchard Street  
Rochester, New York

Project No.: 4216

Space ID No.: 1022 Date of Inspection: 8/23/06  
 Type of Space: MANUFACTURING

Type of Structural Floor: CONC

Type of Structural Walls: WOOD/BRICK Ceiling Height: 10 ft \_\_\_\_\_ in \_\_\_\_\_  
 Type of Structural Deck: WOOD/BRICK

Influence of Vibration: HIGH MODERATE LOW/NONE Potential for Air Erosion: HIGH MODERATE LOW/NONE Room Dimension \_\_\_\_\_ x \_\_\_\_\_

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Total	Damaged	D/D	P/D	Suspect Material	
										ACM	Y/N
<b>Surfacing Material</b>											
Ceiling											
Ceiling											
North Wall											
South Wall											
East Wall											
West Wall											
<b>Thermal System Insulation</b>											
Pipe Insulation	32, 34		White/Grey	✓		175LF	Y	S	S		Y
Pipe Fittings	33		Grey	✓		25LF	Y	S	S		Y
Pipe Insulation											
Pipe Fittings											
Duct Wrap											
Duct Tape											
Duct Gasket	48		White	✓		25SF	Y	S	S		Y
<b>Miscellaneous Material</b>											
Ceiling											
North Wall	19, 28			✓			Y	S	S		N
South Wall	27			✓			N	N	N		N
East Wall	WOOD			✓			N	N	N		N
West Wall	45, 46			✓			Y	S	S		N
Floor	CONC										
Cove Molding	WOOD										
	71			✓		300LF	Y	M	M		N

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance Project No.: 4216 Space ID No.: 1023 Date of Inspection: 8/24/02  
 Building Address: 415 Orchard Street Type of Space: STEEL/WOOD Ceiling Height: 10 ft \_\_\_\_\_ in \_\_\_\_\_  
 Type of Structural Floor: WOOD Type of Structural Walls: BRICK/WOOD Type of Structural Deck: STEEL/WOOD Room Dimension: \_\_\_\_\_ x \_\_\_\_\_

Influence of Vibration: HIGH MODERATE LOW/NONE  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable  
 Potential for Air Erosion: HIGH MODERATE LOW/NONE

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N	
						Total	Damaged	D/D		P/D
<b>Surfacing Material</b>										
Ceiling										
Ceiling										
North Wall										
South Wall										
East Wall										
West Wall										
<b>Thermal System Insulation</b>										
Pipe Insulation	32, 34		White/cream	✓		15LF	4	3	3	Y
Pipe Fittings	33		Grey	✓		1LF	4	3	3	Y
Pipe Insulation										
Pipe Fittings										
Duct Wrap										
Duct Tape										
<b>Miscellaneous Material</b>										
Ceiling			Steel/wood							
North Wall			wood							
South Wall			2/3							
East Wall			37 wood/metal	✓			4	3	3	N
West Wall			wood							N
Floor			concrete							
Cove Molding			wood							
<i>NO GLASS IN WALLS</i>										

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: \_\_\_\_\_ Project No.: 4216 Space ID No.: 1024 Date of Inspection: 8/29/06  
 Building Address: 415 Orchard Street Type of Space: Office  
 Rochester, New York Type of Structural Walls: Wood/Brick Type of Structural Deck: Steel/Concrete  
 Type of Structural Floor: Concrete Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in  
 Influence of Vibration: HIGH MODERATE (LOW/NONE) Potential for Air Erosion: HIGH MODERATE (LOW/NONE) Room Dimension: \_\_\_\_\_ x \_\_\_\_\_  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Total	Damaged	D/D	P/D	NOTES:	Suspect Material	
											ACM	Y/N
<b>Surfacing Material</b>												
Ceiling												
Ceiling												
North Wall												
South Wall												
East Wall												
West Wall												
<b>Thermal System Insulation</b>												
Pipe Insulation	32, 34		White/Green				30LF	3	3			Y
Pipe Fittings	33		Grey				5LF	3	3			Y
Pipe Insulation												
Pipe Fittings												
Duct Wrap												
Duct Tape												
<b>Miscellaneous Material</b>												
Ceiling	25							Y	3	3		N
North Wall	73, 74, 75, 36, 47							Y	3	3	1, 4, 29 Behind	N
South Wall	73, 74, 75, 36, 47							Y	3	3		N
East Wall	73, 74, 75, 36, 47							Y	3	3		↓
West Wall	73, 74, 75, 36, 47							Y	3	3		↓
Floor	CONCRETE											
Cove Molding	76, 77							Y	3	M		N

D/D - Degree of Damage  
 M - Minor  
 S - Significant  
 P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

WINDOWS HAVE NO INTERNAL CURVE OR GLASS HERE.

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

1025 A  
 Space ID No.: 1025  
 Date of Inspection: 8/29/66

Project No.: 4216

Former Delco Appliance  
 415 Orchard Street  
 Rochester, New York

Type of Space: 5715.58  
 Ceiling Height: \_\_\_\_\_ ft  
 Type of Structural Deck: WDR  
 Room Dimension: \_\_\_\_\_ x \_\_\_\_\_

Type of Structural Walls: WDR  
 Potential for Air Erosion: HIGH MODERATE (LOW/NONE)

Influence of Vibration: HIGH MODERATE (LOW/NONE)  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Total	Damaged	D/D	P/D	NOTES:	
										Suspect Material	ACM Y/N
<b>Surfacing Material</b>											
Ceiling											
Ceiling											
North Wall											
South Wall											
East Wall											
West Wall											
<b>Thermal System Insulation</b>											
Pipe Insulation	32, 34		White/Cream	✓			Y	S	S		Y
Pipe Fittings	33		Grey	✓			Y	S	S		Y
Pipe Insulation											
Pipe Fittings											
Duct Wrap											
Duct Tape											
<b>Miscellaneous Material</b>											
Ceiling	25, Wood			✓			Y	S	S		N
North Wall	73, 74, 75, 47			✓			Y	S	S		N
South Wall	73, 24, 75, 47			✓			Y	S	S		N
East Wall	73, 24, 75, 47			✓			Y	S	S		N
West Wall	1, 4, 24			✓			Y	S	S		N
Floor	60, 61, 62										
Cove Molding	77, 76			✓			Y	A	M		N

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)





**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance Project No.: 4216 Space ID No.: 1028 Date of Inspection: 8/29/26  
 Building Address: 415 Orchard Street Type of Space: Women's Area Ceiling Height: wood ft \_\_\_\_\_ in \_\_\_\_\_  
 Type of Structural Floor: wood Type of Structural Walls: Block Type of Structural Deck: wood Room Dimension: \_\_\_\_\_ x \_\_\_\_\_  
 Influence of Vibration: HIGH MODERATE LOW/NONE Potential for Air Erosion: HIGH MODERATE LOW/NONE  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Total	Damaged	D/D	P/D	Suspect Material	
										ACM	Y/N
<b>Surfacing Material</b>											
Ceiling											
Ceiling											
North Wall	9			✓			N	M	M		N
South Wall	9			✓			N	M	M		
East Wall	9			✓			N	M	M		
West Wall	9			✓			N	M	M		
<b>Thermal System Insulation</b>											
Pipe Insulation	32, 34		White/Green	✓			S	S	S		S
Pipe Fittings	33		Grey	✓			S	S	S		S
Pipe Insulation											
Pipe Fittings											
Duct Wrap											
Duct Tape											
<b>Miscellaneous Material</b>											
Ceiling											
North Wall											
South Wall											
East Wall											
West Wall											
Floor	78, 79, 80			✓			N	N	N		N
Cove Molding	78, 79, 81			✓			N	N	N		N

D/D - Degree of Damage  
 M - Minor  
 S - Significant  
 P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Project No.: 4216

Former Delco Appliance  
415 Orchard Street  
Rochester, New York

Building Name:  
Building Address:

Space ID No.: 1029 Date of Inspection 8/24/26

Type of Space: Office

Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in

Type of Structural Deck: wood

Room Dimension \_\_\_\_\_ x \_\_\_\_\_

Type of Structural Walls: wood

Potential for Air Erosion: HIGH MODERATE LOW/NONE

Type of Structural Floor: concrete

Influence of Vibration: HIGH MODERATE LOW/NONE

(AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Total	Damaged	D/D	P/D	NOTES:		Suspect Material	ACM	Y/N
<b>Surfacing Material</b>														
Ceiling														
Ceiling														
North Wall														
South Wall														
East Wall														
West Wall														
<b>Thermal System Insulation</b>														
Pipe Insulation	32, 34		White/cream	✓		200LF	Y	S	S					Y
Pipe Fittings	33		Green	✓		15LF	Y	S	S					Y
Pipe Insulation														
Pipe Fittings														
Duct Wrap														
Duct Tape														
Duct Cable	67		Black	✓		105F	N	N	N					N
<b>Miscellaneous Material</b>														
Ceiling	54			✓			Y	S	S					N
North Wall	44, 28			✓			Y	S	S					N
South Wall	44, 28			✓			Y	S	S					N
East Wall	44, 28			✓			Y	S	S					N
West Wall	44, 28			✓			Y	S	S					N
Floor	82, 83			✓			Y	S	S			#82-Tan linoleum w/let tan speck only		Y
Cove Molding	39, 42			✓			Y	S	S					N
	11			✓		62FS	Y	S	S					N

D/D - Degree of Damage  
M - Minor  
S - Significant

P/D - Potential for Damage  
M - Minor (Not Accessible)  
N - Not Significant (O M Only)  
S - Significant (Accessible)

INTERIOR ROOM-BY-ROOM INSPECTION FORM

Building Name: Former Delco Appliance  
 Building Address: 415 Orchard Street  
Rochester, New York

Project No.: 4216

Space ID No.: 1030 Date of Inspection: 2/24/08  
 Type of Space: Laboratory

Ceiling Height: 12 ft  
 Type of Structural Deck: Wood

Type of Structural Walls: Wood

Room Dimension:    x   

Type of Structural Floor: Concrete  
 Influence of Vibration: HIGH MODERATE (LOW/NONE)  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Potential for Air Erosion: HIGH MODERATE (LOW/NONE)

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Total	Damaged	D/D	P/D	NOTES:	Suspect Material	ACM	Y/N
<b>Surfacing Material</b>													
Ceiling													
Ceiling													
North Wall													
South Wall													
East Wall													
West Wall													
<b>Thermal System Insulation</b>													
Pipe Insulation	<u>32134</u>		<u>White/Green</u>			<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>S</u>				<u>Y</u>
Pipe Fittings													
Pipe Insulation													
Pipe Fittings													
Duct Wrap													
Duct Tape													
<b>Miscellaneous Material</b>													
Ceiling													
North Wall													
South Wall													
East Wall													
West Wall													
Floor													
Cove Molding													

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance Project No.: 4216 Space ID No.: 1231 Date of Inspection: 8/24/26  
 Building Address: 415 Orchard Street Type of Space: SPARE PARTS / PDE 6464  
 Type of Structural Floor: CONCRETE Type of Structural Walls: PLASTER Ceiling Height: WOOD in \_\_\_\_\_ ft \_\_\_\_\_ in \_\_\_\_\_  
 Type of Structural Deck: WOOD Room Dimension \_\_\_\_\_ x \_\_\_\_\_  
 Influence of Vibration: HIGH MODERATE LOW/NONE Potential for Air Erosion: HIGH MODERATE LOW/NONE

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N
						Total	Damaged	D/D P/D	
<b>Surfacing Material</b>									
Ceiling	9				✓	Y	M	S	N
Ceiling									
North Wall	9				✓	Y	M	S	N
South Wall	9				✓	Y	M	S	
East Wall	9				✓	Y	M	S	
West Wall	9				✓	Y	M	S	
<b>Thermal System Insulation</b>									
Pipe Insulation	32, 34		White/Green	✓		Y	S	S	Y
Pipe Fittings	33		Grey	✓		Y	S	S	Y
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape	114			✓		Y	M	M	Y
<b>Miscellaneous Material</b>									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
Floor									
Cove Molding									

D/D - Degree of Damage  
 M - Minor  
 S - Significant  
 P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

1035  
1034  
1033, 1032A  
1032  
8/24/06

INTERIOR ROOM-BY-ROOM INSPECTION FORM

Building Name: Former Delco Appliance  
Building Address: 415 Orchard Street  
Rochester, New York

Project No.: 4216

Space ID No.:  
Type of Space: COLLAPSED  
Date of Inspection: 8/24/06

Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in  
Type of Structural Deck: WOOD/CONCRETE  
Room Dimension: \_\_\_\_\_ x \_\_\_\_\_

Type of Structural Walls: WOOD  
Potential for Air Erosion: HIGH MODERATE LOW/NONE

Influence of Vibration: HIGH MODERATE LOW/NONE  
(AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N
						Total	Damaged	D/D P/D	
<b>Surfacing Material</b>									
Ceiling									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation	32, 34		White/cream	✓		1000LF	3	3	Y
Pipe Fittings	33		Grey	✓		2000LF	3	3	Y
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape									
FURNACE EXHAUST	48		White	✓		40SF	1	1	Y
<b>Miscellaneous Material</b>									
Ceiling	Wood/Metal			✓			3	3	N
North Wall	14, 28, 37			✓			3	3	N
South Wall	WOOD			✓			3	3	N
East Wall	14, 28			✓			3	3	N
West Wall	14, 28			✓			3	3	N
Floor	CONCRETE								
Cove Molding	WOOD			✓			1	1	N
	71								

NOTES:

1035 (E-WALL), 1032A (ceiling)

309, FOR 1033 ONLY

PAPER PARTITIONS ARE Y/G

WINDOWS (NO INTERIOR FLASHING, NO CAULKING)

P/D - Potential for Damage  
M - Minor (Not Accessible)  
N - Not Significant (O M Only)  
S - Significant (Accessible)

D/D - Degree of Damage  
M - Minor  
S - Significant

INTERIOR ROOM-BY-ROOM INSPECTION FORM

Building Name: Former Delco Appliance  
 Building Address: 415 Orchard Street

Project No.: 4216

Space ID No.: 1036 Date of Inspection: 8/27/06  
 Type of Space: Men's / Women's Prison

Ceiling Height:        ft \_\_\_\_\_ in \_\_\_\_\_  
 Type of Structural Deck: WOOD Room Dimension \_\_\_\_\_ x \_\_\_\_\_

Type of Structural Walls: WOOD

Potential for Air Erosion: HIGH MODERATE LOW/NONE

Influence of Vibration: HIGH MODERATE LOW/NONE  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N
						Total	Damaged	D/D P/D	
<b>Surfacing Material</b>									
Ceiling									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation	<u>None</u>								
Pipe Fittings									
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape									
<b>Miscellaneous Material</b>									
Ceiling	<u>59</u>			<input checked="" type="checkbox"/>					<u>N</u>
North Wall	<u>73, 74, 75</u>			<input checked="" type="checkbox"/>		<u>S</u>	<u>S</u>		<u>N</u>
South Wall				<input checked="" type="checkbox"/>		<u>S</u>	<u>S</u>	<u>Double, 1, 4, 2, 8 ALSO</u>	
East Wall				<input checked="" type="checkbox"/>		<u>S</u>	<u>S</u>		
West Wall				<input checked="" type="checkbox"/>		<u>S</u>	<u>S</u>		
Floor	<u>84, 85</u>			<input checked="" type="checkbox"/>		<u>N</u>	<u>N</u>		<u>N</u>
Cove Molding	<u>39, 40</u>			<input checked="" type="checkbox"/>		<u>N</u>	<u>N</u>		<u>N</u>

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance Project No.: 4216 Space ID No.: 1037 Date of Inspection: 8/24/26  
 Building Address: 415 Orchard Street Type of Space: \_\_\_\_\_ Type of Structural Walls: Walls Type of Structural Deck: \_\_\_\_\_  
 Type of Structural Floor: Cove Type of Structural Walls: \_\_\_\_\_ Potential for Air Erosion: HIGH MODERATE LOW/NONE Room Dimension: \_\_\_\_\_ x \_\_\_\_\_  
 Influence of Vibration: HIGH MODERATE LOW/NONE Color: \_\_\_\_\_  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N
						Total	Damaged	D/D	
<b>Surfacing Material</b>									
Ceiling									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation									
Pipe Fittings									
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape									
<b>Miscellaneous Material</b>									
Ceiling	54								N
North Wall	14, 26								N
South Wall	19, 29								
East Wall	14, 28								
West Wall	14, 28								
Floor	32, 43								
Cove Molding	39, 40								N

D/D - Degree of Damage  
 M - Minor  
 S - Significant  
 P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)



1038 B, 1038 L, 1038 D, 1038 E, 1038 F  
 1038 A  
 Date of Inspection: 8/24/06  
 Type of Space: OFFICES / CONFERENCE

INTERIOR ROOM-BY-ROOM INSPECTION FORM

Project No.: 4216  
 Former Delco Appliance  
 415 Orchard Street  
 Rochester, New York

Space ID No.: 1038  
 Date of Inspection: 8/24/06  
 Type of Space: OFFICES / CONFERENCE

Type of Structural Floor: CONC  
 Type of Structural Walls: WOOD  
 Type of Structural Deck: WOOD  
 Ceiling Height: 10 ft  
 Room Dimension: 10 x 10 ft

Influence of Vibration: HIGH MODERATE LOW/NONE  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable  
 Potential for Air Erosion: HIGH MODERATE LOW/NONE

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N
						D/D	P/D	NOTES:	
<b>Surfacing Material</b>									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation	32, 34		White/Green	✓		Y	S	S	Y
Pipe Fittings	33		Green	✓		Y	S	S	Y
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape									
<b>FRAGILE FABRIC</b>									
				✓		Y	M	S	Y
<b>Miscellaneous Material</b>									
Ceiling	54			✓		Y	S	S	N
North Wall	14, 28, 73			✓		Y	S	S	↓
South Wall	14, 28, 73			✓		Y	S	S	↓
East Wall	14, 28, 73			✓		Y	S	S	↓
West Wall	14, 28, 73			✓		Y	S	S	↓
Floor	PARQUET/LAMINATE								
Cove Molding	39, 70			✓		N	N	N	N

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Project No.: 4216

Space ID No.: 1039 Date of Inspection: 8/24/06  
 Type of Space: Conference

Former Delco Appliance  
 415 Orchard Street  
 Rochester, New York

Ceiling Height: \_\_\_\_\_ ft  
 Type of Structural Deck: Wood Room Dimension: \_\_\_\_\_ x \_\_\_\_\_

Type of Structural Walls: Wood

Potential for Air Erosion: HIGH MODERATE (LOW/NONE)

Influence of Vibration: HIGH MODERATE (LOW/NONE)  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N
						Total	Damaged	D/D P/D	
<b>Surfacing Material</b>									
Ceiling									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation	32, 34		White/cream			Y	S	S	Y
Pipe Fittings	33		Grey			Y	S	S	Y
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape									
Other	67					Y	N	N	N
<b>Miscellaneous Material</b>									
Ceiling	54								N
North Wall	49, 28, 73					Y	S	S	Y
South Wall	49, 28, 73					Y	S	S	Y
East Wall	49, 28, 73					Y	S	S	Y
West Wall	49, 28, 73					Y	S	S	Y
Floor	82, 83					Y	N	N	Y
Cove Molding	39, 40					Y	N	N	Y

#82 TAN LINOLEUM ONLY (+)

Windows do not have curll on GLA + ING (INT.)

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance  
 Building Address: 415 Orchard Street  
Rochester, New York

Project No.: 4216

Space ID No.: 1040 Date of Inspection: 8/24/06  
 Type of Space: ABANDONED

Type of Structural Floor: CONC

Type of Structural Walls: WBR

Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in  
 Type of Structural Deck: WBR

Influence of Vibration: HIGH MODERATE LOW/NONE  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Potential for Air Erosion: HIGH MODERATE LOW/NONE

Room Dimension \_\_\_\_\_ x \_\_\_\_\_

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N
						Total	Damaged	D/D P/D	
<b>Surfacing Material</b>									
Ceiling									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation	<u>None</u>								
Pipe Fittings									
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape									
<b>Miscellaneous Material</b>									
Ceiling	<u>54</u>			<input checked="" type="checkbox"/>					<u>N</u>
North Wall	<u>1, 2, 3, 7, 8, 9, 10</u>			<input checked="" type="checkbox"/>					<u>N</u>
South Wall				<input checked="" type="checkbox"/>					<u>N</u>
East Wall				<input checked="" type="checkbox"/>					<u>N</u>
West Wall				<input checked="" type="checkbox"/>					<u>N</u>
Floor	<u>24, 25</u>			<input checked="" type="checkbox"/>					<u>N</u>
Cove Molding	<u>29, 40</u>			<input checked="" type="checkbox"/>					<u>N</u>

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)



### INTERIOR ROOM-BY-ROOM INSPECTION FORM

**Building Name:** Former Delco Appliance  
**Building Address:** 415 Orchard Street  
 Rochester, New York

**Project No.:** 4216

**Space ID No.:** PCE      **Date of Inspection:** 8/23/20  
**Type of Space:** Produce Fast (1st floor)

**Ceiling Height:** \_\_\_\_\_ ft  
**Type of Structural Deck:** \_\_\_\_\_  
**Potential for Air Erosion:** HIGH MODERATE LOW/NONE      **Room Dimension:** \_\_\_\_\_ x \_\_\_\_\_

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Total	Damaged	D/D	P/D	NOTES:	Suspect Material	ACM
												Y/N
<b>Surfacing Material</b>												
Ceiling												
Ceiling												
North Wall												
South Wall												
East Wall												
West Wall												
<b>Thermal System Insulation</b>												
Pipe Insulation	3-2-34		White/Green	✓		2 DLP	Y	S	S			Y
Pipe Fittings	33		Grey	✓		5 LF	Y	S	S			Y
Pipe Insulation												
Pipe Fittings												
Duct Wrap												
Duct Tape												
<b>Miscellaneous Material</b>												
Ceiling	None											
North Wall	2/3				✓		N	N	N			N
South Wall	2/3				✓		N	N	N			
East Wall	2/3				✓		N	N	N			
West Wall	2/3				✓		N	N	N			
Floor	None											
Cove Molding												

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Project No.: 4216  
 Space ID No.: 2002  
 Date of Inspection: 8.12.06

Former Delco Appliance  
 415 Orchard Street  
 Rochester, New York

Type of Space: STAIRS  
 Ceiling Height: \_\_\_\_\_ ft  
 Type of Structural Deck: \_\_\_\_\_

Type of Structural Floor: \_\_\_\_\_  
 Type of Structural Walls: \_\_\_\_\_  
 Potential for Air Erosion: HIGH MODERATE LOW/NONE

Influence of Vibration: HIGH MODERATE LOW/NONE  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N
						Total	Damaged	D/D P/D	
<b>Surfacing Material</b>									
Ceiling									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation	22, 24		White/Green	✓		15	F	S	S
Pipe Fittings									
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape									
<b>Miscellaneous Material</b>									
Ceiling	202C				✓				
North Wall	22				✓				
South Wall	23				✓				
East Wall	23				✓				
West Wall	23				✓				
Floor	18, 19				✓				
Cove Molding	13, 14		White/Pink		✓	1205F			
Staircase									

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)



INTERIOR ROOM-BY-ROOM INSPECTION FORM

Space ID No.: 2005 Date of Inspection 2-18-06  
 Type of Space: VACUUM  
 Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in  
 Type of Structural Deck \_\_\_\_\_ Room Dimension \_\_\_\_\_ x \_\_\_\_\_

Project No.: 4216  
 Type of Structural Walls \_\_\_\_\_  
 Potential for Air Erosion: HIGH MODERATE LOW/NONE

Former Delco Appliance  
 415 Orchard Street  
 Rochester, New York

Type of Structural Floor \_\_\_\_\_  
 Influence of Vibration: HIGH MODERATE LOW/NONE  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable  
 Type of Structural Walls \_\_\_\_\_  
 Potential for Air Erosion: HIGH MODERATE LOW/NONE

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Total	Damaged	D/D	P/D	NOTES:	Suspect Material	ACM	
												Y	N
<b>Surfacing Material</b>													
Ceiling													
Ceiling													
North Wall													
South Wall													
East Wall													
West Wall													
<b>Thermal System Insulation</b>													
Pipe Insulation													
Pipe Fittings													
Pipe Insulation													
Pipe Fittings													
Duct Wrap													
Duct Tape													
<b>Miscellaneous Material</b>													
Ceiling	54			✓							OVER COUL.		N
North Wall	1, 4, 7B			✓					S	S			→
South Wall	1, 4, 7B			✓					↓				
East Wall	1, 4, 7B			✓									
West Wall	1, 4, 7B			✓									
Floor	DOOD			✓									
Cove Molding	39, 40			✓					S	S	SOME DOOD		N
CALCULATED	13, 14		White/Pink	✓					S	S			✓

D/D - Degree of Damage  
 M - Minor  
 S - Significant  
 P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)



**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance  
 Building Address: 415 Orchard Street  
Rochester, New York

Project No.: 4216

Space ID No.: 200 Date of Inspection: 8/18/06

Type of Space: Fireplace

Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in

Type of Structural Deck: \_\_\_\_\_

Type of Structural Walls: \_\_\_\_\_

Type of Structural Floor: \_\_\_\_\_

Potential for Air Erosion: HIGH

Moderate (LOW/NONE)

Room Dimension: \_\_\_\_\_ x \_\_\_\_\_

Influence of Vibration: HIGH MODERATE LOW/NONE  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N
						Total	Damaged	D/D P/D	
<b>Surfacing Material</b>									
Ceiling									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation									
Pipe Fittings									
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape									
Duct Gaskets									
	55		White	✓				S	N
	49							N	N
<b>Miscellaneous Material</b>									
Ceiling									
North Wall	14, 28			✓				S	N
South Wall	44, 27, 4			✓				↓	↓
East Wall	44, 27, 4			✓				↓	↓
West Wall	44, 27, 4			✓				↓	↓
Floor									
Cove Molding	Door				✓				

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

INTERIOR ROOM-BY-ROOM INSPECTION FORM

Space ID No.: 2007 Date of Inspection 2/18/06

Project No.: 4216

Former Delco Appliance  
415 Orchard Street  
Rochester, New York

Type of Space: \_\_\_\_\_  
Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in  
Type of Structural Deck \_\_\_\_\_  
Type of Structural Walls \_\_\_\_\_  
Potential for Air Erosion: HIGH MODERATE LOW/NONE

Influence of Vibration: HIGH MODERATE LOW/NONE  
(AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Total			Suspect Material	ACM Y/N
						Damaged	D/D	P/D		
<b>Surfacing Material</b>										
Ceiling										
Ceiling										
North Wall										
South Wall										
East Wall										
West Wall										
<b>Thermal System Insulation</b>										
Pipe Insulation										
Pipe Fittings										
Pipe Insulation										
Pipe Fittings										
Duct Wrap										
Duct Tape										
<b>Miscellaneous Material</b>										
Ceiling	<u>CODE</u>				<input checked="" type="checkbox"/>					
North Wall	<u>1, 4, 7B, 7C</u>							<u>Y</u>	<u>S</u>	<u>S</u>
South Wall	<u>ROOF</u>									
East Wall	<u>ROOF</u>									
West Wall	<u>CODE</u>									
Floor	<u>ROOF</u>									
Cove Molding	<u>13, 14</u>		<u>White Pink</u>		<input checked="" type="checkbox"/>			<u>Y</u>	<u>S</u>	<u>S</u>
<u>GLAZING</u>										

D/D - Degree of Damage  
M - Minor  
S - Significant

P/D - Potential for Damage  
M - Minor (Not Accessible)  
N - Not Significant (O M Only)  
S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance      Space ID No.: 100B      Date of Inspection: 2/18/06  
 Building Address: 415 Orchard Street      Type of Space: \_\_\_\_\_      Ceiling Height: \_\_\_\_\_ ft      Type of Structural Deck: \_\_\_\_\_  
 \_\_\_\_\_      \_\_\_\_\_      \_\_\_\_\_      \_\_\_\_\_      \_\_\_\_\_      \_\_\_\_\_  
 Type of Structural Floor: Rochester, New York      Type of Structural Walls: \_\_\_\_\_      Potential for Air Erosion: HIGH MODERATE (LOW/NONE)      Room Dimension: \_\_\_\_\_ x \_\_\_\_\_  
 Influence of Vibration: HIGH MODERATE (LOW/NONE)      (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N
						Total	Damaged	D/D P/D	
<b>Surfacing Material</b>									
Ceiling									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation									
Pipe Fittings									
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape									
<b>Miscellaneous Material</b>									
Ceiling	54								
North Wall	1, 4, 28, 23								
South Wall	1, 4, 28, 23								
East Wall	1, 4, 28, 23								
West Wall	1, 4, 28, 23								
Floor	52, 53								
Cove Molding	39, 40								

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

# INTERIOR ROOM-BY-ROOM INSPECTION FORM

*ZMD Floor*

Space ID No.: PCA      Date of Inspection: 2-18-06

Type of Space: \_\_\_\_\_

Project No.: 4216

Former Delco Appliance  
415 Orchard Street  
Rochester, New York

\_\_\_\_\_ ft \_\_\_\_\_ in

Type of Structural Deck \_\_\_\_\_  
Room Dimension \_\_\_\_\_ x \_\_\_\_\_

Type of Structural Walls \_\_\_\_\_

Potential for Air Erosion: HIGH MODERATE LOW/NONE

Influence of Vibration: HIGH MODERATE LOW/NONE  
(AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N	
						Total	Damaged	D/D		P/D
<b>Surfacing Material</b>										
Ceiling										
Ceiling										
North Wall										
South Wall										
East Wall										
West Wall										
<b>Thermal System Insulation</b>										
Pipe Insulation	<u>2L, 3A</u>		<u>White/Cream</u>			<u>7</u>	<u>5</u>	<u>5</u>		<u>Y</u>
Pipe Fittings										
Pipe Insulation										
Pipe Fittings										
Duct Wrap										
Duct Tape										
<b>Miscellaneous Material</b>										
Ceiling										
North Wall	<u>2, 3</u>				<u>✓</u>	<u>7</u>	<u>5</u>	<u>5</u>		<u>Y</u>
South Wall	<u>2, 3</u>				<u>✓</u>	<u>7</u>	<u>5</u>	<u>5</u>		<u>Y</u>
East Wall	<u>2, 3</u>				<u>✓</u>	<u>7</u>	<u>5</u>	<u>5</u>		<u>Y</u>
West Wall	<u>2, 3</u>				<u>✓</u>	<u>7</u>	<u>5</u>	<u>5</u>		<u>Y</u>
Floor										
Cove Molding										

D/D - Degree of Damage  
 M - Minor  
 S - Significant  
 P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

3004

Former Delco Appliance  
415 Orchard Street  
Rochester, New York

Project No.: 4216

Space ID No.: 3001 Date of Inspection  
Type of Space: STAIRWELL

2/18/06

Type of Structural Floor

Type of Structural Walls

Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in  
Type of Structural Deck \_\_\_\_\_

Potential for Air Erosion: HIGH MODERATE (LOW/NONE) Room Dimension \_\_\_\_\_ x \_\_\_\_\_

Influence of Vibration: HIGH MODERATE (LOW/NONE)  
(AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM	Y/N
						Total	Damaged	D/D P/D		
<b>Surfacing Material</b>										
Ceiling										
Ceiling										
North Wall										
South Wall										
East Wall										
West Wall										
<b>Thermal System Insulation</b>										
Pipe Insulation	32, 34		White/Green	✓						Y
Pipe Fittings										
Pipe Insulation										
Pipe Fittings										
Duct Wrap										
Duct Tape										
<b>Miscellaneous Material</b>										
Ceiling	Code									
North Wall	2, 3									N
South Wall	2, 3									
East Wall	2, 3									
West Wall	2, 3									
Floor	13, 14									
Cove Molding										
Calveride	13, 14		White/Pink	✓						Y

D/D - Degree of Damage  
M - Minor  
S - Significant

P/D - Potential for Damage  
M - Minor (Not Accessible)  
N - Not Significant (O M Only)  
S - Significant (Accessible)

INTERIOR ROOM-BY-ROOM INSPECTION FORM

Project No.: 4216  
 Date of Inspection: 2002  
 Space ID No.: 3003  
 Type of Space: DATA ROOM  
 Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in

Former Delco Appliance  
 415 Orchard Street  
 Rochester, New York

Type of Structural Floor: \_\_\_\_\_  
 Type of Structural Walls: \_\_\_\_\_  
 Type of Structural Deck: \_\_\_\_\_  
 Room Dimension \_\_\_\_\_ x \_\_\_\_\_

Potential for Air Erosion: HIGH MODERATE LOW/NONE

Influence of Vibration: HIGH MODERATE LOW/NONE  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	D/D	P/D	Suspect Material	
								NOTES:	ACM Y/N
<b>Surfacing Material</b>									
Ceiling									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation									
Pipe Fittings									
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape									
<b>Miscellaneous Material</b>									
Ceiling	C62C					Y	S	S	N
North Wall	Z3								
South Wall	14, Z3, Z3					Y	S	S	N
East Wall	Z3					Y	S	S	N
West Wall	Z3					Y	S	S	N
Floor	18, 19								
Cove Molding									
Garage	13, 14		White/Pink			Y	S	S	N

D/D - Degree of Damage  
M - Minor  
S - Significant

P/D - Potential for Damage  
M - Minor (Not Accessible)  
N - Not Significant (O M Only)  
S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance  
 Building Address: 415 Orchard Street  
Rochester, New York

Project No.: 4216

Space ID No.: 3005 Date of Inspection 8/18/06

Type of Space: COVERED

Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in

Type of Structural Deck \_\_\_\_\_

Type of Structural Walls \_\_\_\_\_

Potential for Air Erosion: LOW/NONE Room Dimension \_\_\_\_\_ x \_\_\_\_\_

Influence of Vibration: LOW/NONE  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material		Total	Damaged	D/D	P/D	NOTES:	ACM	Y/N
						F	NF							
<b>Surfacing Material</b>														
Ceiling														
Ceiling														
North Wall														
South Wall														
East Wall														
West Wall														
<b>Thermal System Insulation</b>														
Pipe Insulation	<u>32, 24</u>			✓										
Pipe Fittings	<u>33</u>			✓										
Pipe Insulation														
Pipe Fittings														
Duct Wrap														
Duct Tape														
<b>Miscellaneous Material</b>														
Ceiling	<u>602C</u>			✓										
North Wall	<u>51, 43</u>			✓										
South Wall	<u>51, 51, 43</u>			✓										
East Wall	<u>51, 43</u>			✓										
West Wall	<u>1, 4, 28</u>													
Floor	<u>ROOD</u>													
Cove Molding	<u>ROOD</u>													
Ceiling	<u>13, 14</u>		<u>White/Pink</u>	✓										

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

INTERIOR ROOM-BY-ROOM INSPECTION FORM

Building Name: Former Delco Appliance  
 Building Address: 415 Orchard Street  
 Rochester, New York  
 Project No.: 4216  
 Space ID No.: 3006  
 Date of Inspection: 8/18/06

Type of Structural Floor: \_\_\_\_\_  
 Type of Structural Walls: \_\_\_\_\_  
 Type of Structural Deck: \_\_\_\_\_  
 Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in  
 Room Dimension: \_\_\_\_\_ x \_\_\_\_\_

Influence of Vibration: HIGH MODERATE LOW/NONE  
 Potential for Air Erosion: HIGH MODERATE LOW/NONE

(AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			NOTES:	ACM Y/N
						Total	Damaged	D/D P/D		
<b>Surfacing Material</b>										
Ceiling										
Ceiling										
North Wall										
South Wall										
East Wall										
West Wall										
<b>Thermal System Insulation</b>										
Pipe Insulation										
Pipe Fittings										
Pipe Insulation										
Pipe Fittings										
Duct Wrap										
Duct Tape										
<b>Miscellaneous Material</b>										
Ceiling	51.42			✓					7 S S	#51 Black Panel Gue only ⊕ Y
North Wall	51.43			✓					↓ ↓ ↓ ↓ ↓ ↓	
South Wall	51.43			✓						
East Wall	51.43			✓						
West Wall	51.43			✓						
Floor	WOOD									
Cove Molding	WOOD									
Floor	CARPET									

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)



3011  
3010  
3009

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Project No.: 4216  
 Space ID No.: 3007 Date of Inspection 2/12/06  
 Type of Space: \_\_\_\_\_  
 Building Name: Former Delco Appliance  
 Building Address: 415 Orchard Street  
Rochester, New York  
 Type of Structural Floor: \_\_\_\_\_  
 Type of Structural Walls: \_\_\_\_\_  
 Ceiling Height: \_\_\_\_\_ ft  
 Type of Structural Deck: \_\_\_\_\_  
 Room Dimension: \_\_\_\_\_ x \_\_\_\_\_

Potential for Air Erosion: HIGH MODERATE LOW/NONE  
 Influence of Vibration: HIGH MODERATE LOW/NONE  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N	
						Total	Damaged	D/D P/D		
NOTES:										
<b>Surfacing Material</b>										
Ceiling										
Ceiling										
North Wall										
South Wall										
East Wall										
West Wall										
<b>Thermal System Insulation</b>										
Pipe Insulation										
Pipe Fittings										
Pipe Insulation										
Pipe Fittings										
Duct Wrap										
Duct Tape										
<b>Miscellaneous Material</b>										
Ceiling	<u>Coors</u>									
North Wall	<u>S1.43</u>									
South Wall	<u>S1.43</u>									
East Wall	<u>S1.43</u>									
West Wall	<u>S1.43</u>									
Floor	<u>WOOD</u>									
Cove Molding	<u>WOOD</u>									

D/D - Degree of Damage  
 M - Minor  
 S - Significant

\* NOTE - EXTERIOR NORTH WALL ARE S1, 4, 2, 3

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name:  
Building Address:

Former Delco Appliance  
415 Orchard Street  
Rochester, New York

Project No.: 4216

Space ID No.: 3008  
Type of Space:

Date of Inspection

2/12/05

Type of Structural Floor

Type of Structural Walls

Ceiling Height:

ft

in

Type of Structural Deck

Influence of Vibration:

HIGH MODERATE LOW/NONE

Potential for Air Erosion:

HIGH MODERATE LOW/NONE

Room Dimension

x

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Total			NOTES:	ACM Y/N
						Damaged	D/D	P/D		
<b>Surfacing Material</b>										
Ceiling										
Ceiling										
North Wall										
South Wall										
East Wall										
West Wall										
<b>Thermal System Insulation</b>										
Pipe Insulation										
Pipe Fittings										
Pipe Insulation										
Pipe Fittings										
Duct Wrap										
Duct Tape										
<b>Miscellaneous Material</b>										
Ceiling	<u>CODE</u>				✓					
North Wall	<u>51, 42, 23</u>				✓	✓	S	S	✓	#51 Black Panel Glue only ⊕
South Wall	<u>51, 43</u>				✓		✓	✓	✓	↓
East Wall	<u>14, 23, 23</u>				✓		✓	✓	✓	
West Wall	<u>51, 43</u>				✓		✓	✓	✓	#51 Black Panel Glue only ⊕
Floor	<u>DOOR</u>				✓					
Cove Molding	<u>DOOR</u>				✓					
CEILING	<u>13, 14</u>		<u>White/Pink</u>		✓	✓	S	S	✓	

D/D - Degree of Damage  
M - Minor  
S - Significant  
P/D - Potential for Damage  
M - Minor (Not Accessible)  
N - Not Significant (O M Only)  
S - Significant (Accessible)

# INTERIOR ROOM-BY-ROOM INSPECTION FORM

Building Name: Former Delco Appliance  
 Building Address: 415 Orchard Street  
Rochester, New York

Project No.: 4216

Space ID No.: 2017  
 Type of Space: Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in  
Type of Structural Deck

Date of Inspection: \_\_\_\_\_

Type of Structural Walls: \_\_\_\_\_

Potential for Air Erosion: HIGH MODERATE (LOW/NONE)

Room Dimension \_\_\_\_\_ x \_\_\_\_\_

Influence of Vibration: HIGH MODERATE (LOW/NONE)  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N
						Total	Damaged	D/D P/D	
<b>Surfacing Material</b>									
Ceiling									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation									
Pipe Fittings									
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape									
<b>Miscellaneous Material</b>									
Ceiling	<u>Code</u>								
North Wall	<u>44, 45, 46, 51</u>								<u>Y</u>
South Wall	<u>44, 45, 46</u>								<u>N</u>
East Wall	<u>51, 43</u>								<u>Y</u>
West Wall	<u>44, 45, 46</u>								<u>N</u>
Floor	<u>200B</u>								
Cove Molding	<u>200D</u>								
CAVETIDE	<u>13, 14</u>		<u>White/Pink</u>						<u>Y</u>

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)



**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance Project No.: 4216 Space ID No.: 3015 Date of Inspection: 8/18/06

Building Address: 415 Orchard Street Type of Space: \_\_\_\_\_ ft \_\_\_\_\_ in

Type of Structural Floor: Rochester, New York Type of Structural Walls: \_\_\_\_\_ Ceiling Height: \_\_\_\_\_ in

Influence of Vibration: HIGH MODERATE LOW/NONE Potential for Air Erosion: HIGH MODERATE LOW/NONE Room Dimension: \_\_\_\_\_ x \_\_\_\_\_

(AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			NOTES:	ACM Y/N
						Total	Damaged	D/D P/D		
<b>Surfacing Material</b>										
Ceiling										
Ceiling										
North Wall										
South Wall										
East Wall										
West Wall										
<b>Thermal System Insulation</b>										
Pipe Insulation										
Pipe Fittings										
Pipe Insulation										
Pipe Fittings										
Duct Wrap										
Duct Tape										
<b>Miscellaneous Material</b>										
Ceiling	CODE									
North Wall	CODE									
South Wall	43			✓				✓	✓	N
East Wall	43			✓				✓	✓	N
West Wall	CODE									
Floor	WOOD									
Cove Molding										
CEILING	13, 14		White/Pink					✓	✓	✓

D/D - Degree of Damage  
M - Minor  
S - Significant

P/D - Potential for Damage  
M - Minor (Not Accessible)  
N - Not Significant (O M Only)  
S - Significant (Accessible)

3027 to 3028  
3016 to 3025  
8/18/06

# INTERIOR ROOM-BY-ROOM INSPECTION FORM

Project No.: 4216

Former Delco Appliance  
415 Orchard Street  
Rochester, New York

Building Name:  
Building Address:

Type of Structural Floor

Type of Structural Walls

Type of Structural Deck

Potential for Air Erosion:

Room Dimension

\_\_\_\_\_ x \_\_\_\_\_

Influence of Vibration:  
(AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

CEILING HEIGHT: \_\_\_\_\_ in

\_\_\_\_\_ ft

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material		NOTES:		ACM Y/N
						Total	Damaged	D/D	P/D	
<b>Surfacing Material</b>										
Ceiling										
Ceiling										
North Wall										
South Wall										
East Wall										
West Wall										
<b>Thermal System Insulation</b>										
Pipe Insulation	32, 34		White/Cream	✓				10 LF		
Pipe Fittings										
Pipe Insulation										
Pipe Fittings										
Duct Wrap										
Duct Tape										
<b>Miscellaneous Material</b>										
Ceiling										
North Wall	Code	14, 28, 44, 45, 46, 43, 51			✓					Y
South Wall		14, 28, 44, 45, 46, 43, 51			✓					Y
East Wall		14, 28, 44, 45, 46, 43, 51			✓					Y
West Wall		14, 28, 44, 45, 46, 43, 51			✓					Y
Floor	Door				✓					
Cove Molding	Door				✓					
Gypsum	13, 14		White/Pink			✓		1800 LF		Y
Per Board	24		TAN			✓		1000 LF		Y

P/D - Potential for Damage  
M - Minor (Not Accessible)  
N - Not Significant (O M Only)  
S - Significant (Accessible)

D/D - Degree of Damage  
M - Minor  
S - Significant

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance  
 Building Address: 415 Orchard Street  
Rochester, New York

Project No.: 4216

Space ID No.: 3024 Date of Inspection 8/18/06

Type of Space: Fireplace

Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in

Type of Structural Deck \_\_\_\_\_

Type of Structural Walls \_\_\_\_\_

Potential for Air Erosion: HIGH MODERATE LOW/NONE Room Dimension \_\_\_\_\_ x \_\_\_\_\_

Influence of Vibration: HIGH MODERATE LOW/NONE  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N
						Total	Damaged	D/D P/D	
<b>Surfacing Material</b>									
Ceiling									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation									
Pipe Fittings									
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape	49				✓	S	S	S	N
<b>Miscellaneous Material</b>									
Ceiling	6026				✓	S	S	S	N
North Wall	1, 4, 18, 2, 3				✓	S	S	S	N
South Wall	43, 4				✓	↓	↓	↓	↓
East Wall	4				✓	↓	↓	↓	↓
West Wall	4, 7, 3				✓				
Floor	ROOD								
Cove Molding									
Glue/Dk	13, 14		White/Pink		✓	S	S	S	S

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Project No.: 4216

Former Delco Appliance  
415 Orchard Street  
Rochester, New York

3029 to 3041

Space ID No.: \_\_\_\_\_ Date of Inspection: 3/18/06

Type of Space: \_\_\_\_\_

Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in

Type of Structural Deck: CORC

Room Dimension: \_\_\_\_\_ x \_\_\_\_\_

Type of Structural Walls: Brick

Potential for Air Erosion: HIGH MODERATE (LOW/NONE)

Type of Structural Floor: CORC

Influence of Vibration: HIGH MODERATE (LOW/NONE)

(AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N
						Total	Damaged	D/D P/D	
<b>Surfacing Material</b>									
Ceiling									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation	32, 34		White/Grey	✓		700 SF	4	3	4
Pipe Fittings	33		Grey	✓		75 SF	4	3	4
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape									
<b>Miscellaneous Material</b>									
Ceiling	CORC				✓		4	3	4
North Wall	1, 2B, 43, 44, 45, 46, 51				✓		4	3	4
South Wall	1, 2B, 43, 44, 45, 46, 51				✓		4	3	4
East Wall	1, 2B, 43, 44, 45, 46, 51				✓		4	3	4
West Wall	1, 2B, 43, 44, 45, 46, 51				✓		4	3	4
Floor	WOOD				✓				
Cove Molding	WOOD				✓				

D/D - Degree of Damage  
M - Minor  
S - Significant

P/D - Potential for Damage  
M - Minor (Not Accessible)  
N - Not Significant (O M Only)  
S - Significant (Accessible)



**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance Project No.: 4216 Space ID No.: 304Z Date of Inspection: 2/12/06  
 Building Address: 415 Orchard Street Type of Space: \_\_\_\_\_ Type of Structural Walls: Brick Type of Structural Deck: Code Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in  
 Type of Structural Floor: Code Type of Structural Walls: \_\_\_\_\_ Potential for Air Erosion: HIGH MODERATE LOW/NONE Room Dimension: \_\_\_\_\_ x \_\_\_\_\_  
 Influence of Vibration: HIGH MODERATE LOW/NONE (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N
						Total	Damaged	D/D P/D	
<b>Surfacing Material</b>									
Ceiling									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation									
Pipe Fittings									
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape									
<b>Miscellaneous Material</b>									
Ceiling	<u>75</u>			<input checked="" type="checkbox"/>				<u>Y</u>	<u>OVER CODE</u>
North Wall	<u>22, 14, 73</u>			<input checked="" type="checkbox"/>				<u>Y</u>	
South Wall	<u>14, 73</u>			<input checked="" type="checkbox"/>				<u>Y</u>	
East Wall	<u>14, 73</u>			<input checked="" type="checkbox"/>				<u>Y</u>	
West Wall	<u>1, 73</u>			<input checked="" type="checkbox"/>				<u>Y</u>	
Floor	<u>CODE</u>								
Cove Molding	<u>29, 40</u>								<u>RAISED PLATFORM FOOT</u>

D/D - Degree of Damage  
 M - Minor  
 S - Significant  
 P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance Project No.: 4216 Space ID No.: 2043 Date of Inspection: 2/18/06

Building Address: 415 Orchard Street Type of Space: \_\_\_\_\_ ft \_\_\_\_\_ in

Type of Structural Floor: Rochester, New York Type of Structural Walls: \_\_\_\_\_ Ceiling Height: \_\_\_\_\_ in

Influence of Vibration: HIGH MODERATE LOW/NONE Potential for Air Erosion: HIGH MODERATE LOW/NONE Room Dimension: \_\_\_\_\_ x \_\_\_\_\_

(AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N
						Total	Damaged	D/D P/D	
<b>Surfacing Material</b>									
Ceiling									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation									
Pipe Fittings									
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape									
<b>Miscellaneous Material</b>									
Ceiling	<u>Code</u>								
North Wall	<u>1.4.78</u>								<u>N</u>
South Wall	<u>1.4.78</u>								<u>N</u>
East Wall	<u>1.4.78</u>								<u>N</u>
West Wall	<u>7.3</u>								<u>N</u>
Floor	<u>5.3, 5.2</u>								<u>N</u>
Cove Molding	<u>2.9, 4.0</u>								<u>N</u>
<u>GUARD</u>	<u>13, 14</u>		<u>White/Pink</u>						<u>F</u>

D/D - Degree of Damage  
M - Minor  
S - Significant

P/D - Potential for Damage  
M - Minor (Not Accessible)  
N - Not Significant (O M Only)  
S - Significant (Accessible)

INTERIOR ROOM-BY-ROOM INSPECTION FORM

3rd Floor

Former Delco Appliance  
415 Orchard Street  
Rochester, New York

Project No.: 4216

Space ID No.: PC2 Date of Inspection

2/12/06

Building Name:  
Building Address:

Type of Space: \_\_\_\_\_ ft  
Ceiling Height: \_\_\_\_\_ in  
Type of Structural Deck \_\_\_\_\_ x \_\_\_\_\_  
Room Dimension

Type of Structural Floor \_\_\_\_\_ Type of Structural Walls \_\_\_\_\_ Potential for Air Erosion: HIGH MODERATE **LOW/NONE**  
Influence of Vibration: HIGH MODERATE **LOW/NONE**  
(AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Total	Damaged	D/D	P/D	NOTES:	ACM	Y/N
<b>Surfacing Material</b>												
Ceiling												
Ceiling												
North Wall												
South Wall												
East Wall												
West Wall												
<b>Thermal System Insulation</b>												
Pipe Insulation	32, 34		White/Green	✓		12-6F	Y	S	S			Y
Pipe Fittings												
Pipe Insulation												
Pipe Fittings												
Duct Wrap												
Duct Tape												
<b>Miscellaneous Material</b>												
Ceiling												
North Wall	2, 3			✓			Y	S	S			N
South Wall	2, 3			✓			J	J	J			J
East Wall	2, 3			✓								
West Wall	2, 3			✓								
Floor												
Cove Molding												

D/D - Degree of Damage  
M - Minor  
S - Significant  
P/D - Potential for Damage  
M - Minor (Not Accessible)  
N - Not Significant (O M Only)  
S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

3rd Floor  
 Space ID No.: PCE Date of Inspection 8/18/06

Project No.: 4216

Former Delco Appliance  
 415 Orchard Street  
 Rochester, New York

Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in  
 Type of Structural Deck \_\_\_\_\_

Type of Structural Walls \_\_\_\_\_  
 Potential for Air Erosion: HIGH MODERATE (LOW/NONE)

Type of Structural Walls \_\_\_\_\_  
 Potential for Air Erosion: HIGH MODERATE (LOW/NONE)

Influence of Vibration: HIGH MODERATE (LOW/NONE)  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Structural Floor \_\_\_\_\_  
 Room Dimension \_\_\_\_\_ x \_\_\_\_\_

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N
						Total	Damaged	D/D P/D	
<b>Surfacing Material</b>									
Ceiling									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation	32, 34		White/Cream			24	17	7	3
Pipe Fittings									
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape									
<b>Miscellaneous Material</b>									
Ceiling									
North Wall	2, 3					7	5	3	N
South Wall	2, 3					7	5	3	N
East Wall	2, 3					7	5	3	N
West Wall	2, 3					7	5	3	N
Floor									
Cove Molding									

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

D/D - Degree of Damage  
 M - Minor  
 S - Significant

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance Project No.: 4216 Space ID No.: 4001 Date of Inspection: 3-18-06  
 Building Address: 415 Orchard Street Type of Space: STORAGE Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in  
 Type of Structural Floor: \_\_\_\_\_ Type of Structural Walls: \_\_\_\_\_ Type of Structural Deck: \_\_\_\_\_  
 Influence of Vibration: HIGH MODERATE LOW/NONE Potential for Air Erosion: HIGH MODERATE LOW/NONE Room Dimension \_\_\_\_\_ x \_\_\_\_\_  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Total	Damaged	D/D	P/D	NOTES:	
										ACM	Y/N
<b>Surfacing Material</b>											
Ceiling											
Ceiling											
North Wall											
South Wall											
East Wall											
West Wall											
<b>Thermal System Insulation</b>											
Pipe Insulation	<u>32, 34</u>		<u>White/Green</u>	<input checked="" type="checkbox"/>		<u>3LF</u>	<u>Y</u>	<u>S</u>	<u>S</u>	<u>S</u>	<u>o.d. in 400Z</u>
Pipe Fittings	<u>33</u>		<u>Green</u>	<input checked="" type="checkbox"/>			<u>Y</u>	<u>S</u>	<u>S</u>	<u>S</u>	<u>o.d. in 400Z</u>
Pipe Insulation											
Pipe Fittings											
Duct Wrap											
Duct Tape											
<b>Miscellaneous Material</b>											
Ceiling	<u>6034</u>										
North Wall	<u>2, 3</u>						<u>Y</u>	<u>S</u>	<u>S</u>		<u>N</u>
South Wall	<u>2, 3</u>						<u>Y</u>	<u>S</u>	<u>S</u>		<u>N</u>
East Wall	<u>2, 3</u>						<u>Y</u>	<u>S</u>	<u>S</u>		<u>N</u>
West Wall	<u>2, 3</u>						<u>Y</u>	<u>S</u>	<u>S</u>		<u>N</u>
Floor	<u>18, 19</u>										
Cove Molding											
	<u>6022, 13, 14</u>		<u>White/Pink</u>			<u>6005F</u>	<u>Y</u>	<u>S</u>	<u>S</u>		<u>Y</u>

D/D - Degree of Damage  
 M - Minor  
 S - Significant  
 P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Project No.: 4216

Space ID No.: 4003

4004

Date of Inspection

8.18.06

Former Delco Appliance

415 Orchard Street

Rochester, New York

Type of Space: BATHROOM

Ceiling Height: \_\_\_\_\_ ft

Type of Structural Deck

Potential for Air Erosion: HIGH MODERATE LOW/NONE

Room Dimension \_\_\_\_\_ x \_\_\_\_\_

Type of Structural Walls

Type of Structural Floor

Influence of Vibration: HIGH MODERATE LOW/NONE

(AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material

Homogeneous Area ID No.

Color (If Relevant)

Location AC, BC

F

NF

Suspect Material

Total

Damaged

D/D

P/D

NOTES:

ACM

Y/N

**Surfacing Material**

Ceiling

Ceiling

North Wall

South Wall

East Wall

West Wall

**Thermal System Insulation**

Pipe Insulation

Pipe Fittings

Pipe Insulation

Pipe Fittings

Duct Wrap

Duct Tape

**Miscellaneous Material**

Ceiling

North Wall

South Wall

East Wall

West Wall

Floor

Cove Molding

Grease

White/Pink

13, 14

14, 28, 23

7, 3

7, 3

18, 19

Coating

2, 3

14, 28, 23

7, 3

7, 3

18, 19

13, 14

14, 28, 23

7, 3

7, 3

18, 19

13, 14

14, 28, 23

7, 3

7, 3

18, 19

13, 14

14, 28, 23

7, 3

7, 3

18, 19

13, 14

14, 28, 23

7, 3

7, 3

18, 19

13, 14

14, 28, 23

7, 3

D/D - Degree of Damage

M - Minor

S - Significant

P/D - Potential for Damage

M - Minor (Not Accessible)

N - Not Significant (O M Only)

S - Significant (Accessible)







**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance      Project No.: 4216      Date of Inspection: 2-18-06  
 Building Address: 415 Orchard Street      Type of Space: VACANT      Ceiling Height: \_\_\_\_\_ ft      in \_\_\_\_\_  
 Rochester, New York      Type of Structural Walls: \_\_\_\_\_      Type of Structural Deck: \_\_\_\_\_      Room Dimension: \_\_\_\_\_ x \_\_\_\_\_

Influence of Vibration: **HIGH MODERATE LOW/NONE**      Potential for Air Erosion: **HIGH MODERATE LOW/NONE**  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Total	Damaged	D/D	P/D	NOTES:		ACM Y/N
										Suspect Material		
<b>Surfacing Material</b>												
Ceiling												
Ceiling												
North Wall												
South Wall												
East Wall												
West Wall												
<b>Thermal System Insulation</b>												
Pipe Insulation	<u>32, 34</u>		<u>White/Cream</u>	<input checked="" type="checkbox"/>		<u>3</u>	<u>1</u>	<u>5</u>	<u>5</u>			<u>Y</u>
Pipe Fittings												
Pipe Insulation												
Pipe Fittings												
Duct Wrap												
Duct Tape												
<b>Miscellaneous Material</b>												
Ceiling	<u>Code</u>											
North Wall	<u>23</u>			<input checked="" type="checkbox"/>				<u>5</u>	<u>5</u>			<u>N</u>
South Wall	<u>14, 28, 23</u>			<input checked="" type="checkbox"/>				<u>5</u>	<u>5</u>			<u>↓</u>
East Wall	<u>14, 28, 23</u>			<input checked="" type="checkbox"/>				<u>5</u>	<u>5</u>			<u>↓</u>
West Wall	<u>14, 28, 23</u>			<input checked="" type="checkbox"/>				<u>5</u>	<u>5</u>			<u>↓</u>
Floor	<u>Door</u>											
Cove Molding	<u>Door</u>											

D/D - Degree of Damage  
 M - Minor  
 S - Significant  
 P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance      Project No.: 4216      Space ID No.: 4008      Date of Inspection: 8.18.06  
 Building Address: 415 Orchard Street      Rochester, New York      Type of Space: FIRE ALARM ROOM  
 Type of Structural Floor: \_\_\_\_\_      Type of Structural Walls: \_\_\_\_\_      Ceiling Height: \_\_\_\_\_ ft      Type of Structural Deck: \_\_\_\_\_ in  
 Influence of Vibration: HIGH MODERATE LOW/NONE      Potential for Air Erosion: HIGH MODERATE LOW/NONE      Room Dimension: \_\_\_\_\_ x \_\_\_\_\_  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N
						Total	Damaged	D/D P/D	
<b>Surfacing Material</b>									
Ceiling									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation									
Pipe Fittings									
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape									
Fireproof Gypsum	42		White	✓		✓	✓	✓	✓
<b>Miscellaneous Material</b>									
Ceiling	6026					✓	✓	✓	N
North Wall	43, 4					✓	✓	✓	✓
South Wall	43, 4, 2, 3					✓	✓	✓	✓
East Wall	43, 4					✓	✓	✓	✓
West Wall	43, 4					✓	✓	✓	✓
Floor	wood								
Cove Molding									
GLAZING	13, 14		White/Pink			✓	✓	✓	✓

D/D - Degree of Damage  
 M - Minor  
 S - Significant  
 P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Project No.: 4216

Space ID No.: 4009

Date of Inspection: 8.13.06

Former Delco Appliance  
415 Orchard Street  
Rochester, New York

Type of Space: VACANT

Ceiling Height: \_\_\_\_\_ ft

Type of Structural Deck: CONC

Type of Structural Walls: BRICK

Potential for Air Erosion: HIGH

Room Dimension: \_\_\_\_\_ x \_\_\_\_\_

Type of Structural Floor: CONC

Influence of Vibration: LOW/NONE

Room Dimension: \_\_\_\_\_ x \_\_\_\_\_

(AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N
						Total	Damaged	D/D P/D	
<b>Surfacing Material</b>									
Ceiling									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation	22, 24		White/Grey			Y	S	S	Y
Pipe Fittings									
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape									
DOOR CASSETTE	49		Black			Y	S	S	N
<b>Miscellaneous Material</b>									
Ceiling	CONC								
North Wall	1, 4, 7, 8, 13, 14					Y	S	S	N
South Wall	1, 4, 7, 8, 13, 14					↓	↓	↓	↓
East Wall	1, 7, 8								
West Wall	1, 4, 7, 8, 13, 14								
Floor	DOOR								
Cove Molding	DOOR								
CEILING	13, 14		White/Pink			Y	S	S	Y

D/D - Degree of Damage  
M - Minor  
S - Significant

P/D - Potential for Damage  
M - Minor (Not Accessible)  
N - Not Significant (O M Only)  
S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance Project No.: 4216 Space ID No.: 4010 Date of Inspection: 8.18.06  
 Building Address: 415 Orchard Street Type of Space: \_\_\_\_\_ Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in \_\_\_\_\_  
 Type of Structural Floor: \_\_\_\_\_ Type of Structural Walls: \_\_\_\_\_ Type of Structural Deck: \_\_\_\_\_ Room Dimension: \_\_\_\_\_ x \_\_\_\_\_  
 Influence of Vibration: HIGH MODERATE LOW/NONE Potential for Air Erosion: HIGH MODERATE LOW/NONE  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM
						Total	Damaged	D/D	
<b>Surfacing Material</b>									
Ceiling									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation									
Pipe Fittings									
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape									
<b>Miscellaneous Material</b>									
Ceiling	<u>Code</u>								
North Wall	<u>44, 45, 46, 48</u>								<u>N</u>
South Wall	<u>44, 45, 46</u>								<u>N</u>
East Wall	<u>44, 45, 46</u>								<u>N</u>
West Wall	<u>44, 45, 46</u>								<u>N</u>
Floor	<u>Roop</u>								
Cove Molding	<u>39, 40</u>								

D/D - Degree of Damage  
 M - Minor  
 S - Significant  
 P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance Project No.: 4216 Space ID No.: 4-011 Date of Inspection: 2-18-06  
 Building Address: 415 Orchard Street Type of Space: \_\_\_\_\_ Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in  
 Type of Structural Floor: \_\_\_\_\_ Type of Structural Walls: \_\_\_\_\_ Type of Structural Deck: \_\_\_\_\_  
 Influence of Vibration: HIGH MODERATE (LOW/NONE) Potential for Air Erosion: HIGH MODERATE (LOW/NONE) Room Dimension: \_\_\_\_\_ x \_\_\_\_\_  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Total	Damaged	D/D	P/D	NOTES:		ACM Y/N
										Suspect Material		
<b>Surfacing Material</b>												
Ceiling												
Ceiling												
North Wall												
South Wall												
East Wall												
West Wall												
<b>Thermal System Insulation</b>												
Pipe Insulation												
Pipe Fittings												
Pipe Insulation												
Pipe Fittings												
Duct Wrap												
Duct Tape												
<b>Miscellaneous Material</b>												
Ceiling	<u>Code</u>											
North Wall	<u>14, 28, 33</u>											
South Wall	<u>50, 42</u>											
East Wall	<u>50, 43</u>											
West Wall	<u>50, 43</u>											
Floor	<u>None</u>											
Cove Molding	<u>39, 40</u>											
Grate	<u>13, 14</u>		<u>White/Pink</u>									

D/D - Degree of Damage  
 M - Minor  
 S - Significant  
 P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance  
 Building Address: 415 Orchard Street  
Rochester, New York

Project No.: 4216

Space ID No.: 4012 Date of Inspection: 8-18-06  
 Type of Space: \_\_\_\_\_

Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in  
 Type of Structural Deck: \_\_\_\_\_

Type of Structural Floor: \_\_\_\_\_

Influence of Vibration: HIGH MODERATE LOW/NONE Potential for Air Erosion: HIGH MODERATE LOW/NONE Room Dimension: \_\_\_\_\_ x \_\_\_\_\_

(AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N
						Total	Damaged	D/D P/D	
<b>Surfacing Material</b>									
Ceiling									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation	<u>32, 34</u>		<u>White/Green</u>	<input checked="" type="checkbox"/>		<u>10 SF</u>	<u>Y</u>	<u>S</u>	<u>S</u>
Pipe Fittings									
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape									
<b>Miscellaneous Material</b>									
Ceiling	<u>CODE</u>				<input checked="" type="checkbox"/>				
North Wall	<u>14, 28, 33</u>			<input checked="" type="checkbox"/>			<u>Y</u>	<u>S</u>	<u>S</u>
South Wall	<u>44, 45, 46</u>			<input checked="" type="checkbox"/>			<u>Y</u>	<u>S</u>	<u>S</u>
East Wall	<u>44, 45, 46</u>			<input checked="" type="checkbox"/>			<u>Y</u>	<u>S</u>	<u>S</u>
West Wall	<u>44, 45, 46</u>			<input checked="" type="checkbox"/>			<u>Y</u>	<u>S</u>	<u>S</u>
Floor	<u>Dood</u>				<input checked="" type="checkbox"/>				
Cove Molding	<u>39, 40</u>				<input checked="" type="checkbox"/>		<u>Y</u>	<u>S</u>	<u>S</u>
Glue/Adh	<u>13, 14</u>		<u>White/Pink</u>	<input checked="" type="checkbox"/>		<u>360 SF</u>	<u>Y</u>	<u>S</u>	<u>S</u>

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O.M. Only)  
 S - Significant (Accessible)

# INTERIOR ROOM-BY-ROOM INSPECTION FORM

Building Name: Former Delco Appliance      Project No.: 4216      Space ID No.: 4013      Date of Inspection: 8/12/06  
 Building Address: 415 Orchard Street  
Rochester, New York  
 Type of Structural Floor: \_\_\_\_\_      Type of Structural Walls: \_\_\_\_\_      Type of Structural Deck: \_\_\_\_\_      Room Dimension: \_\_\_\_\_ x \_\_\_\_\_  
 Influence of Vibration: HIGH MODERATE LOW/NONE      Potential for Air Erosion: HIGH MODERATE LOW/NONE  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N
						Total	Damaged	D/D P/D	
<b>Surfacing Material</b>									
Ceiling									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation									
Pipe Fittings									
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape									
<b>Miscellaneous Material</b>									
Ceiling	<u>CODE</u>								
North Wall	<u>14, 28, 23</u>				<input checked="" type="checkbox"/>		<u>S</u>	<u>S</u>	<u>N</u>
South Wall	<u>45, 46, 44</u>				<input checked="" type="checkbox"/>		<u>S</u>	<u>S</u>	<u>N</u>
East Wall	<u>14, 28, 23</u>				<input checked="" type="checkbox"/>		<u>S</u>	<u>S</u>	<u>N</u>
West Wall	<u>44, 45, 46</u>				<input checked="" type="checkbox"/>		<u>S</u>	<u>S</u>	<u>N</u>
Floor	<u>1300D</u>				<input checked="" type="checkbox"/>		<u>S</u>	<u>S</u>	<u>N</u>
Cove Molding	<u>39, 40</u>				<input checked="" type="checkbox"/>		<u>S</u>	<u>S</u>	<u>N</u>
Ceiling	<u>13, 14</u>		<u>White Plaster</u>		<input checked="" type="checkbox"/>		<u>S</u>	<u>S</u>	<u>Y</u>

D/D - Degree of Damage  
 M - Minor  
 S - Significant  
 P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

4TH Floor

Building Name: Former Delco Appliance      Space ID No.: PC10      Date of Inspection: 8.13.06  
 Building Address: 415 Orchard Street      Type of Space: Pipe Chase      Ceiling Height: \_\_\_\_\_ ft      in \_\_\_\_\_  
 Rochester, New York      Type of Structural Walls: \_\_\_\_\_      Type of Structural Deck: \_\_\_\_\_      Room Dimension: \_\_\_\_\_ x \_\_\_\_\_

Type of Structural Floor: \_\_\_\_\_      Potential for Air Erosion: HIGH      MODERATE LOW/NONE      Suspect Material: \_\_\_\_\_  
 Influence of Vibration: HIGH      MODERATE LOW/NONE      (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Total			NOTES:	ACM Y/N
						Damaged	D/D	P/D		
<b>Surfacing Material</b>										
Ceiling										
Ceiling										
North Wall										
South Wall										
East Wall										
West Wall										
<b>Thermal System Insulation</b>										
Pipe Insulation	<u>32, 34</u>		<u>White/Cream</u>	<input checked="" type="checkbox"/>		<u>10</u>	<u>0</u>	<u>0</u>		<u>Y</u>
Pipe Fittings										
Pipe Insulation										
Pipe Fittings										
Duct Wrap										
Duct Tape										
<b>Miscellaneous Material</b>										
Ceiling										
North Wall	<u>2, 3</u>			<input checked="" type="checkbox"/>		<u>4</u>	<u>0</u>	<u>0</u>		<u>N</u>
South Wall	<u>2, 3</u>			<input checked="" type="checkbox"/>		<u>1</u>	<u>0</u>	<u>0</u>		<u>N</u>
East Wall	<u>2, 3</u>			<input checked="" type="checkbox"/>		<u>1</u>	<u>0</u>	<u>0</u>		<u>N</u>
West Wall	<u>2, 3</u>			<input checked="" type="checkbox"/>		<u>1</u>	<u>0</u>	<u>0</u>		<u>N</u>
Floor										
Cove Molding										

D/D - Degree of Damage  
 M - Minor  
 S - Significant  
 P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)



**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

47H Floor

Building Name: Former Delco Appliance      Project No.: 4216      Space ID No.: PC3      Date of Inspection: 2.18.06  
 Building Address: 415 Orchard Street      Rochester, New York      Type of Space: Pipe Chase      Ceiling Height: \_\_\_\_\_ ft      Type of Structural Deck: \_\_\_\_\_      Room Dimension: \_\_\_\_\_ x \_\_\_\_\_  
 Type of Structural Floor: \_\_\_\_\_      Type of Structural Walls: \_\_\_\_\_      Potential for Air Erosion: HIGH      MODERATE LOW/NONE

Influence of Vibration: HIGH      MODERATE LOW/NONE      (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Total	Damaged	D/D	P/D	NOTES:	
										ACM	Y/N
<b>Surfacing Material</b>											
Ceiling											
Ceiling											
North Wall											
South Wall											
East Wall											
West Wall											
<b>Thermal System Insulation</b>											
Pipe Insulation	32, 34		White/Green			10	5	4	5	5	4
Pipe Fittings											
Pipe Insulation											
Pipe Fittings											
Duct Wrap											
Duct Tape											
<b>Miscellaneous Material</b>											
Ceiling											
North Wall	2,3							4	5	5	4
South Wall	2,3										
East Wall	2,3										
West Wall	2,3										
Floor											
Cove Molding											

D/D - Degree of Damage  
 M - Minor  
 S - Significant  
 P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance Space ID No.: 5004 Date of Inspection: 8-17-00  
 Building Address: 415 Orchard Street Type of Space: STAIRWELL Room Dimension: \_\_\_\_\_ x \_\_\_\_\_  
Rochester, New York Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in  
 Type of Structural Floor: \_\_\_\_\_ Type of Structural Walls: \_\_\_\_\_ Type of Structural Deck: \_\_\_\_\_  
 Influence of Vibration: HIGH MODERATE LOW/NONE  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable  
 Potential for Air Erosion: HIGH MODERATE LOW/NONE

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Total	Damaged	D/D	P/D	NOTES:	ACM	
<b>Surfacing Material</b>												
Ceiling												
Ceiling												
North Wall												
South Wall												
East Wall												
West Wall												
<b>Thermal System Insulation</b>												
Pipe Insulation	<u>20, 34</u>		<u>Wht/blk/Green</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>20 ft</u>	<u>2</u>	<u>5</u>	<u>5</u>	<u>(Only 5001)</u>	<u>Y</u>	
Pipe Fittings	<u>33</u>		<u>Gray</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>5 ft</u>	<u>2</u>	<u>5</u>	<u>5</u>	<u>(Only 5001)</u>	<u>Y</u>	
Pipe Insulation												
Pipe Fittings												
Duct Wrap												
Duct Tape												
<b>Miscellaneous Material</b>												
Ceiling	<u>Code</u>				<input checked="" type="checkbox"/>		<u>Y</u>	<u>5</u>	<u>5</u>		<u>N</u>	
North Wall	<u>2, 3</u>			<input checked="" type="checkbox"/>	<input type="checkbox"/>		<u>Y</u>	<u>5</u>	<u>5</u>			
South Wall	<u>2, 3</u>			<input checked="" type="checkbox"/>	<input type="checkbox"/>		<u>Y</u>	<u>5</u>	<u>5</u>			
East Wall	<u>2, 3</u>			<input checked="" type="checkbox"/>	<input type="checkbox"/>		<u>Y</u>	<u>5</u>	<u>5</u>			
West Wall	<u>2, 3</u>			<input checked="" type="checkbox"/>	<input type="checkbox"/>		<u>Y</u>	<u>5</u>	<u>5</u>			
Floor	<u>18, 19</u>			<input checked="" type="checkbox"/>	<input type="checkbox"/>		<u>Y</u>	<u>5</u>	<u>5</u>			
Cove Molding												
Wood Grains	<u>13, 14</u>		<u>White/Pink</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>240 ft</u>	<u>Y</u>	<u>5</u>	<u>5</u>		<u>Y</u>	

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance Space ID No.: 5005 Date of Inspection: 2-15-06  
 Building Address: 415 Orchard Street Type of Space: Basement  
 Type of Structural Floor: Rochester, New York Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in  
 Type of Structural Walls: \_\_\_\_\_ Type of Structural Deck: \_\_\_\_\_ Room Dimension: \_\_\_\_\_ x \_\_\_\_\_

Influence of Vibration: HIGH MODERATE LOW/NONE Potential for Air Erosion: HIGH MODERATE LOW/NONE  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Total			Suspect Material	ACM Y/N
						Damaged	D/D	P/D		
<b>Surfacing Material</b>										
Ceiling										
Ceiling										
North Wall										
South Wall										
East Wall										
West Wall										
<b>Thermal System Insulation</b>										
Pipe Insulation										
Pipe Fittings										
Pipe Insulation										
Pipe Fittings										
Duct Wrap										
Duct Tape										
<b>Miscellaneous Material</b>										
Ceiling	CODE									
North Wall	2, 3									N
South Wall	1, 4, 7, 8, 1, 3									
East Wall	7, 3									
West Wall	7, 3									
Floor	18, 19									
Cove Molding										
Guar. Pl.	13, 14		wh. tk/Pink							

D/D - Degree of Damage  
 M - Minor  
 S - Significant  
 P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: \_\_\_\_\_  
 Building Address: \_\_\_\_\_

Former Delco Appliance  
 415 Orchard Street  
 Rochester, New York

Project No.: 4216

Space ID No.: 5003  
 Type of Space: Corridor

Date of Inspection: 8-17-06

Type of Structural Floor: \_\_\_\_\_

Type of Structural Walls: \_\_\_\_\_

Influence of Vibration: \_\_\_\_\_  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Potential for Air Erosion: \_\_\_\_\_

Room Dimension: \_\_\_\_\_ x \_\_\_\_\_

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Total	Damaged	D/D	P/D	Suspect Material		
										NOTES:	ACM	Y/N
<b>Surfacing Material</b>												
Ceiling												
Ceiling												
North Wall												
South Wall												
East Wall												
West Wall												
<b>Thermal System Insulation</b>												
Pipe Insulation												
Pipe Fittings												
Pipe Insulation												
Pipe Fittings												
Duct Wrap												
Duct Tape												
<b>Miscellaneous Material</b>												
Ceiling	75				✓		Y	S	S		CONCRETE ABOVE	N
North Wall	1, 2B				✓		✓	↓	↓		7, 3 @ EAST SIDE STAIRSEL	N
South Wall	1, 2B				✓							
East Wall					✓		Y	S	S			N
West Wall	1, 4, 2B				✓							N
Floor	DOOR				✓		Y	S	S			N
Cove Molding	26, 27				✓		Y	S	S			N
Glue joint	13, 14		White/Pink		✓		Y	S	S			N

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O.M. Only)  
 S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance Project No.: 4216 Space ID No.: 5006 Date of Inspection: 8-13-06  
 Building Address: 415 Orchard Street Type of Space: VACANT Ceiling Height:      ft in      in  
 Type of Structural Floor: CDC Type of Structural Walls: Brick / Frame Type of Structural Deck: CDC Room Dimension:      x       
 Influence of Vibration: HIGH MODERATE LOW/NONE Potential for Air Erosion: HIGH MODERATE LOW/NONE

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N
						Total	Damaged	D/D P/D	
<b>Surfacing Material</b>									
Ceiling									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation									
Pipe Fittings									
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape									
<b>Miscellaneous Material</b>									
Ceiling	<u>CDC</u>								
North Wall	<u>1, 4, 7, 8</u>								
South Wall	<u>1, 7, 8</u>								
East Wall	<u>1, 7, 8</u>								
West Wall	<u>1, 4, 7, 8</u>								
Floor	<u>Roof</u>								
Cove Molding	<u>39, 40</u>								
Glazing	<u>13, 14</u>		<u>Wh. Tel. Panel</u>						

D/D - Degree of Damage  
 M - Minor  
 S - Significant  
 P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Project No.: 4216  
 Space ID No.: 5007  
 Date of Inspection: 8-18-06

Former Delco Appliance  
 415 Orchard Street  
 Rochester, New York

Type of Space: Office  
 Ceiling Height: \_\_\_\_\_ ft  
 Type of Structural Deck: Code

Type of Structural Floor: Code  
 Type of Structural Walls: Brick / Frame  
 Potential for Air Erosion: HIGH MODERATE (LOW/NONE)

Influence of Vibration: HIGH MODERATE (LOW/NONE)  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Total	Damaged	D/D	P/D	NOTES:		Suspect Material	ACM
										Y/N	Y/N		
<b>Surfacing Material</b>													
Ceiling													
Ceiling													
North Wall													
South Wall													
East Wall													
West Wall													
<b>Thermal System Insulation</b>													
Pipe Insulation	32, 34		White/Cream	✓		12 LF	Y	S	S			(Ordinary 5010)	Y
Pipe Fittings	33		Grey	✓		1 LF	Y	S	S			(Ordinary 5010)	Y
Pipe Insulation													
Pipe Fittings													
Duct Wrap													
Duct Tape													
<b>Miscellaneous Material</b>													
Ceiling	75			✓			Y	S	S			(OVER CONCRETE) (NOT IN 5013)	N
North Wall	1, 4, 7B, 7C			✓			Y	S	S				N
South Wall	1, 7B			✓			Y	S	S				N
East Wall	1, 7B			✓			Y	S	S				N
West Wall	1, 7B			✓			Y	S	S				N
Floor	DOOR			✓			Y	S	S				N
Cove Molding	39, 40			✓			Y	S	S				N
GUARD	13, 14		White/Pink	✓		1900 LF	Y	S	S				Y

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Former Delco Appliance  
415 Orchard Street  
Rochester, New York

Project No.: 4216

Space ID No.: 5017 Date of Inspection

2-13-06

Type of Space: VACANT

Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in

Type of Structural Deck

Type of Structural Walls

Type of Structural Floor

Potential for Air Erosion: HIGH MODERATE LOW/NONE

Potential for Air Erosion: HIGH MODERATE LOW/NONE

Influence of Vibration: HIGH MODERATE LOW/NONE  
(AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Influence of Vibration: HIGH MODERATE LOW/NONE

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N
						Total	Damaged	D/D P/D	
<b>Surfacing Material</b>									
Ceiling									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation									
Pipe Fittings									
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape									
<b>Miscellaneous Material</b>									
Ceiling	6026				✓				
North Wall	1, 4, 28, 73				✓	Y	S	S	N
South Wall	1, 28				✓				
East Wall	1, 4, 28, 73				✓	Y	↓	↓	↓
West Wall	1, 28				✓				
Floor	1000				✓				
Cove Molding	3A, 40				✓	Y	S	S	N
GLAZING	13, 14		White Pick		✓	Y	S	S	S

D/D - Degree of Damage  
M - Minor  
S - Significant

P/D - Potential for Damage  
M - Minor (Not Accessible)  
N - Not Significant (O M Only)  
S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance Project No.: 4216 Space ID No.: 5012 Date of Inspection: 2-12-06  
 Building Address: 415 Orchard Street Type of Space: \_\_\_\_\_ Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in  
 Type of Structural Floor: \_\_\_\_\_ Type of Structural Walls: \_\_\_\_\_ Type of Structural Deck: \_\_\_\_\_  
 Influence of Vibration: HIGH MODERATE LOW/NONE Potential for Air Erosion: HIGH MODERATE LOW/NONE Room Dimension: \_\_\_\_\_ x \_\_\_\_\_  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Total	D/D	P/D	NOTES:		ACM Y/N
									Damaged	Room Dimension	
<b>Surfacing Material</b>											
Ceiling											
Ceiling											
North Wall											
South Wall											
East Wall											
West Wall											
<b>Thermal System Insulation</b>											
Pipe Insulation	<u>32, 34</u>		<u>White/Green</u>	<u>✓</u>		<u>200 LF</u>	<u>✓</u>	<u>✓</u>			<u>✓</u>
Pipe Fittings	<u>33</u>		<u>Grey</u>	<u>✓</u>		<u>50 LF</u>	<u>✓</u>	<u>✓</u>			<u>✓</u>
Pipe Insulation											
Pipe Fittings											
Duct Wrap											
Duct Tape											
<b>Miscellaneous Material</b>											
Ceiling	<u>41, 42, 43</u>			<u>✓</u>			<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>OVER CORRS.</u>	<u>✓</u>
North Wall	<u>1, 4, 7, 8, 7, 3, 4, 3</u>			<u>✓</u>			<u>✓</u>	<u>✓</u>	<u>✓</u>		
South Wall	<u>1, 4, 7, 8, 7, 3, 4, 3</u>			<u>✓</u>			<u>✓</u>	<u>✓</u>	<u>✓</u>		
East Wall	<u>1, 4, 7, 8, 7, 3, 4, 3</u>			<u>✓</u>			<u>✓</u>	<u>✓</u>	<u>✓</u>		
West Wall	<u>1, 4, 7, 8, 7, 3, 4, 3</u>			<u>✓</u>			<u>✓</u>	<u>✓</u>	<u>✓</u>		
Floor	<u>CORRS</u>										
Cove Molding	<u>CORRS</u>										

D/D - Degree of Damage  
 M - Minor  
 S - Significant  
 P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)



### INTERIOR ROOM-BY-ROOM INSPECTION FORM

Building Name: Former Delco Appliance Project No.: 4216 Space ID No.: 5019 Date of Inspection: 2-18-06  
 Building Address: 415 Orchard Street Type of Space: Warehouse Type of Structural Deck: \_\_\_\_\_  
Rochester, New York Type of Structural Walls: \_\_\_\_\_ Potential for Air Erosion: HIGH MODERATE (LOW/NONE) Room Dimension: \_\_\_\_\_ x \_\_\_\_\_ in  
 Type of Structural Floor: \_\_\_\_\_ Influence of Vibration: HIGH MODERATE (LOW/NONE) Type of Structural Deck: \_\_\_\_\_

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			Total	D/D	P/D	NOTES:	ACM	Y/N
						Damaged	D/D	P/D						
<b>Surfacing Material</b>														
Ceiling														
Ceiling														
North Wall														
South Wall														
East Wall														
West Wall														
<b>Thermal System Insulation</b>														
Pipe Insulation														
Pipe Fittings														
Pipe Insulation														
Pipe Fittings														
Duct Wrap														
Duct Tape														
<u>Duct Insul.</u>	<u>38</u>				<u>✓</u>					<u>✓</u>	<u>✓</u>			<u>N</u>
<b>Miscellaneous Material</b>														
Ceiling	<u>41, 42</u>				<u>✓</u>									<u>N</u>
North Wall	<u>43, 4</u>				<u>✓</u>									
South Wall	<u>43, 4, 7, 3</u>				<u>✓</u>									
East Wall	<u>42, 4</u>				<u>✓</u>									
West Wall	<u>7, 3</u>				<u>✓</u>									
Floor														
Cove Molding	<u>Cove.</u>													
<u>Wire Drape</u>	<u>11</u>				<u>✓</u>					<u>✓</u>	<u>✓</u>			<u>N</u>

D/D - Degree of Damage  
 M - Minor  
 S - Significant  
 P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance      Project No.: 4216      Space ID No.: 5070      Date of Inspection: 2-18-06  
 Building Address: 415 Orchard Street      Type of Space: office  
 Type of Structural Floor: Rochester, New York      Type of Structural Walls: \_\_\_\_\_      Ceiling Height: \_\_\_\_\_ ft      in \_\_\_\_\_  
 Type of Structural Deck: \_\_\_\_\_      Room Dimension \_\_\_\_\_ x \_\_\_\_\_  
 Influence of Vibration: HIGH MODERATE (LOW/NONE)      Potential for Air Erosion: HIGH MODERATE (LOW/NONE)  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			Total	D/D	P/D	NOTES:	ACM	Y/N
						Damaged	D/D	P/D						
<b>Surfacing Material</b>														
Ceiling														
Ceiling														
North Wall														
South Wall														
East Wall														
West Wall														
<b>Thermal System Insulation</b>														
Pipe Insulation														
Pipe Fittings														
Pipe Insulation														
Pipe Fittings														
Duct Wrap														
Duct Tape														
<b>Miscellaneous Material</b>														
Ceiling	<u>25</u>			✓										
North Wall	<u>1, 28</u>			✓										
South Wall	<u>1, 4, 28, 73</u>			✓										
East Wall	<u>1, 28</u>			✓										
West Wall	<u>1, 28</u>			✓										
Floor	<u>000</u>			✓										
Cove Molding	<u>39, 40</u>			✓										
Concrete	<u>13, 14</u>		<u>White/Pink</u>	✓										

D/D - Degree of Damage  
 M - Minor  
 S - Significant  
 P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Project No.: 4216

Former Delco Appliance  
415 Orchard Street  
Rochester, New York

Space ID No.: 5022  
Type of Space: 5021

Date of Inspection: \_\_\_\_\_  
Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in

Room Dimension: \_\_\_\_\_ x \_\_\_\_\_

Type of Structural Floor: \_\_\_\_\_  
Type of Structural Walls: \_\_\_\_\_  
Type of Structural Deck: \_\_\_\_\_

Potential for Air Erosion: HIGH MODERATE (LOW/NONE)

Influence of Vibration: HIGH MODERATE (LOW/NONE)  
(AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Total	Damaged		P/D	NOTES:	ACM	Y/N
							D/D	S/S				
<b>Surfacing Material</b>												
Ceiling												
Ceiling												
North Wall												
South Wall												
East Wall												
West Wall												
<b>Thermal System Insulation</b>												
Pipe Insulation												
Pipe Fittings												
Pipe Insulation												
Pipe Fittings												
Duct Wrap												
Duct Tape												
<b>Miscellaneous Material</b>												
Ceiling	3926											
North Wall	1, 2B											
South Wall	1, 4, 2B, 2, 3											
East Wall	1, 2B											
West Wall	1, 2B											
Floor	None											
Cove Molding	39, 40											
	13, 14											
FLOOR	CARPET											

D/D - Degree of Damage  
M - Minor  
S - Significant

P/D - Potential for Damage  
M - Minor (Not Accessible)  
N - Not Significant (O M Only)  
S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance Project No.: 4216 Space ID No.: 5873 Date of Inspection: 8-12-06  
 Building Address: 415 Orchard Street Type of Space: \_\_\_\_\_ Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in \_\_\_\_\_  
 Type of Structural Floor: Rochester, New York Type of Structural Walls: \_\_\_\_\_ Type of Structural Deck: \_\_\_\_\_  
 Influence of Vibration: HIGH MODERATE (LOW/NONE) Potential for Air Erosion: HIGH MODERATE (LOW/NONE) Room Dimension: \_\_\_\_\_ x \_\_\_\_\_  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N
						Total	Damaged	D/D P/D	
<b>Surfacing Material</b>									
Ceiling									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation									
Pipe Fittings									
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape									
DOCT 1224	38			✓			✓	S S	N
<b>Miscellaneous Material</b>									
Ceiling	6026			✓			✓	S S	N
North Wall	1, 28			✓			✓	S S	N
South Wall	1, 28			✓			✓	S S	N
East Wall	1, 28			✓			✓	S S	N
West Wall	1, 28			✓			✓	S S	N
Floor	300D			✓			✓	S S	N
Cove Molding	39, 40			✓			✓	S S	N

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

## INTERIOR ROOM-BY-ROOM INSPECTION FORM

Building Name: \_\_\_\_\_ Project No.: 4216 Space ID No.: 5024 Date of Inspection: 2.12.06  
 Building Address: \_\_\_\_\_  
 Former Delco Appliance Type of Space: FRSPACE  
 415 Orchard Street Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in  
 Rochester, New York Type of Structural Walls: \_\_\_\_\_ Type of Structural Deck: \_\_\_\_\_  
 Type of Structural Floor: \_\_\_\_\_ Type of Structural Walls: \_\_\_\_\_ Potential for Air Erosion: HIGH MODERATE LOW/NONE Room Dimension: \_\_\_\_\_ x \_\_\_\_\_  
 Influence of Vibration: HIGH MODERATE LOW/NONE  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material	Total	Damaged	D/D	P/D	NOTES:	ACM
												Y/N
<b>Surfacing Material</b>												
Ceiling												
Ceiling												
North Wall												
South Wall												
East Wall												
West Wall												
<b>Thermal System Insulation</b>												
Pipe Insulation												
Pipe Fittings												
Pipe Insulation												
Pipe Fittings												
Duct Wrap												
Duct Tape												
<b>Miscellaneous Material</b>												
Ceiling	<u>Code</u>											
North Wall	<u>44, 45, 46, 47</u>			✓				✓	✓	✓		N
South Wall	<u>14, 28, 2, 3</u>			✓				✓	✓	✓		↓
East Wall	<u>44, 45, 46, 47</u>			✓				✓	✓	✓		
West Wall	<u>44, 45, 46, 47</u>			✓				✓	✓	✓		
Floor	<u>Door</u>											
Cove Molding												
	<u>13, 14</u>		<u>White/Pink</u>				<u>✓ 180 SF</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>		Y

D/D - Degree of Damage  
 M - Minor  
 S - Significant  
 P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

INTERIOR ROOM-BY-ROOM INSPECTION FORM

Project No.: 4216  
 Date of Inspection: 5.18.06  
 Space ID No.: PCE  
 Type of Space: PIPE CHASE  
 Ceiling Height: \_\_\_\_\_ ft  
 Type of Structural Deck: \_\_\_\_\_

Former Delco Appliance  
 415 Orchard Street  
 Rochester, New York

Type of Structural Floor: \_\_\_\_\_  
 Potential for Air Erosion: HIGH MODERATE (LOW/NONE)  
 Room Dimension: \_\_\_\_\_ x \_\_\_\_\_

Influence of Vibration: HIGH MODERATE (LOW/NONE)  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			NOTES:	ACM Y/N
						Total	Damaged	D/D P/D		
<i>Surfacing Material</i>										
Ceiling										
Ceiling										
North Wall										
South Wall										
East Wall										
West Wall										
<i>Thermal System Insulation</i>										
Pipe Insulation	32, 34			✓		✓	✓	✓		✓
Pipe Fittings										
Pipe Insulation										
Pipe Fittings										
Duct Wrap										
Duct Tape										
<i>Miscellaneous Material</i>										
Ceiling										
North Wall	2, 3			✓		✓	✓	✓		N ↓
South Wall	2, 3			✓		✓	✓	✓		
East Wall	2, 3			✓		✓	✓	✓		
West Wall	2, 3			✓		✓	✓	✓		
Floor										
Cove Molding										

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

5th Floor

Space ID No.: 57A

Project No.: 4216

Date of Inspection: 8-17-06

Former Delco Appliance  
415 Orchard Street  
Rochester, New York

Type of Space: Pipe Chase

Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in

Type of Structural Walls: \_\_\_\_\_

Type of Structural Deck: \_\_\_\_\_

Potential for Air Erosion: MODERATE (LOW/NONE)

Potential for Air Erosion: HIGH

Influence of Vibration: MODERATE (LOW/NONE)  
(AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Room Dimension \_\_\_\_\_ x \_\_\_\_\_

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N
						Total	Damaged	D/D P/D	
<b>Surfacing Material</b>									
Ceiling									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation	<u>32, 34</u>		<u>White/Ceak</u>	<u>✓</u>		<u>20%</u>	<u>Y</u>	<u>S</u>	<u>S</u>
Pipe Fittings									
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape									
<b>Miscellaneous Material</b>									
Ceiling									
North Wall	<u>23</u>			<u>✓</u>			<u>Y</u>	<u>S</u>	<u>S</u>
South Wall	<u>23</u>			<u>✓</u>			<u>Y</u>	<u>S</u>	<u>S</u>
East Wall	<u>23</u>			<u>✓</u>			<u>Y</u>	<u>S</u>	<u>S</u>
West Wall	<u>23</u>			<u>✓</u>			<u>Y</u>	<u>S</u>	<u>S</u>
Floor									
Cove Molding									

D/D - Degree of Damage  
M - Minor  
S - Significant

P/D - Potential for Damage  
M - Minor (Not Accessible)  
N - Not Significant (O M Only)  
S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance      Project No.: 4216      Space ID No.: 6001      Date of Inspection: 3-17-06  
 Building Address: 415 Orchard Street      Rochester, New York      Type of Space: Commercial      Ceiling Height: \_\_\_\_\_ ft      Type of Structural Deck: Concrete      Room Dimension: \_\_\_\_\_ x \_\_\_\_\_  
 Type of Structural Floor: \_\_\_\_\_      Type of Structural Walls: \_\_\_\_\_      Potential for Air Erosion: HIGH MODERATE (LOW/NONE)

Influence of Vibration: HIGH MODERATE (LOW/NONE)  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Total	Damaged		NOTES:	ACM	Y/N
							D/D	P/D			
<b>Surfacing Material</b>											
Ceiling											
Ceiling											
North Wall											
South Wall											
East Wall											
West Wall											
<b>Thermal System Insulation</b>											
Pipe Insulation	<u>32, 3A</u>		<u>White/Green</u>	<input checked="" type="checkbox"/>		<u>70 LF</u>		<u>S</u>	<u>S</u>		<u>Y</u>
Pipe Fittings	<u>32</u>		<u>Grey</u>	<input checked="" type="checkbox"/>				<u>S</u>	<u>S</u>		<u>Y</u>
Pipe Insulation											
Pipe Fittings											
Duct Wrap											
Duct Tape											
<b>Miscellaneous Material</b>											
Ceiling	<u>30, 31</u>			<input checked="" type="checkbox"/>				<u>Y</u>	<u>S</u>	<u>S</u>	<u>N</u>
North Wall	<u>1, 4, 7B</u>			<input checked="" type="checkbox"/>				<u>Y</u>	<u>S</u>	<u>S</u>	<u>N</u>
South Wall	<u>7, 3</u>			<input checked="" type="checkbox"/>				<u>Y</u>	<u>S</u>	<u>S</u>	<u>N</u>
East Wall	<u>2, 3</u>			<input checked="" type="checkbox"/>				<u>Y</u>	<u>S</u>	<u>S</u>	<u>N</u>
West Wall	<u>1, 4, 7B</u>			<input checked="" type="checkbox"/>				<u>Y</u>	<u>S</u>	<u>S</u>	<u>N</u>
Floor	<u>Door</u>			<input checked="" type="checkbox"/>				<u>Y</u>	<u>S</u>	<u>S</u>	<u>N</u>
Cove Molding	<u>Door</u>			<input checked="" type="checkbox"/>				<u>Y</u>	<u>S</u>	<u>S</u>	<u>N</u>
Wood Glaze	<u>13, 14</u>		<u>White/Pink</u>	<input checked="" type="checkbox"/>		<u>120 SF</u>		<u>Y</u>	<u>S</u>	<u>S</u>	<u>Y</u>

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)



**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Space ID No.: 6036 Date of Inspection: 3.17.06

Type of Space: SEW STAIRWAYS

Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in

Type of Structural Deck: \_\_\_\_\_

Room Dimension: \_\_\_\_\_ x \_\_\_\_\_

Project No.: 4216

Former Delco Appliance  
415 Orchard Street  
Rochester, New York

Type of Structural Walls: \_\_\_\_\_

Potential for Air Erosion: HIGH

MODERATE LOW/NONE

Influence of Vibration: HIGH MODERATE LOW/NONE  
(AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	NOTES:			ACM Y/N
						Total	Damaged	D/D P/D	
<b>Surfacing Material</b>									
Ceiling									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation	22, 34		White/Cream	✓		5 LF	3	3	Y
Pipe Fittings	33		Grey	✓		1 LF	3	3	Y
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape									
<b>Miscellaneous Material</b>									
Ceiling	Code								
North Wall	2, 3						Y	S	N
South Wall	2, 3						↓	↓	↓
East Wall	2, 3						↓	↓	↓
West Wall	2, 3						↓	↓	↓
Floor Tile	18, 19								
Cove Molding									
Wood Gravel	13, 14		White/Pink	✓		300 SF	Y	S	Y

D/D - Degree of Damage  
M - Minor  
S - Significant

P/D - Potential for Damage  
M - Minor (Not Accessible)  
N - Not Significant (O M Only)  
S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

6035

Space ID No.: 6003 Date of Inspection 8-17-06

Type of Space: Rest Room

Project No.: 4216

Former Delco Appliance  
415 Orchard Street  
Rochester, New York

Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in

Type of Structural Deck

Type of Structural Walls

Type of Structural Floor

Potential for Air Erosion: HIGH MODERATE (LOW/NONE)

Potential for Air Erosion: HIGH MODERATE (LOW/NONE)

Influence of Vibration: HIGH MODERATE (LOW/NONE)  
(AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Room Dimension \_\_\_\_\_ x \_\_\_\_\_

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Total			NOTES:	ACM Y/N
						Damaged	D/D	P/D		
<b>Surfacing Material</b>										
Ceiling										
Ceiling										
North Wall										
South Wall										
East Wall										
West Wall										
<b>Thermal System Insulation</b>										
Pipe Insulation										
Pipe Fittings										
Pipe Insulation										
Pipe Fittings										
Duct Wrap										
Duct Tape										
<b>Miscellaneous Material</b>										
Ceiling										
North Wall	2, 3			✓				Y	S	S
South Wall	1, 2, 3, 4, 8			✓				Y	S	S
East Wall	2, 3			✓				Y	S	S
West Wall	2, 3			✓				Y	S	S
Floor	18, 19			✓				Y	S	S
Cove Molding										
GRABBAR	13, 14		White/Pink							

D/D - Degree of Damage  
M - Minor  
S - Significant

P/D - Potential for Damage  
M - Minor (Not Accessible)  
N - Not Significant (O M Only)  
S - Significant (Accessible)

### INTERIOR ROOM-BY-ROOM INSPECTION FORM

Building Name: Former Delco Appliance

Project No.: 4216

Space ID No.: 6007

Date of Inspection: 3-17-06

Building Address: 415 Orchard Street

Type of Space: office

Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in

Type of Structural Floor: \_\_\_\_\_

Type of Structural Walls: \_\_\_\_\_

Type of Structural Deck: \_\_\_\_\_

Influence of Vibration: \_\_\_\_\_ Potential for Air Erosion: \_\_\_\_\_ Room Dimension: \_\_\_\_\_ x \_\_\_\_\_ x \_\_\_\_\_

High Moderate (LOW/NONE)

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N
						Total	Damaged	D/D P/D	
<b>Surfacing Material</b>									
Ceiling									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation									
Pipe Fittings									
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape									
<b>Miscellaneous Material</b>									
Ceiling	<u>30, 31, 35</u>			✓			✓	✓	N
North Wall	<u>1, 4, 36</u>			✓			✓	✓	N
South Wall	<u>1, 4, 36</u>			✓			✓	✓	N
East Wall	<u>1, 4, 36</u>			✓			✓	✓	N
West Wall	<u>1, 4, 36</u>			✓			✓	✓	N
Floor	<u>0000</u>								
Cove Molding	<u>0000</u>								
North Walls	<u>2, 3</u>			✓			✓	✓	N

(DO # 36 ID (0000, 0007))  
(DO # 36 ID (0000, 0007))  
(DO # 36 ID (0000))

INTERIOR ROOM-BY-ROOM INSPECTION FORM

Building Name: Former Delco Appliance 415 Orchard Street Rochester, New York  
Project No.: 4216  
Space ID No.: 6008 Date of Inspection: 8-17-06  
Type of Space: VACANT  
Ceiling Height: \_\_\_\_\_ ft  
Type of Structural Deck: \_\_\_\_\_ Room Dimension: \_\_\_\_\_ x \_\_\_\_\_

Type of Structural Floor: \_\_\_\_\_ Type of Structural Walls: \_\_\_\_\_ Potential for Air Erosion: HIGH MODERATE (LOW/NONE)  
Influence of Vibration: HIGH MODERATE (LOW/NONE) (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (if Relevant)	F	NF	Total	Damaged	D/D	P/D	NOTES:	ACM Y/N
<b>Surfacing Material</b>											
Ceiling											
Ceiling											
North Wall											
South Wall											
East Wall											
West Wall											
<b>Thermal System Insulation</b>											
Pipe Insulation											
Pipe Fittings											
Pipe Insulation											
Pipe Fittings											
Duct Wrap											
Duct Tape											
<b>Miscellaneous Material</b>											
Ceiling	20, 21, 35			✓					S	#24 Tan Fiberglass Peg Board	N
North Wall	24, 36, 37			✓					S		✓
South Wall	24, 36, 37			✓					S		✓
East Wall	24, 36, 37			✓					S		✓
West Wall	24, 36, 37			✓					S		✓
Floor	1000										
Cove Molding											

D/D - Degree of Damage  
M - Minor  
S - Significant

P/D - Potential for Damage  
M - Minor (Not Accessible)  
N - Not Significant (O M Only)  
S - Significant (Accessible)

6015, 6016  
6014, 6017  
6012

INTERIOR ROOM-BY-ROOM INSPECTION FORM

Space ID No.: 6009 Date of Inspection 8.17.06

Type of Space: VACANT

Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in

Type of Structural Deck \_\_\_\_\_

Potential for Air Erosion: HIGH MODERATE LOW/NONE Room Dimension \_\_\_\_\_ x \_\_\_\_\_

Project No.: 4216

Former Delco Appliance  
415 Orchard Street  
Rochester, New York

Type of Structural Walls \_\_\_\_\_

Influence of Vibration: HIGH MODERATE LOW/NONE  
(AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N
						Total	Damaged	D/D P/D	
<b>Surfacing Material</b>									
Ceiling									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation									
Pipe Fittings									
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape									
Door 12504	28			✓		✓	S	S	N
<b>Miscellaneous Material</b>									
Ceiling	30, 31			✓		✓	S	S	N
North Wall	1, 28			✓		✓	S	S	
South Wall	1, 4, 28			✓		✓	S	S	
East Wall	1, 28			✓		✓	S	S	
West Wall	1, 28			✓		✓	S	S	
Floor	0000			✓		✓	S	S	
Cove Molding	0000			✓		✓	S	S	
W.D. 0000 Gypsum	13, 14		White/Pink	✓		✓	S	S	

D/D - Degree of Damage  
M - Minor  
S - Significant

P/D - Potential for Damage  
M - Minor (Not Accessible)  
N - Not Significant (O M Only)  
S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

6011

Former Delco Appliance  
415 Orchard Street  
Rochester, New York

Project No.: 4216

Date of Inspection

3-17-02

Space ID No.: 6010  
Type of Space: office

Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in

Type of Structural Deck \_\_\_\_\_  
Room Dimension \_\_\_\_\_ x \_\_\_\_\_

Type of Structural Walls \_\_\_\_\_  
Potential for Air Erosion: **HIGH MODERATE LOW/NONE**

Influence of Vibration: **HIGH MODERATE LOW/NONE**  
(AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N
						Total	Damaged	D/D P/D	
<b>Surfacing Material</b>									
Ceiling									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation									
Pipe Fittings									
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape									
<b>Miscellaneous Material</b>									
Ceiling	None								
North Wall	1.7B				✓		Y	S	CEILING PART OF 6009
South Wall	1.7B				✓		↓	S	
East Wall	1.7B				✓		↓	S	
West Wall	1.7B				✓		↓	S	
Floor	CARPET				✓				
Cove Molding	DOOR				✓				OVER DOOR

P/D - Potential for Damage  
M - Minor (Not Accessible)  
N - Not Significant (O M Only)  
S - Significant (Accessible)

D/D - Degree of Damage  
M - Minor  
S - Significant

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance Project No.: 4216 Space ID No.: 6013 Date of Inspection: 8.17.06  
 Building Address: 415 Orchard Street Type of Space: OFFICE Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in  
 Type of Structural Floor: Rochester, New York Type of Structural Walls: \_\_\_\_\_ Type of Structural Deck: \_\_\_\_\_  
 Influence of Vibration: HIGH MODERATE LOW/NONE Potential for Air Erosion: HIGH MODERATE LOW/NONE Room Dimension: \_\_\_\_\_ x \_\_\_\_\_  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N
						Total	Damaged	D/D P/D	
<b>Surfacing Material</b>									
Ceiling									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation									
Pipe Fittings									
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape									
<b>Miscellaneous Material</b>									
Ceiling	<u>30, 31</u>			<input checked="" type="checkbox"/>					
North Wall	<u>Door</u>			<input checked="" type="checkbox"/>					
South Wall	<u>1, 4, 7, 8</u>			<input checked="" type="checkbox"/>					
East Wall	<u>1, 7, 8</u>			<input checked="" type="checkbox"/>					
West Wall	<u>1, 7, 8</u>			<input checked="" type="checkbox"/>					
Floor	<u>Door</u>								
Cove Molding	<u>Door</u>								
<u>W.D. Board Gypsum</u>	<u>13, 14</u>		<u>White/Pink</u>	<input checked="" type="checkbox"/>					

D/D - Degree of Damage  
 M - Minor  
 S - Significant  
 P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

6021  
6020  
6019  
6018

INTERIOR ROOM-BY-ROOM INSPECTION FORM

Former Delco Appliance  
415 Orchard Street  
Rochester, New York

Project No.: 4216  
Space ID No.: \_\_\_\_\_  
Type of Space: \_\_\_\_\_  
Date of Inspection: \_\_\_\_\_

8.17.06

Ceiling Height: \_\_\_\_\_ ft  
Type of Structural Deck: \_\_\_\_\_  
Room Dimension: \_\_\_\_\_ x \_\_\_\_\_

Potential for Air Erosion: HIGH MODERATE (LOW/NONE)

Type of Structural Floor: \_\_\_\_\_  
Influence of Vibration: \_\_\_\_\_  
(AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	D/D			P/D	NOTES:	ACM	
						Total	Damaged					Y/N
<b>Surfacing Material</b>												
Ceiling												
Ceiling												
North Wall												
South Wall												
East Wall												
West Wall												
<b>Thermal System Insulation</b>												
Pipe Insulation												
Pipe Fittings												
Pipe Insulation												
Pipe Fittings												
Duct Wrap												
Duct Tape												
<b>Miscellaneous Material</b>												
Ceiling	20.31											
North Wall	1.78											
South Wall	2.3 / 1.4											
East Wall	1.78											
West Wall	2.3											
Floor	Doors											
Cove Molding	Doors											

P/D - Potential for Damage  
M - Minor (Not Accessible)  
N - Not Significant (O M Only)  
S - Significant (Accessible)



## INTERIOR ROOM-BY-ROOM INSPECTION FORM

Building Name: Former Delco Appliance

Project No.: 4216

Space ID No.: 10011

Date of Inspection: 8.17.06

Building Address: 415 Orchard Street

Type of Space: STORAGE

Type of Structural Walls: \_\_\_\_\_

Potential for Air Erosion: HIGH MODERATE LOW/NONE

Room Dimension: \_\_\_\_\_ x \_\_\_\_\_

Rochester, New York

Ceiling Height: \_\_\_\_\_ ft

Type of Structural Deck: \_\_\_\_\_

Influence of Vibration: HIGH MODERATE LOW/NONE  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Total	Damaged	D/D	P/D	Suspect Material		
										NOTES:		
<b>Surfacing Material</b>												
Ceiling												
North Wall												
South Wall												
East Wall												
West Wall												
<b>Thermal System Insulation</b>												
Pipe Insulation												
Pipe Fittings												
Pipe Insulation												
Pipe Fittings												
Duct Wrap												
Duct Tape												
<b>Miscellaneous Material</b>												
Ceiling	<u>30, 31</u>			✓	✓				Y	S	<u>over CONCRETE</u>	
North Wall	<u>4, 28</u>			✓	✓				Y	S		
South Wall	<u>1, 28</u>			✓	✓							
East Wall	<u>1, 28</u>			✓	✓							
West Wall	<u>1, 4, 28</u>			✓	✓							
Floor	<u>WOOD</u>											
Cove Molding	<u>WOOD</u>											
WOOD GRATE	<u>13, 14</u>			✓	✓				Y	S	<u>White/Pink</u>	

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

60026  
60025, 60028  
60024, 60027

# INTERIOR ROOM-BY-ROOM INSPECTION FORM

Building Name: Former Delco Appliance  
Building Address: 415 Orchard Street  
Rochester, New York

Project No.: 4216

Space ID No.: \_\_\_\_\_ Date of Inspection: 8-17-06

Type of Space: Office

Ceiling Height: \_\_\_\_\_ ft

Type of Structural Deck: \_\_\_\_\_

Type of Structural Walls: \_\_\_\_\_

Type of Structural Floor: \_\_\_\_\_

Influence of Vibration: \_\_\_\_\_ Potential for Air Erosion: \_\_\_\_\_ Room Dimension \_\_\_\_\_ x \_\_\_\_\_

Homogeneous Area ID No. \_\_\_\_\_ Color (If Relevant) \_\_\_\_\_ F \_\_\_\_\_ NF \_\_\_\_\_

Potential for Air Erosion: HIGH MODERATE (LOW/NONE)

(AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Total	Damaged	D/D	P/D	NOTES:	ACM Y/N
<b>Surfacing Material</b>											
Ceiling											
Ceiling											
North Wall											
South Wall											
East Wall											
West Wall											
<b>Thermal System Insulation</b>											
Pipe Insulation											
Pipe Fittings											
Pipe Insulation											
Pipe Fittings											
Duct Wrap											
Duct Tape											
<b>Miscellaneous Material</b>											
Ceiling	3031			✓							N
North Wall	1, 4, 7, 8			✓							
South Wall	1, 7, 8			✓							
East Wall	1, 7, 8			✓							
West Wall	1, 7, 8			✓							
Floor	WOOD										
Cove Molding	WOOD										
ADDED GLASS	13, 14		White Pick	✓							

D/D - Degree of Damage  
M - Minor  
S - Significant

P/D - Potential for Damage  
M - Minor (Not Accessible)  
N - Not Significant (O M Only)  
S - Significant (Accessible)

6032  
6031  
6030  
6029  
office

INTERIOR ROOM-BY-ROOM INSPECTION FORM

Building Name: \_\_\_\_\_ Project No.: 4216  
 Building Address: 415 Orchard Street  
 Former Delco Appliance  
 Rochester, New York  
 Space ID No.: \_\_\_\_\_ Date of Inspection: 8-17-06  
 Type of Space: \_\_\_\_\_  
 Ceiling Height: \_\_\_\_\_ ft  
 Type of Structural Deck: \_\_\_\_\_  
 Type of Structural Walls: \_\_\_\_\_  
 Type of Structural Floor: \_\_\_\_\_  
 Potential for Air Erosion: HIGH MODERATE (LOW/NONE)  
 Room Dimension: \_\_\_\_\_ x \_\_\_\_\_

Influence of Vibration: HIGH MODERATE (LOW/NONE)  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N
						Total	Damaged	D/D P/D	
<b>Surfacing Material</b>									
Ceiling									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation									
Pipe Fittings									
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape									
<b>Miscellaneous Material</b>									
Ceiling	75, 30, 21			✓	✓	Y	S	S	OVER CONCRETE (31 NOT IN 6032)
North Wall	1, 4, 78			✓	✓	↓	↓	↓	
South Wall	1, 78			✓	✓	↓	↓	↓	
East Wall	1, 78			✓	✓	↓	↓	↓	
West Wall	1, 78			✓	✓				
Floor	DOOR								
Cove Molding	DOOR								
DIPED GROUT	13, 14		White/Pink	✓	✓	Y	S	S	

D/D - Degree of Damage  
 M - Minor  
 S - Significant  
 P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O.M. Only)  
 S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance Project No.: 4216 Space ID No.: LE033 Date of Inspection: 8.15.06  
 Building Address: 415 Orchard Street Type of Space: VACANT Ceiling Height:      ft \_\_\_\_\_ in \_\_\_\_\_  
 Type of Structural Floor: \_\_\_\_\_ Type of Structural Walls: \_\_\_\_\_ Type of Structural Deck: \_\_\_\_\_  
 Influence of Vibration: HIGH MODERATE LOW/NONE Potential for Air Erosion: HIGH MODERATE LOW/NONE Room Dimension \_\_\_\_\_ x \_\_\_\_\_  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N
						Total	Damaged	D/D P/D	
<b>Surfacing Material</b>									
Ceiling									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation									
Pipe Fittings									
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape									
<b>Miscellaneous Material</b>									
Ceiling	<u>30.31</u>			✓	✓				
North Wall	<u>1.4.7B</u>			✓	✓				
South Wall	<u>1.7B</u>			✓	✓				
East Wall	<u>1.4.7B</u>			✓	✓				
West Wall	<u>1.7B</u>			✓	✓				
Floor	<u>1000</u>			✓	✓				
Cove Molding	<u>1000</u>			✓	✓				
<u>W.D. 002 GATE</u>	<u>13.14</u>		<u>White/Pink</u>	✓	✓				

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O.M. Only)  
 S - Significant (Accessible)

1803  
900



6TH Floor

INTERIOR ROOM-BY-ROOM INSPECTION FORM

Space ID No.: PCD Date of Inspection 8-17-06

Type of Space: Pipe Chase

Ceiling Height: \_\_\_\_\_ ft

Type of Structural Deck \_\_\_\_\_

Potential for Air Erosion: HIGH MODERATE (LOW/NONE)

Room Dimension \_\_\_\_\_ x \_\_\_\_\_

Project No.: 4216

Former Delco Appliance

415 Orchard Street

Rochester, New York

Type of Structural Walls \_\_\_\_\_

Influence of Vibration: HIGH MODERATE (LOW/NONE)

(AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			NOTES:	ACM	Y/N
						Total	Damaged	D/D			
<b>Surfacing Material</b>											
Ceiling											
Ceiling											
North Wall											
South Wall											
East Wall											
West Wall											
<b>Thermal System Insulation</b>											
Pipe Insulation	<u>2C, 3A</u>		<u>White/Grey</u>			<u>Y</u>	<u>S</u>	<u>S</u>			<u>Y</u>
Pipe Fittings	<u>3B</u>		<u>Grey</u>			<u>Y</u>	<u>S</u>	<u>S</u>			<u>Y</u>
Pipe Insulation											
Pipe Fittings											
Duct Wrap											
Duct Tape											
<b>Miscellaneous Material</b>											
Ceiling											
North Wall	<u>2, 3</u>					<u>Y</u>	<u>S</u>	<u>S</u>			<u>N</u>
South Wall	<u>2, 3</u>					<u>Y</u>	<u>S</u>	<u>S</u>			<u>N</u>
East Wall	<u>2, 3</u>					<u>Y</u>	<u>S</u>	<u>S</u>			<u>N</u>
West Wall	<u>2, 3</u>					<u>Y</u>	<u>S</u>	<u>S</u>			<u>N</u>
Floor											
Cove Molding											

P/D - Potential for Damage  
M - Minor (Not Accessible)  
N - Not Significant (O M Only)  
S - Significant (Accessible)

D/D - Degree of Damage  
M - Minor  
S - Significant

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance      Project No.: 4216      Space ID No.: 7001      Date of Inspection: 2-17-06  
 Building Address: 415 Orchard Street      Rochester, New York      Type of Space: CORRIDOR      Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in  
 Type of Structural Floor: \_\_\_\_\_      Type of Structural Walls: \_\_\_\_\_      Type of Structural Deck: \_\_\_\_\_      Room Dimension: \_\_\_\_\_ x \_\_\_\_\_  
 Influence of Vibration: HIGH MODERATE (LOW/NONE)      Potential for Air Erosion: HIGH MODERATE (LOW/NONE)

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (if Relevant)	F	NF	Suspect Material			ACM Y/N	
						Total	Damaged	D/D P/D		NOTES:
<b>Surfacing Material</b>										
Ceiling	9			✓		Y	S	S	CONCRETE IN WALLS	N
Ceiling										
North Wall										N
South Wall				✓		Y	S	S		
East Wall	9									
West Wall										
<b>Thermal System Insulation</b>										
Pipe Insulation										
Pipe Fittings										
Pipe Insulation										
Pipe Fittings										
Duct Wrap										
Duct Tape										
<b>Miscellaneous Material</b>										
Ceiling				✓		Y	S	S		N
North Wall	1 4 78			✓		Y	S	S		N
South Wall	1 2 3 4 78			✓		Y	S	S		N
East Wall	1 4 78			✓		Y	S	S		N
West Wall	1			✓		Y	S	S	#5 TAN 12x12 FLOOR TILE	N
Floor TILE	5 6			✓		Y	S	S		N
Cove Molding	7 8			✓		Y	S	S		N

D/D - Degree of Damage  
 M - Minor  
 S - Significant  
 P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Building Name: Former Delco Appliance  
 Building Address: 415 Orchard Street  
Rochester, New York

Project No.: 4216

Space ID No.: 7002 Date of Inspection: 3-17-06

Type of Space: ABANDONED

Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in

Type of Structural Walls: CODE.

Type of Structural Deck: Plaster/Board

Potential for Air Erosion: HIGH MODERATE (LOW/NONE)

Room Dimension: \_\_\_\_\_ x \_\_\_\_\_

Type of Structural Floor: CODE.

Influence of Vibration: HIGH MODERATE (LOW/NONE)  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Total	Damaged	D/D	P/D	Suspect Material	
										Y/N	Y/N
<b>Surfacing Material</b>											
Ceiling	9				✓		✓	S	S		N
Ceiling											
North Wall	9			✓			✓	S	S		N
South Wall	9			✓			✓	S	S		N
East Wall	9			✓			✓	↓	↓		↓
West Wall	9			✓			✓	↓	↓		↓
<b>Thermal System Insulation</b>											
Pipe Insulation											
Pipe Fittings											
Pipe Insulation											
Pipe Fittings											
Duct Wrap											
Duct Tape											
<b>Miscellaneous Material</b>											
Ceiling											
North Wall	1, 4, 7, 8			✓			✓	S	S		N
South Wall	1, 4, 7, 8			✓			✓				↓
East Wall	1, 4, 7, 8			✓			✓				↓
West Wall	1, 4, 7, 8			✓			✓				↓
Floor Tiles	5, 6										
Cove Molding	7, 8			✓			✓				
Tile Paper	10			✓			✓	100sf			N
Pipe Wrap	11			✓			✓	4x76sf			N
Aluminum Grate	12		wh. kc	✓			✓	S	S		N
Aluminum Grate	13		Pickle	✓			✓	S	S		N
Aluminum Grate	14			✓			✓	S	S		N
NOTES: #5 TAN 12x12 FLEX-TILE SOUTH WALL PARTITION											

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)



### INTERIOR ROOM-BY-ROOM INSPECTION FORM

Building Name: Former Delco Appliance Project No.: 4216 Space ID No.: 7003 Date of Inspection: 3-17-06  
 Building Address: 415 Orchard Street Type of Space: REPAIR Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in  
 Type of Structural Floor: Rochester, New York Type of Structural Walls: \_\_\_\_\_ Type of Structural Deck: \_\_\_\_\_

Influence of Vibration: HIGH MODERATE LOW/NONE Potential for Air Erosion: HIGH MODERATE LOW/NONE Room Dimension: \_\_\_\_\_ x \_\_\_\_\_  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Total	D/D	P/D	Suspect Material	NOTES:	
										ACM	Y/N
<b>Surfacing Material</b>											
Ceiling	9					4	5	5			N
Ceiling	9					4	5	5			N
North Wall											
South Wall											
East Wall	9					4	5	5			N
West Wall											
<b>Thermal System Insulation</b>											
Pipe Insulation											
Pipe Fittings											
Pipe Insulation											
Pipe Fittings											
Duct Wrap											
Duct Tape											
<b>Miscellaneous Material</b>											
Ceiling											N
North Wall	4										N
South Wall	<del>4</del>										
East Wall	4										N
West Wall	<del>4</del>										
Floor											
Cove Molding											

D/D - Degree of Damage  
 M - Minor  
 S - Significant  
 P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

INTERIOR ROOM-BY-ROOM INSPECTION FORM

7019

8.17.06

Space ID No.: 7004 Date of Inspection  
 Type of Space: EAST STAIR  
 Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in  
 Type of Structural Deck: \_\_\_\_\_

Project No.: 4216

Former Delco Appliance  
 415 Orchard Street  
 Rochester, New York

Type of Structural Floor: \_\_\_\_\_ Type of Structural Walls: \_\_\_\_\_ Type of Structural Deck: \_\_\_\_\_  
 Influence of Vibration: HIGH MODERATE LOW/NONE Potential for Air Erosion: HIGH MODERATE LOW/NONE Room Dimension \_\_\_\_\_ x \_\_\_\_\_

LOW/NONE

LOW/NONE

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (IF Relevant)	F	NF	Total Damaged				NOTES:	ACM Y/N	
						D/D	P/D	P/D	P/D			
<i>Surfacing Material</i>												
Ceiling												
Ceiling												
North Wall												
South Wall												
East Wall												
West Wall												
<i>Thermal System Insulation</i>												
Pipe Insulation												
Pipe Fittings												
Pipe Insulation												
Pipe Fittings												
Duct Wrap												
Duct Tape												
<i>Miscellaneous Material</i>												
Ceiling	CORR.			✓								
North Wall	7, 3			✓				✓	S	S		N
South Wall	16, 17			✓				✓	✓	✓		
East Wall	2, 3			✓				✓	✓	✓		
West Wall	16, 17			✓				✓	✓	✓		
Floor	TILE CORR 18, 19			✓				✓	✓	✓		
Cove Molding												
FIRE DOOR	K			✓				✓	✓	✓		
WOOD SLAB	13, 14			✓				✓	✓	✓		

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Project No.: 4216  
 Space ID No.: 7018  
 Date of Inspection: 8-17-06

Former Delco Appliance  
 415 Orchard Street  
 Rochester, New York

Type of Structural Floor: COR.

Type of Structural Walls: Brick

Ceiling Height: \_\_\_\_\_ ft

Type of Structural Deck: CONC

Potential for Air Erosion: HIGH MODERATE (LOW/NONE)

Room Dimension: \_\_\_\_\_ x \_\_\_\_\_

Influence of Vibration: HIGH MODERATE (LOW/NONE)  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Total	Damaged	D/D	P/D	Suspect Material	
										Y	N
<b>Surfacing Material</b>											
Ceiling											
Ceiling											
North Wall											
South Wall											
East Wall											
West Wall											
<b>Thermal System Insulation</b>											
Pipe Insulation											
Pipe Fittings											
Pipe Insulation											
Pipe Fittings											
Duct Wrap											
Duct Tape											
<b>Miscellaneous Material</b>											
Ceiling	<u>COR.</u>										
North Wall	<u>16,17</u>										
South Wall	<u>2,3</u>										
East Wall	<u>16,17</u>										
West Wall	<u>2,3</u>										
Floor	<u>18,19</u>										
Cove Molding											
<u>GLASS</u>	<u>13,14</u>		<u>White/Pink</u>								

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

INTERIOR ROOM-BY-ROOM INSPECTION FORM

Building Name: Former Delco Appliance  
 Building Address: 415 Orchard Street  
Rochester, New York

Project No.: 4216

Space ID No.: 7006 Date of Inspection: 3-17-06  
 Type of Space: ELEC. CLOSET  
 Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in  
 Type of Structural Deck: \_\_\_\_\_

Type of Structural Floor: \_\_\_\_\_

Type of Structural Walls: \_\_\_\_\_

Influence of Vibration: \_\_\_\_\_ Potential for Air Erosion: HIGH MODERATE (LOW/NONE) Room Dimension \_\_\_\_\_ x \_\_\_\_\_

(AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N	
						Total	Damaged	D/D P/D		
<b>Surfacing Material</b>										
Ceiling	9				✓					N
Ceiling										
North Wall										
South Wall	9				✓					N
East Wall										
West Wall										
<b>Thermal System Insulation</b>										
Pipe Insulation										
Pipe Fittings										
Pipe Insulation										
Pipe Fittings										
Duct Wrap										
Duct Tape										
<b>Miscellaneous Material</b>										
Ceiling	20, 21				✓					N
North Wall	2, 3									N
South Wall										
East Wall	2, 3				✓					N
West Wall	2, 3				✓					N
Floor										
Cove Molding										
Wire Wrap	11				✓					N
Door Gasket	22				✓					N

*#20 Gypsum paper backing*

D/D - Degree of Damage  
 M - Minor  
 S - Significant

P/D - Potential for Damage  
 M - Minor (Not Accessible)  
 N - Not Significant (O M Only)  
 S - Significant (Accessible)

**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Project No.: 4216  
 Space ID No.: 1001 Date of Inspection: 2-17-06  
 Type of Space: Closet  
 Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in  
 Type of Structural Deck: Code.  
 Room Dimension: \_\_\_\_\_ x \_\_\_\_\_

Former Delco Appliance  
 415 Orchard Street  
 Rochester, New York  
 Type of Structural Walls: Code  
 Potential for Air Erosion: HIGH MODERATE (LOW/NONE)  
 Type of Structural Floor: Code

Influence of Vibration: HIGH MODERATE (LOW/NONE)  
 (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material				NOTES:	ACM Y/N	
						Total	Damaged	D/D	P/D			
<b>Surfacing Material</b>												
Ceiling												
Ceiling												
North Wall												
South Wall												
East Wall												
West Wall												
<b>Thermal System Insulation</b>												
Pipe Insulation												
Pipe Fittings												
Pipe Insulation												
Pipe Fittings												
Duct Wrap												
Duct Tape												
<b>Miscellaneous Material</b>												
Ceiling	24		T/N			Y	S	S	S			Y
North Wall	24			Y		3DSE						
South Wall	24			Y		(T/N)						
East Wall	24			Y								
West Wall	24			Y								
Floor	23			Y								N
Cove Molding												

7012 7014  
7011  
7010  
7009

INTERIOR ROOM-BY-ROOM INSPECTION FORM

Former Delco Appliance  
415 Orchard Street  
Rochester, New York

Project No.: 4216

Space ID No.: 7008  
Type of Space: office

Date of Inspection: 8-17-06

Type of Structural Floor: \_\_\_\_\_

Type of Structural Walls: \_\_\_\_\_

Type of Structural Deck: \_\_\_\_\_

Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in

Potential for Air Erosion: HIGH MODERATE (LOW/NONE)

Influence of Vibration: HIGH MODERATE (LOW/NONE)

(AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N
						Total	Damaged	D/D P/D	
<b>Surfacing Material</b>									
Ceiling	9			✓					N
Ceiling									
North Wall									
South Wall	9			✓					N
East Wall	9			✓					N
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation									
Pipe Fittings									
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape									
<b>Miscellaneous Material</b>									
Ceiling	75			✓					N
North Wall	1, 4, 7B			✓					
South Wall	1, 4, 7B			✓					
East Wall	1, 4, 7B			✓					
West Wall	1, 4, 7B			✓					
Floor	5, 6			✓					
Cove Molding	76, 77			✓					
Window Glaze	12			✓					
Window Glaze	13, 14		White/Pink	✓					

D/D - Degree of Damage  
M - Minor  
S - Significant

P/D - Potential for Damage  
M - Minor (Not Accessible)  
N - Not Significant (O M Only)  
S - Significant (Accessible)

INTERIOR ROOM-BY-ROOM INSPECTION FORM

Project No.: 4216

Space ID No.: 7015

Date of Inspection: 8-17-06

Former Delco Appliance

Building Name: 415 Orchard Street

Type of Space: office

Building Address: Rochester, New York

Type of Structural Floor: \_\_\_\_\_

Ceiling Height: \_\_\_\_\_ ft

Type of Structural Walls: \_\_\_\_\_

Potential for Air Erosion: HIGH MODERATE (LOW/NONE)

Type of Structural Deck: \_\_\_\_\_

Room Dimension: \_\_\_\_\_ x \_\_\_\_\_

Influence of Vibration: (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N
						Total	D/D	P/D	
<b>Surfacing Material</b>									
Ceiling	9								N
Ceiling									
North Wall									
South Wall	9								N
East Wall									
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation									
Pipe Fittings									
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape									
<b>Miscellaneous Material</b>									
Ceiling									
North Wall	14, 28								N
South Wall	14, 28								N
East Wall	14, 28								N
West Wall	14, 28								N
Floor Tiles	5, 6								Y
Cove Molding	7, 8								N
Woods Glue	12								N

D/D - Degree of Damage  
M - Minor  
S - Significant

P/D - Potential for Damage  
M - Minor (Not Accessible)  
N - Not Significant (O M Only)  
S - Significant (Accessible)





**INTERIOR ROOM-BY-ROOM INSPECTION FORM**

Project No.: 4216

Former Delco Appliance  
415 Orchard Street  
Rochester, New York

Space ID No.: 7017 Date of Inspection: 8/17/06  
Type of Space: VACANT  
Ceiling Height: \_\_\_\_\_ ft \_\_\_\_\_ in  
Type of Structural Deck: \_\_\_\_\_

Type of Structural Floor: \_\_\_\_\_ Type of Structural Walls: \_\_\_\_\_ Potential for Air Erosion: HIGH MODERATE (LOW/NONE) Room Dimension: \_\_\_\_\_ x \_\_\_\_\_

Influence of Vibration: HIGH MODERATE (LOW/NONE) (AC) = Above Ceiling, (BC) = Below Ceiling, (F) = Friable, (NF) = Non friable

Type of Material	Homogeneous Area ID No.	Location AC, BC	Color (If Relevant)	F	NF	Suspect Material			ACM Y/N
						Total	Damaged	D/D P/D	
<b>Surfacing Material</b>									
Ceiling									
Ceiling									
North Wall									
South Wall									
East Wall									
West Wall									
<b>Thermal System Insulation</b>									
Pipe Insulation									
Pipe Fittings									
Pipe Insulation									
Pipe Fittings									
Duct Wrap									
Duct Tape									
<b>Miscellaneous Material</b>									
Ceiling	<u>Code</u>			<input checked="" type="checkbox"/>					
North Wall	<u>23</u>			<input checked="" type="checkbox"/>			<u>S</u>	<u>S</u>	<u>N</u>
South Wall	<u>23</u>			<input checked="" type="checkbox"/>			<u>S</u>	<u>S</u>	<u>N</u>
East Wall	<u>23</u>			<input checked="" type="checkbox"/>			<u>S</u>	<u>S</u>	<u>N</u>
West Wall	<u>23</u>			<input checked="" type="checkbox"/>			<u>S</u>	<u>S</u>	<u>N</u>
Floor	<u>Code</u>			<input checked="" type="checkbox"/>					
Cove Molding									
<u>WOOD GRADE</u>	<u>13,14</u>		<u>White/Pink</u>	<input checked="" type="checkbox"/>			<u>S</u>	<u>S</u>	<u>S</u>
<u>WOOD GRADE</u>	<u>29</u>		<u>Black</u>	<input checked="" type="checkbox"/>			<u>S</u>	<u>S</u>	<u>S</u>

D/D - Degree of Damage  
M - Minor  
S - Significant

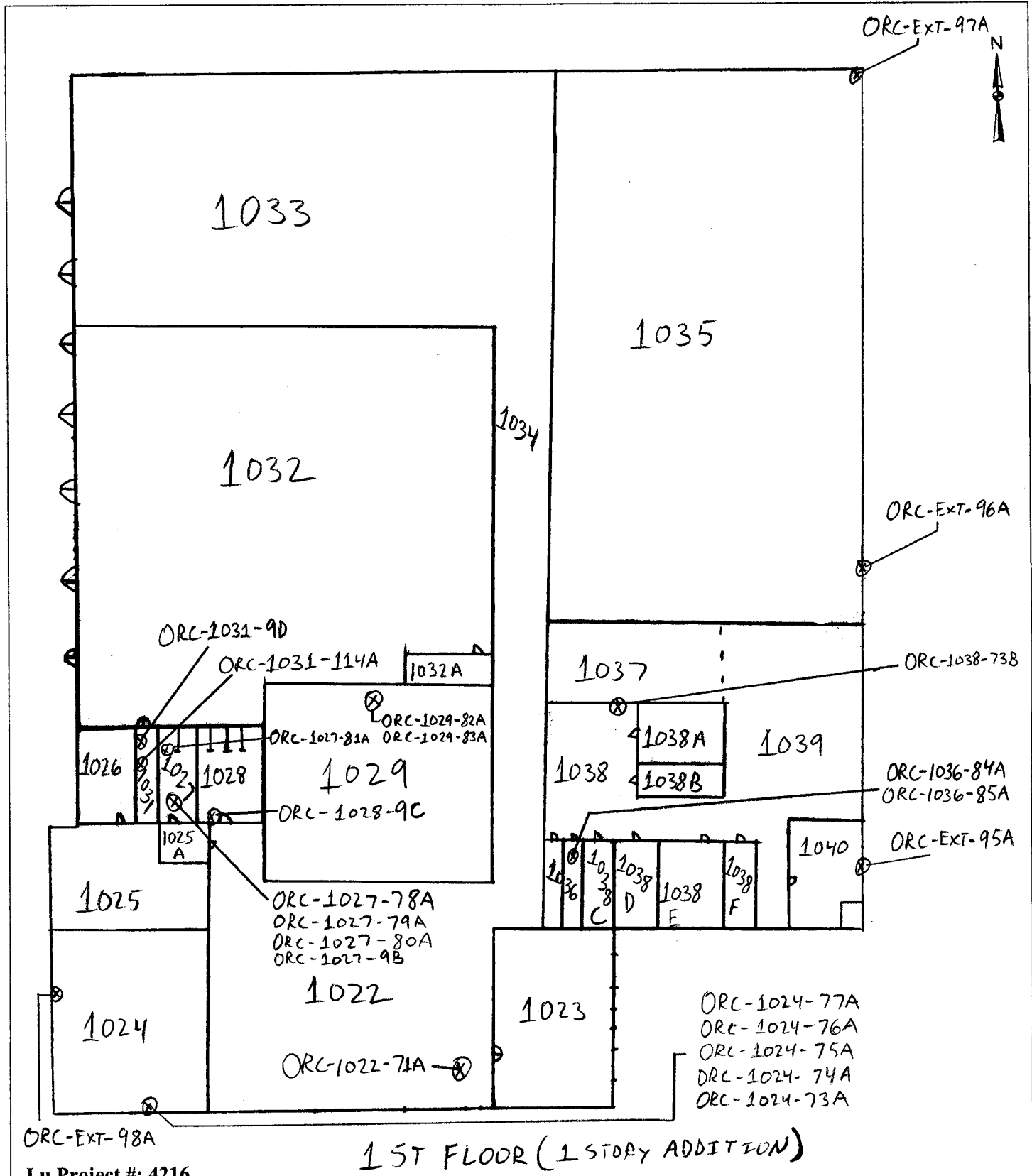
P/D - Potential for Damage  
M - Minor (Not Accessible)  
N - Not Significant (O.M Only)  
S - Significant (Accessible)

# ATTACHMENT D

*Asbestos Bulk Sample Location Sketches  
Laboratory Analytical Report,  
Bulk Sample Logs &  
Chain of Custody Forms*

**ASBESTOS TECHNICAL MEMORANDUM**

415 ORCHARD STREET SITE  
ROCHESTER, NEW YORK 14606



Lu Project #: 4216

1ST FLOOR (1 STORY ADDITION)

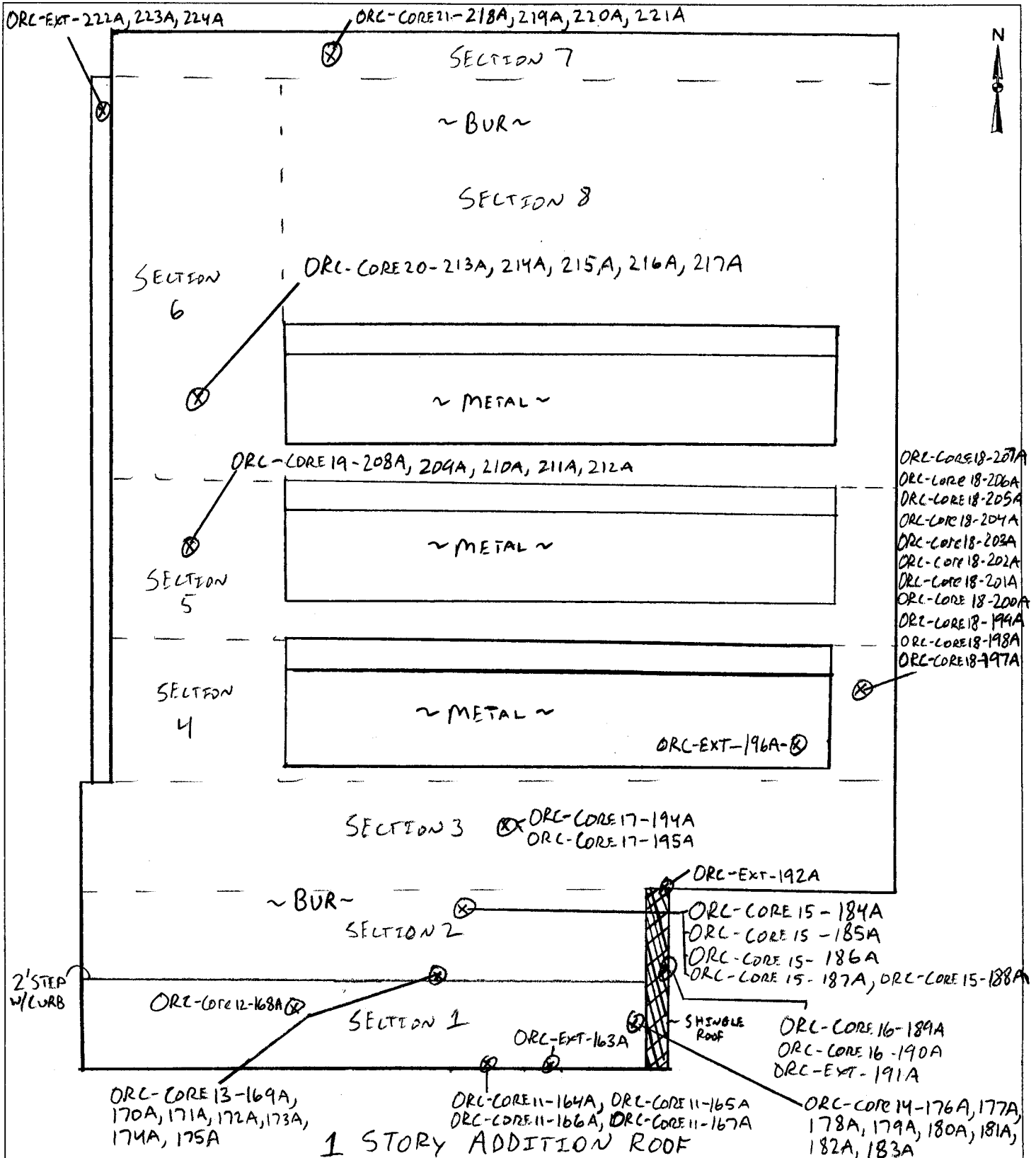


Sketch Is Not Drawn To Scale

**ASBESTOS SAMPLE LOCATION SKETCH**

415 Orchard Street  
Rochester, New York 14606

**Pre-demolition Technical Memorandum**



Lu Project #: 4216



**LU ENGINEERS**  
Civil and Environmental

Sketch Is Not Drawn To Scale

**ASBESTOS SAMPLE LOCATION SKETCH**

415 Orchard Street  
Rochester, New York 14606

**Pre-demolition Technical Memorandum**

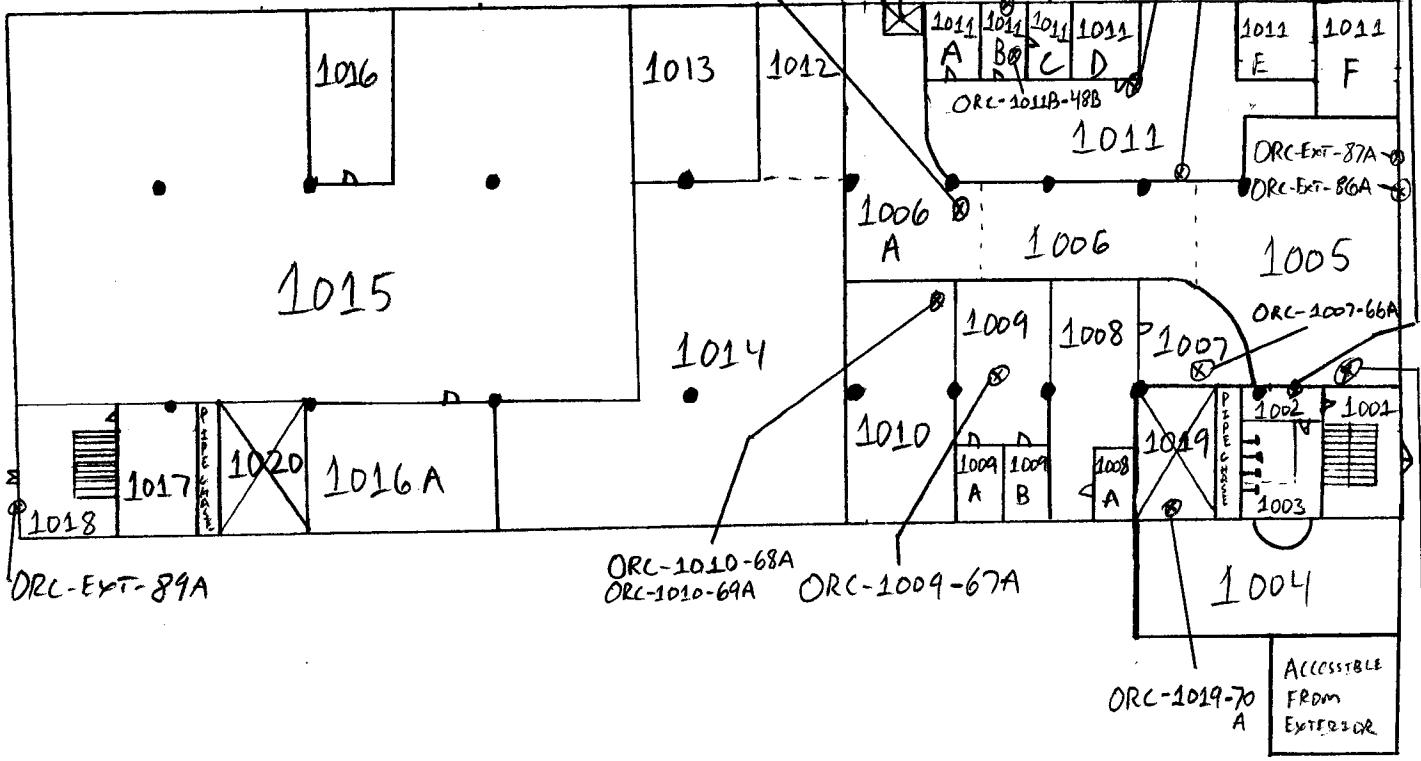


ORC-1002-56A  
ORC-1002-57A

ORC-1006-65A  
ORC-1006-64A  
ORC-1006-72A

ORC-1011B-11C  
ORC-1011-62A  
ORC-2011-63A

ORC-1011-60A  
ORC-1011-61A



ORC-EXT-89A

ORC-1010-68A  
ORC-1010-69A  
ORC-1009-67A

ORC-1019-70  
A  
ACCESSIBLE FROM EXTERIOR

ORC-1005-58A  
ORC-1005-59A

### 1ST FLOOR (MAIN BUILDING)

Lu Project #: 4216



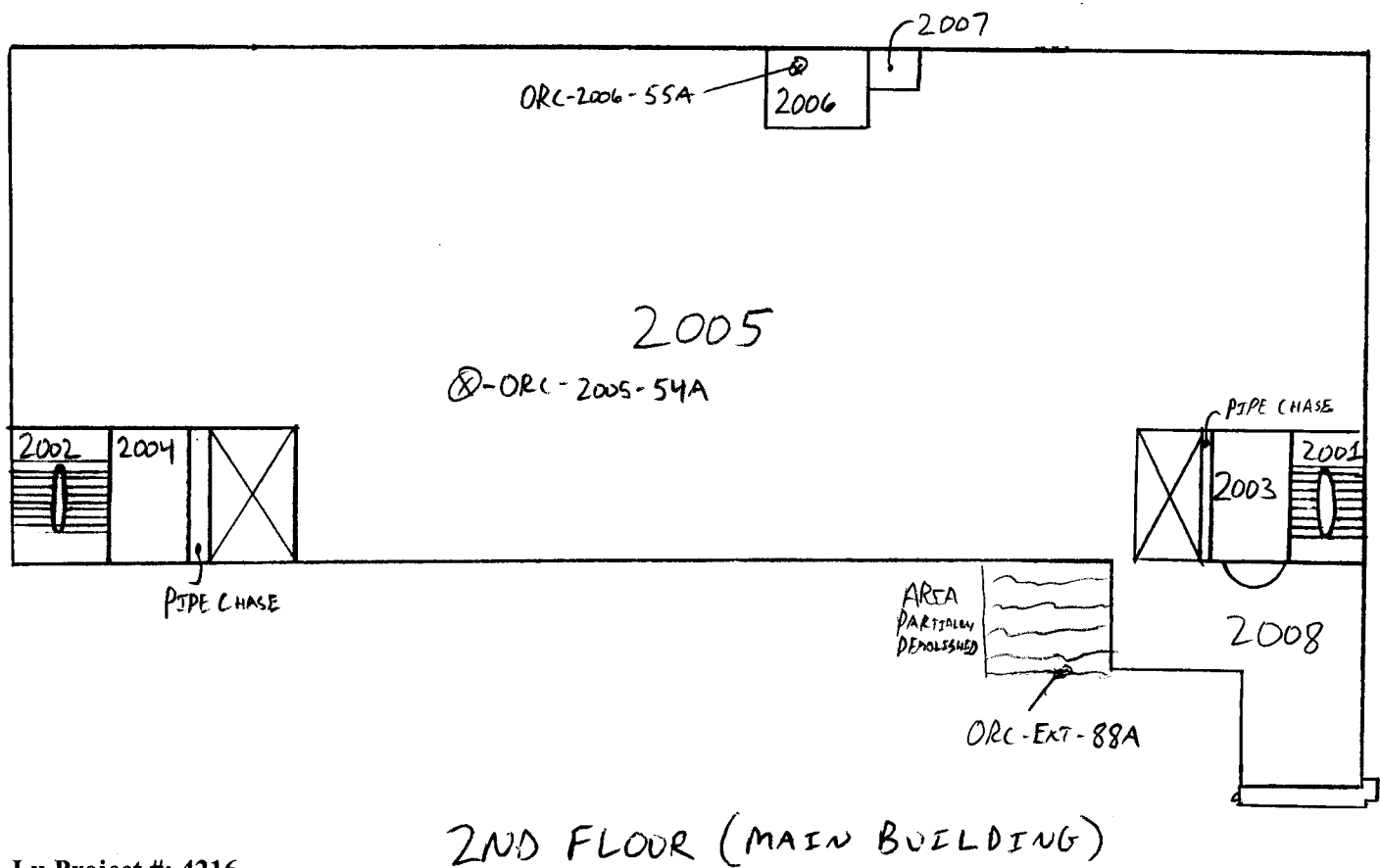
**LU ENGINEERS**  
Civil and Environmental

Sketch Is Not Drawn To Scale

### ASBESTOS SAMPLE LOCATION SKETCH

415 Orchard Street  
Rochester, New York 14606

**Pre-demolition Technical Memorandum**



Lu Project #: 4216



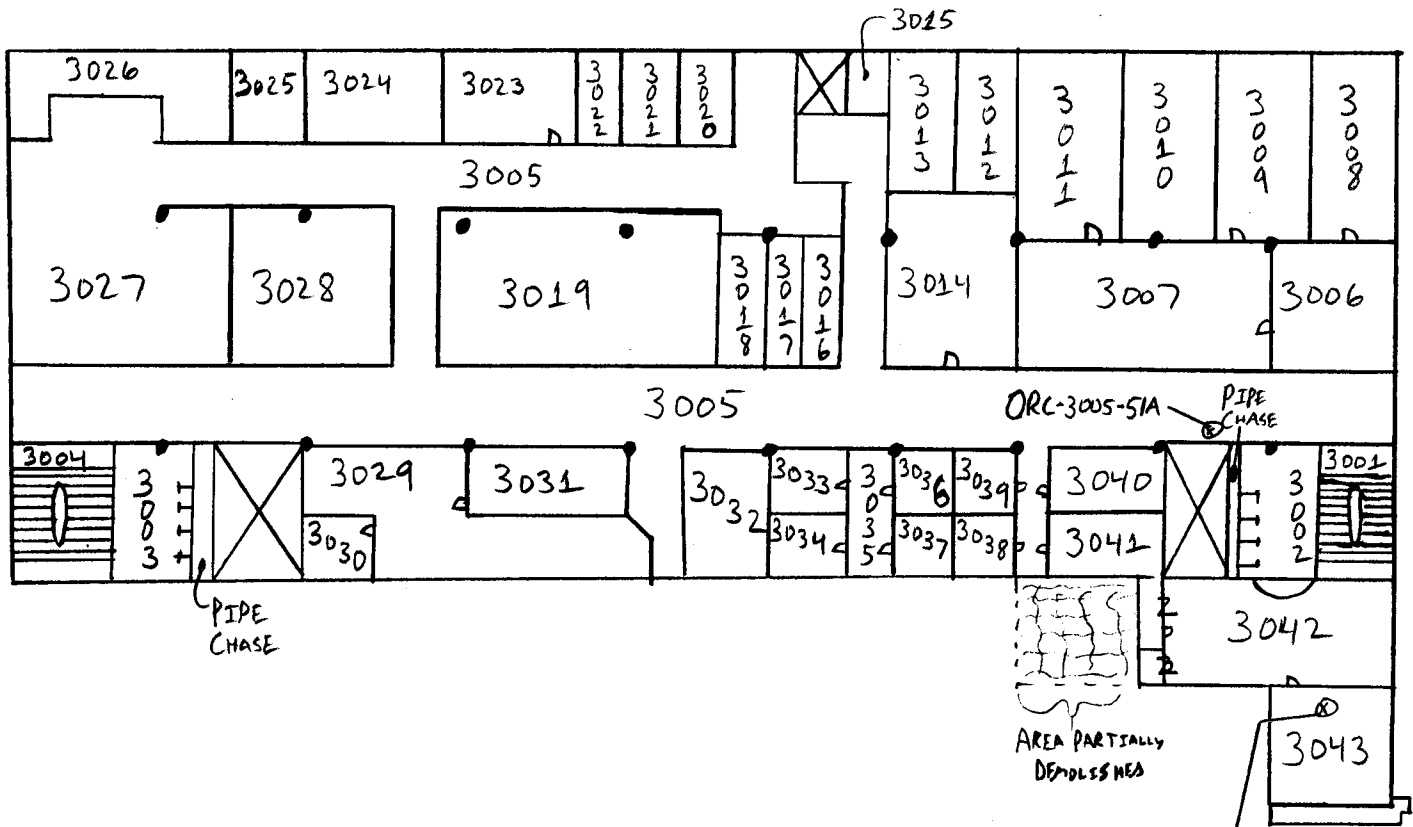
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### ASBESTOS SAMPLE LOCATION SKETCH

415 Orchard Street  
Rochester, New York 14606

**Pre-demolition Technical Memorandum**



3RD FLOOR (MAIN BUILDING)

ORC-3043-52A  
ORC-3043-53A

Lu Project #: 4216

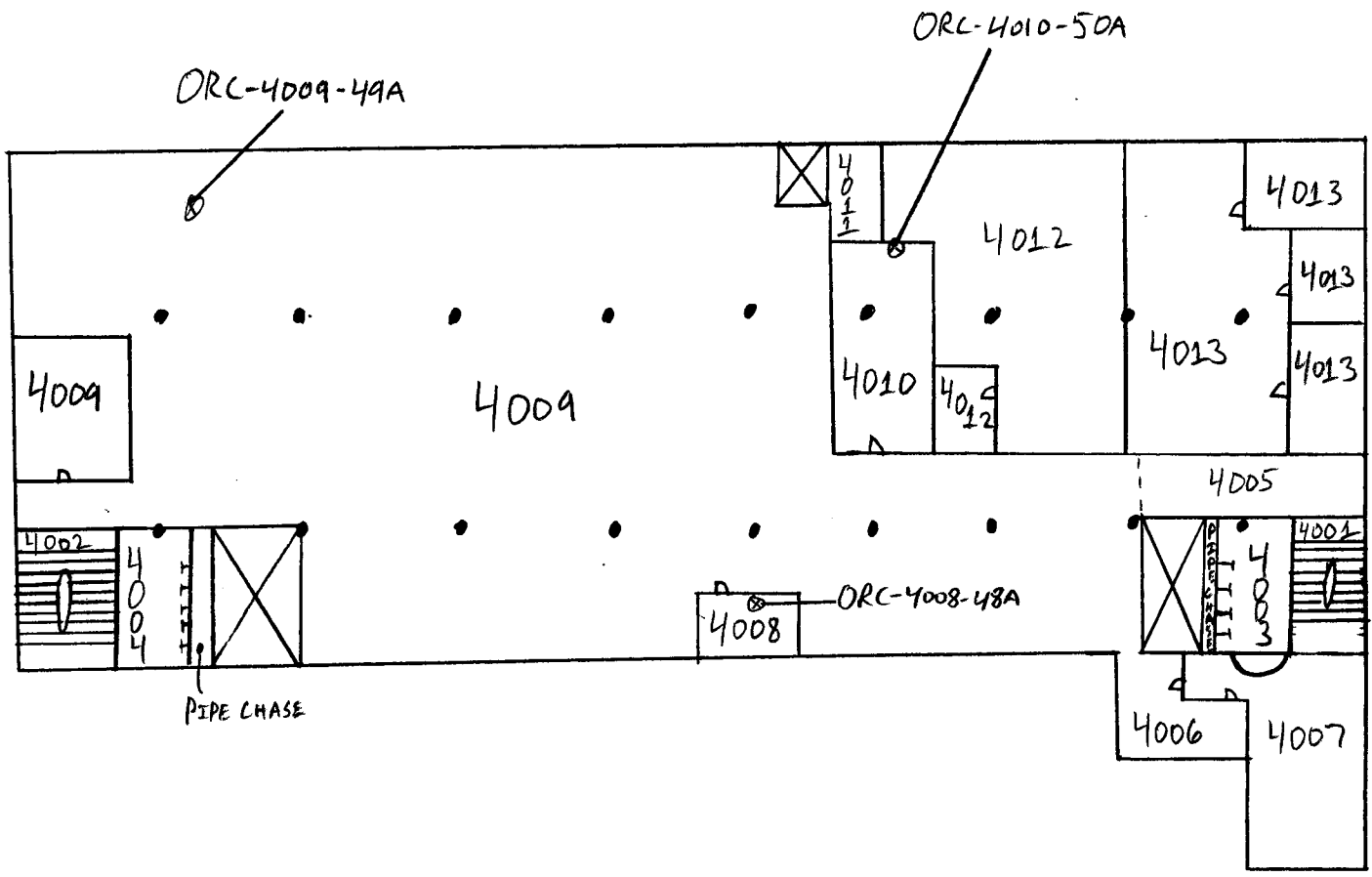


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**ASBESTOS SAMPLE LOCATION SKETCH**

415 Orchard Street  
Rochester, New York 14606

**Pre-demolition Technical Memorandum**



4TH FLOOR (MAIN BUILDING)

Lu Project #: 4216



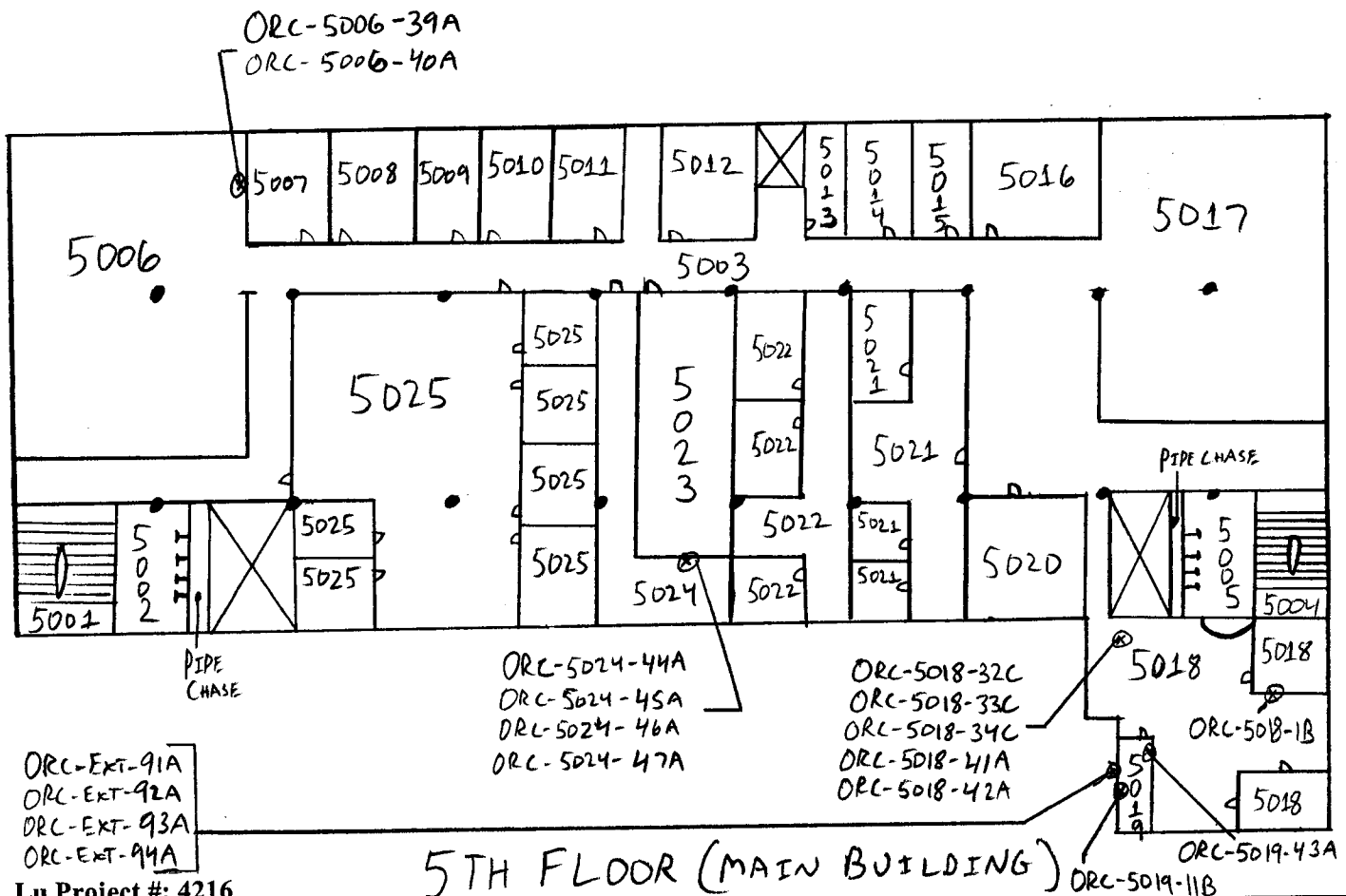
**ASBESTOS SAMPLE LOCATION SKETCH**

415 Orchard Street  
Rochester, New York 14606

Sketch Is Not Drawn To Scale

**Pre-demolition Technical Memorandum**





Lu Project #: 4216

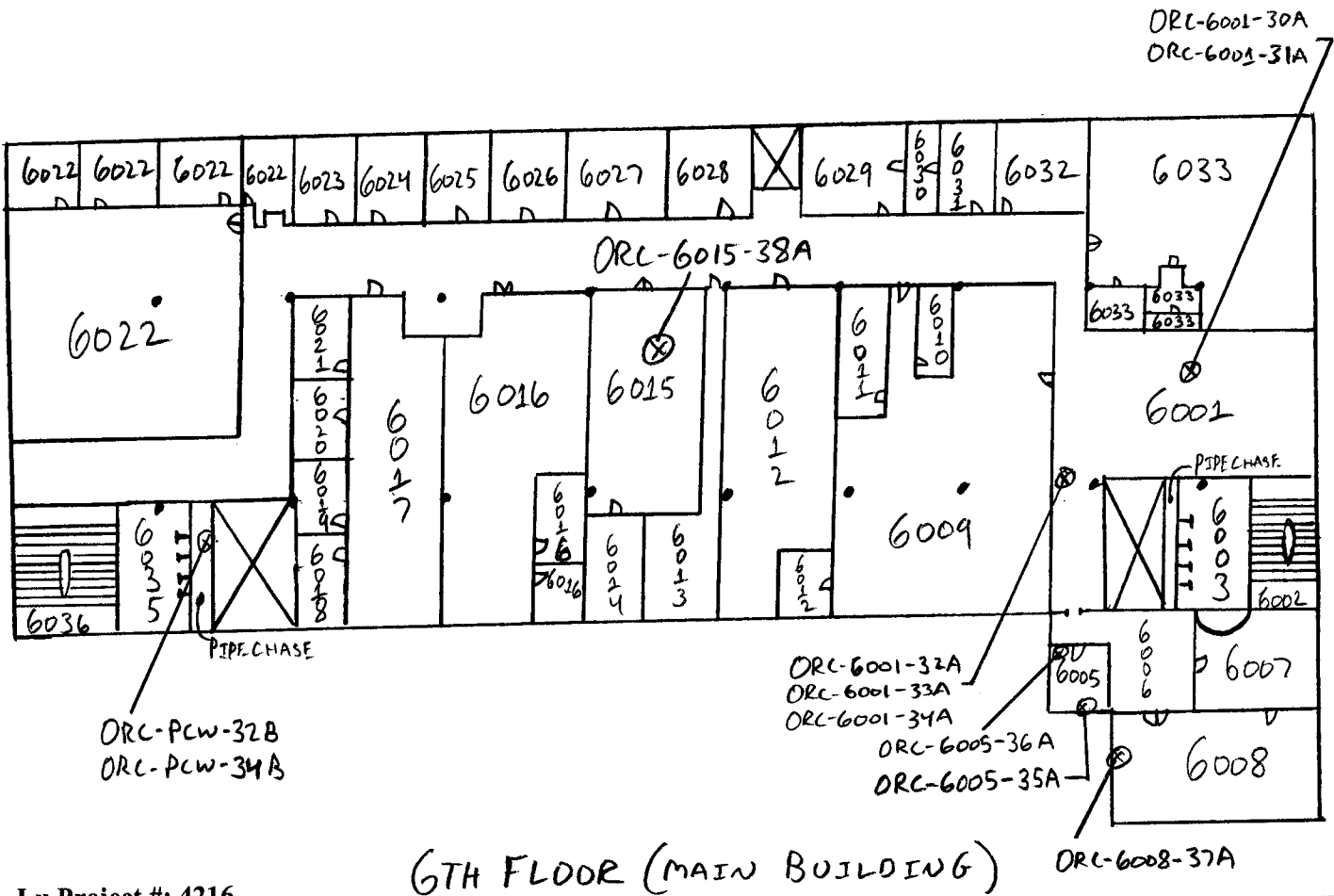
### 5TH FLOOR (MAIN BUILDING)



Sketch Is Not Drawn To Scale

**ASBESTOS SAMPLE LOCATION SKETCH**  
 415 Orchard Street  
 Rochester, New York 14606

**Pre-demolition Technical Memorandum**



Lu Project #: 4216

### 6TH FLOOR (MAIN BUILDING)

ORC-6008-37A



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Sketch Is Not Drawn To Scale

### ASBESTOS SAMPLE LOCATION SKETCH

415 Orchard Street  
Rochester, New York 14606

**Pre-demolition Technical Memorandum**



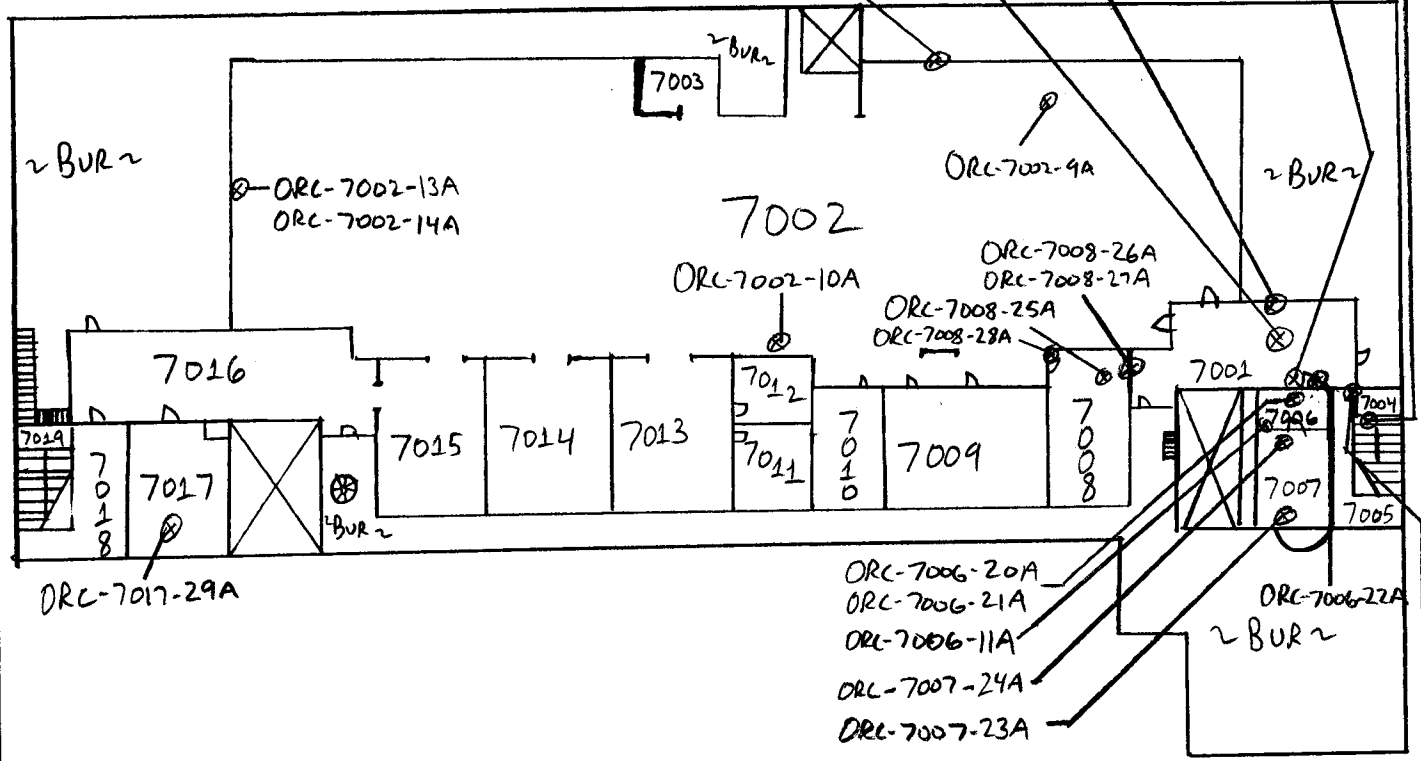
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 ORC-7004-18A  
 ORC-7004-17A  
 ORC-7004-16A

ORC-7001-6A  
 ORC-7001-5A

ORC-7004-8A  
 ORC-7001-7A  
 ORC-7001-4A

ORC-7001-3A  
 ORC-7001-2A  
 ORC-7001-1A

ORC-7002-12A



### 7TH FLOOR (MAIN BUILDING)

ORC-7004-15A

Lu Project #: 4216



### ASBESTOS SAMPLE LOCATION SKETCH

415 Orchard Street  
 Rochester, New York 14606

Sketch Is Not Drawn To Scale

### Pre-demolition Technical Memorandum

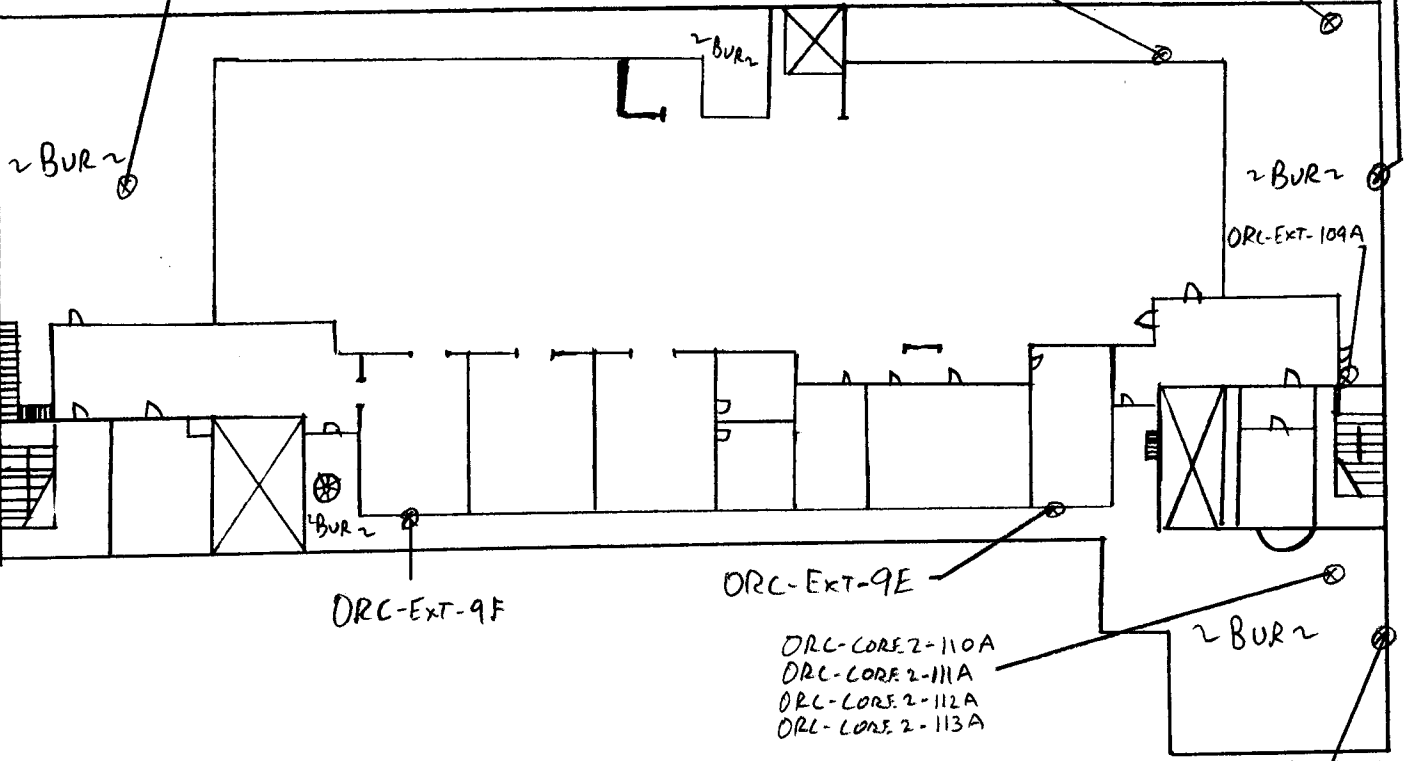


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 ORC-CORE 1-103A  
 ORC-CORE 1-102A  
 ORC-CORE 1-101A  
 ORC-CORE 1-100A  
 ORC-CORE 1-99A

ORC-EXT-105A  
 ORC-EXT-106A  
 ORC-EXT-107A  
 ORC-EXT-108A

ORC-CORE 3-117A  
 ORC-CORE 3-118A  
 ORC-CORE 3-119A

ORC-EXT-96



ORC-EXT-9E

ORC-CORE 2-110A  
 ORC-CORE 2-111A  
 ORC-CORE 2-112A  
 ORC-CORE 2-113A

ORC-EXT-9F

ORC-EXT-109A  
 ORC-EXT-115A  
 ORC-EXT-116A

7TH FLOOR (MAIN BUILDING) (CONTINUED)

Lu Project #: 4216



**LU ENGINEERS**  
 Civil and Environmental

Sketch Is Not Drawn To Scale

**ASBESTOS SAMPLE LOCATION SKETCH**

415 Orchard Street  
 Rochester, New York 14606

**Pre-demolition Technical Memorandum**

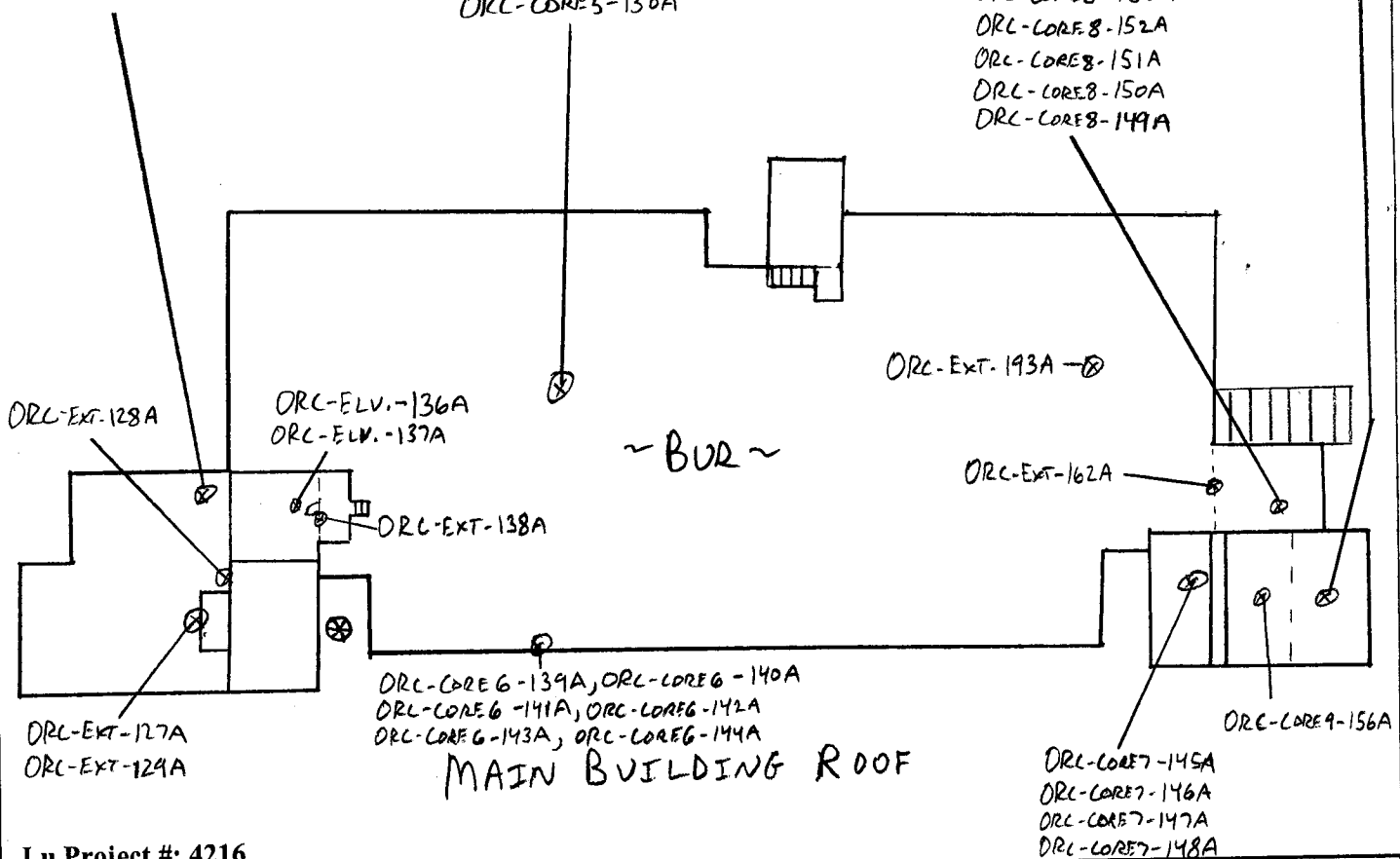


ORC-CORE10-161A  
 ORC-CORE10-160A  
 ORC-CORE10-159A  
 ORC-CORE10-158A  
 ORC-CORE10-157A

ORC-CORE4-126A  
 ORC-CORE4-125A  
 ORC-CORE4-124A  
 ORC-CORE4-123A  
 ORC-CORE4-122A  
 ORC-CORE4-121A  
 ORC-CORE4-120A

ORC-CORE5-135A  
 ORC-CORE5-134A  
 ORC-CORE5-133A  
 ORC-CORE5-132A  
 ORC-CORE5-131A  
 ORC-CORE5-130A

ORC-CORE8-155A  
 ORC-CORE8-154A  
 ORC-CORE8-153A  
 ORC-CORE8-152A  
 ORC-CORE8-151A  
 ORC-CORE8-150A  
 ORC-CORE8-149A



Lu Project #: 4216



**LU ENGINEERS**  
 Civil and Environmental

Sketch Is Not Drawn To Scale

**ASBESTOS SAMPLE LOCATION SKETCH**

415 Orchard Street  
 Rochester, New York 14606

**Pre-demolition Technical Memorandum**

# BULK SAMPLE ASBESTOS ANALYTICAL REPORT

LABELLA ASSOCIATES, P. C.  
ANALYTICAL LABORATORY  
300 STATE STREET  
ROCHESTER, NY 14614  
(585) 454-6110 FAX(585) 454-3066

LBL JOB # 55706

ELAP # 11184

TEM ELAP # 10920

CLIENT PROJECT # 4216

CLIENT: Joseph C. Lu Engin. & Land Surv., PC

SAMPLE TYPE: Bulk

ADDRESS: 2230 Penfield Road

SAMPLE DATE: 08/17/2006

Penfield, NY 14526-1922

Attn Christine Davey

PROJECT LOCATION: Orchard-Whitney Brownfield Investigation

FIELD ID	LBL ID	method	ASBESTOS TYPE	%	OTHER FIBERS	%	MATRIX	%	COLOR / DESCRIPTION
ORC-7001-1A	55706-1	P	ND		CELL/GLASS	3	MINERAL	97	WHITE DRYWALL
ORC-7001-2A	55706-2	P	ND		ND		MINERAL	100	RED BRICK
ORC-7001-3A	55706-3	P	ND		ND		MINERAL	100	BROWN MORTAR
ORC-7001-4A	55706-4	P	ND		FIBERGLASS	100	ND		PINK INSULATION
ORC-7001-5A	55706-5	N	CHRYSOTILE	15	ND		MIN/VINYL	85	TAN FLOOR TILE
ORC-7001-6A	55706-6	T	ND		ND		MIN/BINDER	100	BROWN MASTIC
ORC-7001-7A	55706-7	P	ND		ND		RUBBER	100	BROWN COVE MOLDING
ORC-7001-8A	55706-8	T	ND		ND		MIN/BINDER	100	TAN MASTIC
ORC-7002-9A	55706-9	P	ND		ND		MINERAL	100	GREY PLASTER
ORC-7002-10A	55706-10	G	ND		CELLULOSE	60	TAR	40	BLACK TAR PAPER
ORC-7006-11A	55706-11	P	ND		CELLULOSE	78	MINERAL	22	BLACK WIRE WRAP
ORC-7002-12A	55706-12	T	ND		ND		MIN/BINDER	100	WHITE CAULK
ORC-7002-13A	55706-13	T	CHRYSOTILE	6.1	CELLULOSE	0.9	MIN/BINDER	93	WHITE GLAZING
ORC-7002-14A	55706-14	T	CHRYSOTILE	<1	ND		MIN/BINDER	100	PINK GLAZING
ORC-7004-15A	55706-15	P	ND		CELL/GLASS	10	MINERAL	90	WHITE FIRE DOOR CORE
ORC-7004-16A	55706-16	P	ND		ND		MINERAL	100	SALMON BRICK
ORC-7004-17A	55706-17	P	ND		ND		MINERAL	100	GREY MORTAR
ORC-7004-18A	55706-18	P	ND		ND		MINERAL	100	RED TILE
ORC-7004-19A	55706-19	P	ND		ND		MINERAL	100	GREY GROUT
ORC-7006-20A	55706-20	P	CHRYSOTILE	95	ND		BINDER	5	GREY PAPER BACKING
ORC-7006-21A	55706-21	P	ND		FIBERGLASS	100	ND		OFF-WHITE INSULATION
ORC-7006-22A	55706-22	P	ND		CELL/GLASS	100	ND		TAN DOOR GASKET

Lab Supervisor: Matt Smith Date: 8/21/06

ND - None Detected CELL-Cellulose JC - Joint Compound MIN - Mineral GLASS - Fiberglass <1 = Trace PLAS - Plaster  
 P - Friable PLM analytical result N - NOB PLM analytical result T - TEM analytical result  
 G-Gravimetric Matrix Reduction. Sample residue weight <1% of original sample weight, TEM not required.

\*"Polarized-light microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can be used to determine if this material can be considered to be non-asbestos containing.

557

15 plm 5 tem

# BULK SAMPLE ASBESTOS ANALYTICAL REPORT

LBL JOB # 55706

FIELD ID	LBL ID	method	ASBESTOS TYPE	%	OTHER FIBERS	%	MATRIX	%	COLOR / DESCRIPTION
ORC-7007-23A	55706-23	P	ND		CELLULOSE	100	ND		TAN FIBERBOARD
ORC-7007-24A	55706-24	P	CHRYBOTILE	35	CELLULOSE	25	BINDER	40	TAN PEA BOARD
ORC-7008-25A	55706-25	P	ND		CELL/GLASS	100	ND		WHITE CEILING TILE
ORC-7008-26A	55706-26	P	ND		ND		RUBBER	100	BROWN COVE MOLDING
ORC-7008-27A	55706-27	T	ND		ND		MIN/BINDER	100	BROWN MASTIC
ORC-7008-28A	55706-28	T	ND		ND		MIN/BINDER	100	BROWN ADHESIVE
ORC-7017-29A	55706-29	N	CHRYBOTILE	11	ND		MIN/BINDER	89	BLACK GLAZING
ORC-6001-30A	55706-30	P	ND		CELLULOSE	100	ND		WHITE ACT
ORC-6001-31A	55706-31	T	ND		ND		MIN/BINDER	100	BROWN GLUE PUCK
ORC-6001-32A	55706-32	P	CHRYBOTILE	45	ND		MINERAL	55	WHITE INSULATION
ORC-6001-33A	55706-33	P	CHRYBOTILE	85	ND		MINERAL	15	GREY MUDDIED PIPE FITTING
ORC-6001-34A	55706-34		AMOSITE	7					
ORC-6002-34A	55706-34	P	CHRYBOTILE	3	CELL/GLASS	20	MINERAL	70	CREAM CLOTH WRAP
ORC-6005-35A	55706-35	P	ND		CELLULOSE	2	MINERAL	98	WHITE DRYWALL
ORC-6008-36A	55706-36	G	ND		FIBERGLASS	90	TAR	10	YELLOW INSULATION
ORC-6008-37A	55706-37	P	ND		CELLULOSE	100	ND		GREY WALLBOARD
ORC-6015-38A	55706-38	G	ND		FIBERGLASS	70	MIN/BINDER	30	BLACKW INSULATION BACKING
ORC-PCW-32B	55706-39	P	ND		CELLULOSE	85	MINERAL	15	WHITE INSULATION COVER
ORC-PCW-34B	55706-40	P	CHRYBOTILE	30	CELLULOSE	50	BINDER	20	CREAM PIPE COVERING

Lab Supervisor:     Matt Smith     Date:     8/21/06    

ND - None Detected    CELL-Cellulose    JC - Joint Compound    MIN - Mineral    GLASS - Fiberglass    <1 = Trace    PLAS - Plaster  
 P - Friable PLM analytical result    N - NOB PLM analytical result    T - TEM analytical result  
 G-Gravametric Matrix Reduction.    Sample residue weight <1% of original sample weight, TEM not required.

\*"Polarized-light microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can be used to determine if this material can be considered and treated as non-asbestos containing."  
PLM = 12    TEM = 3  
NOB = 6

LaBella Associates, P.C.  
 Analytical Laboratory  
 300 State Street  
 Rochester, NY 14614  
 585.454.6110 Fax 585.454.3066

P.O. #: 668664

LBL Job # 55706

Client: Lu Engineers

Project # 4216

Site Address: 415 Orchard Street

Rochester, New York

Pre-Abatement:

Work in Progress:

Site Description: Orchard-Whitney Brownfield Investigation

Finals:

Sample Technician: Roy Green

PCM  TEM

Observations/Comments \_\_\_\_\_

Field Data Sheet Supplied With Samples:  Yes / No

Date Sampled: 8/17/06

Requested Analysis: \_\_\_\_\_

Air-Fibers: \_\_\_\_\_

Bulk Asbestos:

Other: \_\_\_\_\_

Lab ID #	Field ID #
557 - 1	ORC-7001-1A
2	ORC-7001-2A
3	ORC-7001-3A
4	ORC-7001-4A
5	ORC-7001-5A
6	ORC-7001-6A
7	ORC-7001-7A
8	ORC-7001-8A
9	ORC-7001-9A
10	ORC-7002-10A
12A	ORC-7002-12A
13A	ORC-7002-13A
14A	ORC-7002-14A
15A	ORC-7004-15A
✓ 16A	ORC-7004-16A
✓ 17A	ORC-7004-17A

Lab ID #	Field ID #
557 <del>18A</del>	ORC-7004-18A
19	ORC-7004-19A
20	ORC-7006-20A
21	ORC-7006-21A
31	ORC-6001-31A
32	ORC-6001-32A
33	ORC-6001-33A
34	ORC-6001-34A
35	ORC-6005-35A
36	ORC-6005-36A
37	ORC-6008-37A
38	ORC-6015-38A
39	ORC-PCW-32B
40	ORC-PCW-34B
✓ 11A	ORC-7006-11A
✓ 22	ORC-7006-22A

Lab ID #	Field ID #
557 <del>23A</del>	ORC-7007-23A
24	ORC-7007-24A
25	ORC-7008-25A
26	ORC-7008-26A
27	ORC-7008-27A
28	ORC-7008-28A
29	ORC-7017-29A
✓ 30	ORC-6001-30A

Lab ID #	Field ID #

Relinquished By

Roy Green

Date:

8/18/06

Carrier:

HAND DELIVERED

Number of Samples:

40

Received By:

Math Smith

Date:

8/19/06

Fax Results To:

585-377-1266

Tech. Contact/Pager #:

303-2031





**LU ENGINEERS**  
Civil and Environmental  
2230 Penfield Road  
Penfield, NY 14526-1922

Job #: 4216  
Job Name: Orchard-Whitney Brownfield Investigation  
Date: 8.17.06  
Name: R. Gifford

415 ORCHARD STREET SITE

ASBESTOS BULK SAMPLE LOG

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL TYPE	AMOUNT	CONDITION	NOTES
01EC-7001-1A	SOUTH WALL	Drywall			
01EC-7001-2A	SOUTH WALL	Red Brick			
01EC-7001-3A	SOUTH WALL	BROAD MORTAR			
01EC-7001-4A	NORTH WALL	PINK FIBERGLASS			21 SIDER BACKSLASH
01EC-7001-5A	EAST END OF CORRIDOR	TAD JETIZ VFT			
01EC-7001-6A	EAST END OF CORRIDOR	BROAD MASTIC			
01EC-7001-7A	NORTH WALL OF CORRIDOR	BROAD CORE MORTAR			
01EC-7001-8A	NORTH WALL OF CORRIDOR	TAD MASTIC			
01EC-7001-9A	NE CORNER CORRIDOR	GREY PLASTER			
01EC-7002-10A	SOUTH WALL @ PARKING	BLACK TAR PAPER	100 sf		



# LU ENGINEERS

Civil and Environmental  
2230 Penfield Road  
Penfield, NY 14526-1922

Job #: 4216  
Job Name: Orchard-Whitney Brownfield Investigation  
Date: 8-17-06  
Name: E. Greene

## 415 ORCHARD STREET SITE

### ASBESTOS BULK SAMPLE LOG

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL TYPE	AMOUNT	CONDITION	NOTES
ORC-7002-12A	NORTH WALL @ CASEMENT D.DOR	WHITE STICKY D.DOR GLAZE	26 LF / 4		
ORC-7002-13A	WEST WALL @ D.DOR	WHITE D.DOR GLAZE	180 LF + 90 LF + 60 LF + 180 LF		SAME QUANTITY AS ORC-7002-13A
ORC-7002-14A	WEST WALL @ D.DOR	PINK D.DOR GLAZE			
ORC-7004-15A	EAST STAIR NEW @ DOOR	WHITE FIRE DOOR CORE	21 SF		
ORC-7004-16A	WEST WALL OF STAIRWELL	SALMON BRICK			
ORC-7004-17A	WEST WALL OF STAIRWELL	GREY MORTAR			
ORC-7004-18A	TOP LADDER OF STAIRWELL	RED 6" x 6" QUARRY TILE			
ORC-7004-19A	TOP LADDER OF STAIRWELL	PALE GREY GROUT			
ORC-7006-20A	CENIDE OF ELEC. CLOSET	GREY PAPER BACKED			+ 2 FT DORS WALL
ORC-7006-21A	CENIDE OF ELEC. CLOSET	OFF-WHITE INSULATION			+ 2 FT DORS WALL



**LU ENGINEERS**  
Civil and Environmental  
2230 Penfield Road  
Penfield, NY 14526-1922

Job Name: Orchard-Whitney Brownfield Investigation  
Job #: 4216  
Date: 2.17.06  
Name: R. C. [Signature]

415 ORCHARD STREET SITE

ASBESTOS BULK SAMPLE LOG

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL TYPE	AMOUNT	CONDITION	NOTES
DEC-7006-11A	WEST WALL OF ELEC. CLOSET	CLOTH WIRE NET			
DEC-7006-22A	NORTH DOOR OF ELEC. CLOSET	TAD DOOR GASKET	20 LF		
DEC-7007-23A	FLOOR OF CLOSET	TAD FIBER-BOARD FLOORING			
DEC-7007-24A	NORTH WALL OF CLOSET	TAN PFC BOARD			
DEC-7008-15A	NE CORNER OFFICE CEILING	WHITE 2x4 SACT			
DEC-7008-26A	EAST WALL OF OFFICE	LT. BROAD 5" CONE MOUND			
DEC-7008-27A	EAST WALL OF OFFICE	DARK BROAD MASTIC			
DEC-7008-28A	NORTH WALL OF OFFICE	BROAD DRYWALL ADHESIVE			
DEC-7017-29A	SKYLIGHT	BLACK SKY-LIGHT GLAZING	40 LF		
DEC-6001-30A	EAST CORRIDOR	WHITE 12"X12" ACT			



**LU ENGINEERS**  
Civil and Environmental  
2230 Penfield Road  
Penfield, NY 14526-1922

Job #: 4216  
Job Name: Orchard-Whitney Brownfield Investigation  
Date: 8-17-06  
Name: R. Gifford

415 ORCHARD STREET SITE

ASBESTOS BULK SAMPLE LOG

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL TYPE	AMOUNT	CONDITION	NOTES
ORC-6001-31A	EAST CORRIDOR	BROWN ADHESIVE GIDE PASTE			
ORC-6001-32A	West EDD of CORRIDOR	WHITE "MAG" PIPE INSULATION			
ORC-6001-33A	West EDD of CORRIDOR	GREY MILDRED PIPE FINISH			
ORC-6001-34A	West EDD of CORRIDOR	CREME' CLOTH WRAP			
ORC-6005-35A	SOUTH OFFICE CEILING	WHITE DRYWALL			
ORC-6005-36A	West Wall of OFFICE	YELLOW INSULATION			W/ SILVER BACKING
ORC-6008-37A	EAST WALL of ROOM	GREY FIBER WALL BOARD			
ORC-6015-38A	HVAC DUCT	BURKE INSUL. BACKING			
ORC-PCA-32B	PIPE CHASE WEST	WHITE FIBERGLASS PIPE COVERING			
ORC-PCA-34B	PIPE CHASE WEST	CREME' CLOTH PIPE COVERING			

# BULK SAMPLE ASBESTOS ANALYTICAL REPORT

LABELLA ASSOCIATES, P. C.  
ANALYTICAL LABORATORY  
300 STATE STREET  
ROCHESTER, NY 14614  
(585) 454-6110 FAX(585) 454-3066

LBL JOB # 56106

ELAP # 11184  
TEM ELAP # 10920

CLIENT PROJECT # 4216

CLIENT: Joseph C. Lu Engin. & Land Surv., PC  
ADDRESS: 2230 Penfield Road  
Penfield, NY 14526-1922  
Attn Christine Davey

SAMPLE TYPE: Bulk

SAMPLE DATE: 08/18/2006

PROJECT LOCATION: Orchard-Whitney Brownfield Investigation (PO# 668664)

FIELD ID	LBL ID	method	ASBESTOS TYPE	%	OTHER FIBERS	%	MATRIX	%	COLOR / DESCRIPTION
ORC-5006-39A	56106-1	P	ND		ND		RUBBER	100	BROWN COVE MOLDING
ORC-5006-40A	56106-2	T	ND		ND		MIN/BINDER	100	BROWN MASTIC
ORC-5018-32C	56106-3	P	CHRYSTILE	20	CELLULOSE	65	BINDER	15	WHITE PIPE INSULATION
ORC-5018-33C	56106-4	P	CHRYSTILE	88	ND		MINERAL	12	GREY MUD INSULATION
ORC-5018-34C	56106-5	P	ND		CELLULOSE	100	ND		CREAM CLOTH
ORC-5018-41A	56106-6	P	ND		FIBERGLASS	100	ND		WHITE ACT
ORC-5018-42A	56106-7	T	ND		ND		MIN/BINDER	100	BROWN GLUE PUCK
ORC-5018-1B	56106-8	P	ND		CELL/GLASS	5	MINERAL	95	WHITE DRYWALL
ORC-5019-43A	56106-9	P	ND		CELLULOSE	100	ND		BROWN WALLBOARD
ORC-5019-11 <del>AB</del> <sup>P.G.</sup>	56106-10	G	ND		CELL/GLASS	80	TAR	20	BLACK WIRE WRAP
ORC-5024-44A	56106-11	P	ND		ND		MINERAL	100	WHITE JOINT COMPOUND
ORC-5024-45A	56106-12	P	ND		CELLULOSE	100	ND		CREAM TAPE
ORC-5024-46A	56106-13	P	ND		CELL/GLASS	3	MINERAL	97	WHITE DRYWALL
ORC-5024-47A	56106-14	T	ND		ND		MIN/BINDER	100	BROWN GLUE
ORC-4008-48A	56106-15	P	CHRYSTILE	95	ND		MINERAL	5	WHITE GASKET
ORC-4009-49A	56106-16	P	ND		FIBERGLASS	20	RUBBER	80	BLACK DUCT CONNECTOR
ORC-4010-50A	56106-17	T	ND		ND		MIN/BINDER	100	BROWN ADHESIVE
ORC-3005-51A	56106-18	N	CHRYSTILE	12	ND		MIN/BINDER	88	BLACK ADHESIVE
ORC-3043-52A	56106-19	N	CHRYSTILE	21	ND		MIN/VINYL	79	BROWN LINOLEUM
ORC-3043-53A	56106-20	N	CHRYSTILE	6	ND		MIN/BINDER	94	BROWN MASTIC
ORC-2005-54A	56106-21	P	ND		FIBERGLASS	100	ND		YELLOW SACT
ORC-2006-55A	56106-22	P	ND		CELLULOSE	35	MINERAL	65	WHITE DUCT TAPE

Lab Supervisor: Matt Smith Date: 8/23/06

ND - None Detected CELL-Cellulose JC - Joint Compound MIN - Mineral GLASS - Fiberglass <1 = Trace PLAS - Plaster  
P - Friable PLM analytical result N - NOB PLM analytical result T - TEM analytical result  
G-Gravimetric Matrix Reduction. Sample residue weight <1% of original sample weight, TEM not required.

\*Polarized-light microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can be used to determine if this material can be considered to be non-asbestos containing.

PLM = 14 TEM = 4  
NOB = 8

561

## CHAIN OF CUSTODY

**LaBella Associates, P.C.**  
**Analytical Laboratory**  
**300 State Street**  
**Rochester, NY 14614**  
**585.454.6110 Fax 585.454.3066**

P.O. #: 668664

LBL Job # 56106

Client: Lu Engineers

Project # 4216

Site Address: 415 Orchard Street  
Rochester, New York

Pre-Abatement:

Work in Progress:

Site Description: Orchard-Whitney Brownfield Investigation

Finals:

Sample Technician: Roy Green

PCM  TEM

Observations/Comments \_\_\_\_\_

Field Data Sheet Supplied With Samples:  Yes / No

Date Sampled: 8/18/06

Requested Analysis: Air-Fibers: \_\_\_\_\_

Bulk Asbestos:

Other: \_\_\_\_\_

Lab ID #	Field ID #
561-1	ORC-5006-39A
2	ORC-5006-40A
3	ORC-5018-32C
4	ORC-5018-33C
5	ORC-5018-34C
6	ORC-5018-41A
7	ORC-5018-42A
8	ORC-5018-41B
9	ORC-5019-43A
10	ORC-5019-11B
11	ORC-5024-44A
12	ORC-5024-45A
13	ORC-5024-46A
14	ORC-5024-47A
15	ORC-5008-48A
16	ORC-4009-49A

Lab ID #	Field ID #
561-17	ORC-4010-50A
18	ORC-3005-51A
19	ORC-3043-52A
20	ORC-3043-53A
21	ORC-2005-54A
22	ORC-2006-55A

Lab ID #	Field ID #

Lab ID #	Field ID #

Relinquished By: Roy Green

Date: 8/22/06

Carrier: HAND DELIVERED

Number of Samples: 22

Received By: Matt Smith

Date: 8/22/06

Fax Results To: 585-377-1266

Tech. Contact/Pager #: 303-2031



**LU ENGINEERS**  
Civil and Environmental  
2230 Penfield Road  
Penfield, NY 14526-1922

Job #: 4216  
Job Name: Orchard-Whitney Brownfield Investigation  
Date: 8-18-06  
Name: T. Green

415 ORCHARD STREET SITE

ASBESTOS BULK SAMPLE LOG

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL TYPE	AMOUNT	CONDITION	NOTES
ORC-5018-39A	NE CORNER OF ROOM	BOARD 4" GYPS MOUNDIC			
ORC-5018-40A	NE CORNER OF ROOM	DAKE BOARD MASTIC			
ORC-5018-37C	ND CORNER CEILING	WHITE PIPE 1D51L			
ORC-5018-38C	ND CORNER CEILING	GREY MDD FITTING 1D51L			
ORC-5018-34C	ND CORNER CEILING	CREME' CLOTH ONE 1D51L			
ORC-5018-41A	ND CORNER CEILING	WHITE 12"x12" FIBERGLASS MAT			
ORC-5018-42A	ND CORNER CEILING	DAKE BOARD GYPS			
ORC-5018-11B	EAST HALL OF ROOM	WHITE DRYWALL			
ORC-5019-43A	EAST HALL OF FIREARMS ROOM	BOARD FIBERGLASS BOARD			
ORC-5019-11B	WEST HALL OF ROOM	CLOTH DINE APPALC			





# BULK SAMPLE ASBESTOS ANALYTICAL REPORT

**LABELLA ASSOCIATES, P. C.**  
**ANALYTICAL LABORATORY**  
**300 STATE STREET**  
**ROCHESTER, NY 14614**  
**(585) 454-6110 FAX(585) 454-3066**

LBL JOB # 56906

ELAP # 11184  
 TEM ELAP # 10920

CLIENT PROJECT # 4216

CLIENT: Joseph C. Lu Engin. & Land Surv., PC  
 ADDRESS: 2230 Penfield Road  
Penfield, NY 14526-1922  
Attn Christine Davey

SAMPLE TYPE: Bulk

SAMPLE DATE: 08/28/2006

PROJECT LOCATION: Orchard-Whitney Brownfield Investigation (PO# 668664)

FIELD ID	LBL ID	method	ASBESTOS TYPE	%	OTHER FIBERS	%	MATRIX	%	COLOR / DESCRIPTION
ORC-1002-56A	56906-1	N	CHRYBOTILE	26	ND		MIN/VINYL	74	CREAM LINOLEUM
ORC-1002-57A	56906-2	N	CHRYBOTILE	8	ND		MIN/BINDER	92	YELLOW MASTIC
ORC-1005-58A	56906-3	T	CHRYBOTILE	<1	ND		MIN/VINYL	100	RED FLOOR TILE
ORC-1005-59A	56906-4	N	CHRYBOTILE	12	ND		MASTIC	88	BLACK MASTIC
ORC-1011-60A	56906-5	N	CHRYBOTILE	14	ND		MIN/VINYL	86	TAN FLOOR TILE
ORC-1011-61A	56906-6	T	CHRYBOTILE	<1	ND		MIN/BINDER	100	YELLOW MASTIC
ORC-1011-62A	56906-7	N	CHRYBOTILE	10	ND		MIN/VINYL	100	WHITE FLOOR TILE
ORC-1011-63A	56906-8	T	ND		ND		MIN/BINDER	100	YELLOW MASTIC
ORC-1011B-11C	56906-9	G	ND		CELLULOSE	75	TAR	25	BLACK WIRE WRAP
ORC-1011B-48A	56906-10	P	CHRYBOTILE	85	ND		BINDER	15	WHITE GASKET
ORC-1006-64A	56906-11	G	ND		CELLULOSE	89	CREOSOTE	11	BROWN CREOSOTE WOOD
ORC-1006-65A	56906-12	T	CHRYBOTILE	<1	CELLULOSE	5	MIN/TAR	95	BLACK MORTAR
ORC-1007-66A	56906-13	P	ND		SYNTHETIC	100	ND		GREEN DUCT CONNECTOR
ORC-1009-67A	56906-14	G	ND		ND		MIN/BINDER	100	BROWN CAULK
ORC-1019-70A	56906-15	P	ND		CELLULOSE	100	ND		GREY PAPER
ORC-1022-71A	56906-16	T	ND		ND		MIN/TAR	100	BLACK EXPANSION JOINT
ORC-1006-72A	56906-17	T	CHRYBOTILE	<1	CELLULOSE	55	TAR	45	BLACK TAR PAPER
ORC-1024-73A	56906-18	P	ND		ND		MINERAL	100	WHITE JOINT COMPOUND
ORC-1024-74A	56906-19	P	ND		CELLULOSE	100	ND		CREAM TAPE
ORC-1024-75A	56906-20	P	ND		CELL/GLASS	5	MINERAL	95	WHITE DRYWALL
ORC-1024-76A	56906-21	P	ND		ND		RUBBER	100	GREY COVE MOLDING
ORC-1024-77A	56906-22	G	ND		CELLULOSE	15	MIN/BINDER	85	TAN MASTIC

Lab Supervisor: Matt Smith Date: 9/1/06

ND - None Detected CELL-Cellulose JC - Joint Compound MIN - Mineral GLASS - Fiberglass <1 = Trace PLAS - Plaster  
 P - Friable PLM analytical result N - NOB PLM analytical result T - TEM analytical result  
 G-Gravimetric Matrix Reduction. Sample residue weight <1% of original sample weight, TEM not required.

\*"Polarized-light microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can be used to determine if this material can be considered to be non-asbestos containing.

PLM = 7  
 TEM = 6  
 NOB = 15

569

# BULK SAMPLE ASBESTOS ANALYTICAL REPORT

LBL JOB # 56906

FIELD ID	LBL ID	method	ASBESTOS TYPE	%	OTHER FIBERS	%	MATRIX	%	COLOR / DESCRIPTION
ORC-1027-78A	56906-23	P	ND		ND		MINERAL	100	RED BRICK
ORC-1027-79A	56906-24	P	ND		ND		MINERAL	100	GREY GROUT
ORC-1027-80A	56906-25	P	ND		ND		MINERAL	100	GREY MUD SET
ORC-1027-9B	56906-26	P	ND		ND		MINERAL	100	GREY PLASTER
ORC-1027-81A	56906-27	T	ND		ND		MIN/BINDER	100	TAN MASTIC
ORC-1018-9C	56906-28	P	ND		ND		MINERAL	100	GREY PLASTER
ORC-1029-82A	56906-29	N	CHRYSOTILE	25	ND		MIN/VINYL	75	TAN LINOLEUM
ORC-1028-83A	56906-30	G	ND		ND		MIN/BINDER	100	YELLOW MASTIC
ORC-1031-9D	56906-31	P	ND		ND		MINERAL	100	GREY PLASTER
ORC-1036-84A	56906-32	T	ND		ND		MIN/VINYL	100	WHITE LINOLEUM
ORC-1036-85A	56906-33	P	ND		CELL/GLASS	78	MINERAL	22	GREY BACKING
ORC-1038-73B	56906-34	P	ND		ND		MINERAL	100	WHITE SPACKLING COMPOUND
ORC-EXT-86A	56906-35	G	ND		ND		TAR	100	BLACK TAR
ORC-EXT-87A	56906-36	N	CHRYSOTILE	10	ND		MIN/BINDER	90	CREAM CAULK
ORC-EXT-88A	56906-37	N	CHRYSOTILE	55	ND		MIN/TAR	45	BLACK COATING
ORC-EXT-89A	56906-38	N	CHRYSOTILE	13	ND		TAR	87	BLACK TAR
ORC-EXT-90A	56906-39	N	CHRYSOTILE	10	ND		TAR	90	BLACK TAR
ORC-EXT-91A	56906-40	T	CHRYSOTILE	<1	ND		MIN/BINDER	100	WHITE GLAZING
ORC-EXT-92A	56906-41	N	CHRYSOTILE	10	ND		MIN/BINDER	90	OFF-WHITE CAULK
ORC-EXT-93A	56906-42	T	ND		ND		MIN/BINDER	100	GREY GLAZING
ORC-EXT-94A	56906-43	N	CHRYSOTILE	10	ND		MIN/BINDER	90	WHITE CAULK
ORC-EXT-95A	56906-44	T	ND		ND		MIN/BINDER	100	WHITE CAULK
ORC-EXT-96A	56906-45	T	ND		ND		MIN/BINDER	100	CREAM GLAZING
ORC-EXT-97A	56906-46	G	ND		ND		TAR	100	BLACK TAR
ORC-EXT-98A	56906-47	N	CHRYSOTILE	10	ND		MIN/BINDER	90	WHITE GLAZING
ORC-CORE1-99A	56906-48	N	CHRYSOTILE	3	FIBERGLASS	7	TAR	90	BLACK TAR PAPER
ORC-CORE1-100A	56906-49	N	CHRYSOTILE	3	FIBERGLASS	5	TAR	92	BLACK TAR PAPER
ORC-CORE1-101A	56906-50	G	CHRYSOTILE	<1	ND		TAR	100	BLACK TAR

Lab Supervisor: Matt Smith Date: 9/1/06

ND - None Detected CELL-Cellulose JC - Joint Compound MIN - Mineral GLASS - Fiberglass <1 = Trace PLAS - Plaster  
P - Friable PLM analytical result N - NOB PLM analytical result T - TEM analytical result  
G-Gravimetric Matrix Reduction. Sample residue weight <1% of original sample weight, TEM not required.

\*"Polarized-light microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can be used to determine if this material can be considered and treated as non-asbestos containing."  
PLM = 8 TEM = 6  
NOB = 20

# BULK SAMPLE ASBESTOS ANALYTICAL REPORT

LBL JOB # 56906

FIELD ID	LBL ID	method	ASBESTOS TYPE	%	OTHER FIBERS	%	MATRIX	%	COLOR / DESCRIPTION
ORC-CORE1-102A	56906-51	G	CHRYSOTILE	<1	ND		TAR	100	BLACK TAR
ORC-CORE1-103A	56906-52	G	CHRYSOTILE	<1	ND		TAR	100	BLACK TAR
ORC-CORE1-104A	56906-53	G	ND		ND		TAR	100	BLACK TAR
ORC-EXT-105A	56906-54	N	CHRYSOTILE	19	ND		TAR	81	GREY TAR
ORC-EXT-106A	56906-55	P	ND		ND		MINERAL	100	BROWN WALL CAP
ORC-EXT-107A	56906-56	T	ND		ND		TAR	100	BLACK TAR
ORC-EXT-108A	56906-57	N	CHRYSOTILE	2	FIBERGLASS	12	TAR	86	BLACK TAR/PAPER
ORC-EXT-109A	56906-58	N	CHRYSOTILE	30	ND		MIN/BINDER	70	WHITE CAULK
ORC-CORE2-110A	56906-59	N	CHRYSOTILE	10	ND		TAR	90	BLACK TAR/PAPER
ORC-CORE2-111A	56906-60	G	ND		CELLULOSE	10	TAR	90	BLACK TAR/PAPER
ORC-CORE2-112A	56906-61	N	CHRYSOTILE	12	ND		TAR	88	BLACK TAR
ORC-CORE2-113A	56906-62	T	ND		CELLULOSE	5	TAR	95	BLACK FELT PAPER
ORC-1031-114A	56906-63	P	CHRYSOTILE	37	ND		MINERAL	63	GREY GASKET
ORC-EXT-115A	56906-64	N	CHRYSOTILE	5	CELL/GLASS	25	TAR	70	BLACK FELT PAPER
ORC-EXT-116A	56906-65	N	CHRYSOTILE	15	ND		TAR	85	BLACK TAR
ORC-EXT-9E	56906-66	P	ND		ND		MINERAL	100	GREY PLASTER
ORC-EXT-9F	56906-67	P	ND		ND		MINERAL	100	GREY PLASTER
ORC-EXT-9G	56906-68	P	ND		ND		MINERAL	100	GREY PLASTER
ORC-CORE3-117A	56906-69	P	ND		ND		PLASTIC	100	YELLOW INSULATION
ORC-CORE3-118A	56906-70	G	ND		CELL/GLASS	84	TAR	16	BROWN INSULATION PAPER
ORC-CORE3-119A	56906-71	G	ND		CELLULOSE	60	TAR	40	BLACK FELT PAPER
ORC-CORE4-120A	56906-72	T	CHRYSOTILE	<1	CELLULOSE	25	TAR	75	BLACK TAR/PAPER
ORC-CORE4-121A	56906-73	T	CHRYSOTILE	<1	CELLULOSE	25	TAR	75	BLACK TAR/PAPER
ORC-CORE4-122A	56906-74	T	CHRYSOTILE	<1	CELLULOSE	25	TAR	75	BLACK TAR/PAPER
ORC-CORE4-123A	56906-75	T	CHRYSOTILE	<1	CELLULOSE	30	TAR	70	BLACK TAR/PAPER
ORC-CORE4-124A	56906-76	T	CHRYSOTILE	<1	CELLULOSE	15	TAR	85	BLACK TAR/PAPER
ORC-CORE4-125A	56906-77	T	CHRYSOTILE	<1	CELLULOSE	12	TAR	88	BLACK TAR/PAPER
ORC-EXT-127A	56906-78	N	CHRYSOTILE	15	ND		MIN/TAR	85	SILVER/BLACK TAR

Lab Supervisor:       Matt Smith       Date:       9/1/06      

ND - None Detected    CELL-Cellulose    JC - Joint Compound    MIN - Mineral    GLASS - Fiberglass    <1 = Trace    PLAS - Plaster  
 P - Friable PLM analytical result    N - NOB PLM analytical result    T - TEM analytical result  
 G-Gravimetric Matrix Reduction. Sample residue weight <1% of original sample weight, TEM not required.

\*"Polarized-light microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can be used to determine if this material can be considered and treated as non-asbestos containing."    PLM = 6, NOB = 22, TEM = 8

# BULK SAMPLE ASBESTOS ANALYTICAL REPORT

LBL JOB # 56906

FIELD ID	LBL ID	method	ASBESTOS TYPE	%	OTHER FIBERS	%	MATRIX	%	COLOR / DESCRIPTION
ORC-EXT-128A	56906-79	N	CHRYBOTILE	20	ND		TAR	80	BROWN FLASING
ORC-EXT-129A	56906-80	N	CHRYBOTILE	62	ND		TAR	38	BROWN FELT BACKING
ORC-CORE5-130A	56906-81	T	ND		CELLULOSE	20	TAR	80	BLACK TAR PAPER
ORC-CORE5-131A	56906-82	P	ND		CELLULOSE	8	TAR	92	BROWN INSULATION
ORC-CORE5-132A	56906-83	T	CHRYBOTILE	<1	CELLULOSE	39	TAR	61	BLACK TAR/PAPER
ORC-CORE5-133A	56906-84	G	ND		CELLULOSE	50	TAR	50	BLACK FELT PAPER
ORC-CORE5-134A	56906-85	G	ND		CELLULOSE	50	TAR	50	BLACK FELT PAPER
ORC-CORE5-135A	56906-86	G	ND		CELLULOSE	88	TAR	12	BROWN PAPER
ORC-ELV.-136A	56906-87	P	ND		ND		MINERAL	100	GREY BLOCK
ORC-ELV.-137A	56906-88	P	CHRYBOTILE	95	ND		MINERAL	5	GREY BRAKE PAD
ORC-EXT-138A	56906-89	N	CHRYBOTILE	14	ND		MIN/BINDER	86	WHITE CAULK
ORC-CORE6-139A	56906-90	T	CHRYBOTILE	<1	CELLULOSE	40	TAR	60	BLACK TAR/PAPER
ORC-CORE6-140A	56906-91	T	CHRYBOTILE	<1	CELLULOSE	45	TAR	55	BLACK TAR/PAPER
ORC-CORE6-141A	56906-92	T	CHRYBOTILE	<1	CELLULOSE	50	TAR	50	BLACK TAR/PAPER
ORC-CORE6-142A	56906-93	T	CHRYBOTILE	<1	CELLULOSE	50	TAR	50	BLACK TAR/PAPER
ORC-CORE6-143A	56906-94	T	CHRYBOTILE	<1	CELLULOSE	50	TAR	50	BLACK TAR/PAPER
ORC-CORE6-144A	56906-95	T	ND		CELLULOSE	40	TAR	60	BLACK TAR/PAPER
ORC-CORE7-145A	56906-96	T	CHRYBOTILE	<1	CELLULOSE	50	TAR	50	BLACK TAR/PAPER
ORC-CORE7-146A	56906-97	T	ND		CELLULOSE	50	TAR	50	BLACK TAR/PAPER
ORC-CORE7-147A	56906-98	T	CHRYBOTILE	<1	CELLULOSE	45	TAR	55	BLACK TAR/PAPER
ORC-CORE7-148A	56906-99	T	ND		CELLULOSE	38	TAR	62	BLACK TAR/PAPER
ORC-CORE8-149A	56906-100	T	CHRYBOTILE	<1	CELLULOSE	40	TAR	60	BLACK TAR/PAPER
ORC-CORE8-150A	56906-101	T	ND		CELLULOSE	28	TAR	72	BLACK TAR/PAPER
ORC-CORE8-151A	56906-102	T	CHRYBOTILE	<1	CELLULOSE	30	TAR	70	BLACK TAR/PAPER
ORC-CORE8-152A	56906-103	T	CHRYBOTILE	<1	CELLULOSE	40	TAR	60	BLACK TAR/PAPER
ORC-CORE8-153A	56906-104	T	CHRYBOTILE	<1	CELLULOSE	40	TAR	60	BLACK TAR/PAPER
ORC-CORE8-154A	56906-105	G	ND		CELLULOSE	50	TAR	50	BLACK TAR/PAPER
ORC-CORE8-155A	56906-106	G	ND		CELLULOSE	60	TAR	40	BLACK TAR/PAPER

Lab Supervisor:     Matt Smith     Date:     9/1/06    

ND - None Detected    CELL-Cellulose    JC - Joint Compound    MIN - Mineral    GLASS - Fiberglass    <1 = Trace    PLAS - Plaster  
 P - Friable PLM analytical result    N - NOB PLM analytical result    T - TEM analytical result  
 G-Gravametric Matrix Reduction. Sample residue weight <1% of original sample weight, TEM not required.

\*"Polarized-light microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can be used to determine if this material can be considered and treated as non-asbestos containing." PLM = 3, NOB = 25, TEM = 17    Page 4 of 4

# BULK SAMPLE ASBESTOS ANALYTICAL REPORT

LBL JOB # 56906

FIELD ID	LBL ID	method	ASBESTOS TYPE	%	OTHER FIBERS	%	MATRIX	%	COLOR / DESCRIPTION
ORC-CORE9-156A	56906-107	T	ND		CELLULOSE	15	TAR	85	BLACK TAR
ORC-CORE10-157A	56906-108	T	CHRYSOTILE	<1	CELLULOSE	40	TAR	60	BLACK TAR/PAPER
ORC-CORE10-158A	56906-109	T	CHRYSOTILE	<1	CELLULOSE	50	TAR	50	BLACK TAR/PAPER
ORC-CORE10-159A	56906-110	T	CHRYSOTILE	<1	CELLULOSE	50	TAR	50	BLACK TAR/PAPER
ORC-CORE10-160A	56906-111	T	ND		CELLULOSE	50	TAR	50	BLACK TAR/PAPER
ORC-CORE10-161A	56906-112	T	ND		CELLULOSE	60	TAR	40	BLACK TAR/PAPER
ORC-EXT-162A	56906-113	T	ND		ND		MIN/BINDER	100	GREY CAULK
ORC-1010-68A	56906-114	N	CHRYSOTILE	18	ND		MIN/VINYL	82	BROWN LINOLEUM
ORC-1010-69A	56906-115	P	CHRYSOTILE	45	ND		BINDER	55	GREY BACKING

Lab Supervisor:           Matt Smith           Date:           9/1/06          

ND - None Detected    CELL-Cellulose    JC - Joint Compound    MIN - Mineral    GLASS - Fiberglass    <1 = Trace    PLAS - Plaster  
P - Friable PLM analytical result    N - NOB PLM analytical result    T - TEM analytical result  
G-Gravimetric Matrix Reduction. Sample residue weight <1% of original sample weight, TEM not required.

\*"Polarized-light microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can be used to determine if this material can be considered and treated as non-asbestos containing."  
*PLM = 1    NOB = 8    TEM = 7*    Page 5 of 5

## CHAIN OF CUSTODY

LaBella Associates, P.C.  
Analytical Laboratory  
300 State Street  
Rochester, NY 14614  
585.454.6110 Fax 585.454.3066

P.O. #: 668664

LBL Job # 56906

Client: Lu Engineers

Project # 4216

Site Address: 415 Orchard Street

Rochester, New York

Pre-Abatement:

Work in Progress:

Site Description: Orchard-Whitney Brownfield Investigation

Finals:

Sample Technician: Roy Green / Loree SPENCER

PCM  TEM

Observations/Comments \_\_\_\_\_

Field Data Sheet Supplied With Samples:  Yes / No

Date Sampled: 8/23/06 - 8/25/06

Requested Analysis:

Air-Fibers: \_\_\_\_\_

Bulk Asbestos:

Other: \_\_\_\_\_

Lab ID #	Field ID #
569-1	ORC-1002-56A
2	ORC-1002-57A
3	ORC-1005-58A
4	ORC-1005-59A
5	ORC-1011-60A
6	ORC-1011-61A
7	ORC-1011-62A
8	ORC-1011-63A
9	ORC-1011B-11C
10	ORC-1011B-48B
11	ORC-1006-64A
12	ORC-1006-65A
13	ORC-1007-66A
14	ORC-1009-67A
15	ORC-1019-70A
16	ORC-1022-71A

Lab ID #	Field ID #
569-17	ORC-1006-72A
18	ORC-1024-73A
19	ORC-1024-74A
20	ORC-1024-75A
21	ORC-1024-76A
22	ORC-1024-77A
23	ORC-1027-78A
24	ORC-1027-79A
25	ORC-1027-80A
26	ORC-1027-81A
27	ORC-1027-82A
28	ORC-1028-91C
29	ORC-1029-82A
30	ORC-1029-83A
31	ORC-1031-91D
32	ORC-1036-84A

Lab ID #	Field ID #
569-33	ORC-1036-85A
34	ORC-1038-73B
35	ORC-EXT-86A
36	ORC-EXT-87A
37	ORC-EXT-88A
38	ORC-EXT-89A
39	ORC-EXT-90A
40	ORC-EXT-91A
41	ORC-EXT-92A
42	ORC-EXT-93A
43	ORC-EXT-94A
44	ORC-EXT-95A
45	ORC-EXT-96A
46	ORC-EXT-97A
47	ORC-EXT-98A
48	ORC-CORE 1-99A

Lab ID #	Field ID #
569-49	ORC-CORE 1-100A
50	ORC-CORE 1-101A
51	ORC-CORE 1-102A
52	ORC-CORE 1-103A
53	ORC-CORE 2-104A
54	ORC-EXT-105A
55	ORC-EXT-106A
56	ORC-EXT-107A
57	ORC-EXT-108A
58	ORC-EXT-109A
59	ORC-CORE 2-110A
6058	ORC-CORE 2-111A
6159	ORC-CORE 2-112A
6260	ORC-CORE 2-113A
6361	ORC-1031-114A
6462	ORC-EXT-115A

Relinquished By

Roy Green

Date:

8/28/06

Carrier:

HAND DELIVERED

Number of Samples:

64

Received By:

Matt Smith

Date:

8/28/06

Fax Results To:

585-377-1266

Tech. Contact/Pager #:

303-2031

**CHAIN OF CUSTODY**

LaBella Associates, P.C.  
Analytical Laboratory  
300 State Street  
Rochester, NY 14614  
585.454.6110 Fax 585.454.3066

P.O. #: 668664

LBL Job # 56906

Client: Lu Engineers

Project # 4216

Site Address: 415 Orchard Street

Rochester, New York

Pre-Abatement:

Work in Progress:

Site Description: Orchard-Whitney Brownfield Investigation

Finals:

Sample Technician: Roy Green / Loren Spencer

PCM  TEM

Observations/Comments \_\_\_\_\_

Field Data Sheet Supplied With Samples:  Yes / No

Date Sampled: 8/25/06

Requested Analysis: \_\_\_\_\_

Air-Fibers: \_\_\_\_\_

Bulk Asbestos:

Other: \_\_\_\_\_

Lab ID #	Field ID #
569-65	ORC-EXT-116A
66	ORC-EXT-9E
67	ORC-EXT-9F
68	ORC-EXT-9G
69	ORC-CORE3-117A
70	ORC-CORE3-118A
71	ORC-CORE3-119A
72	ORC-CORE4-120A
73	ORC-CORE4-121A
74	ORC-CORE4-122A
75	ORC-CORE4-123A
76	ORC-CORE4-124A
77	ORC-CORE4-125A
VOID 78	ORC-CORE4-126A
78-79	ORC-EXT-127A
79-80	ORC-EXT-128A

Lab ID #	Field ID #
80	ORC-EXT-129A
81	ORC-CORE5-130A
82	ORC-CORE5-131A
83	ORC-CORE5-132A
84	ORC-CORE5-133A
85	ORC-CORE5-134A
86	ORC-CORE5-135A
87	ORC-ELV.-136A
88	ORC-ELV.-137A
89	ORC-EXT-138A
90	ORC-CORE6-139A
91	ORC-CORE6-140A
92	ORC-CORE6-141A
93	ORC-CORE6-142A
94	ORC-CORE6-143A
95	ORC-CORE6-144A

Lab ID #	Field ID #
96	ORC-CORE7-145A
97	ORC-CORE7-146A
98	ORC-CORE7-147A
99	ORC-CORE7-148A
100	ORC-CORE8-149A
101	ORC-CORE8-150A
102	ORC-CORE8-151A
103	ORC-CORE8-152A
104	ORC-CORE8-153A
105	ORC-CORE8-154A
106	ORC-CORE8-155A
107	ORC-CORE9-156A
108	ORC-CORE10-157A
109	ORC-CORE10-158A
110	ORC-CORE10-159A
111	ORC-CORE10-160A

Lab ID #	Field ID #
112	ORC-CORE10-161A
113	ORC-EXT-162A
114	ORC-1010-68A
115	ORC-1010-69A

Relinquished By

Roy Green

Date:

8/28/06

Carrier:

HAND DELIVERED

Number of Samples:

52

Received By:

Matt Smith

Date:

8/28/06

Fax Results To:

585-377-1266

Tech. Contact/Pager #:

303-2031



**LU ENGINEERS**  
Civil and Environmental  
2230 Penfield Road  
Penfield, NY 14526-1922

Job Name: Orchard-Whitney Brownfield Investigation  
Job #: 4216  
Date: 8/23/07  
Name: R.G. J.E.S.

415 ORCHARD STREET SITE

ASBESTOS BULK SAMPLE LOG

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL TYPE	AMOUNT	CONDITION	NOTES
ORC-1002-56A	Center	Green Linoleum			
ORC-1002-57A	Center	Yellow MASTIC			
ORC-1005-58A	South wall	Red 12"x12" TILE			
ORC-1005-59A	South wall	Black MASTIC			
ORC-1011-60A	South Door way	TAN 12"x12" VINYL Floor TILE			
ORC-1011-61A	South Door way	Yellow MASTIC			
ORC-1011-62A	NORTH Downway TO 1011D	White 12"x12" Vinyl Floor TILE			
ORC-1011-63A	NORTH Downway TO 1011D	Yellow			
ORC-1011B-11C	Furnace Room NORTH WALL	MASTIC CLOTH WIRE WRAP			
ORC-1011B-48B	Furnace Room CENTER	White Furnace GASKET			





**LU ENGINEERS**  
Civil and Environmental  
2230 Penfield Road  
Penfield, NY 14526-1922

Job Name: Orchard-Whitney Brownfield Investigation  
Job #: 4216  
Date: 8/23/06 / 8/24/06  
Name: RB/LS

415 ORCHARD STREET SITE

ASBESTOS BULK SAMPLE LOG

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL TYPE	AMOUNT	CONDITION	NOTES
ORC-1006-624A	CORNER, CENTER	CROSOLE SOURCE WOOD PLAYS			
ORC-1006-65A	CORNER, CENTER	TAR BASED BLACK MORTAR			
ORC-1007-66A	FINANCE ROOM	GREEN FLEX. DUST CONCRETE			
ORC-1009-67A	OFFICE 1009 CENTER	BLIND DUST CEILING			
ORC-1019-70A	ELEVATION (EAST)	GREY PAPER ON ROOF			ROOF OF E.W. CAR
ORC-1022-71A	EAST SIDE	BLACK ASP JOINT			
ORC-1006-71A	WINDOR CENTER	BLACK TAR PAPER			
ORC-1024-73A	SOUTH WALL OF AREA 1024	WHITE SPACELY JOINT Compound			WALLS
ORC-1024-74A	SOUTH WALL OF AREA 1024	CROWN JOINT TAR			WALLS
ORC-1024-75A	SOUTH WALL OF AREA 1024	WHITE DRYWALL WALL			WALLS



# LU ENGINEERS

Civil and Environmental

2230 Penfield Road

Penfield, NY 14526-1922

Job #: 4216

Job Name: Orchard-Whitney Brownfield Investigation

Date: 8/24/06

Name: As 7 C3

415 ORCHARD STREET SITE

## ASBESTOS BULK SAMPLE LOG

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL TYPE	AMOUNT	CONDITION	NOTES
ORC-1024-76A	1024, SOUTH WALL	Grey Cove BASE			
ORC-1024-77A	1024, SOUTH WALL	TAN MASTIC			
ORC-1027-78A	Women's Room CENTER	Red Basic Floor			
ORC-1027-79A	Women's Room CENTER	Grey GROUT			
ORC-1027-80A	Women's Room CENTER	Grey Set Bed			
ORC-1027-9B	Women's Room SOUTH WALL	Grey PLASTER WALL			
ORC-1027-81A	Women's Room WEST WALL	TAN MASTIC			
ORC-1028-9C	Men's Room SOUTH WALL	Grey PLASTER WALL			
ORC-1029-82A	Room 1029,	TAN LINOLEUM			
ORC-1029-83A	NORTH SIDE ROOM 1029	YELLOW MASTIC			
	WEST SIDE				



**LU ENGINEERS**  
 Civil and Environmental  
 2230 Penfield Road  
 Penfield, NY 14526-1922

Job #: 4216  
 Job Name: Orchard-Whitney Brownfield Investigation  
 Date: 8/24/02  
 Name: R.L.L.S.

415 ORCHARD STREET SITE

ASBESTOS BULK SAMPLE LOG

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL TYPE	AMOUNT	CONDITION	NOTES
ORC-1036-9D	SPRINKLER / PIPE Chase	Grey PLASTIC WAX			
ORC-1036-89A	BATHROOM CENTER	White LIQUIDUM			
ORC-1036-85A	BATHROOM CENTER	Brown LIQUIDUM BACKING			
ORC-1036-73A	CENTER OR 1038	White SPANDEX			USED AS A SKIN COAT
ORC-EXT-86A	EAST ELEVATION UNDER PICTURE WINDOW	BLACK TAR (PEEL)			
ORC-EXT-87A	EAST ELEVATION W/ WINDOW	CREAM EXT. FINE GRAIN			
ORC-EXT-88A	SOUTH ELEVATION ON NOG 3 REMAINS	BLACK SIDING COATING			
ORC-EXT-89A	BREZZWAY ROOF BETWEEN ORCHARD / WHITNEY	BLACK FLASHING TAR			
ORC-EXT-90A	WEST ELEVATION METAL PLATE	BLACK CAULK	8 LF		WEST ELEVATION
ORC-EXT-91A	WEST ELEVATION 5TH FLOOR (3A)	White EXT. WINDOW GLAZING			



**LU ENGINEERS**  
Civil and Environmental  
2230 Penfield Road  
Penfield, NY 14526-1922

Job #: 4216  
Job Name: Orchard-Whitney Brownfield Investigation  
Date: 8/25/26  
Name: RL/L.S.

415 ORCHARD STREET SITE

ASBESTOS BULK SAMPLE LOG

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL TYPE	AMOUNT	CONDITION	NOTES
ORC-EXT-97A	WEST ELEVATION 5TH FLOOR (SLAB 3A)	OFF WHITE EXT. WINDOW CAULK			
ORC-EXT-93A	"	LT. GREY INTERIOR WINDOW GLAZING			
ORC-EXT-94A	"	OFF WHITE INTERIOR WINDOW CAULK			
ORC-EXT-95A	EAST ELEVATION 1ST FLOOR ADDITION - DOOR	EXT. OFF WHITE DOOR FRAME CAULK	21 LF		
ORC-EXT-96A	EAST ELEVATION 1ST FLOOR ADDITION - WINDOW	EXT. COLUMN WINDOW GLAZING			
ORC-EXT-97A	EAST ELEVATION 1ST FLOOR ADDITION - FLOOR	BLACK FOUNDATION WATERPROOFING TAR			TAR OVERLAP OF FLOOR SLAB
ORC-EXT-98A	WEST ELEVATION 1ST FLOOR ADDITION	WHITE EXT. WINDOW GLAZING			
ORC-CORE 1-99A	CORE 1, NE CORNER OF MAIN BUIL - 6TH FLOOR	BLACK TAR PAPER			
ORC-CORE 1-100A	"	BLACK TAR PAPER			
ORC-CORE 1-101A	"	BLACK TAR			



# LU ENGINEERS

Civil and Environmental  
2230 Penfield Road  
Penfield, NY 14526-1922

Job #: 4216  
Job Name: Orchard-Whitney Brownfield Investigation  
Date: 8/25/76  
Name: 44/4.5

415 ORCHARD STREET SITE

## ASBESTOS BULK SAMPLE LOG

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL TYPE	AMOUNT	CONDITION	NOTES
ORC-CORR-102A	NE CORNER OF MAIN CORER BUR - 6TH FLOOR ROOF	BLACK TAR			
ORC-CORR-103A	"	BLACK TAR			
ORC-CORR-104A	"	BLACK TAR			
ORC-EXT-105A	6TH FLOOR BUR/PARAPET WALL ENTRANCE	GREY PARAPET WALL CAP TAR			
ORC-EXT-106A	"	BROWN PARAPET WALL CAP			
ORC-EXT-107A	"	BLACK PARAPET WALL FLASHING TAR			
ORC-EXT-108A	"	BLACK TAR/PAPER			
ORC-EXT-109A	6TH FLOOR ROOF BUR/FLASH JOINT	WHITE BURSTING JOINT GROUT			
ORC-CORR-110A	6TH FLOOR BURST UP ROOF (SE FIELD)	BLACK TAR/ PAPER			
ORC-CORR-111A	"	"			



**LU ENGINEERS**  
Civil and Environmental  
2230 Penfield Road  
Penfield, NY 14526-1922

Job Name: Orchard-Whitney Brownfield Investigation  
Job #: 4216  
Date: 8/25/04  
Name: R. L. S.

415 ORCHARD STREET SITE

ASBESTOS BULK SAMPLE LOG

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL TYPE	AMOUNT	CONDITION	NOTES
ORC-COR-112A	6TH Floor BUR (SE FIELD)	BLACK BRITTLE TAR			
ORC-COR-113A	"	BLACK FELT PAPER			
ORC-1031-	PUMP ROOM	GRAY VALVE			NEAR TUNNEL ENTRANCE
114A	1031	GRABNET			
ORC-EXT-115A	6TH Floor BUR (SE PARAPET WALL)	BLACK, FIBERGLASS IMPREGNATED FELT PAPER			
ORC-EXT-116A	"	BLACK TAR			BETWEEN GAP JOINTS
ORC-EXT-9E	7TH FLOOR EXT. WALL SOUTH EAST SIDE	GRAY PLASTER			
ORC-EXT-9F	7TH FLOOR EXT. WALL NORTH EAST SIDE	GRAY PLASTER			
ORC-EXT-9G	7TH FLOOR EXT. WALL	GRAY PLASTER			
ORC-COR-117A	6TH Floor - NW RUBBER ROOF FIELD	YELLOW ISO BOARD			
ORC-COR-118A	6TH Floor - NW RUBBER ROOF FIELD	BROWN ISO BOARD PAPER			



**LU ENGINEERS**

Civil and Environmental  
2230 Penfield Road  
Penfield, NY 14526-1922

Job #: 4216  
Job Name: Orchard-Whitney Brownfield Investigation  
Date: 8/25/08  
Name: ALCS

415 ORCHARD STREET SITE

**ASBESTOS BULK SAMPLE LOG**

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL TYPE	AMOUNT	CONDITION	NOTES
<del>ORC-LOEY-119A</del>	6th Floor - NW	Brown			
ORC-LOEY-119A	Rubber Roof Field	Felt Paper			
ORC-LOEY-120A	7th Floor - NW outside Stair Rode	Tar/Tar Black Paper			TOP LAYER
ORC-LOEY-121A	//	//			2ND LAYER
ORC-LOEY-122A	//	//			3RD LAYER
ORC-LOEY-123A	//	//			4TH LAYER
ORC-LOEY-124A	//	//			5TH LAYER
ORC-LOEY-125A	//	//			6TH LAYER
ORC-LOEY-126A	//	BLACK TAR			Bottom Layer ON wood deck
ORC-EXT-127A	7th Floor ROOF Shed	SILVER/ BLACK TAR			
ORC-EXT-128A	7th Floor CURB FLASHING	Brown CURB FLASHING BRICK			3/4 BRICK



**LU ENGINEERS**  
Civil and Environmental  
2230 Penfield Road  
Penfield, NY 14526-1922

Job #: 4216  
Job Name: Orchard-Whitney Brownfield Investigation  
Date: 8/25/02  
Name: LG/LS

415 ORCHARD STREET SITE

ASBESTOS BULK SAMPLE LOG

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL TYPE	AMOUNT	CONDITION	NOTES
ORC-EXT-129A	7th Floor Shed Wall	Brown Felt Paper Backing			On Roof/Walls
ORC-CORE-130A	7th Floor MAIN BUR Roof Exit - Center	Black w/ Greenish Tint Tar Paper			TOP Layer
ORC-CORE-131A	"	Brown Sand Insulation			2nd Layer
ORC-CORE-132A	"	Black Tar/Tar Paper			3rd Layer
ORC-CORE-133A	"	Black Felt Paper			4th Layer
ORC-CORE-134A	"	Black Felt Paper			5th Layer
ORC-CORE-135A	"	Brown Paper			On wood Deck - Bottom
ORC-ELV-136A	West Roof Top ELV. Machine Room	Grey Block			
ORC-ELV-137A	West Roof Top ELV. Machine Room	Grey Block partly white ext. door			
ORC-EXT-138A	West ELV. Machine Room Door	Fluor. Cement			





**LU ENGINEERS**  
Civil and Environmental  
2230 Penfield Road  
Penfield, NY 14526-1922

Job #: 4216  
Job Name: Orchard-Whitney Brownfield Investigation  
Date: 8/25/20  
Name: AG/LJS

415 ORCHARD STREET SITE

ASBESTOS BULK SAMPLE LOG

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL TYPE	AMOUNT	CONDITION	NOTES
ORC-CORE6-139A	7th Floor, MAIN Bldg	BLACK TAR/			TOP Layer
ORC-CORE6-140A	PERIMETER FLASHING CORE 6	TAR PAPER			
ORC-CORE6-141A	"	"			2ND Layer
ORC-CORE6-142A	"	"			3RD Layer
ORC-CORE6-143A	"	"			4th Layer
ORC-CORE6-144A	"	"			5th Layer
ORC-CORE7-145A	7th Floor Roof OVER EAST ELEV. MACHINE ROOM	BLACK FELT PAPER			BOTTOM Layer ON wood Substrate
ORC-CORE7-146A	"	"			TOP Layer CORE 7
ORC-CORE7-147A	"	"			2ND Layer
ORC-CORE7-148A	"	"			3rd Layer
ORC-CORE7-149A	"	"			BOTTOM Layer ON CONCRETE SLAB



**LU ENGINEERS**  
 Civil and Environmental  
 2230 Penfield Road  
 Penfield, NY 14526-1922

Job #: 4216  
 Job Name: Orchard-Whitney Brownfield Investigation  
 Date: 8/25/77  
 Name: AC, LS

415 ORCHARD STREET SITE

ASBESTOS BULK SAMPLE LOG

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL TYPE	AMOUNT	CONDITION	NOTES
ORC-CORE 8-149A	7TH FLOOR ME. ROOF NEAR METAL STAIRS	BLACK TAR / TAR PAPER			TOP LAYER CORE 8
ORC-CORE 8-150A	"	"			2ND LAYER
ORC-CORE 8-151A	"	"			3RD LAYER
ORC-CORE 8-152A	"	"			4TH LAYER
ORC-CORE 8-153A	"	"			5TH LAYER
ORC-CORE 8-154A	"	"			6TH LAYER
ORC-CORE 8-155A	"	BROWN FELT PAPER			BOTTOM LAYER ON WOOD
ORC-CORE 10-156A	7TH FLOOR ROOF OVER EAST <del>STAIRS</del> BATHROOMS	BLACK TAR			CORE 9 ON CONCRETE DECK
ORC-CORE 10-157A	7TH FLOOR ROOF OVER EAST STAIRWELL	BLACK TAR / PAPER			TOP LAYER CORE 10
ORC-CORE 10-158A	"	"			2ND LAYER CORE 10



**LU ENGINEERS**  
 Civil and Environmental  
 2230 Penfield Road  
 Penfield, NY 14526-1922

Job #: 4216  
 Job Name: Orchard-Whitney Brownfield Investigation  
 Date: 8/25/04  
 Name: P.L. S.

415 ORCHARD STREET SITE

**ASBESTOS BULK SAMPLE LOG**

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL TYPE	AMOUNT	CONDITION	NOTES
ORC-Core10-159A	7th Floor Roof over EAST STADIUM	Black Tar / Paper			3rd Layer
ORC-Core10-160A	11	11			4th Layer
ORC-Core10-161A	11	11			Bottom Layer on Concrete
ORC-Ext-162A	EAST SIDE OF 7th Floor, near METAL STAIRS	Grey Building Joint Caulk		Damaged	Sponnic 50 SF TOTAL
ORC-1010-68A	Room 1010 Center	Dark Brown Limestone			
ORC-1010-69A	Room 1010 Center	Grey Building Paper			

# BULK SAMPLE ASBESTOS ANALYTICAL REPORT

**LABELLA ASSOCIATES, P. C.**  
**ANALYTICAL LABORATORY**  
**300 STATE STREET**  
**ROCHESTER, NY 14614**  
**(585) 454-6110 FAX(585) 454-3066**

LBL JOB # 57306

ELAP # 11184

TEM ELAP # 10920

CLIENT PROJECT # 4216

CLIENT: Joseph C. Lu Engin. & Land Surv., PC

SAMPLE TYPE: Bulk

ADDRESS: 2230 Penfield Road

SAMPLE DATE: 08/30/2006

Penfield, NY 14526-1922

Attn Christine Davey

PROJECT LOCATION: Orchard-Whitney Brownfield Investigation (PO# 668664)

FIELD ID	LBL ID	method	ASBESTOS TYPE	%	OTHER FIBERS	%	MATRIX	%	COLOR / DESCRIPTION
ORC-EXT-163A	57306-1	N	CHRYSTILE	17	ND		TAR	83	BLACK TAR
ORC-CORE11-164A	57306-2	T	ND		CELL/GLASS	40	TAR	60	BLACK TAR/PAPER
ORC-CORE11-165A	57306-3	T	ND		CELLULOSE	45	TAR	55	BLACK TAR/PAPER
ORC-CORE11-166A	57306-4	T	ND		CELLULOSE	40	TAR	60	BLACK TAR/PAPER
ORC-CORE11-167A	57306-5	G	ND		CELLULOSE	55	TAR	56	BLACK TAR/PAPER
ORC-CORE12-168A	57306-6	G	ND		CELLULOSE	60	TAR	40	BLACK FELT PAPER
ORC-CORE13-169A	57306-7	T	ND		CELLULOSE	38	TAR	62	BLACK TAR/PAPER
ORC-CORE13-170A	57306-8	G	ND		CELLULOSE	50	TAR	50	BLACK TAR/PAPER
ORC-CORE13-171A	57306-9	G	ND		CELLULOSE	50	TAR	50	BLACK TAR/PAPER
ORC-CORE13-172A	57306-10	G	ND		CELLULOSE	50	TAR	50	BLACK TAR/PAPER
ORC-CORE13-173A	57306-11	G	ND		CELLULOSE	55	TAR	45	BLACK TAR/PAPER
ORC-CORE13-174A	57306-12	G	ND		CELLULOSE	60	TAR	40	BLACK TAR/PAPER
ORC-CORE13-175A	57306-13	G	ND		CELLULOSE	50	TAR	50	BLACK TAR/PAPER
ORC-CORE14-176A	57306-14	N	CHRYSTILE	3	CELL/GLASS	15	TAR	82	BLACK TAR/PAPER
ORC-CORE14-177A	57306-15	T	ND		CELLULOSE	40	TAR	60	BLACK TAR/PAPER
ORC-CORE14-178A	57306-16	T	ND		CELLULOSE	35	TAR	65	BLACK TAR/PAPER
ORC-CORE14-179A	57306-17	G	ND		CELLULOSE	50	TAR	50	BLACK TAR/PAPER
ORC-CORE14-180A	57306-18	T	ND		CELLULOSE	40	TAR	60	BLACK TAR/PAPER
ORC-CORE14-181A	57306-19	G	ND		CELLULOSE	55	TAR	45	BLACK TAR/PAPER
ORC-CORE14-182A	57306-20	P	ND		CELLULOSE	100	ND		BROWN FIBERBOARD INSULATION
ORC-CORE14-183A	57306-21	G	ND		ND		TAR	100	BLACK TAR
ORC-CORE15-184A	57306-22	T	CHRYSTILE	<1	CELLULOSE	15	TAR	85	BLACK TAR

Lab Supervisor: Math Smith Date: 8/31/06

ND - None Detected CELL-Cellulose JC - Joint Compound MIN - Mineral GLASS - Fiberglass <1 = Trace PLAS - Plaster  
 P - Friable PLM analytical result N - NOB PLM analytical result T - TEM analytical result  
 G-Gravimetric Matrix Reduction. Sample residue weight <1% of original sample weight, TEM not required.

\*"Polarized-light microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can be used to determine if this material can be considered to be non-asbestos containing.

PLM = 1, NOB = 21, TEM = 8

573

# BULK SAMPLE ASBESTOS ANALYTICAL REPORT

LBL JOB # 57306

FIELD ID	LBL ID	method	ASBESTOS TYPE	%	OTHER FIBERS	%	MATRIX	%	COLOR / DESCRIPTION
ORC-CORE15-185A	57306-23	G	ND		CELLULOSE	60	TAR	40	BLACK FELT PAPER
ORC-CORE15-186A	57306-24	T	ND		CELLULOSE	60	TAR	40	BLACK FELT PAPER
ORC-CORE15-187A	57306-25	T	ND		CELLULOSE	60	TAR	40	BLACK FELT PAPER
ORC-CORE15-188A	57306-26	T	ND		CELLULOSE	60	TAR	40	BLACK FELT PAPER
ORC-CORE16-189A	57306-27	T	ND		CELLULOSE	35	TAR	65	BLACK SHINGLE
ORC-CORE16-190A	57306-28	G	ND		CELLULOSE	60	TAR	40	BLACK FELT PAPER
ORC-EXT-191A	57306-29	T	CHRYBOTILE	4.6	CELLULOSE	5.4	TAR	90	BLACK TAR
ORC-EXT-192A	57306-30	N	CHRYBOTILE	25	ND		TAR	75	BLACK TAR/PAPER
ORC-EXT-193A	57306-31	T	ND		ND		MIN/BINDER	100	GREY CAULK
ORC-CORE17-194A	57306-32	N	CHRYBOTILE	24	ND		TAR	76	GREY TAR
ORC-CORE17-195A	57306-33	G	ND		CELLULOSE	60	TAR	40	BLACK FELT PAPER
ORC-EXT-196A	57306-34	N	CHRYBOTILE	37	ND		MIN/BINDER	63	WHITE CAULK
ORC-CORE18-197A	57306-35	G	ND		ND		TAR	100	BLACK TAR
ORC-CORE18-198A	57306-36	T	ND		CELLULOSE	50	TAR	50	BLACK TAR/PAPER
ORC-CORE18-199A	57306-37	G	ND		CELLULOSE	50	TAR	50	BLACK TAR/PAPER
ORC-CORE18-200A	57306-38	T	ND		CELLULOSE	39	TAR	61	BLACK TAR/PAPER
ORC-CORE18-201A	57306-39	T	ND		CELLULOSE	13	MIN/TAR	87	BROWN INSULATION
ORC-CORE18-202A	57306-40	T	CHRYBOTILE	<1	CELLULOSE	55	TAR	45	BLACK TAR/PAPER
ORC-CORE18-203A	57306-41	T	ND		CELLULOSE	50	TAR	50	BLACK TAR/PAPER
ORC-CORE18-204A	57306-42	T	ND		CELLULOSE	50	TAR	50	BLACK TAR/PAPER
ORC-CORE18-205A	57306-43	T	CHRYBOTILE	<1	CELLULOSE	50	TAR	50	BLACK TAR/PAPER
ORC-CORE18-206A	57306-44	T	CHRYBOTILE	<1	CELLULOSE	50	TAR	50	BLACK TAR/PAPER
ORC-CORE18-207A	57306-45	T	CHRYBOTILE	<1	CELLULOSE	50	TAR	50	BLACK TAR/PAPER
ORC-CORE19-208A	57306-46	T	ND		CELL/GLASS	50	TAR	50	BLACK TAR/PAPER
ORC-CORE19-209A	57306-47	T	ND		CELLULOSE	50	TAR	50	BLACK TAR/TAR PAPER
ORC-CORE19-210A	57306-48	G	ND		CELLULOSE	50	TAR	50	BLACK TAR/TAR PAPER
ORC-CORE19-211A	57306-49	T	CHRYBOTILE	<1	CELLULOSE	50	TAR	50	BLACK TAR/TAR PAPER
ORC-CORE19-212A	57306-50	T	ND		CELLULOSE	50	TAR	50	BLACK TAR/TAR PAPER

Lab Supervisor: Math Smith Date: 8/31/06

ND - None Detected CELL-Cellulose JC - Joint Compound MIN - Mineral GLASS - Fiberglass <1 = Trace PLAS - Plaster  
P - Friable PLM analytical result N - NOB PLM analytical result T - TEM analytical result  
G-Gravimetric Matrix Reduction. Sample residue weight <1% of original sample weight, TEM not required.

\*"Polarized-light microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can be used to determine if this material can be considered and treated as non-asbestos containing." PLM = 0, NOB = 28, TEM = 19

# BULK SAMPLE ASBESTOS ANALYTICAL REPORT

LBL JOB # 57306

FIELD ID	LBL ID	method	ASBESTOS TYPE	%	OTHER FIBERS	%	MATRIX	%	COLOR / DESCRIPTION
ORC-CORE20-213A	57306-51	T	ND		CELL/GLASS	48	TAR	52	BLACK TAR/PAPER
ORC-CORE20-214A	57306-52	T	ND		CELLULOSE	35	TAR	65	BLACK TAR/PAPER
ORC-CORE20-215A	57306-53	T	CHRYBOTILE	<1	CELLULOSE	34	TAR	66	BLACK TAR/PAPER
ORC-CORE20-216A	57306-54	T	CHRYBOTILE	<1	CELLULOSE	15	TAR	85	BLACK CLOTH
ORC-CORE20-217A	57306-55	T	ND		CELLULOSE	30	TAR	70	BLACK TAR/PAPER
ORC-CORE21-218A	57306-56	T	ND		CELL/GLASS	25	TAR	75	BLACK TAR
ORC-CORE21-219A	57306-57	T	ND		CELLULOSE	40	TAR	60	BLACK TAR/PAPER
ORC-CORE21-220A	57306-58	T	ND		CELLULOSE	40	TAR	60	BLACK TAR/PAPER
ORC-CORE21-221A	57306-59	T	ND		CELLULOSE	40	TAR	60	BLACK TAR/PAPER
ORC-EXT-222A	57306-60	N	CHRYBOTILE	13	CELLULOSE	10	TAR	77	BLACK TAR
ORC-EXT-223A	57306-61	T	ND		CELLULOSE	38	TAR	62	BLACK ROLLED ROOFING
ORC-EXT-224A	57306-62	T	ND		CELLULOSE	65	TAR	35	BLACK FELT PAPER
ORC-CORE4-126A	57306-63	G	ND		CELLULOSE	90	TAR	10	BLACK FELT PAPER

Lab Supervisor:           Matt Smith           Date:           8/31/06          

ND - None Detected    CELL-Cellulose    JC - Joint Compound    MIN - Mineral    GLASS - Fiberglass    <1 = Trace    PLAS - Plaster  
 P - Friable PLM analytical result    N - NOB PLM analytical result    T - TEM analytical result  
 G-Gravimetric Matrix Reduction. Sample residue weight <1% of original sample weight, TEM not required.

\*"Polarized-light microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can be used to determine if this material can be considered and treated as non-asbestos containing." *PLM = 0, NOB = 13, TEM = 11*  
Page 3 of 3

## CHAIN OF CUSTODY

LaBella Associates, P.C.  
 Analytical Laboratory  
 300 State Street  
 Rochester, NY 14614  
 585.454.6110 Fax 585.454.3066

P.O. #: 668664

LBL Job # 57306

Client: Lu Engineers

Project # 4216

Site Address: 415 Orchard Street

Rochester, New York

Pre-Abatement:

Work in Progress:

Site Description: Orchard-Whitney Brownfield Investigation

Finals:

Sample Technician: Roy Green & Loren Spencer

PCM  TEM

Observations/Comments \_\_\_\_\_

Field Data Sheet Supplied With Samples:  Yes / No

Date Sampled: 8/30/06

Requested Analysis:

Air-Fibers: \_\_\_\_\_

Bulk Asbestos:

Other: \_\_\_\_\_

Lab ID #	Field ID #
573-1	ORC-EXT-163A
2	ORC-CORE11-164A
3	ORC-CORE11-165A
4	ORC-CORE11-166A
5	ORC-CORE11-167A
6	ORC-CORE12-168A
7	ORC-CORE13-169A
8	ORC-CORE13-170A
9	ORC-CORE13-171A
10	ORC-CORE13-172A
11	ORC-CORE13-173A
12	ORC-CORE13-174A
13	ORC-CORE13-175A
14	ORC-CORE14-176A
15	ORC-CORE14-177A
16	ORC-CORE14-178A

Lab ID #	Field ID #
573-17	ORC-CORE14-179A
18	ORC-CORE14-180A
19	ORC-CORE14-181A
20	ORC-CORE14-182A
21	ORC-CORE14-183A
22	ORC-CORE15-184A
23	ORC-CORE15-185A
24	ORC-CORE15-186A
25	ORC-CORE15-187A
26	ORC-CORE15-188A
27	ORC-CORE16-189A
28	ORC-CORE16-190A
29	ORC-EXT-191A
30	ORC-EXT-192A
31	ORC-EXT-193A
32	ORC-CORE17-194A

Lab ID #	Field ID #
573-33	ORC-CORE17-195A
34	ORC-EXT-196A
35	ORC-CORE18-197A
36	ORC-CORE18-198A
37	ORC-CORE18-199A
38	ORC-CORE18-200A
39	ORC-CORE18-201A
40	ORC-CORE18-202A
41	ORC-CORE18-203A
42	ORC-CORE18-204A
43	ORC-CORE18-205A
44	ORC-CORE18-206A
45	ORC-CORE18-207A
46	ORC-CORE19-208A
47	ORC-CORE19-209A
48	ORC-CORE19-210A

Lab ID #	Field ID #
573-49	ORC-CORE19-211A
50	ORC-CORE19-212A
51	ORC-CORE20-213A
52	ORC-CORE20-214A
53	ORC-CORE20-215A
54	ORC-CORE20-216A
55	ORC-CORE20-217A
56	ORC-CORE21-218A
57	ORC-CORE21-219A
58	ORC-CORE21-220A
59	ORC-CORE21-221A
60	ORC-EXT-222A
61	ORC-EXT-223A
62	ORC-EXT-224A
63	ORC-CORE4-126A

Relinquished By

Roy Green

Date:

8/30/06

Carrier:

HAND DELIVERED

Number of Samples:

63

Received By:

Matt Smith

Date:

8/30/06

Fax Results To:

585-377-1266

Tech. Contact/Pager #:

303-2031



# LU ENGINEERS

Civil and Environmental  
2230 Penfield Road  
Penfield, NY 14526-1922

Job #: 4216  
Job Name: Orchard-Whitney Brownfield Investigation  
Date: 8/30/06  
Name: RB/Ls

## 415 ORCHARD STREET SITE ASBESTOS BULK SAMPLE LOG

573

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL TYPE	AMOUNT	CONDITION	NOTES
ORC-EXT-163A	1 STORY ADDITION @ INTERSECT OF 7 STAIRS BULFMENT	BLACK COUNTER FLASHING TAR		Good	
ORC-CORE11-164A	"	BLACK TAR / PU-PEE		Good	UNDER AL. FLASHING CORE 11 TOP LAYER
ORC-CORE11-165A	"	"		Good	CORE 11 2ND LAYER
ORC-CORE11-166A	"	"		Good	CORE 11 3RD LAYER
ORC-CORE11-167A	"	"		Good	CORE 11 4TH LAYER
ORC-CORE12-168A	1 STORY APPLICATION (ROOF FIELDS)	BLACK FELT PAPER		Good	CORE 12 (UNDER 2" FOAM)
ORC-CORE13-169A	1 STORY ADDITION CURBS FLASHING	BLACK TAR / PAPER		Good	CORE 13 (TOP LAYER, UNDER AL.)
ORC-CORE13-170A	"	"		"	CORE 13 2ND LAYER
ORC-CORE13-171A	"	"		"	CORE 13 3RD LAYER
ORC-CORE13-172A	"	"		"	CORE 13 4TH LAYER

1 2 3 4 5 6 7 8 9 10





**LU ENGINEERS**  
Civil and Environmental  
2230 Penfield Road  
Penfield, NY 14526-1922

Job #: 4216  
Job Name: Orchard-Whitney Brownfield Investigation  
Date: 8/30/26  
Name: RG/LS

415 ORCHARD STREET SITE

ASBESTOS BULK SAMPLE LOG

573

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL TYPE	AMOUNT	CONDITION	NOTES
11 ORC-CORE 13-173A	1 STORY ADDITION, CURB FLASHING	BLACK TAR/PAPER		Good	CORE 13 5TH Layer
12 ORC-CORE 13-174A	"	"		Good	CORE 13 6TH Layer
13 ORC-CORE 13-175A	"	"		Good	CORE 13 7TH Layer (ON WOOD "IN")
14 ORC-CORE 14-176A	1 STORY ADDITION (SOUTH MOST) MAIN ROOF FIELD	BLACK TAR/PAPER		Good	CORE 14 TOP Layer (UNDER Rubber + 2" Foam)
15 ORC-CORE 14-177A	"	BLACK TAR/PAPER		Good	CORE 14 2ND Layer
16 ORC-CORE 14-178A	"	BLACK TAR/PAPER		Good	CORE 14 3RD Layer
17 ORC-CORE 14-179A	"	BLACK TAR/PAPER		"	CORE 14 4TH Layer
18 ORC-CORE 14-180A	"	BLACK TAR/PAPER		"	CORE 14 5TH Layer
19 ORC-CORE 14-181A	"	BLACK TAR/PAPER		"	CORE 14 6TH Layer
20 ORC-CORE 14-182A	"	BROWN FIBERBOARD INSULATION		"	CORE 14 7TH Layer



# LU ENGINEERS

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Penfield, NY 14526-1922

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## 415 ORCHARD STREET SITE ASBESTOS BULK SAMPLE LOG

573

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL TYPE	AMOUNT	CONDITION	NOTES
21 ORC-CORE 14-183A	1 STORY ADDITION (SOUTH MOST) MAIN ROOF FIELD	BLACK TAR		Good	CORE 14 BOTTOM LAYER ON STEEL DECK
22 ORC-CORE 15-184A	1 STORY ADDITION (SOUTH MOST) MAIN ROOF FIELD	BLACK TAR 1" THICK			CORE 15 UNDER RUBBER + (TOP LAYER) 1" FOAM
23 ORC-CORE 15-185A	11	BLACK FELT PAPER			CORE 15 2ND LAYER
24 ORC-CORE 15-186A	11	BLACK FELT PAPER			CORE 15 3RD LAYER
25 ORC-CORE 15-187A	11	BLACK FELT PAPER			CORE 15 4TH LAYER
26 ORC-CORE 15-188A	11	BLACK FELT PAPER			CORE 15 ON BOTTOM LAYER wood
27 ORC-CORE 16-189A	1 STORY SHEDDABLE POPE (OVER HANG, EAST SIDE)	BLACK STONED SHIMMERS			CORE 16 TOP LAYER
28 ORC-CORE 16-190A	11	BLACK FELT PAPER			CORE 16 BOTTOM LAYER
29 ORC-EXT-191A	11	BLACK TAR			SPANDREL
30 ORC-EXT-192A	1 STORY ADDITION UNDER WALK OF E. CORNER	BLACK TAR/ PAPER			COVERS ENTIRE METAL STAIRING PANELS



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Civil and Environmental  
2230 Penfield Road  
Penfield, NY 14526-1922

Job Name: Orchard-Whitney Brownfield Investigation  
Job #: 4216  
Date: 8/30/06  
Name: RLK

415 ORCHARD STREET SITE  
ASBESTOS BULK SAMPLE LOG

573

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL TYPE	AMOUNT	CONDITION	NOTES
31 ORC-EXT-193A	7 STORY METAL ROOF	Grey GULCIC		OK	located cut Rubber roof seams
32 ORC-Core18-194A	1 STORY ADDITION 3RD FLOOR SECTION	Grey ROOF TAR		OK	Over Core 15 Materials at 3rd
33 ORC-Core18-195A	11	Black FELT PAPER		OK	11
34 ORC-EXT-196A	1 STORY ADDITION, SOUTH METAL ROOF PEAK	White STICKY GULCIC		OK	BETWEEN RIAL Seams
35 ORC-Core18-197A	SECTION 4 ROOF, NORTH SIDE OF SOUTH METAL ROOF PEAK	BLACK TAR		OK	Core 18 TOP
36 ORC-Core18-198A	11	BLACK TAR/PAPER			2ND
37 ORC-Core18-199A	11	11			3RD
38 ORC-Core18-200A	11	11			4TH
39 ORC-Core18-201A	11	Brown SANDY INSULATION			5TH
40 ORC-Core18-202A	11	BLACK TAR/PAPER			6TH



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Civil and Environmental  
2230 Penfield Road  
Penfield, NY 14526-1922

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Date: 8/30/06  
Name: AG/LS

415 ORCHARD STREET SITE  
ASBESTOS BULK SAMPLE LOG

573

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL TYPE	AMOUNT	CONDITION	NOTES
41 ORC-CORE 18-203A	SECTION 4 AWF, NORTH SIDE OF SOUTH METAL PIPE	BLACK TAN / PAPER		OK	CORE 18 7TH
42 ORC-CORE 18-204A	11				8TH
43 ORC-CORE 18-205A	11				9TH
44 ORC-CORE 18-206A	11				10TH
45 ORC-CORE 18-207A	11				BOTTOM Layer
46 ORC-CORE 19-208A	SECTION 5, WEST SIDE OF MIDDLE METAL PIPE			OK	CORE 19 TOP Layer
47 ORC-CORE 19-209A	11	BLACK TAN / TAR PAPER			2ND Layer
48 ORC-CORE 19-210A	11				3RD Layer
49 ORC-CORE 19-211A	11				4TH Layer
50 ORC-CORE 19-212A	11				BOTTOM Layer OR wood



















# ATTACHMENT E

*Asbestos Location Sketches &  
Pictures of Each Homogeneous Material Sampled*

**ASBESTOS TECHNICAL MEMORANDUM**

415 ORCHARD STREET SITE  
ROCHESTER, NEW YORK 14606

**KEY:**

-  APPROXIMATE LOCATION OF ASBESTOS PIPE INSULATION AND MUD FITTINGS
-  APPROXIMATE LOCATION OF ASBESTOS DEBRIS (PIPE INSULATION OR VERMICULITE)
-  FURNANCE LOCATION (ONLY SHOWN IF GASKETS CONTAIN ASBESTOS (G))
-  ASBESTOS CONTAINING 1' X 2' METAL PAN CEILING AND PARTIAL WALL BACKING
-  ASBESTOS CONTAINING DOOR FRAME CAULK
-  ASBESTOS CONTAINING ELEVATOR BREAK PADS
-  ASBESTOS CONTAINING LINOLEUM, BACKING PAPER & MASTIC
-  ASBESTOS CONTAINING FLOOR TILE & MASTIC
-  ASBESTOS CONTAINING FLOOR TILE (NON-ASBESTOS MASTIC)
-  ASBESTOS CONTAINING PIPE INSULATION AND MUD FITTINGS
-  ASBESTOS CONTAINING PIPE INSULATION DEBRIS / RESIDUE
-  ASBESTOS CONTAINING PIPE FLANGE GASKETS
-  ASBESTOS CONTAINING ROOF DEBRIS (MIXED WITH ASBESTOS PIPE DEBRIS)
-  ASBESTOS CONTAINING BUILT-UP ROOF (BUR) FIELD AND FLASHINGS
-  ASBESTOS CONTAINING ROOF FLASHINGS (1' WIDTH): PERIMETER, CURB AND PENETRATION FLASHINGS
-  ASBESTOS CONTAINING WHITE STICKY CAULK BETWEEN METAL ROOF SEAMS & JOINTS

Lu Project #: 4216



**ASBESTOS LOCATION KEY PLAN**

415 Orchard Street  
Rochester, New York 14606

***Pre-demolition Technical Memorandum***

**KEY:**

- (VMD) ASBESTOS CONTAINING VERMICULITE DEBRIS
- (WCK) ASBESTOS CONTAINING WINDOW CAULK AND GLAZING (INTERIOR AND EXTERIOR)
- (W1) ASBESTOS CONTAINING VERMICULITE WALL INSULATION
- (W2) ASBESTOS CONTAINING WALL PANEL GLUE
- (W3) ASBESTOS CONTAINING TAN FIBERBOARD WALL AND CEILING PEG BOARD
- (W4) ASBESTOS CONTAINING BLACK TAR / TAR PAPER EXTERIOR WALL COATING

Lu Project #: 4216



**LU ENGINEERS**  
Civil and Environmental

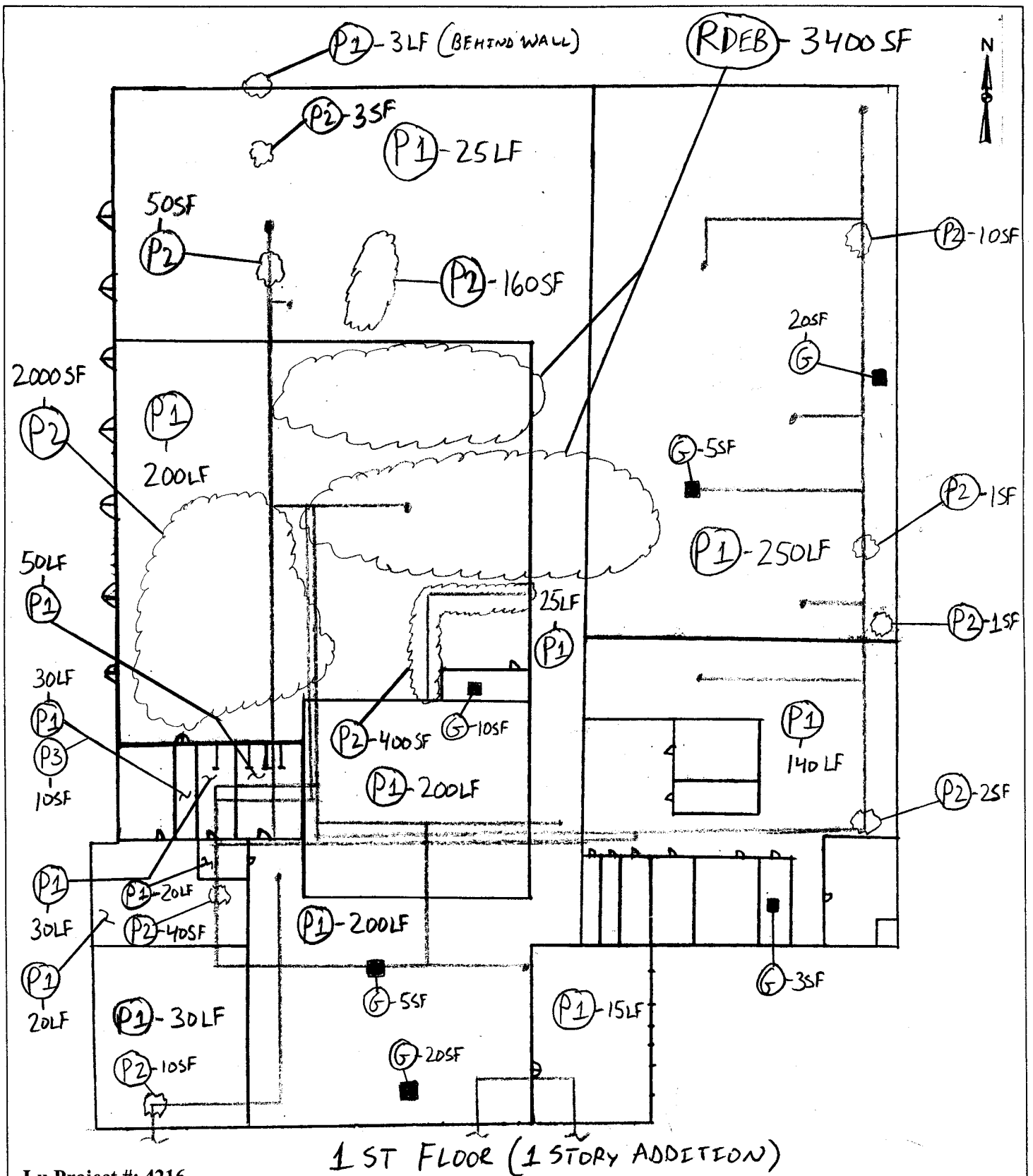
PAGE 2 OF 2

**ASBESTOS LOCATION KEY PLAN**

415 Orchard Street  
Rochester, New York 14606

***Pre-demolition Technical Memorandum***





Lu Project #: 4216

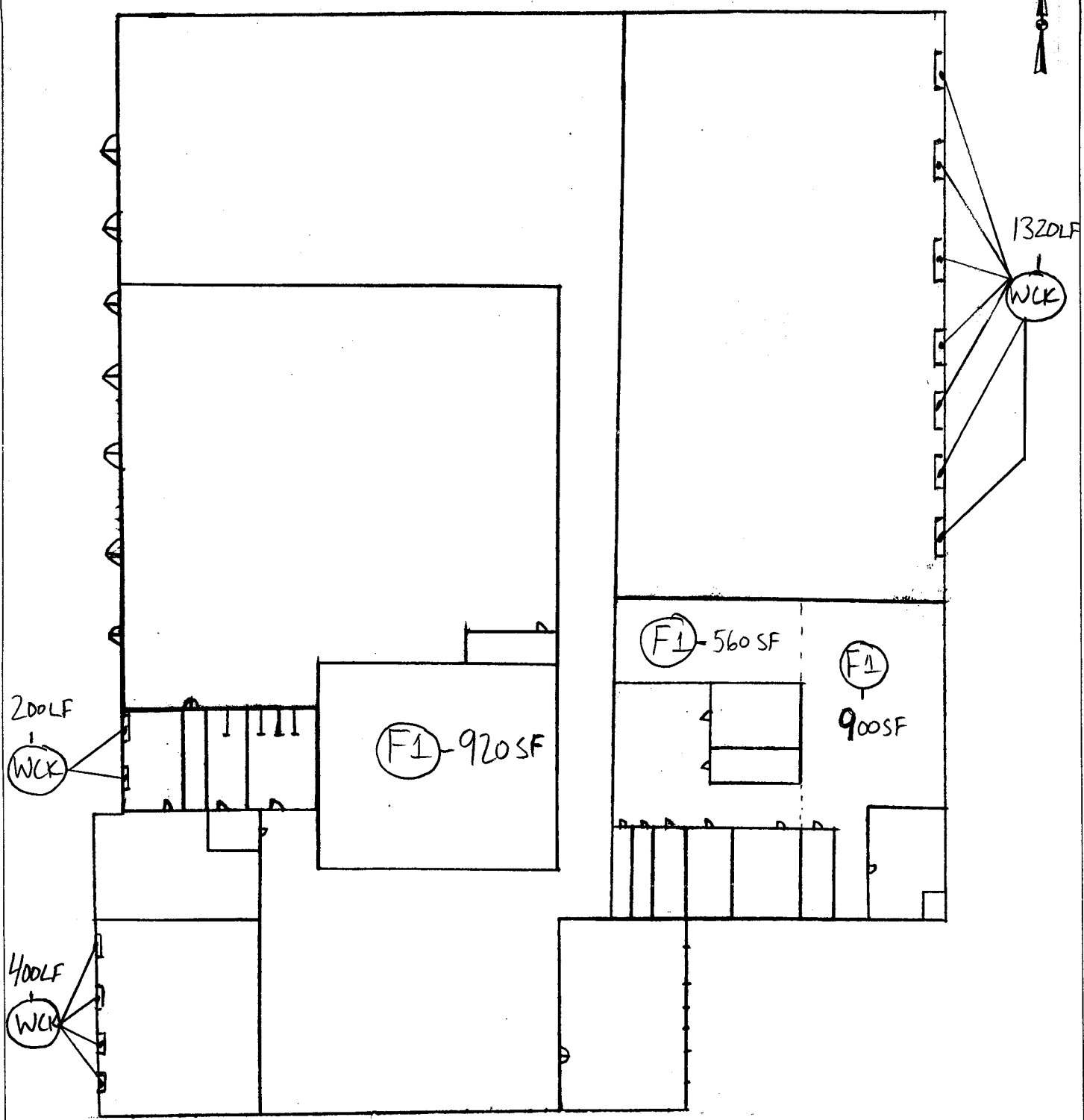


Sketch Is Not Drawn To Scale

### ASBESTOS LOCATION SKETCH

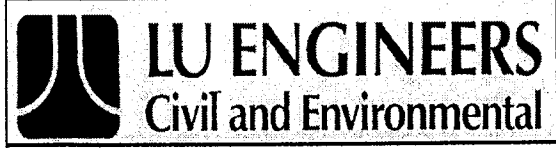
415 Orchard Street  
Rochester, New York 14606

*Pre-demolition Technical Memorandum*



1 ST FLOOR (1 STORY ADDITION)

Lu Project #: 4216

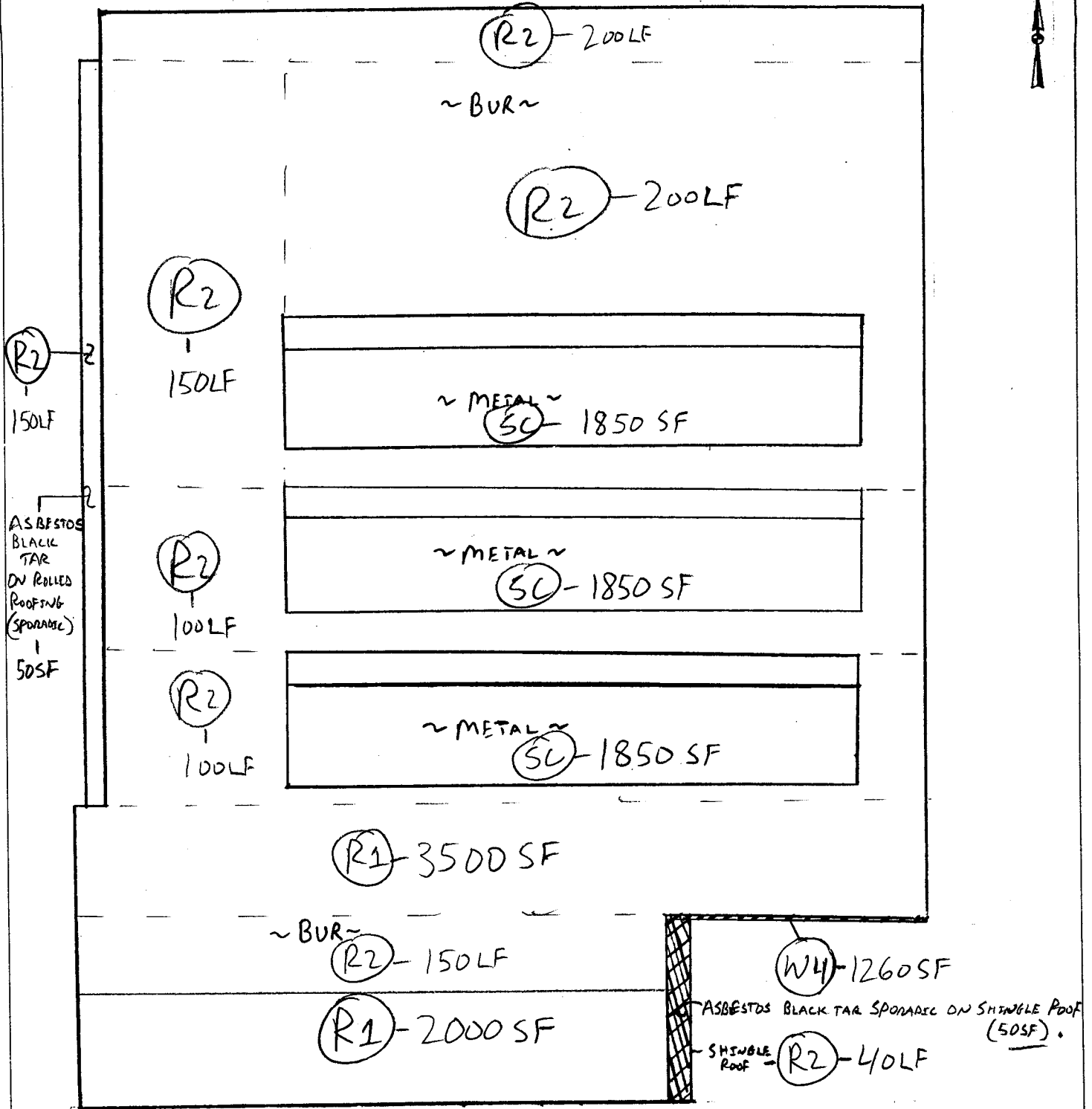
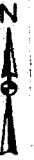


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**ASBESTOS LOCATION SKETCH**

415 Orchard Street  
Rochester, New York 14606

**Pre-demolition Technical Memorandum**



1 STORY ADDITION ROOF

Lu Project #: 4216



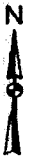
**LU ENGINEERS**  
Civil and Environmental

Sketch Is Not Drawn To Scale

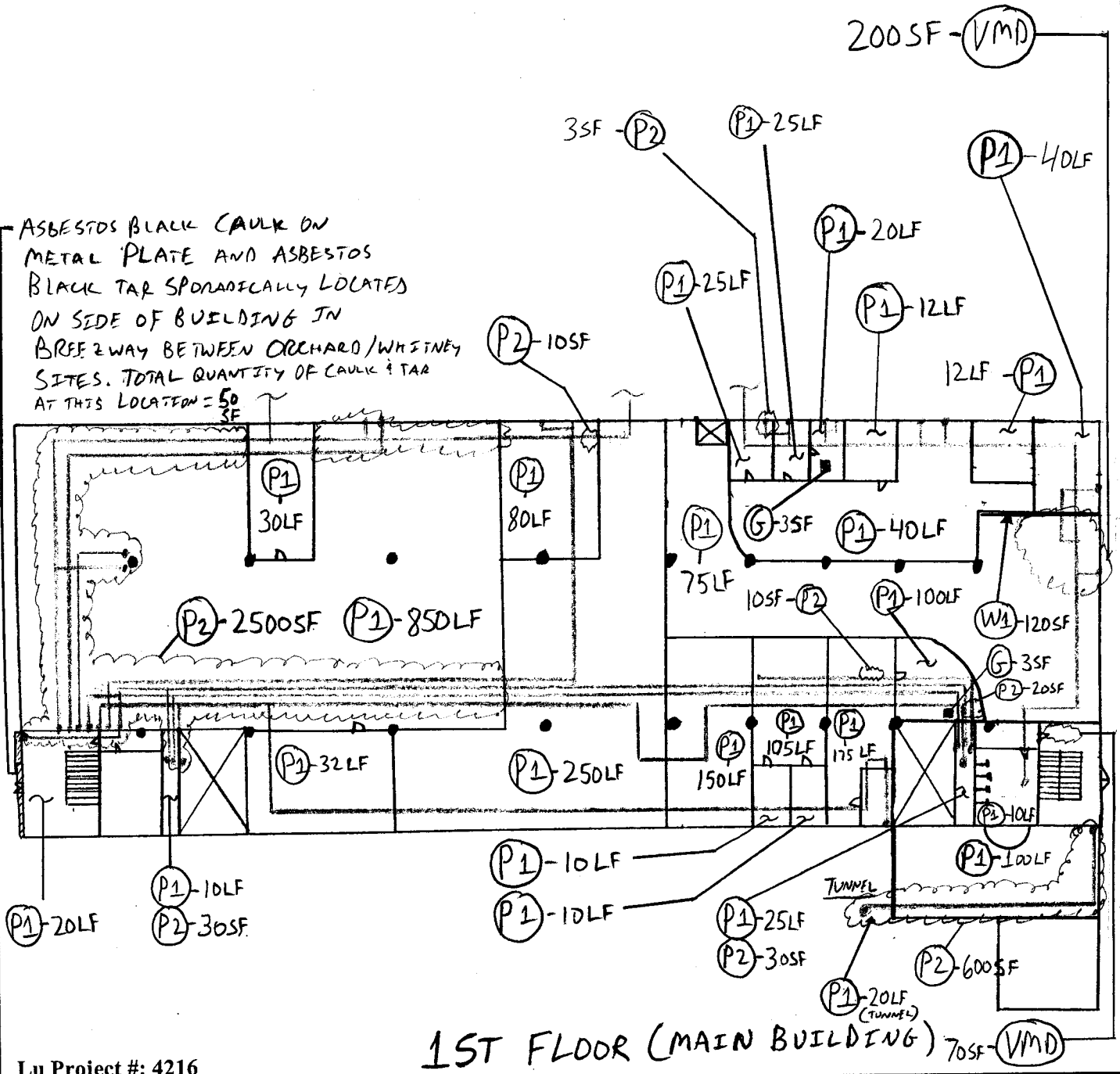
**ASBESTOS LOCATION SKETCH**

415 Orchard Street  
Rochester, New York 14606

**Pre-demolition Technical Memorandum**



ASBESTOS BLACK CAULK ON METAL PLATE AND ASBESTOS BLACK TAR SPORADICALLY LOCATED ON SIDE OF BUILDING IN BREEZEWAY BETWEEN ORCHARD/WHEATNEY SITES. TOTAL QUANTITY OF CAULK & TAR AT THIS LOCATION = 50 SF



1ST FLOOR (MAIN BUILDING)

Lu Project #: 4216



Sketch Is Not Drawn To Scale

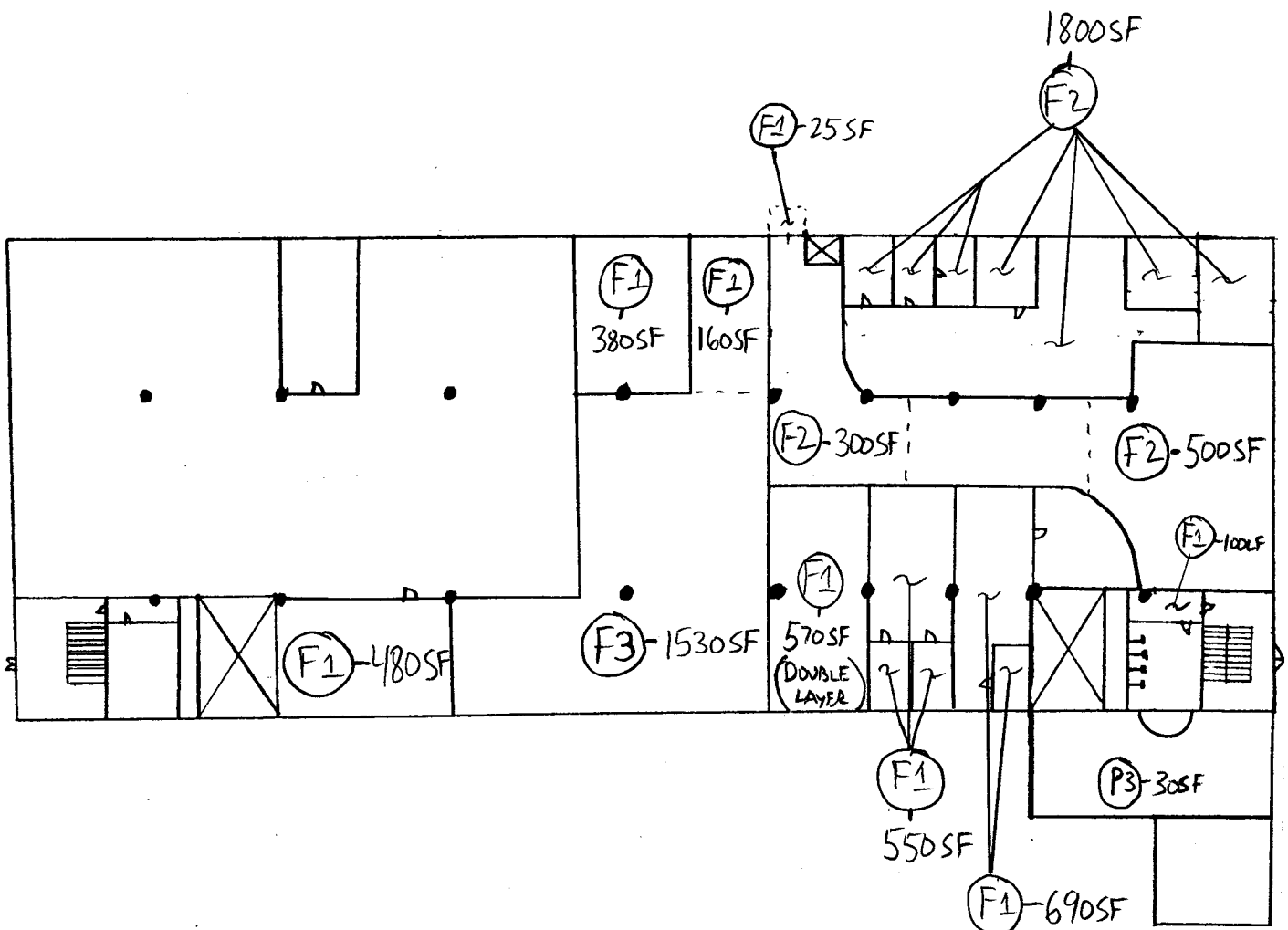
ASBESTOS LOCATION SKETCH

415 Orchard Street  
Rochester, New York 14606

Pre-demolition Technical Memorandum

NOTES:

(WLK) - LOCATED ON ALL WINDOWS THROUGH OUT FLOOR  
TOTAL APPROXIMATE QUANTITY = 3000 LF



1ST FLOOR (MAIN BUILDING)

Lu Project #: 4216



Sketch Is Not Drawn To Scale

**ASBESTOS LOCATION SKETCH**

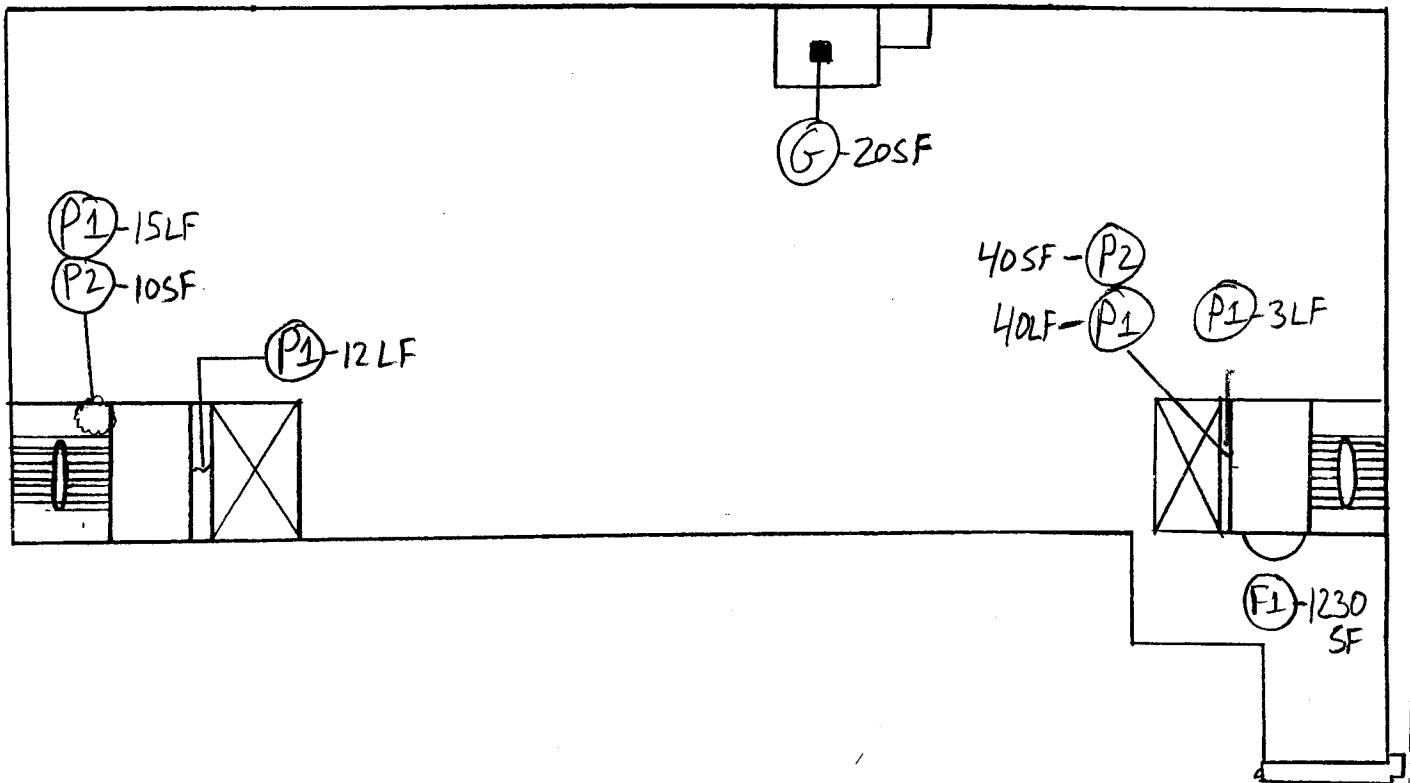
415 Orchard Street  
Rochester, New York 14606

**Pre-demolition Technical Memorandum**



NOTES:

(WCL) - LOCATED ON ALL WINDOWS THROUGHOUT FLOOR  
TOTAL APPROXIMATE QUANTITY = 4400LF



2ND FLOOR (MAIN BUILDING)

Lu Project #: 4216



Sketch Is Not Drawn To Scale

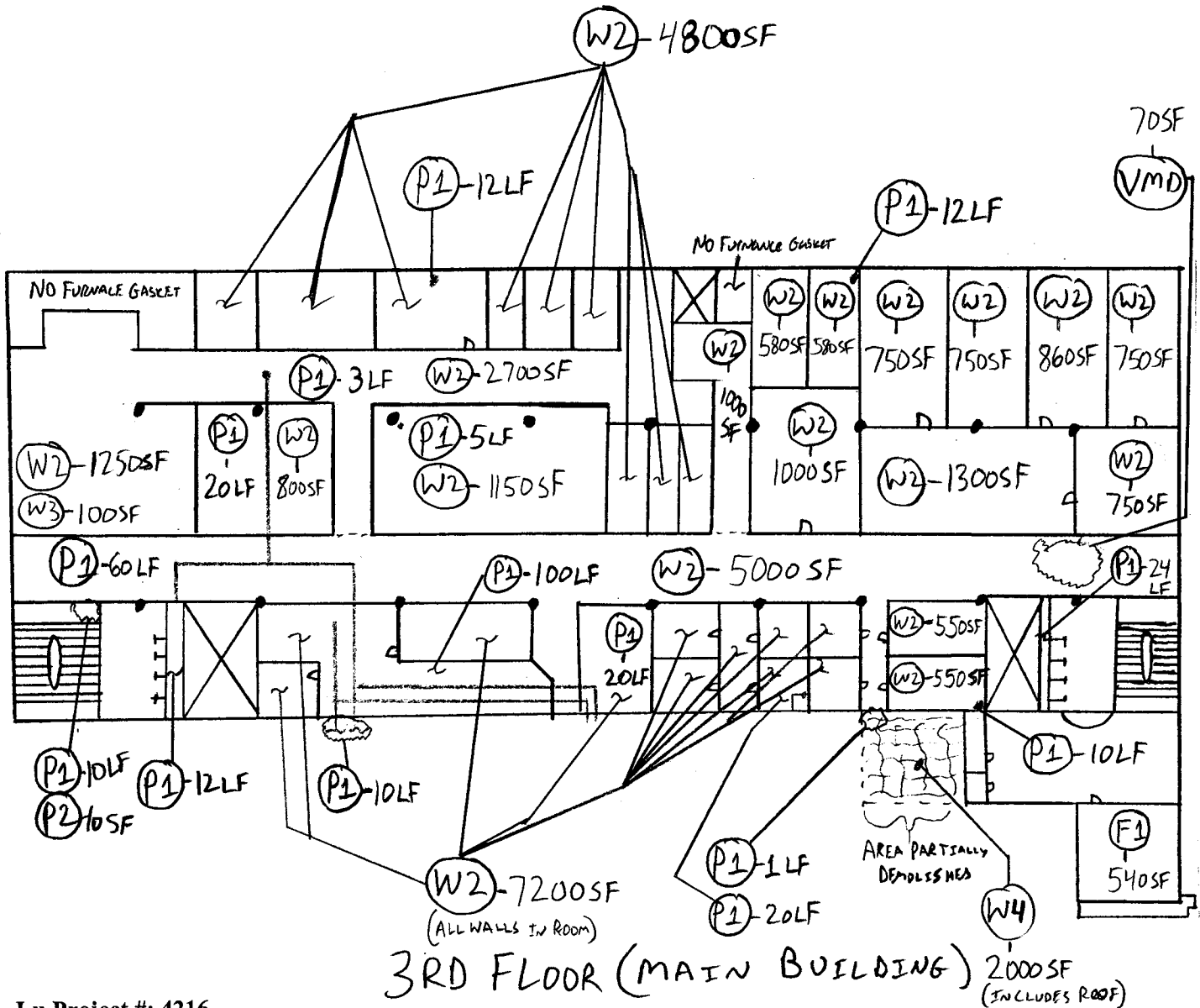
**ASBESTOS LOCATION SKETCH**

415 Orchard Street  
Rochester, New York 14606

**Pre-demolition Technical Memorandum**

NOTES:

(WCK) - LOCATED ON ALL WINDOWS THROUGHOUT FLOOR  
 TOTAL APPROXIMATE QUANTITY = 4000LF



Lu Project #: 4216



Sketch Is Not Drawn To Scale

**ASBESTOS LOCATION SKETCH**

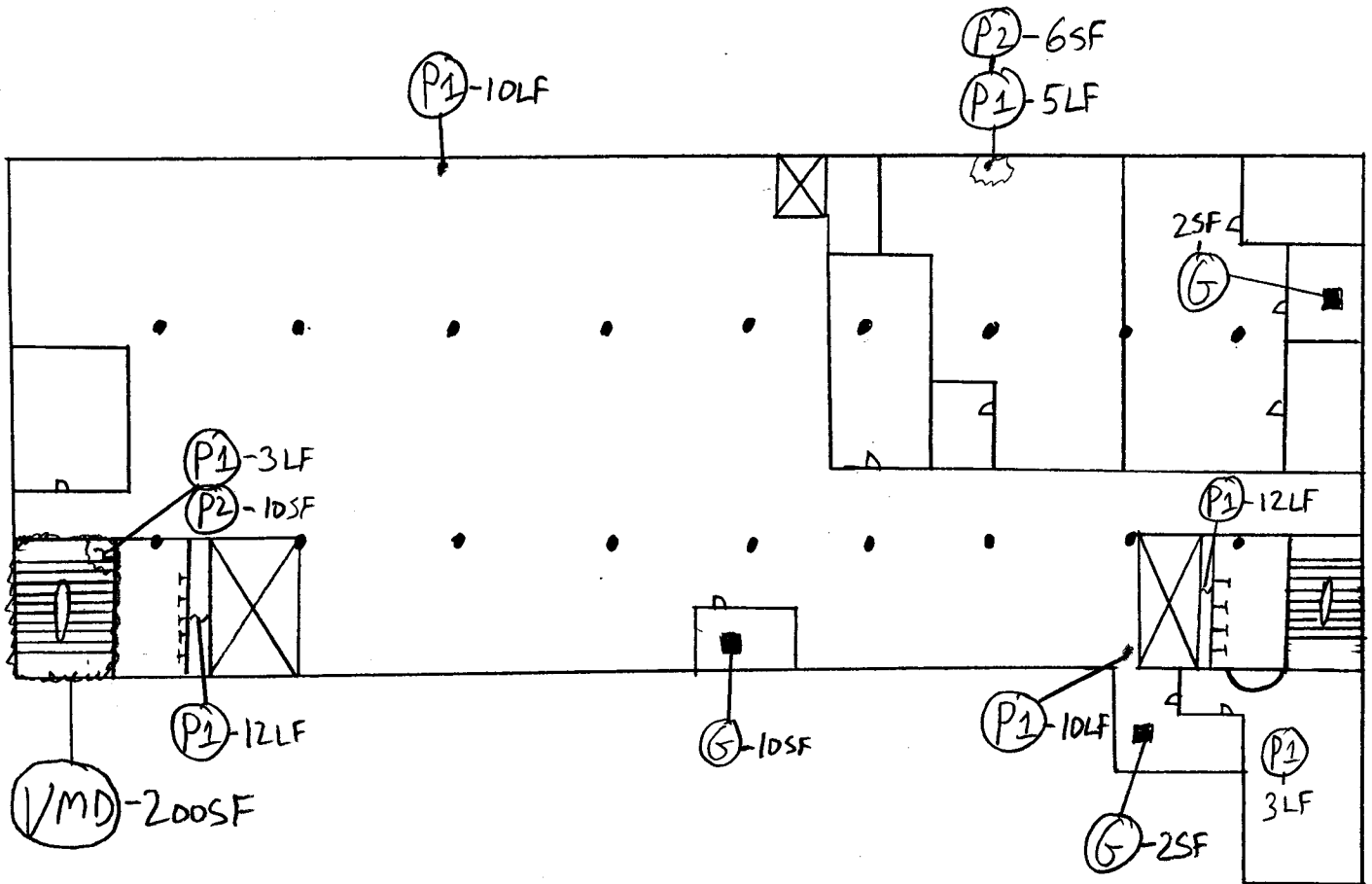
415 Orchard Street  
 Rochester, New York 14606

**Pre-demolition Technical Memorandum**



NOTES:

(WCK) - LOCATED ON ALL WINDOWS THROUGH OUT FLOOR  
TOTAL APPROXIMATE QUANTITY = 5600 LF



4TH FLOOR (MAIN BUILDING)

Lu Project #: 4216



Sketch Is Not Drawn To Scale

**ASBESTOS LOCATION SKETCH**

415 Orchard Street  
Rochester, New York 14606

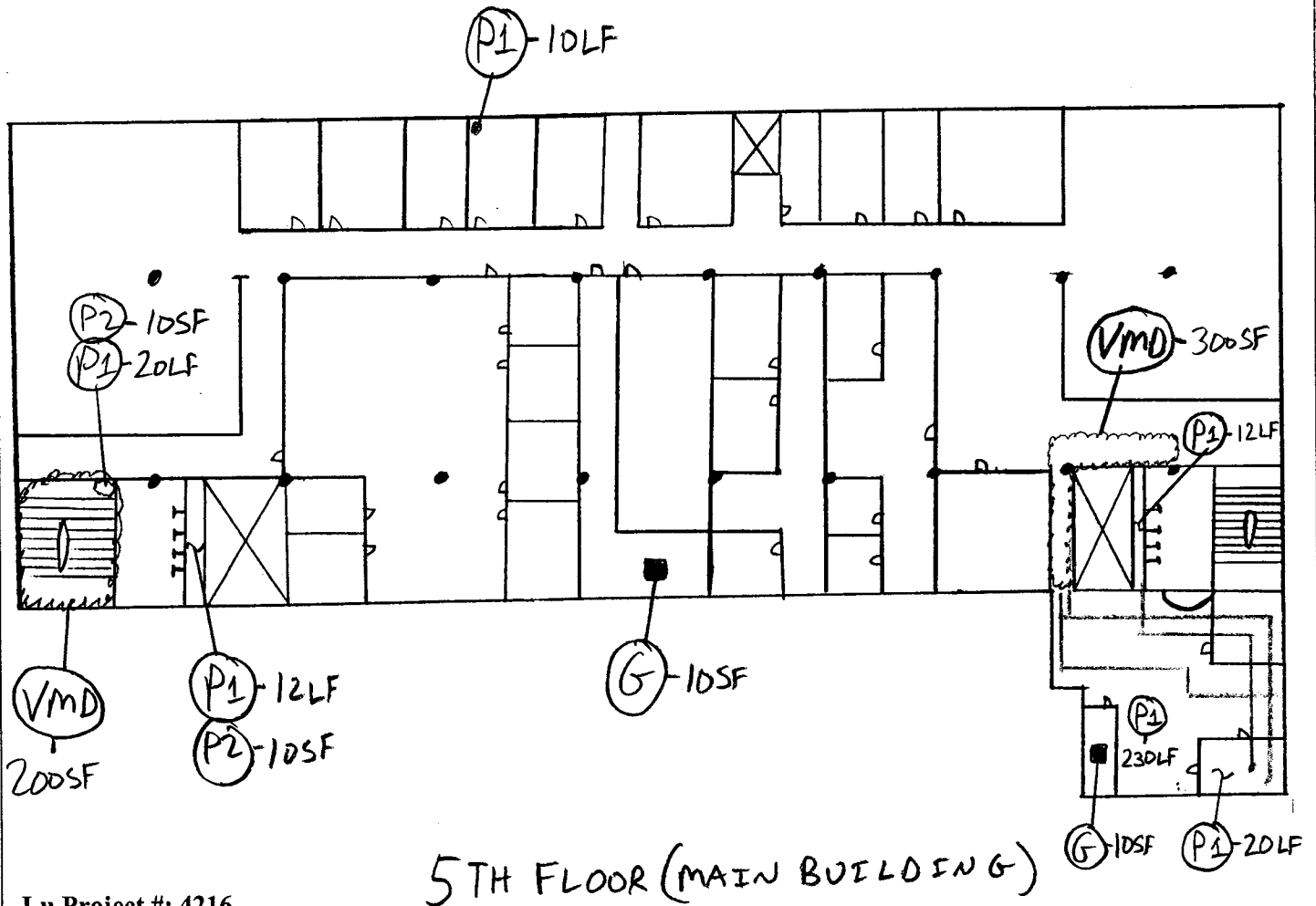
**Pre-demolition Technical Memorandum**





NOTES :

(WCK) - LOCATED ON ALL WINDOWS THROUGHOUT FLOOR  
TOTAL APPROXIMATE QUANTITY = 5800 LF



5TH FLOOR (MAIN BUILDING)

Lu Project #: 4216



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**ASBESTOS LOCATION SKETCH**

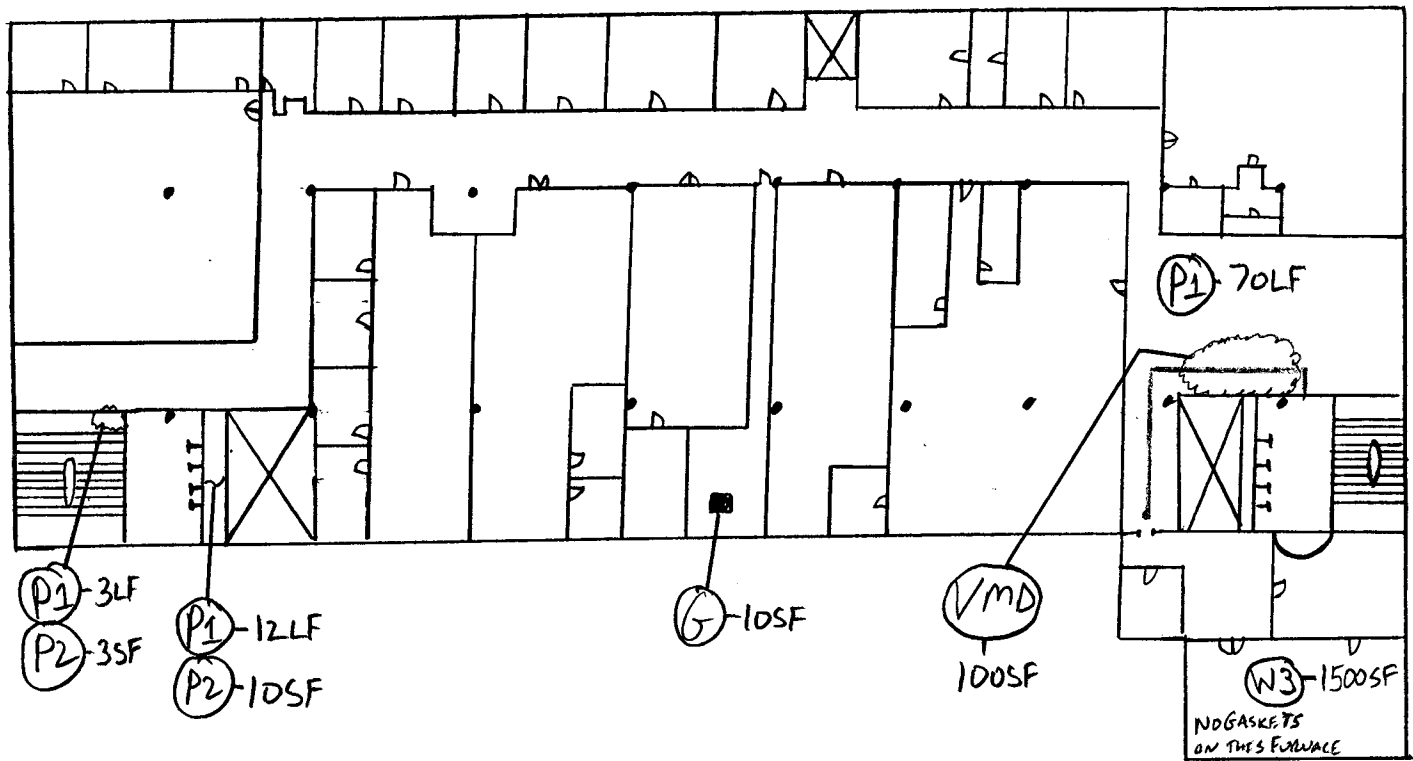
415 Orchard Street  
Rochester, New York 14606

**Pre-demolition Technical Memorandum**



NOTES:

(WCK) - LOCATED ON ALL WINDOWS THROUGH OUT FLOOR  
TOTAL APPROXIMATE QUANTITY = 5800 LF



6TH FLOOR (MAIN BUILDING)

Lu Project #: 4216



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**ASBESTOS LOCATION SKETCH**

415 Orchard Street  
Rochester, New York 14606

**Pre-demolition Technical Memorandum**



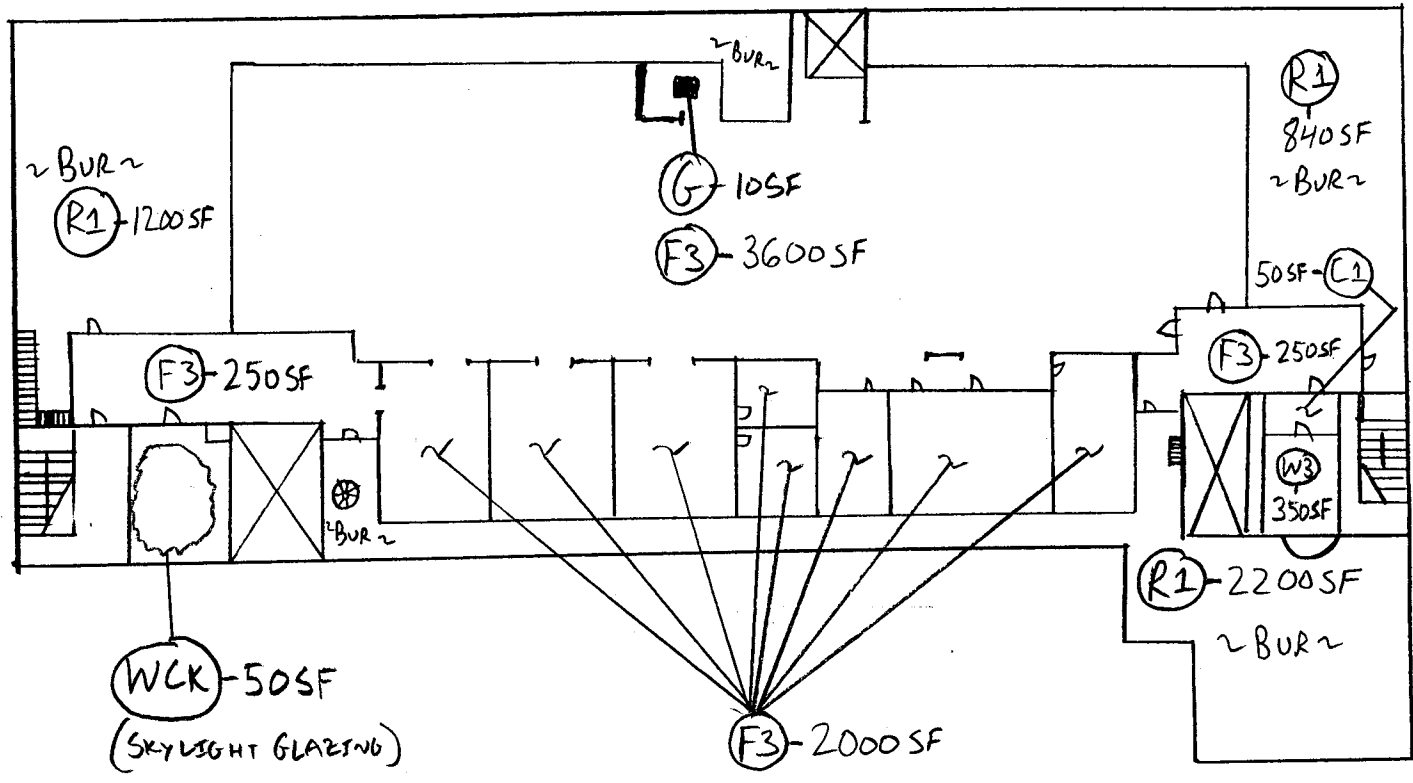
NOTES:

(WCK) - LOCATED ON ALL WINDOWS THROUGH OUT FLOOR.  
TOTAL APPROXIMATE QUANTITY = 900 LF.

FLASHINGS INCLUDE PERIMETER, CURB AND PENETRATION FLASHINGS.

SPORADIC BLACK/GREY ASBESTOS CONTAINING TAR IS LOCATED ON PARAPET WALL CAPS AND ON BRICK ADJACENT TO FLASHINGS. TOTAL QUANTITY OF SPORADIC TAR = 100SF.

WHITE (WEATHERED GREY) ASBESTOS BUILDING JOINT CAULK EXISTS SPORADICALLY BETWEEN BUILDING JOINTS. TOTAL QUANTITY OF SPORADIC CAULK = 25 SF.



7TH FLOOR (MAIN BUILDING)

Lu Project #: 4216



Sketch Is Not Drawn To Scale

ASBESTOS LOCATION SKETCH

415 Orchard Street  
Rochester, New York 14606

Pre-demolition Technical Memorandum

NOTES:

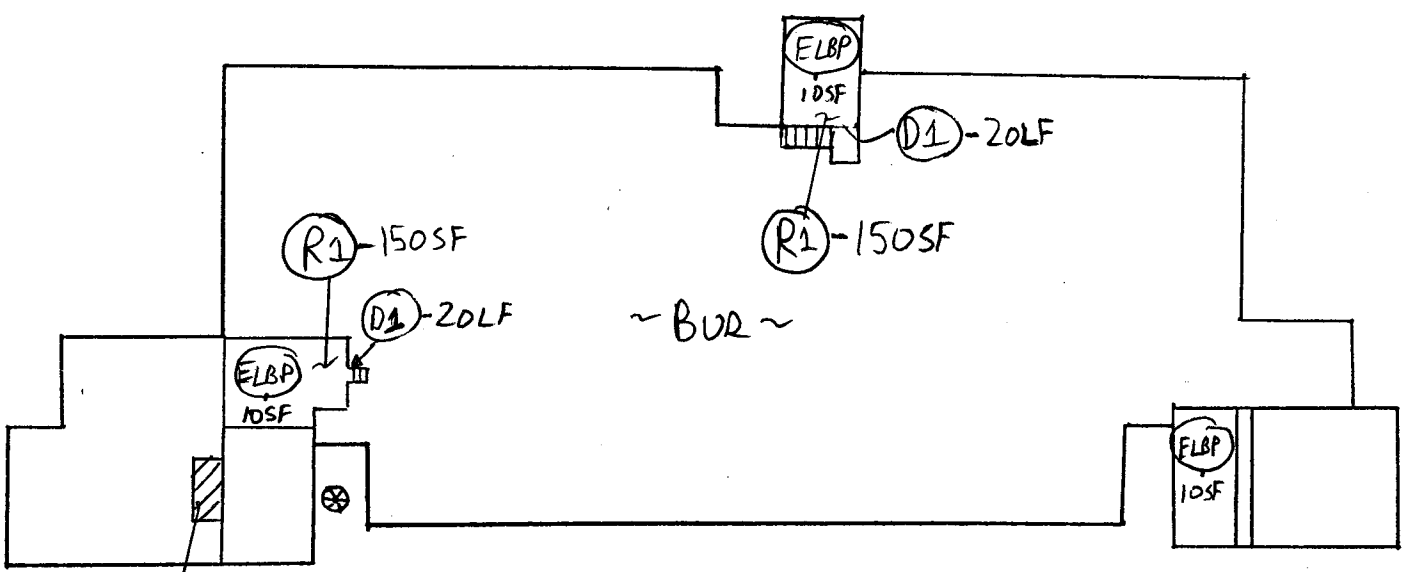


(WCK) - LOCATED IN ELEVATOR MACHINE ROOMS AND PENTHOUSE AREAS  
TOTAL APPROXIMATE QUANTITY = 900 LF.

FLASHINGS INCLUDE PERIMETER, CURB AND PENETRATION FLASHINGS.

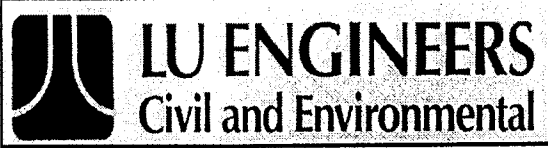
SPORADIC BLACK/GREY ASBESTOS CONTAINING TAR IS LOCATED ON  
PARAPET WALL CAPS AND ON BRICK ADJACENT TO FLASHINGS. TOTAL  
QUANTITY OF SPORADIC TAR = 100 SF.

SPORADIC BROWN ASBESTOS CONTAINING FLASHING CAULK IS LOCATED  
ON COUNTER FLASHINGS AND PERIMETER FLASHINGS OF 7TH FLOOR  
ROOF SYSTEMS. TOTAL APPROXIMATE QUANTITY = 200 SF.



ASBESTOS CONTAINING SILVER/TAR SIDING & ROOF = 400SF  
MAIN BUILDING ROOF

Lu Project #: 4216

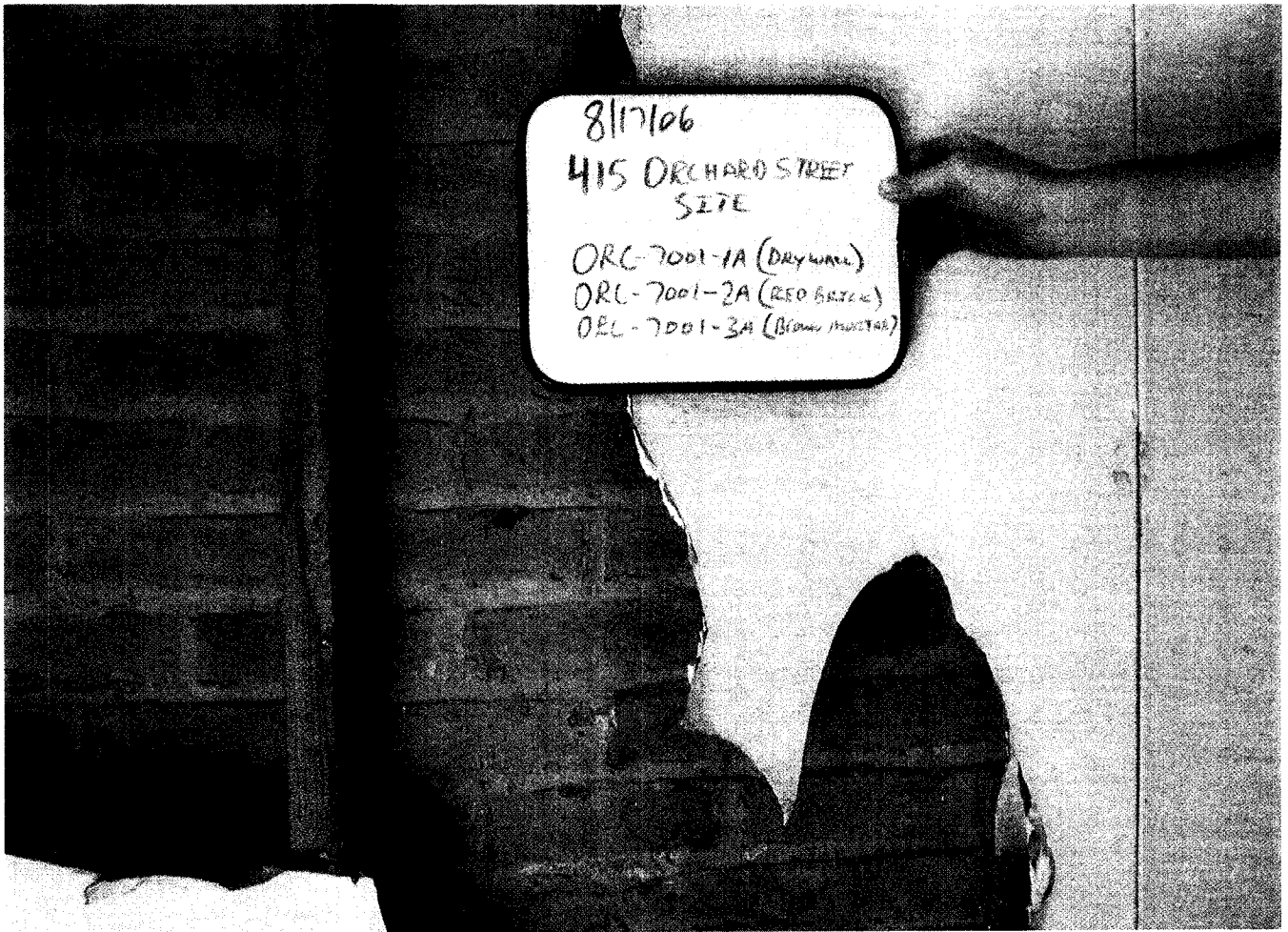


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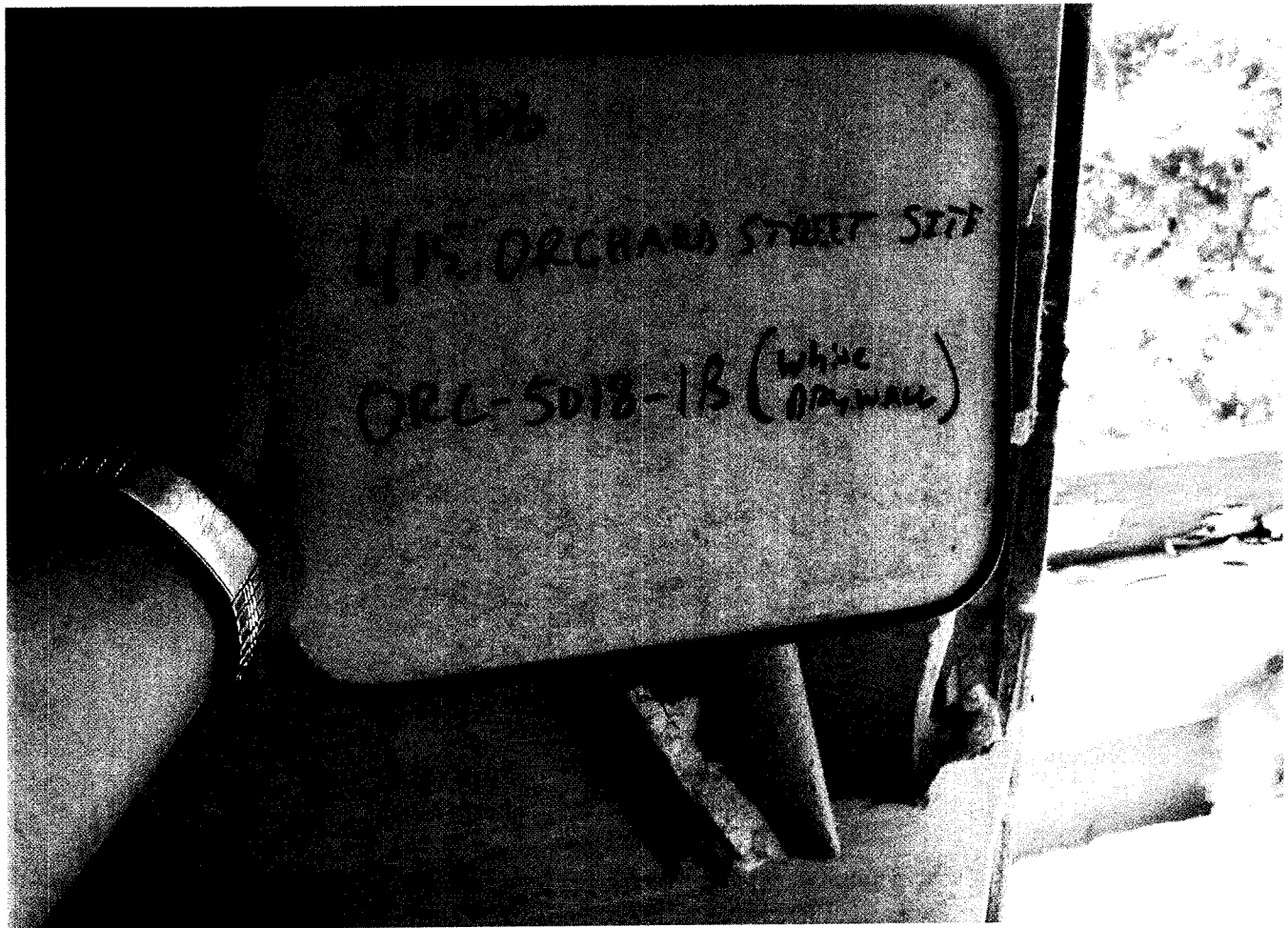
**ASBESTOS LOCATION SKETCH**

415 Orchard Street  
Rochester, New York 14606

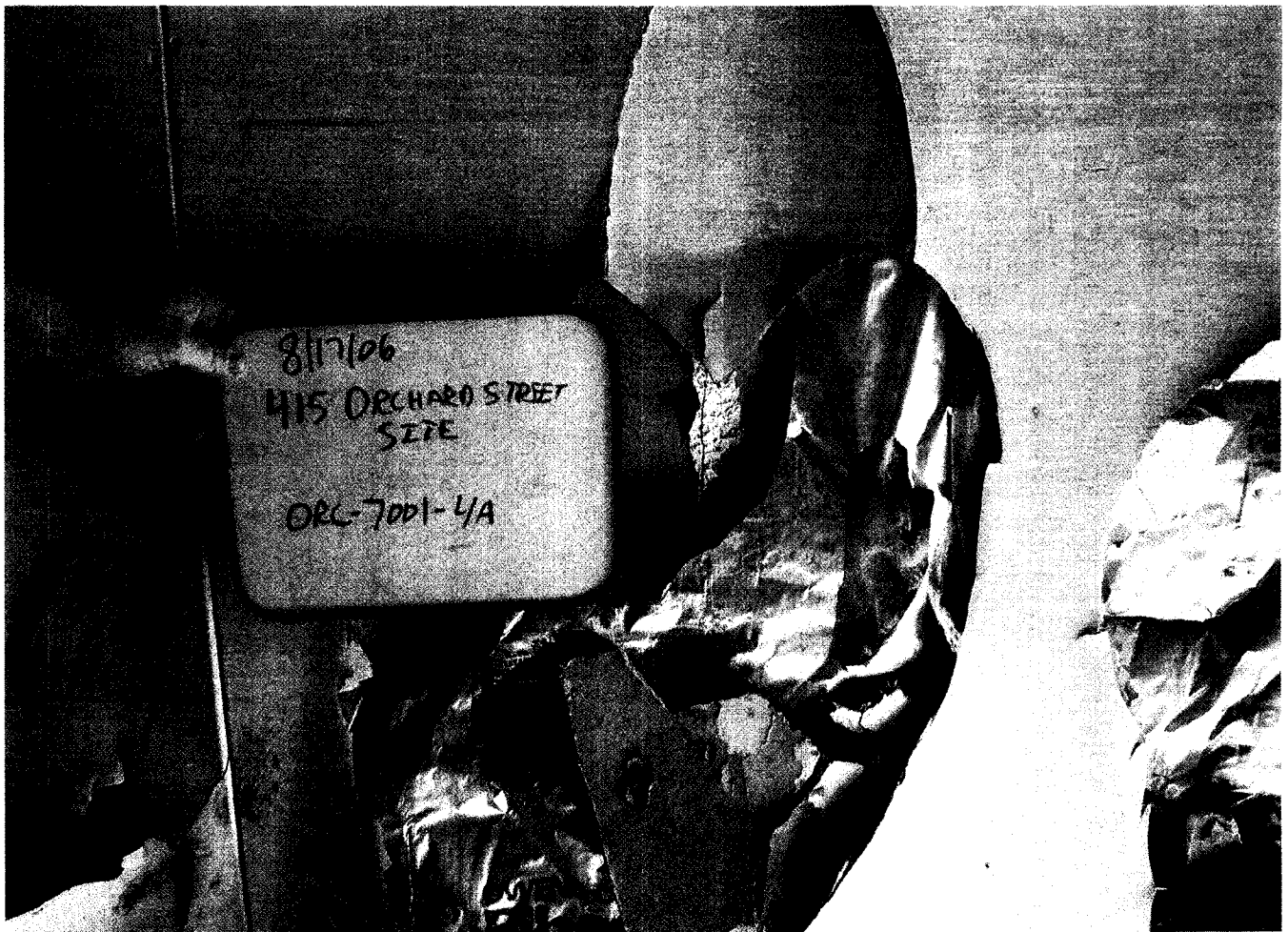
**Pre-demolition Technical Memorandum**



8/17/06  
415 ORCHARD STREET  
SITE  
ORC-7001-1A (DRYWALL)  
ORC-7001-2A (RED BRICK)  
ORC-7001-3A (BLANK MORTAR)

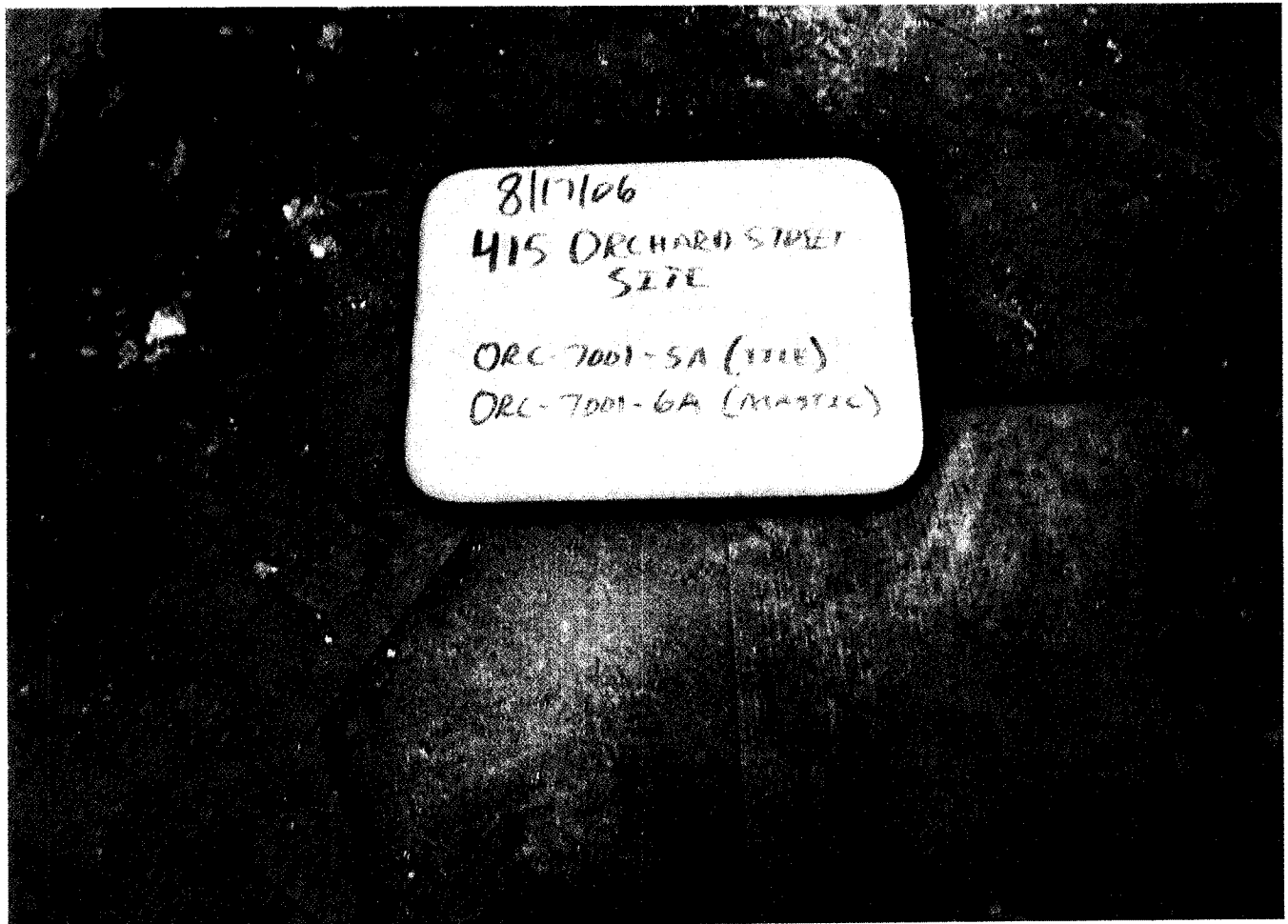


8/17/06  
415 ORCHARD STREET SITE  
ORC-5018-1B (WHITE  
DRYWALL)



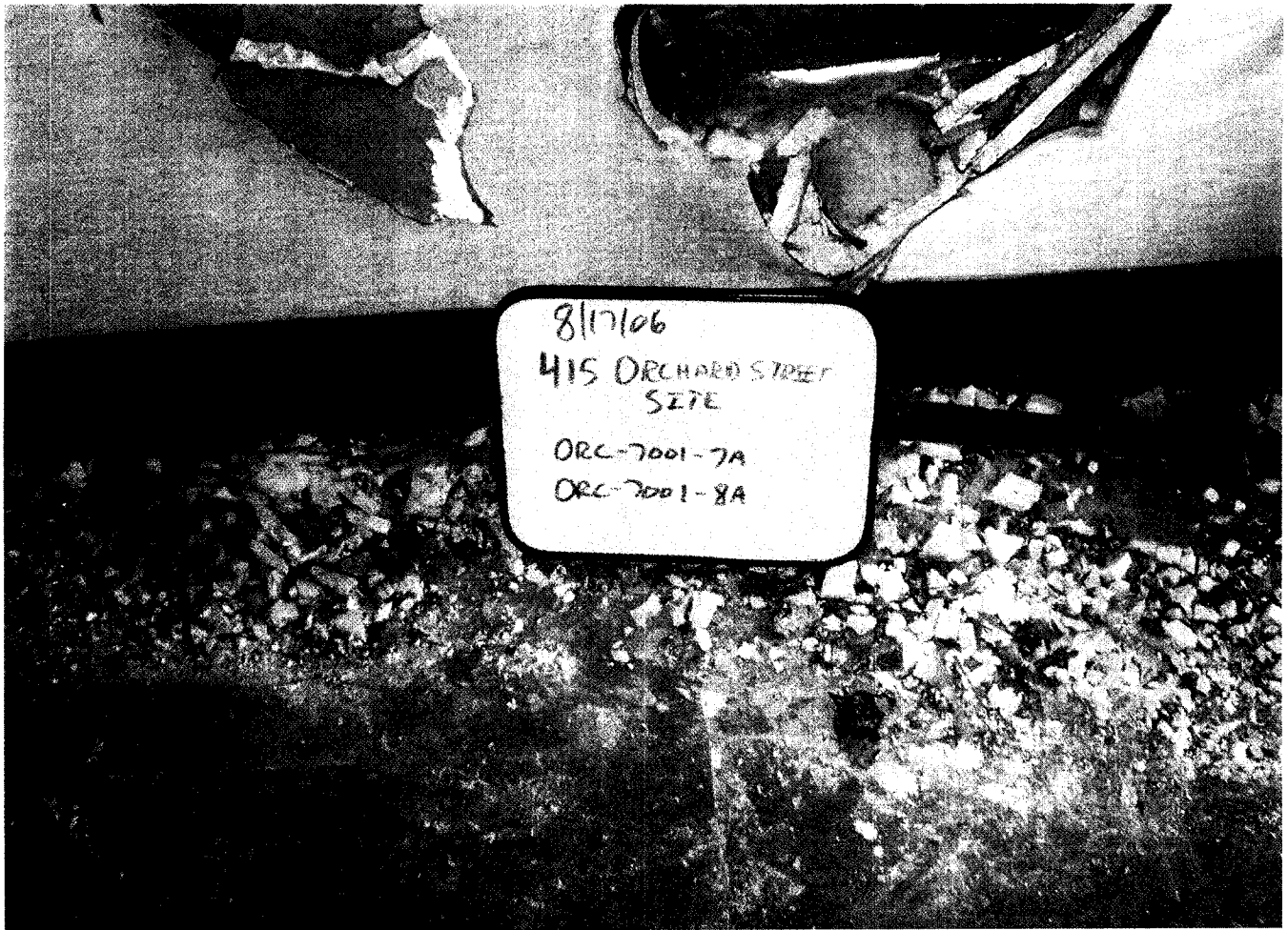
8/17/06  
415 ORCHARD STREET  
SITE

ORC-7001-4A



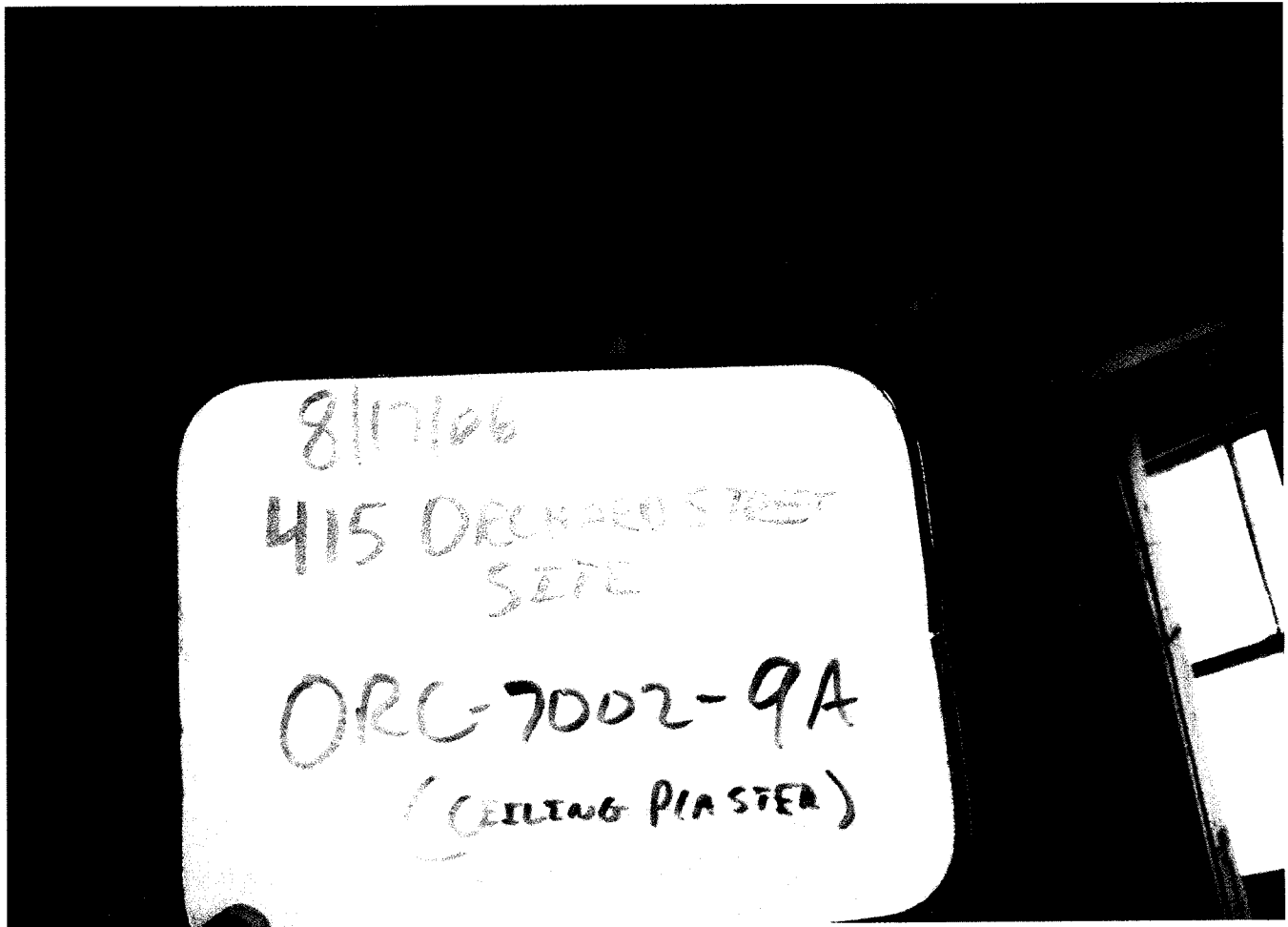
8/17/06  
415 ORCHARD STREET  
SITE

ORC-7001-5A (TILE)  
ORC-7001-6A (MASTIC)



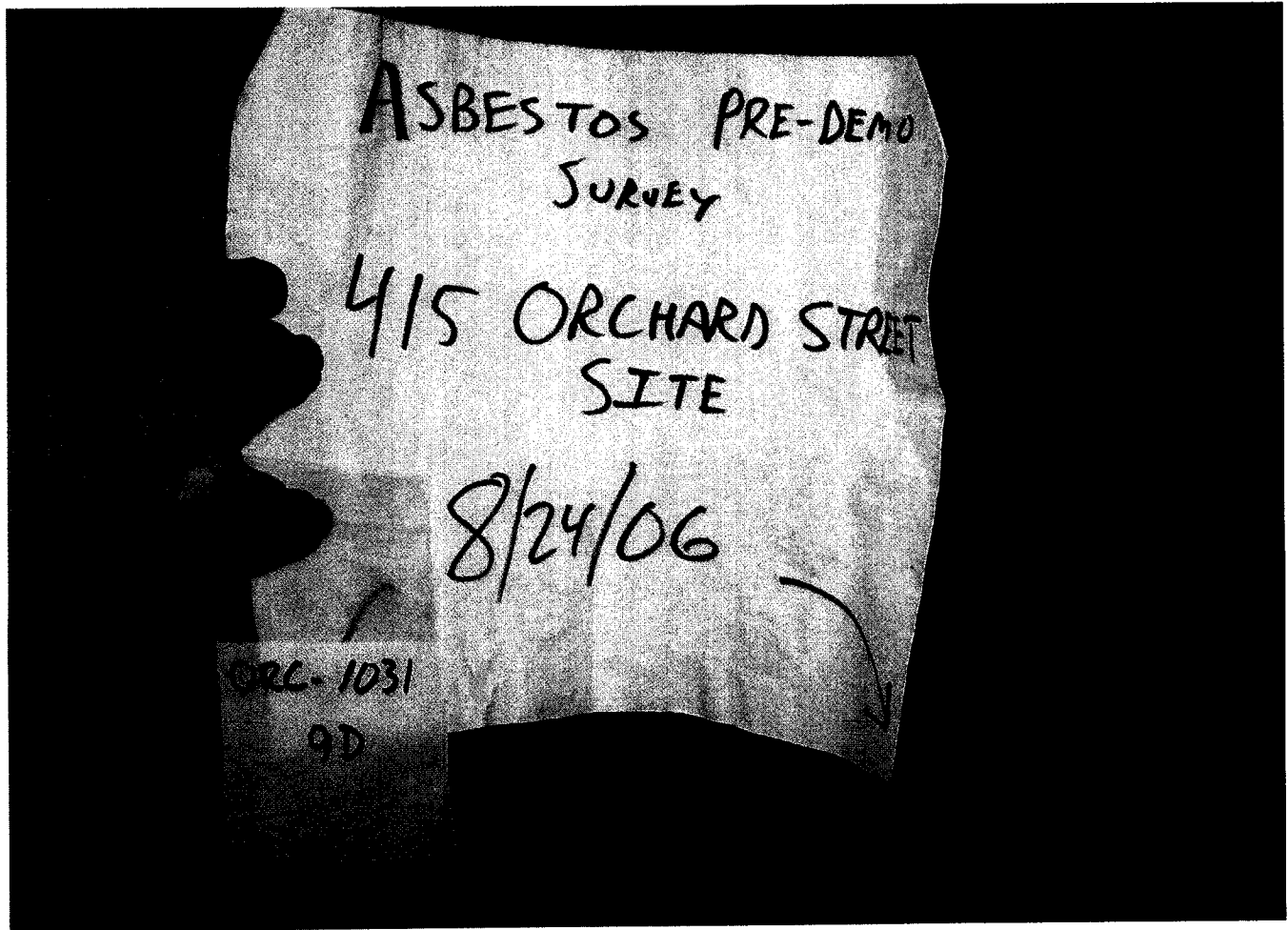
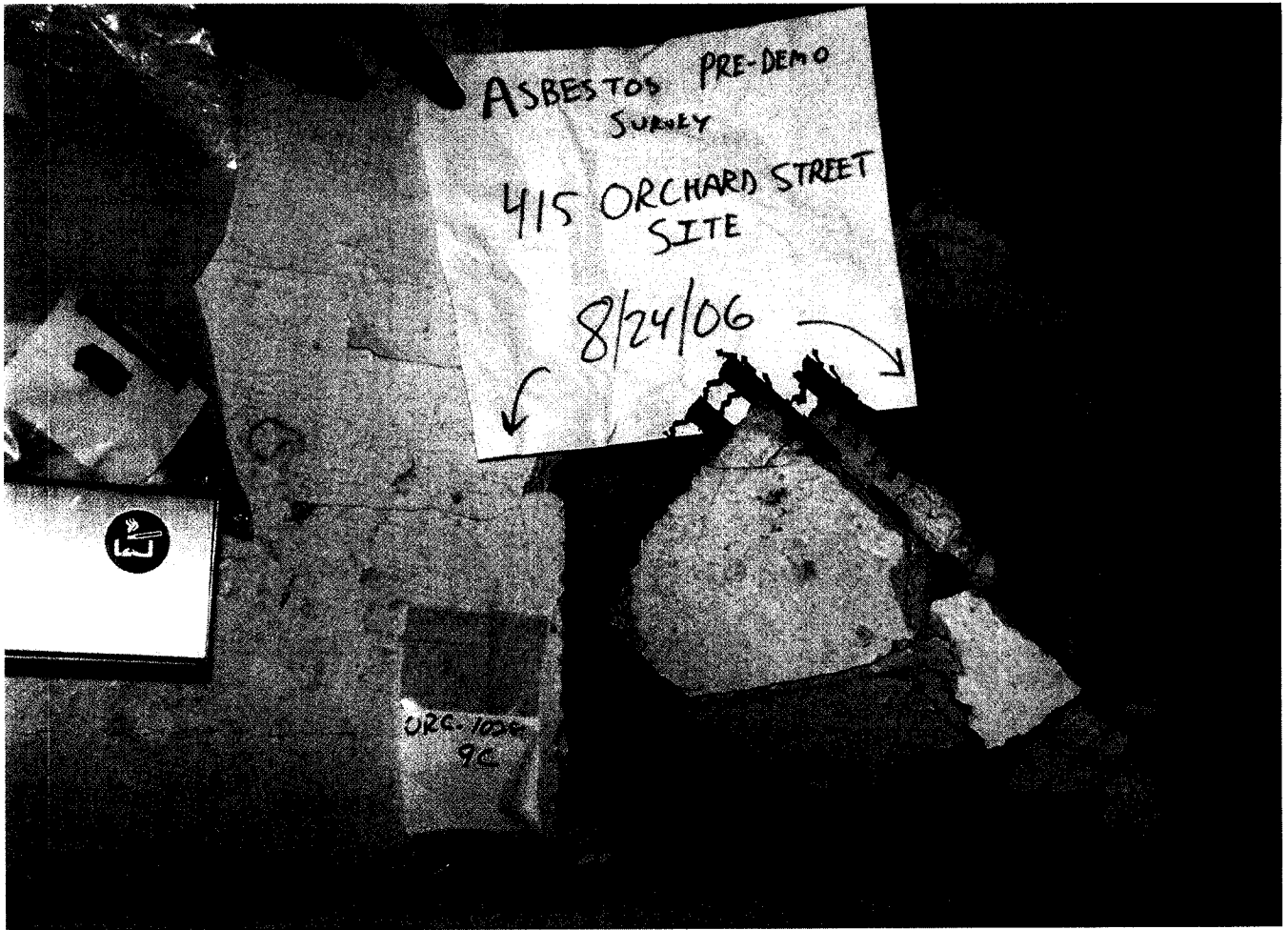
8/17/06  
415 ORCHARD STREET  
SITE

ORC-7001-7A  
ORC-7001-8A



8/17/06  
415 ORCHARD STREET  
SITE

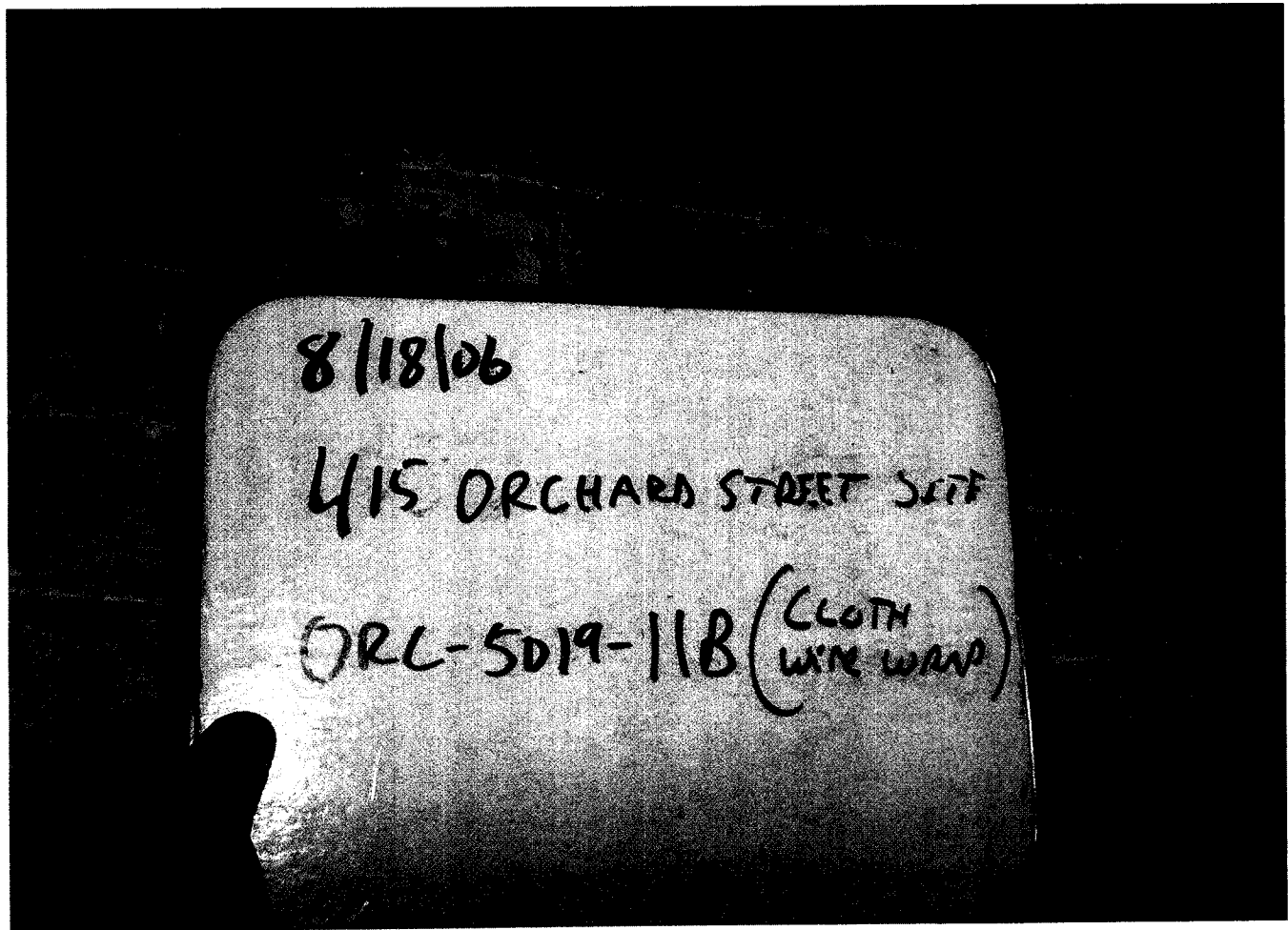
ORC-7002-9A  
(CEILING PLASTER)

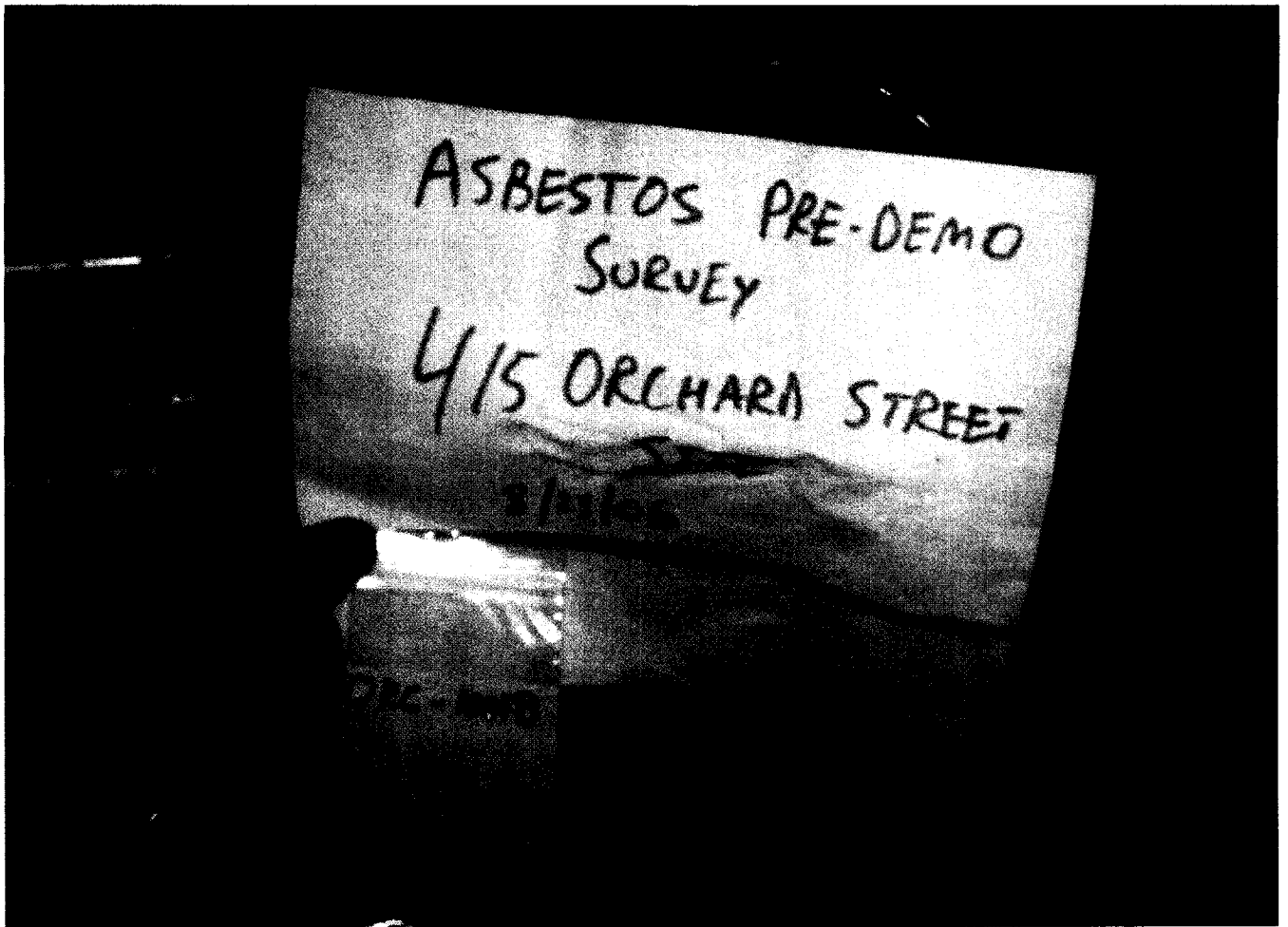




Asbestos Pre-Demo  
Survey  
415 Orchard Street  
Site  
8/25/06  
ORC-EXT 9G

8/25/06  
415 ORCHARD STREET  
SITE  
ORC TOUR - 10A  
(ALUMINUM PAPER)







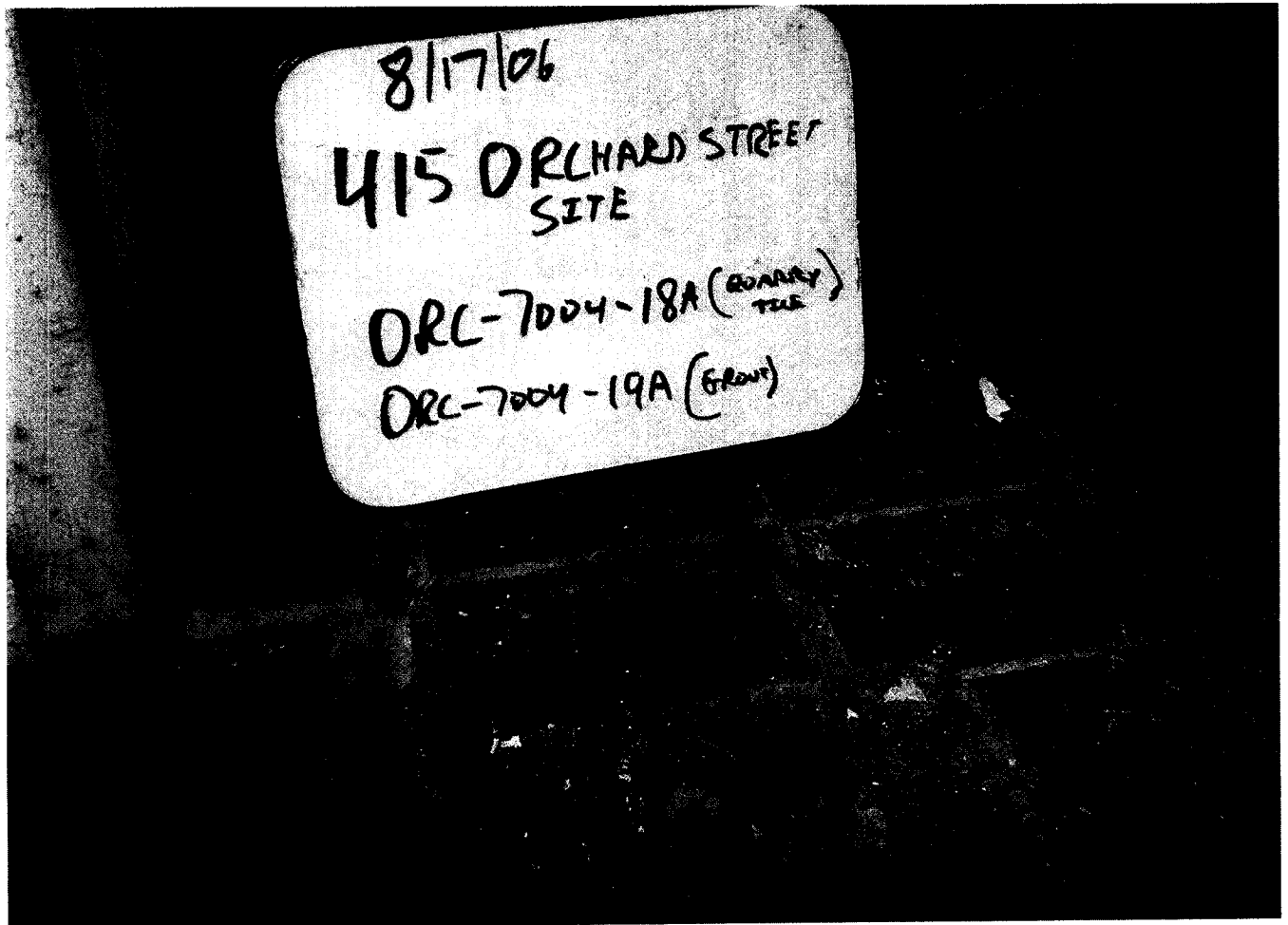
13A  
?  
14A



ORC-7004-15A  
(FIRE DOOR CORE)



8/17/06  
415 ORCHARD STREET  
SITE  
ORC-7004-16A (BRICK)  
ORC-7004-17A (MORTAR)



8/17/06  
415 ORCHARD STREET  
SITE  
ORC-7004-18A (QUARRY  
TILE)  
ORC-7004-19A (GROUT)

8/17/06

415 ORCHARD STREET  
SITE

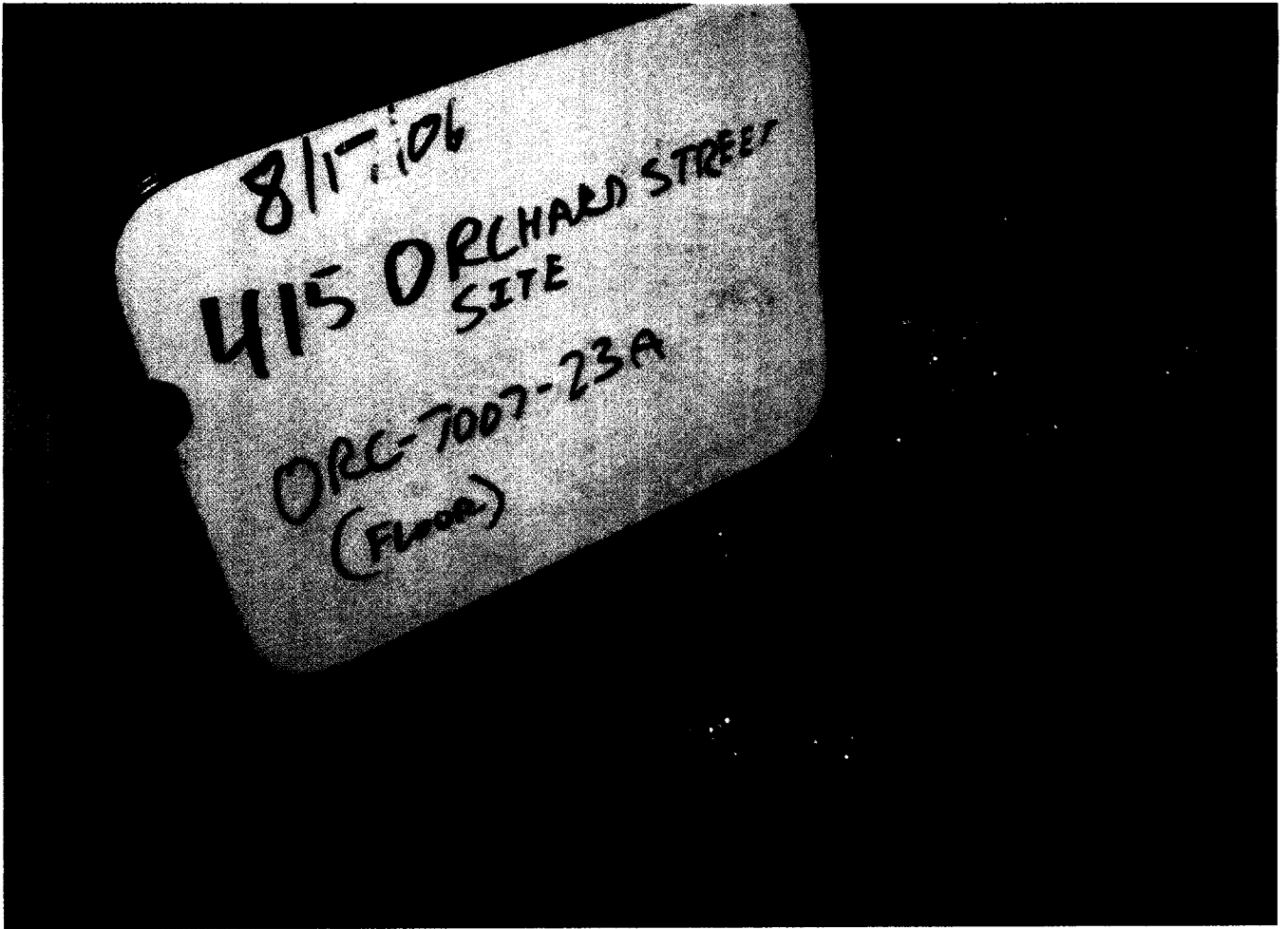
ORC-7006-20A (PAPER  
BACKING)

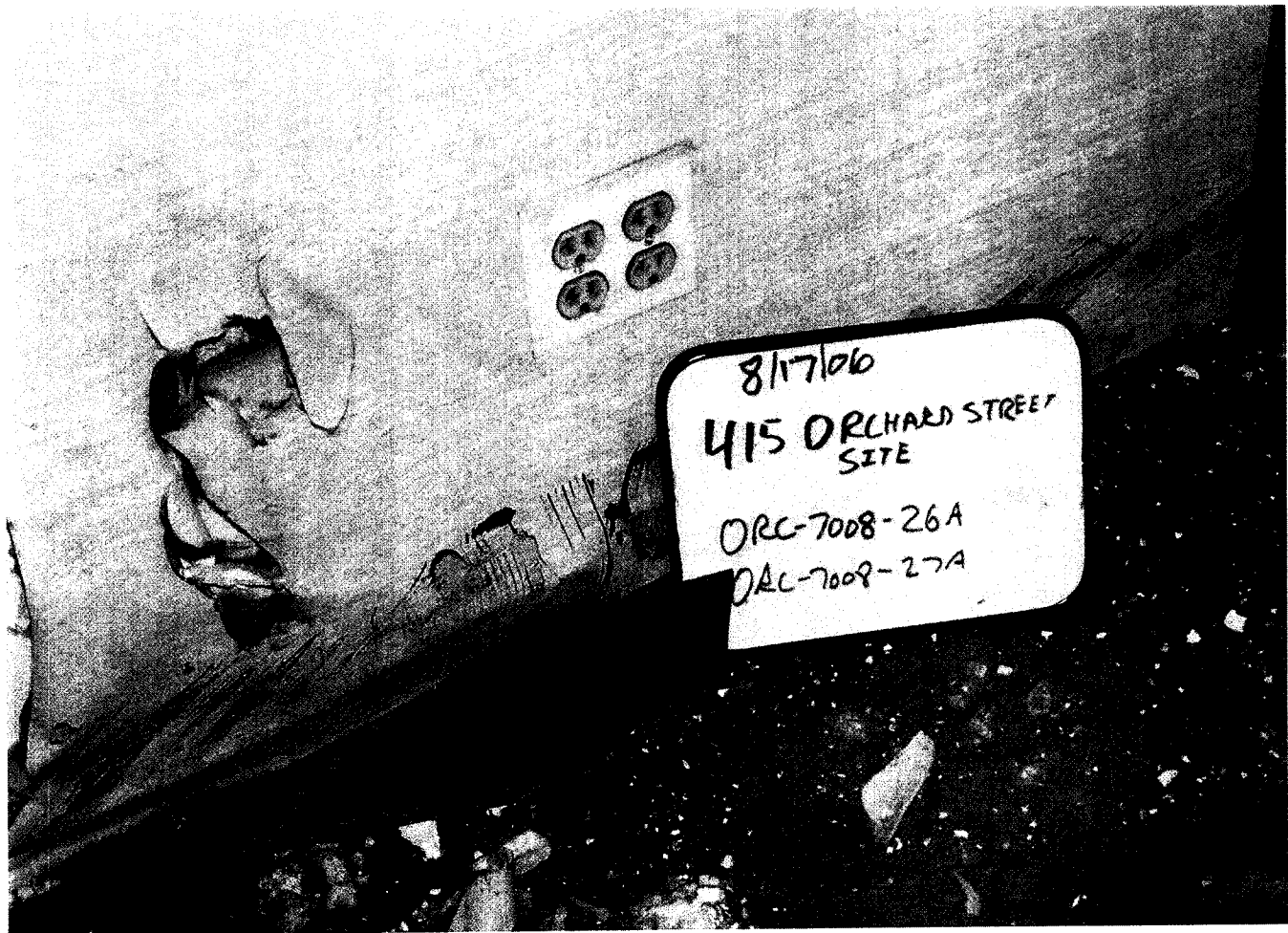
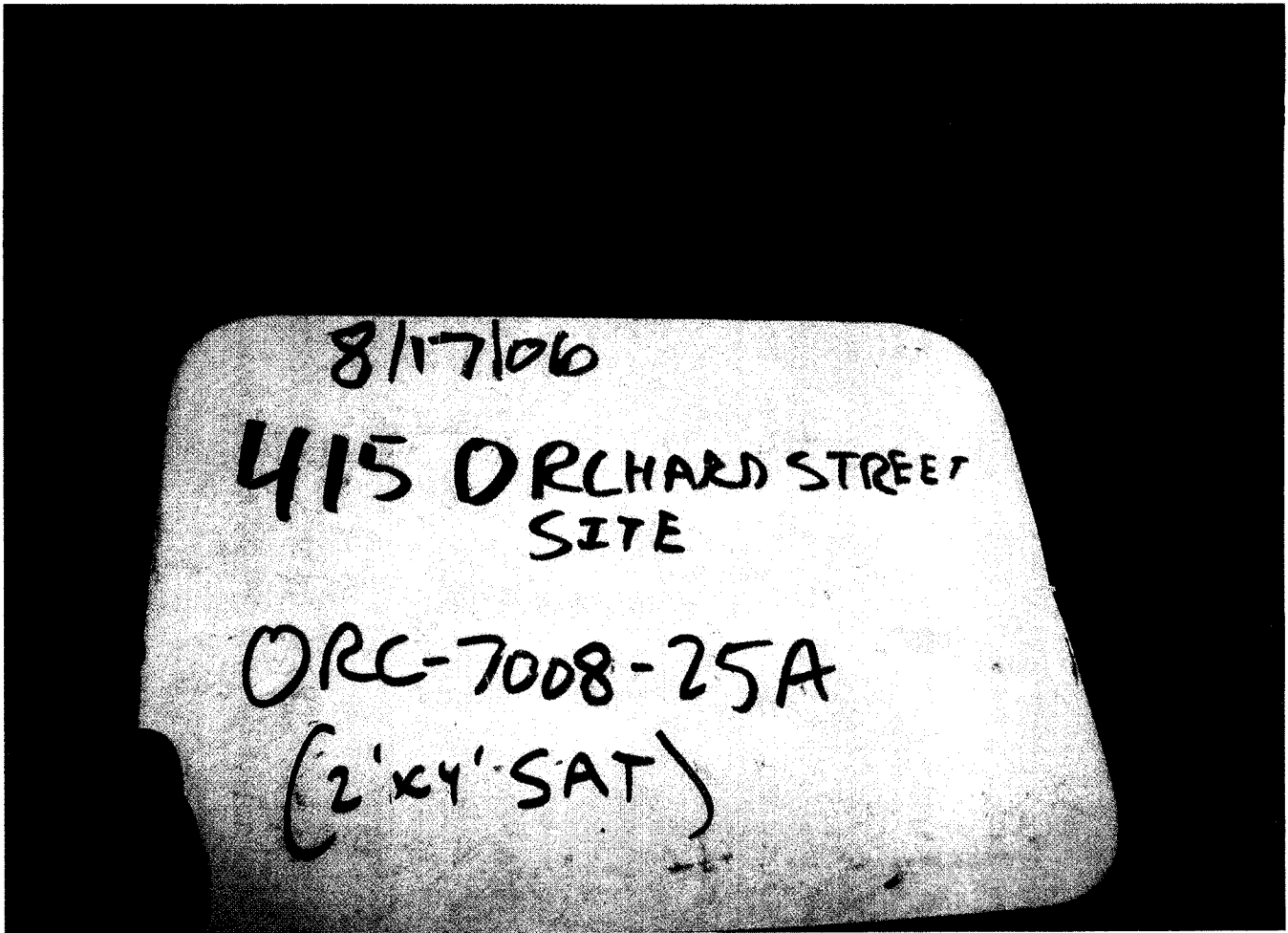
ORC-7006-21A (INSULATION)

8/17/06

415 ORCHARD STREET  
SITE

ORC-7006-22A  
(ODD GASKET)

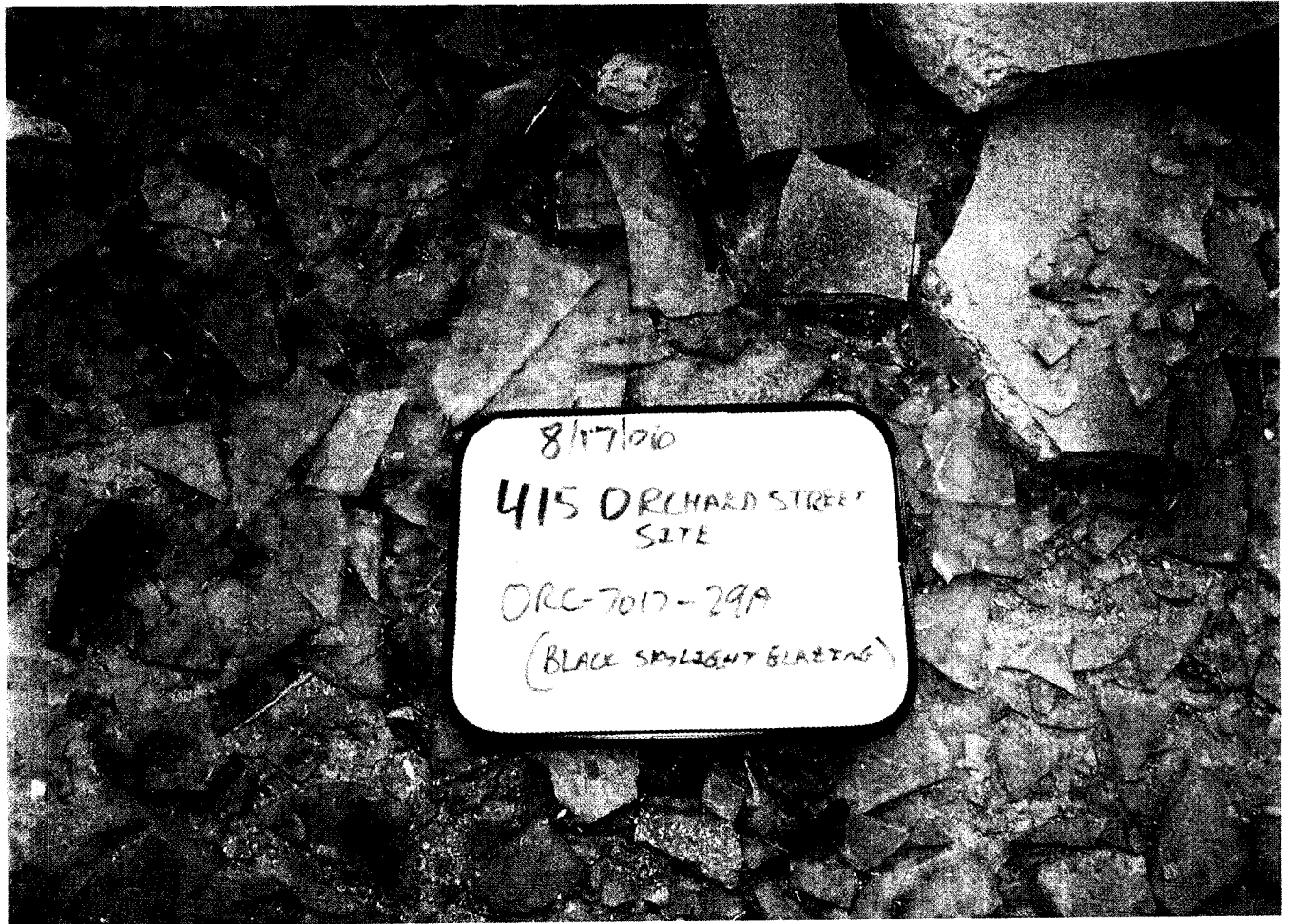








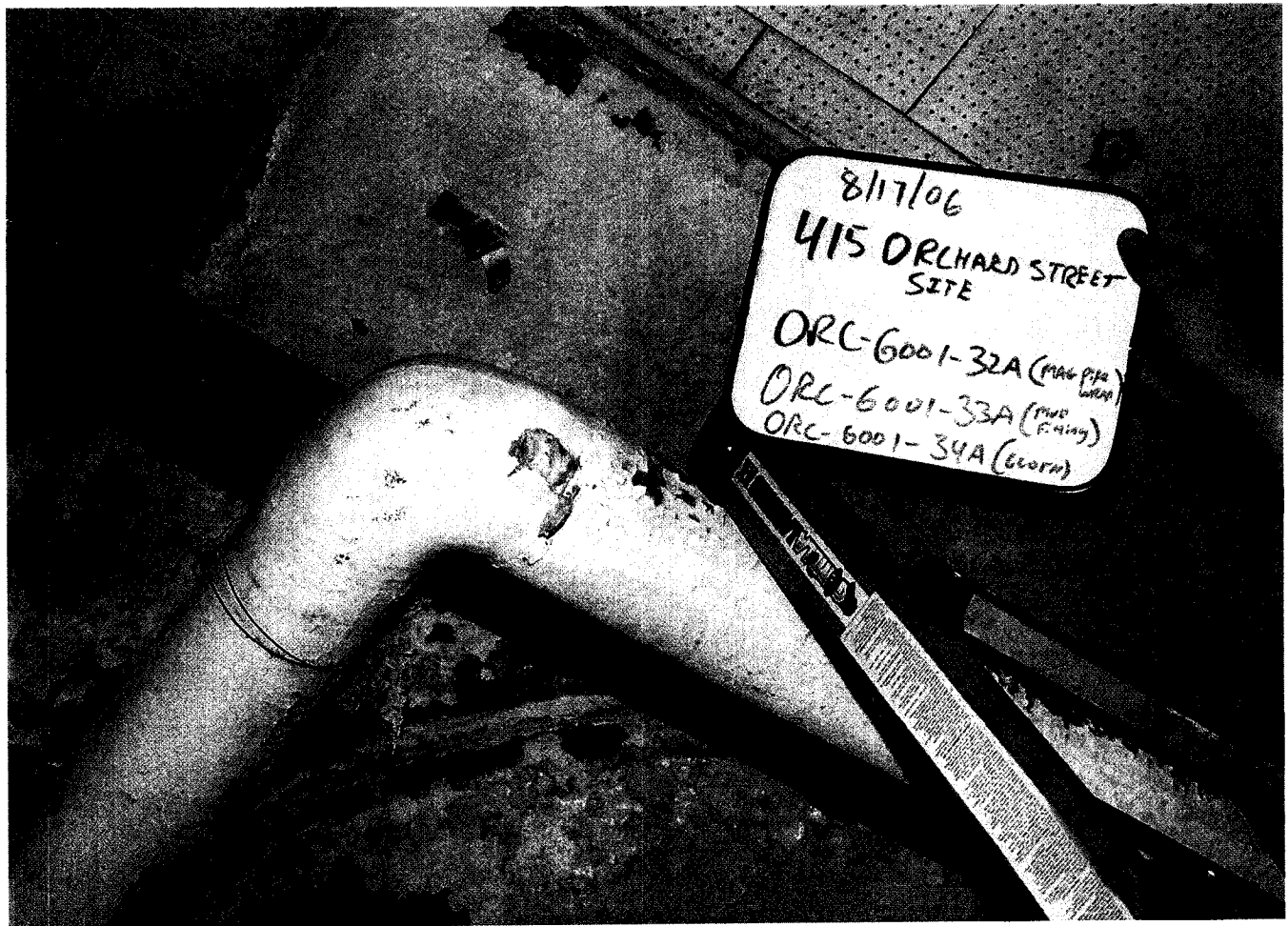
8/17/06  
415 ORCHARD STREET  
SITE  
ORC-7008-28A  
DRY WALL GLUE



8/17/06  
415 ORCHARD STREET  
SITE  
ORC-7017-29A  
(BLACK SPALL LIGHT GLAZING)



8/17/06  
415 ORCHARD STREET  
SITE  
ORC-6001-30A (ACT FILE)  
ORC-6001-31A (PUMP)



8/17/06  
415 ORCHARD STREET  
SITE  
ORC-6001-32A (MAG PIPE)  
ORC-6001-33A (MAG PILING)  
ORC-6001-34A (E-CORN)

8/17/06

415 ORCHARD STREET  
SITE

ORC-PCW-32B (CLOTH)

ORC-PCW-34B (CLOTH)

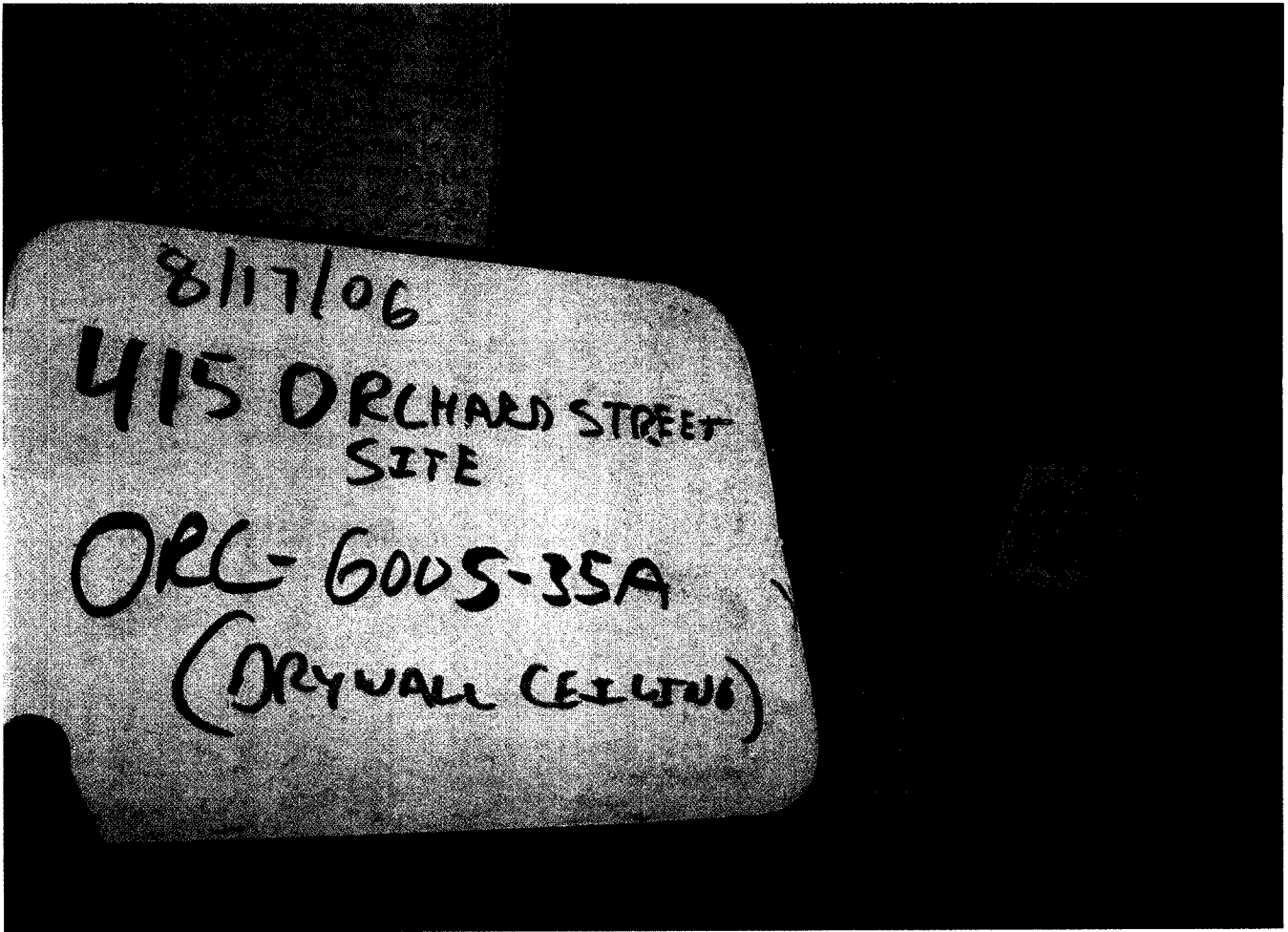
8/18/06

415 ORCHARD STREET SITE

ORC-SD18-32C (PAPER)

ORC-SD18-33C (FIBER)

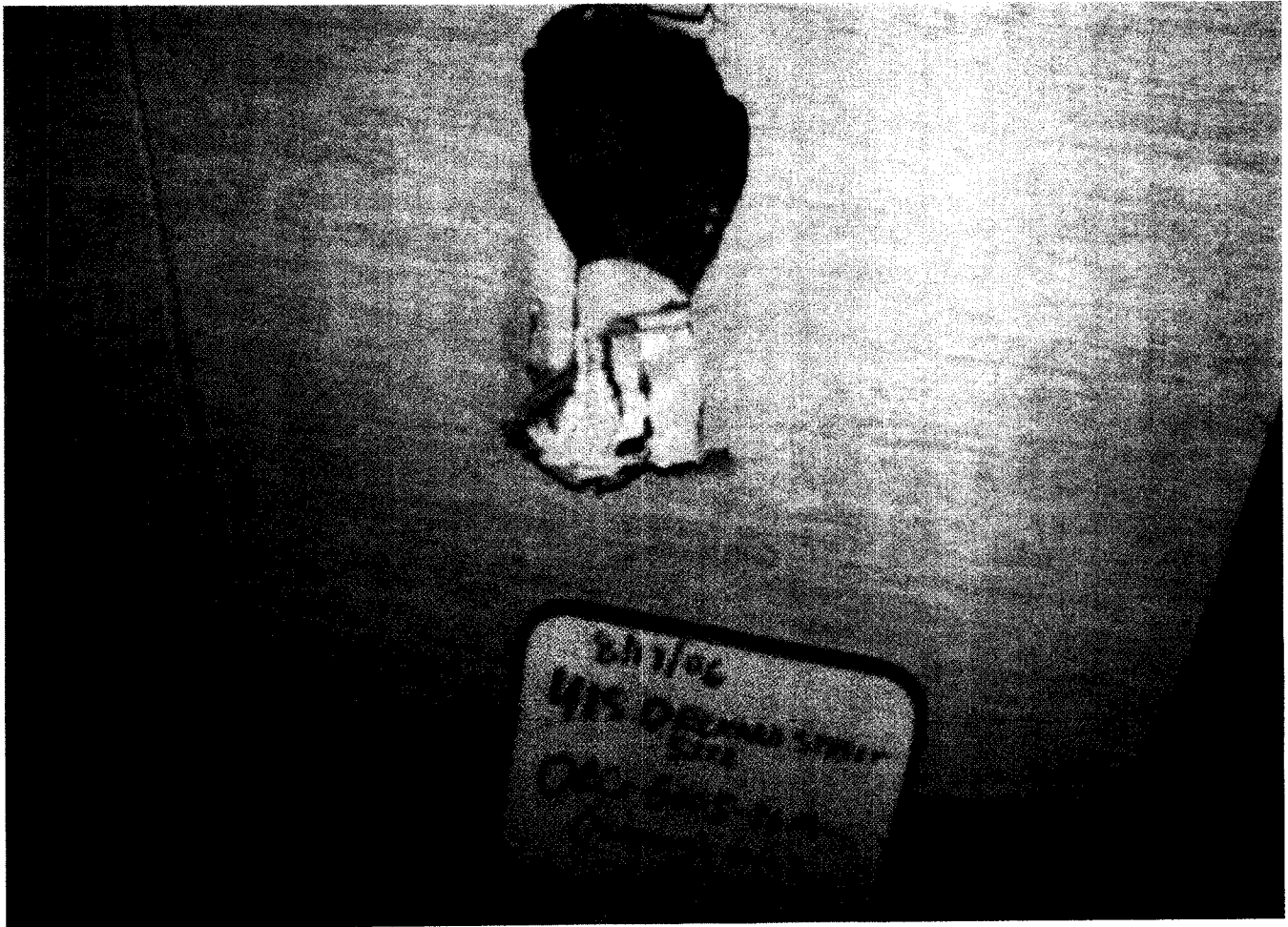
ORC-SD18-34C (CLOTH)



8/17/06

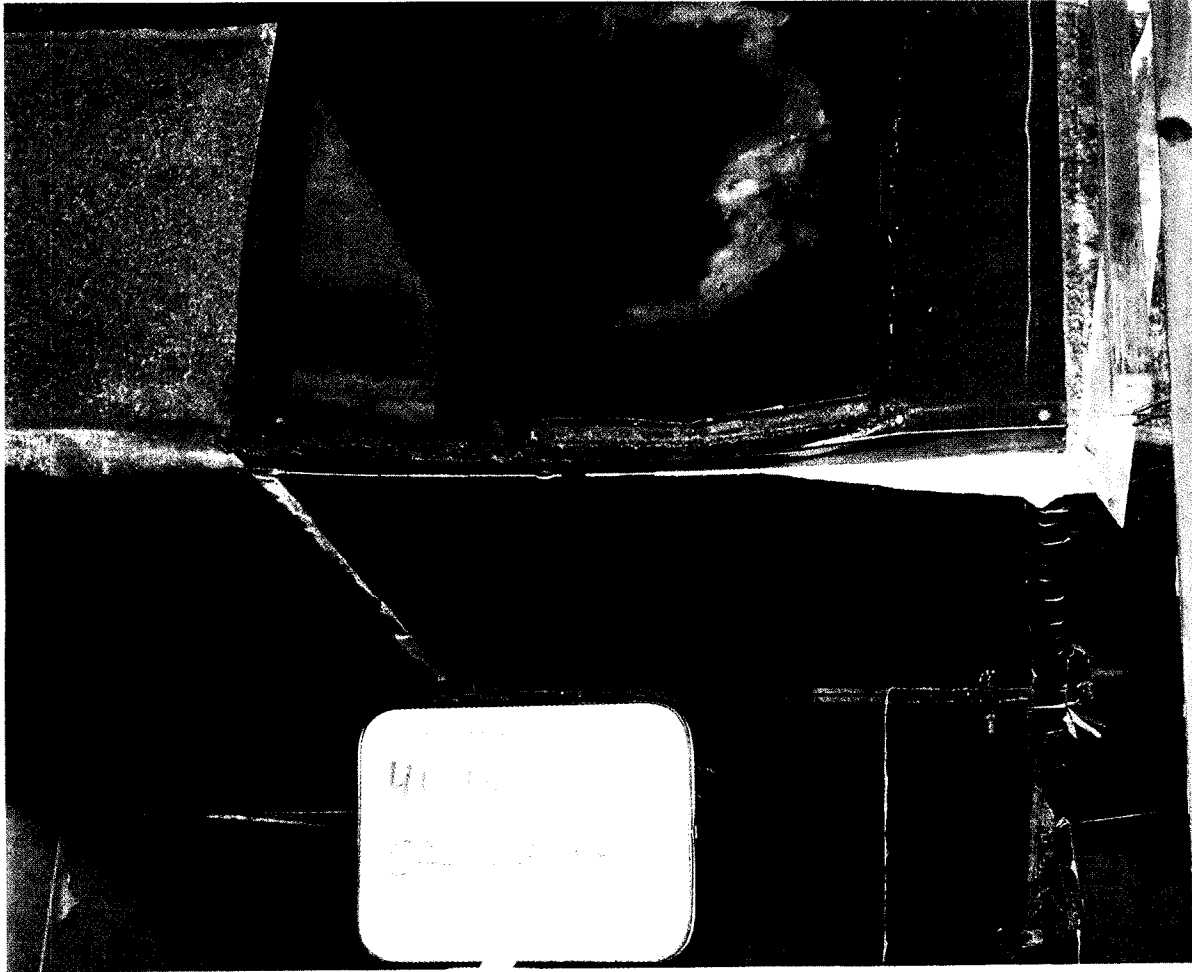
415 ORCHARD STREET  
SITE

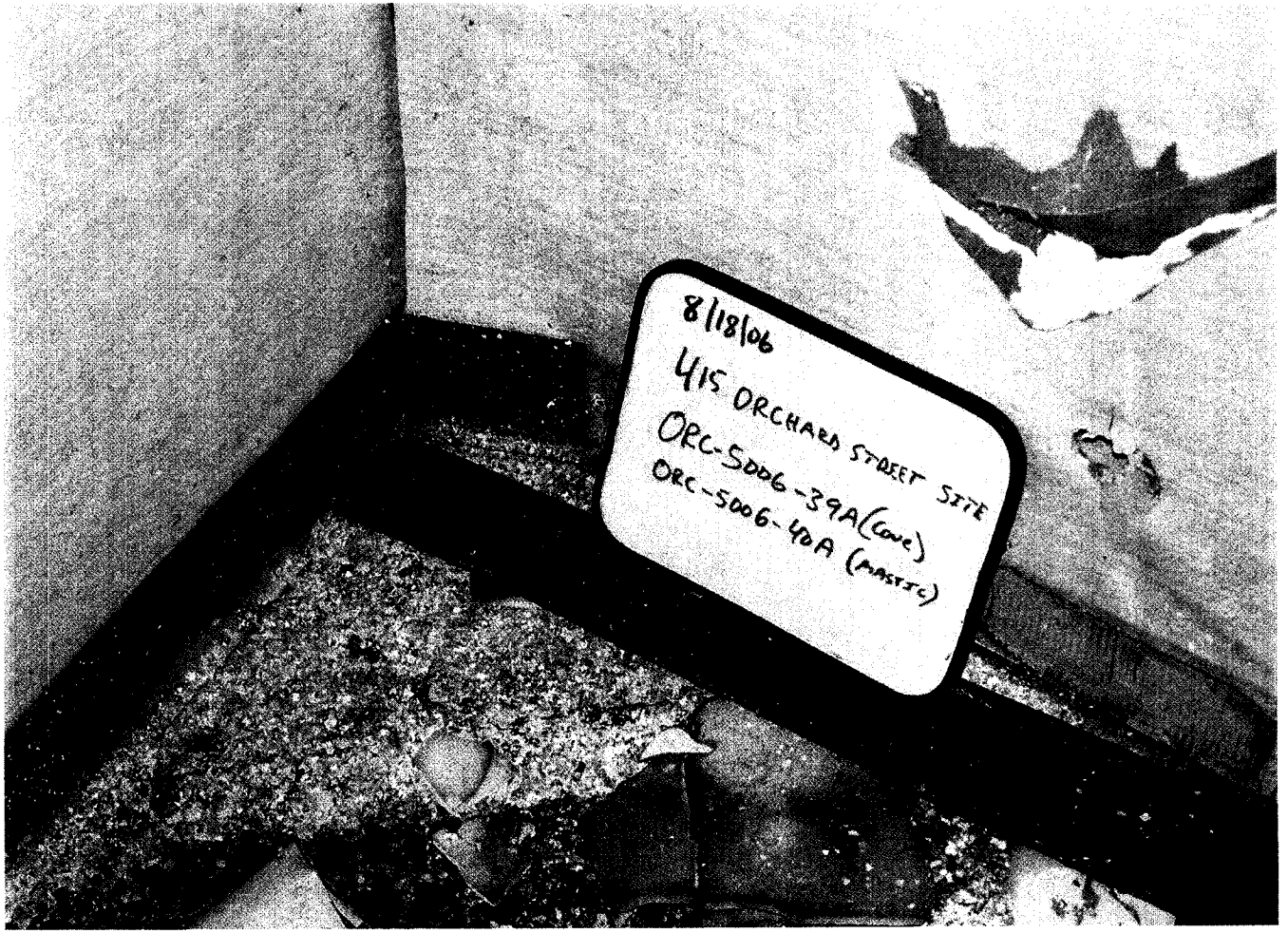
ORC-6005-35A  
(DRYWALL CEILING)



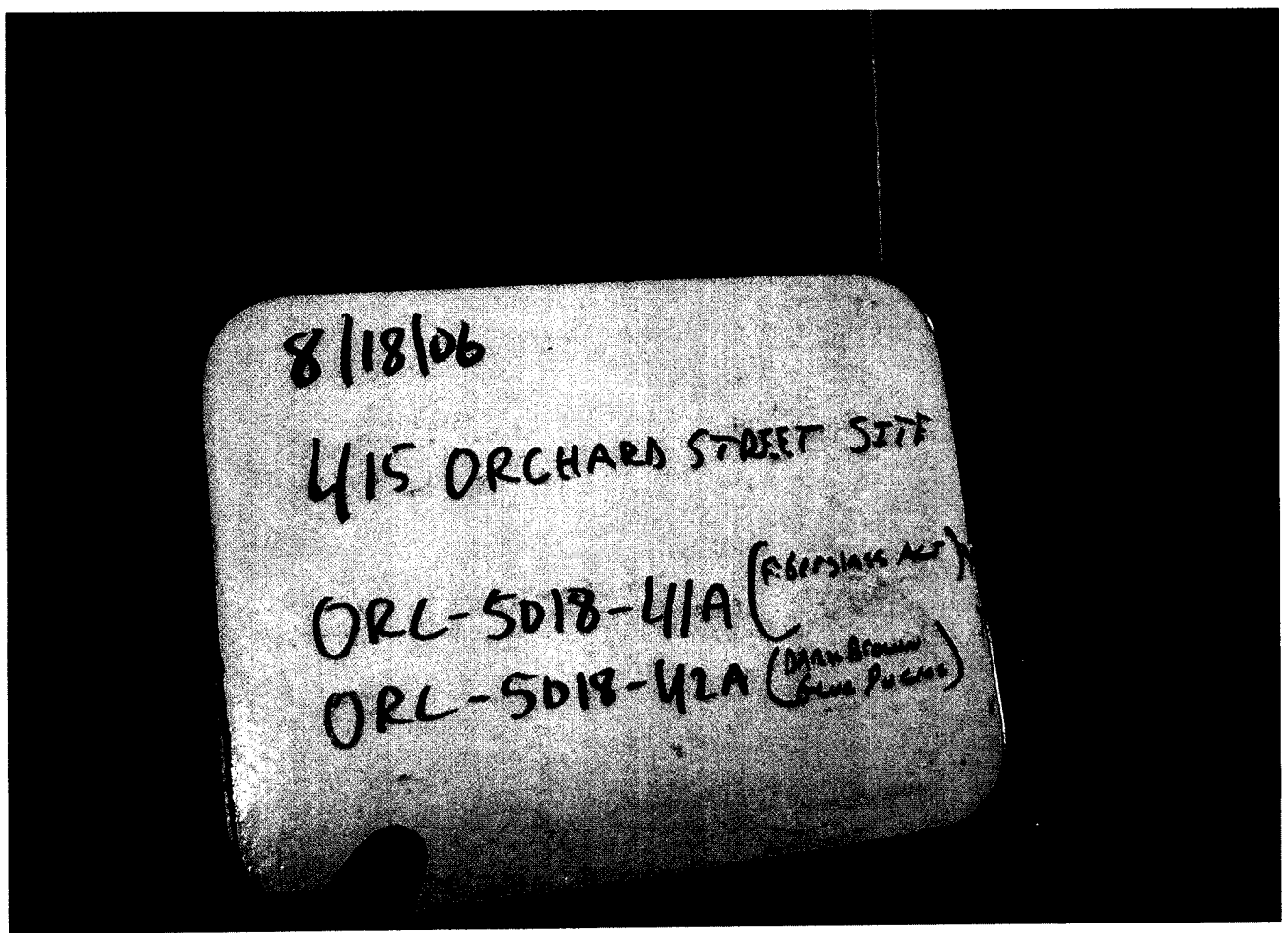
8/17/06  
415 ORCHARD STREET  
SITE  
ORC-6005-35A  
(DRYWALL CEILING)

8/17/06  
415 ORCHARD STREET  
SITE  
ORC-6008-37A





8/18/06  
415 ORCHARD STREET SITE  
ORC-5006-39A (Cove)  
ORC-5006-40A (Mastic)



8/18/06  
415 ORCHARD STREET SITE  
ORC-5018-41A (Asphaltic Mat)  
ORC-5018-42A (Dark Brown  
Stone Polishing)

8/18/06

415 ORCHARD STREET SITE

ORL-5019-43A (Brown  
F.605 Board)

8/18/06

415 ORCHARD STREET SITE

ORL-5024-44A

ORL-5024-45A

ORL-5024-46A

ORL-5024-47A

8/18/06

415 ORCHARD STREET SITE

ORC-4008-48A

(GASKET)

ORC-1011B

48B

ASBESTOS PRE-DEMO  
SURVEY

415 ORCHARD STREET  
SITE

8/23/06



8/18/06

415 ORCHARD STREET SITE

ORC-4009-49A

(BLACK SUEX CONNECTIVE)

8/18/06

415 ORCHARD STREET SITE

ORC-4010-50A

8/18/06

415 ORCHARD STREET SITE

ORC-3005-51A

(BLACK WOOD PANEL GLUE)

8/18/06

415 ORCHARD STREET SITE

ORC-3043-52A

ORC-3043-53A

(LINDSEUM + MASTIC)

8/18/06

415 ORCHARD STREET SITE

ORC-2005-54A

(2'x2' Fiberglass CEILING  
TILES)

8/18/06

415 ORCHARD STREET SITE

ORC-2006-55A

(White DUCT TAPE)

ASBESTOS PRE-DEMO  
SURVEY

415 ORCHARD STREET  
SITE

8/23/06

---

8/23/06  
ORC-105

ASBESTOS PRE-DEMO  
SURVEY

415 ORCHARD STREET  
SITE

8/23/06

---

8/23/06  
ORC-105

ASBESTOS PRE-DEMO  
SURVEY

415 ORCHARD STREET  
SITE

8/23/06

ORC-1011-  
61A

ORC-1011-  
61A

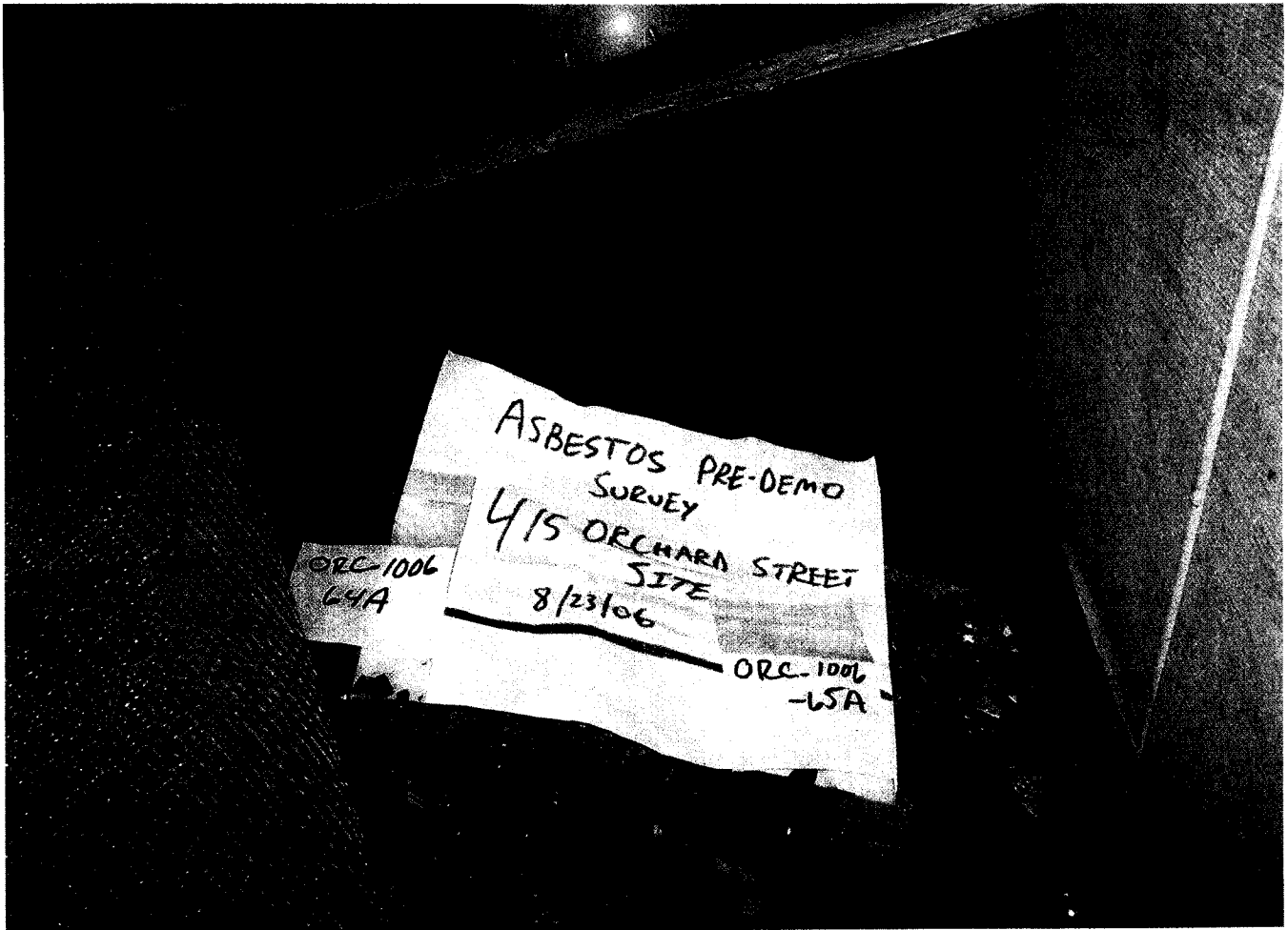
ASBESTOS PRE-DEMO  
SURVEY

415 ORCHARD STREET  
SITE

8/23/06

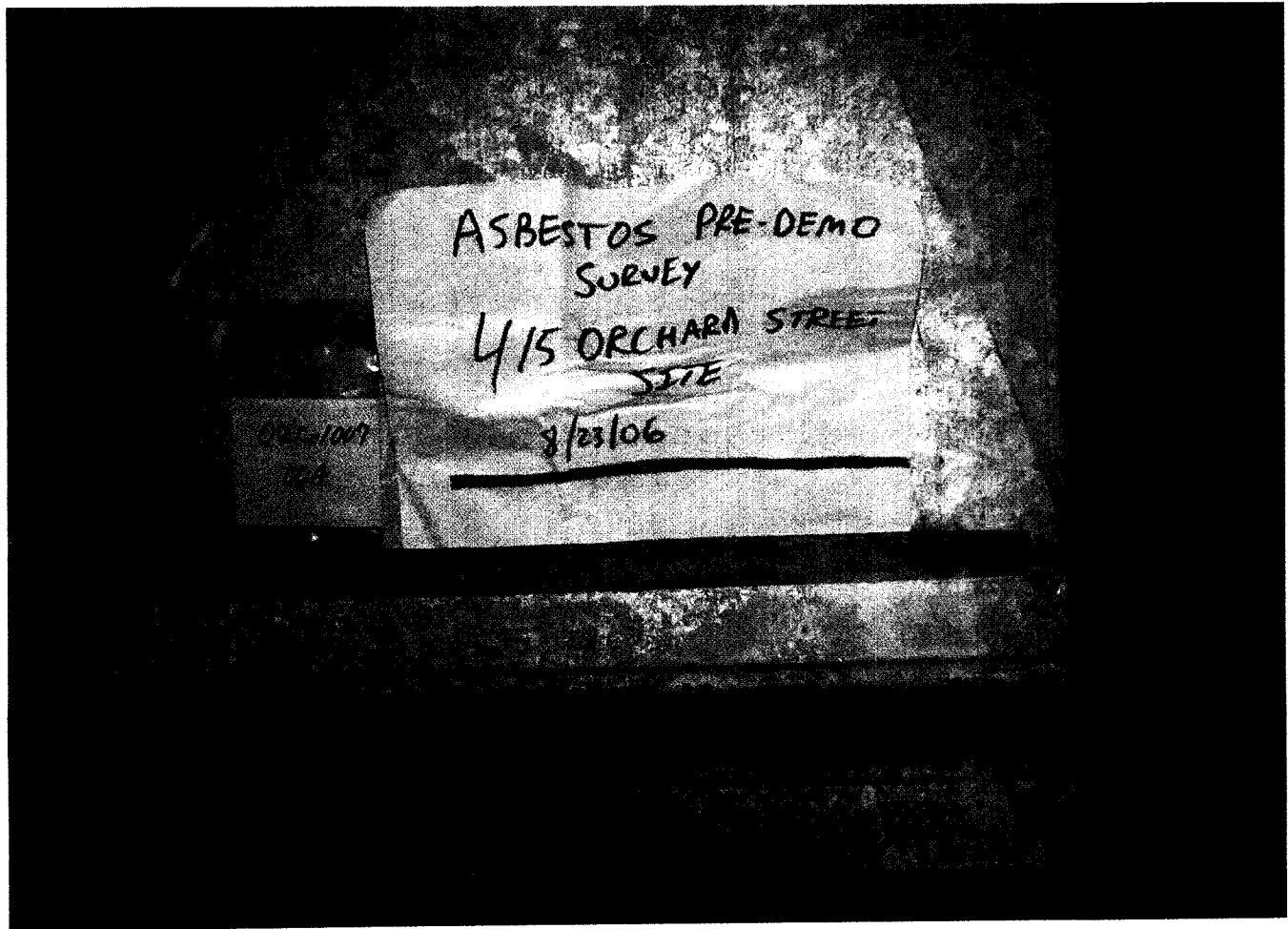
ORC-1011-  
61A

ORC-1011-  
61A



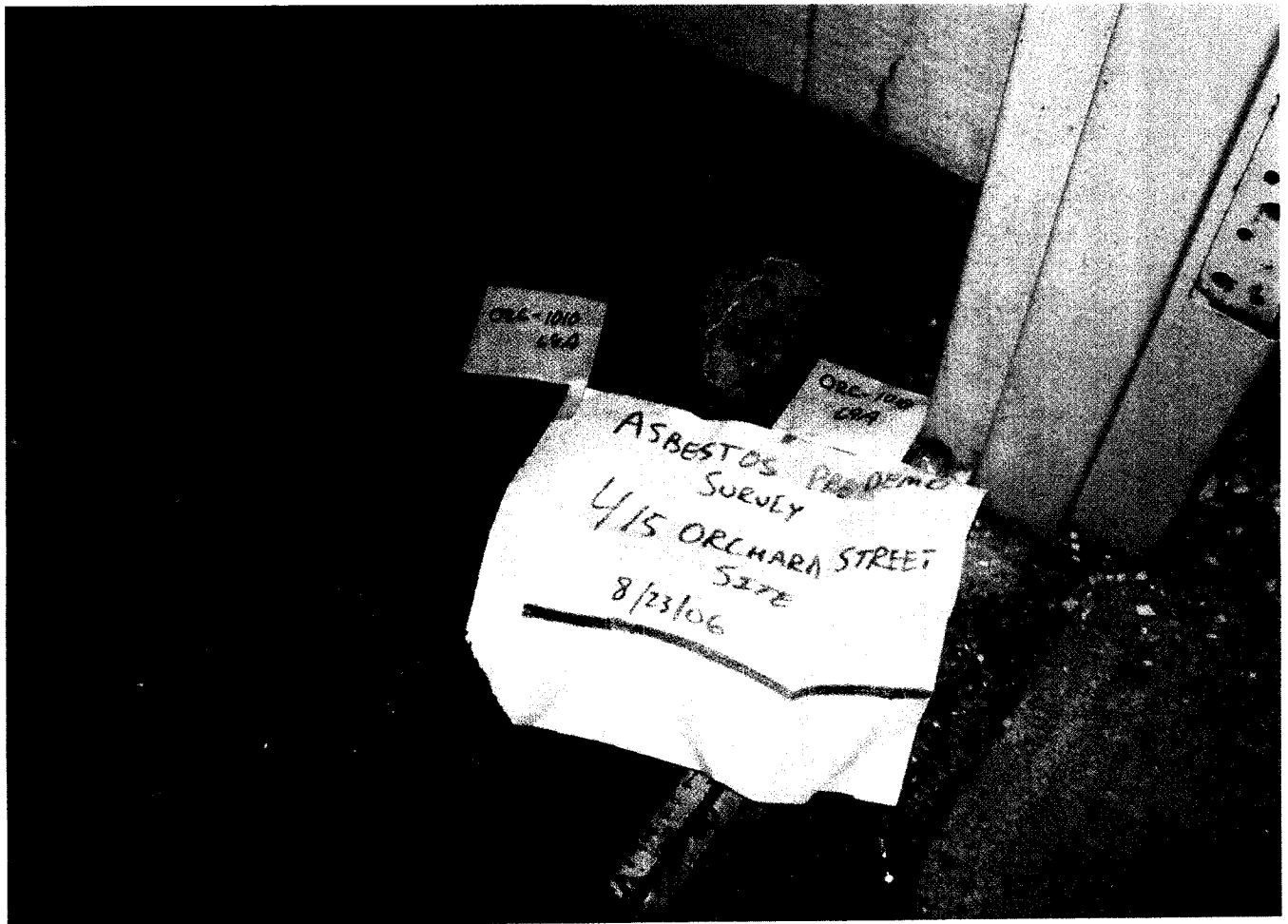
ASBESTOS PRE-DEMO  
SURVEY  
415 ORCHARD STREET  
SITE  
8/23/06  
ORC-1006  
-WSA

ORC-1006  
64A



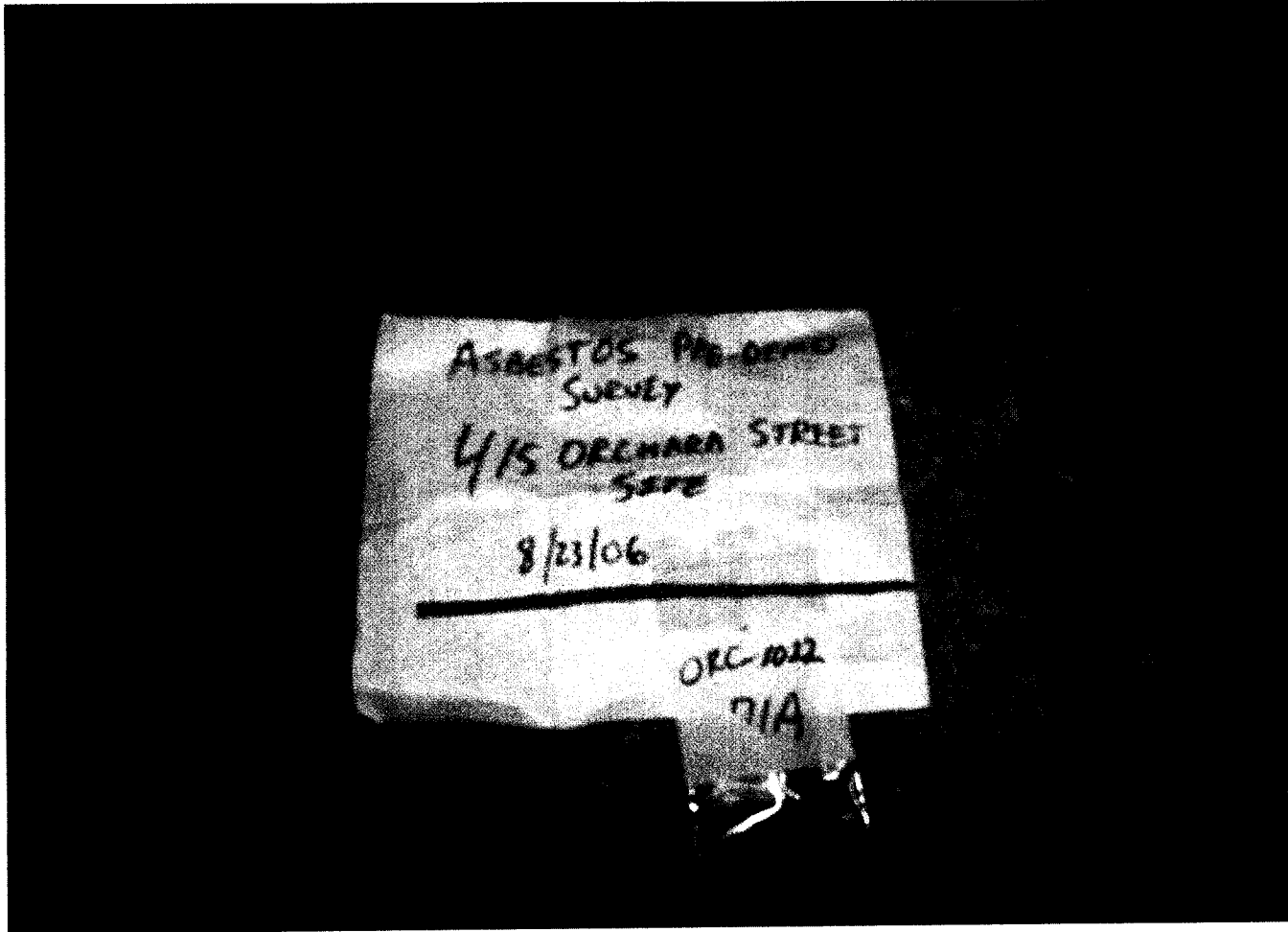
ASBESTOS PRE-DEMO  
SURVEY  
415 ORCHARD STREET  
SITE  
8/23/06  
ORC-1006  
-WSA

ORC-1006  
64A



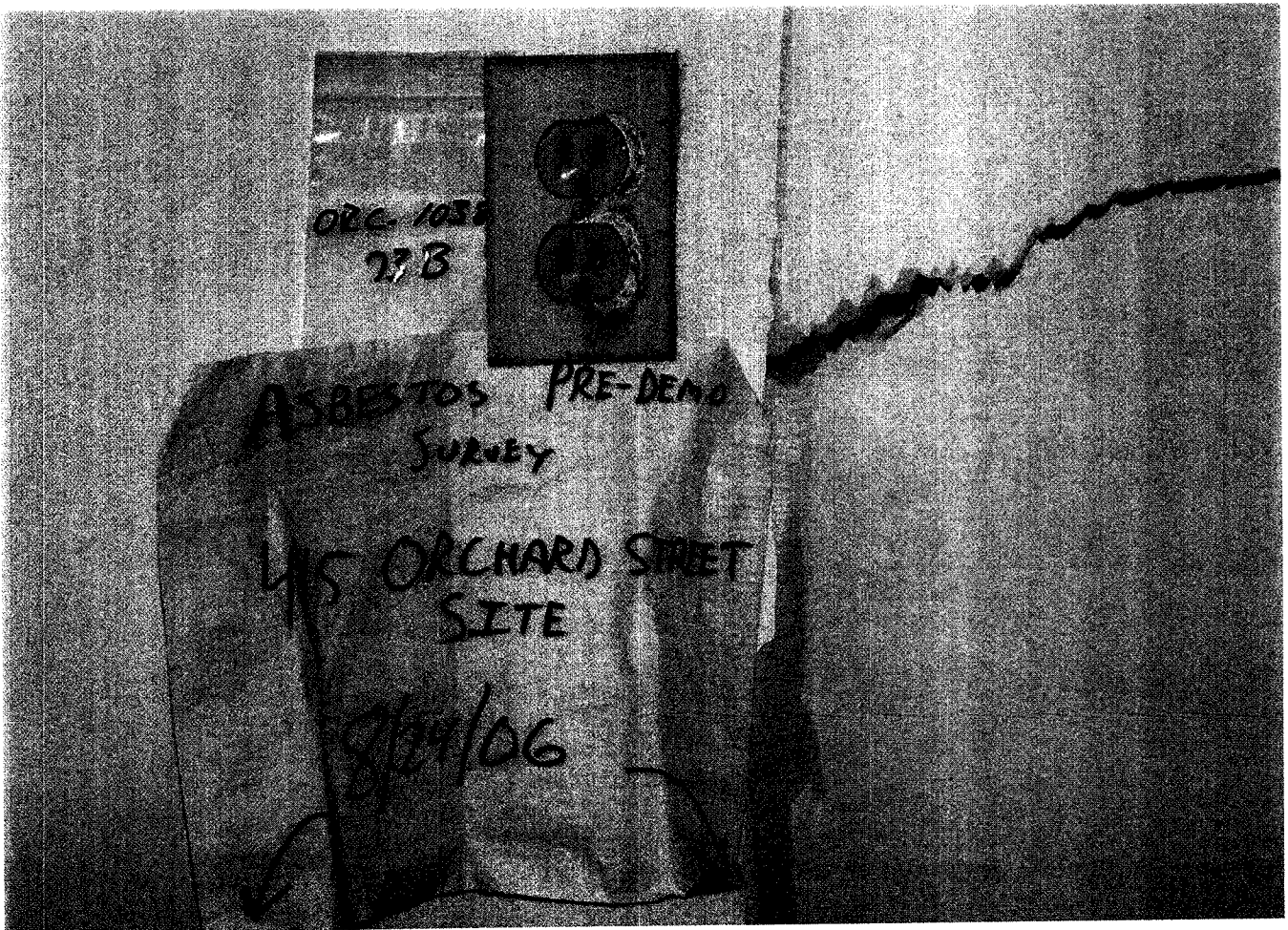
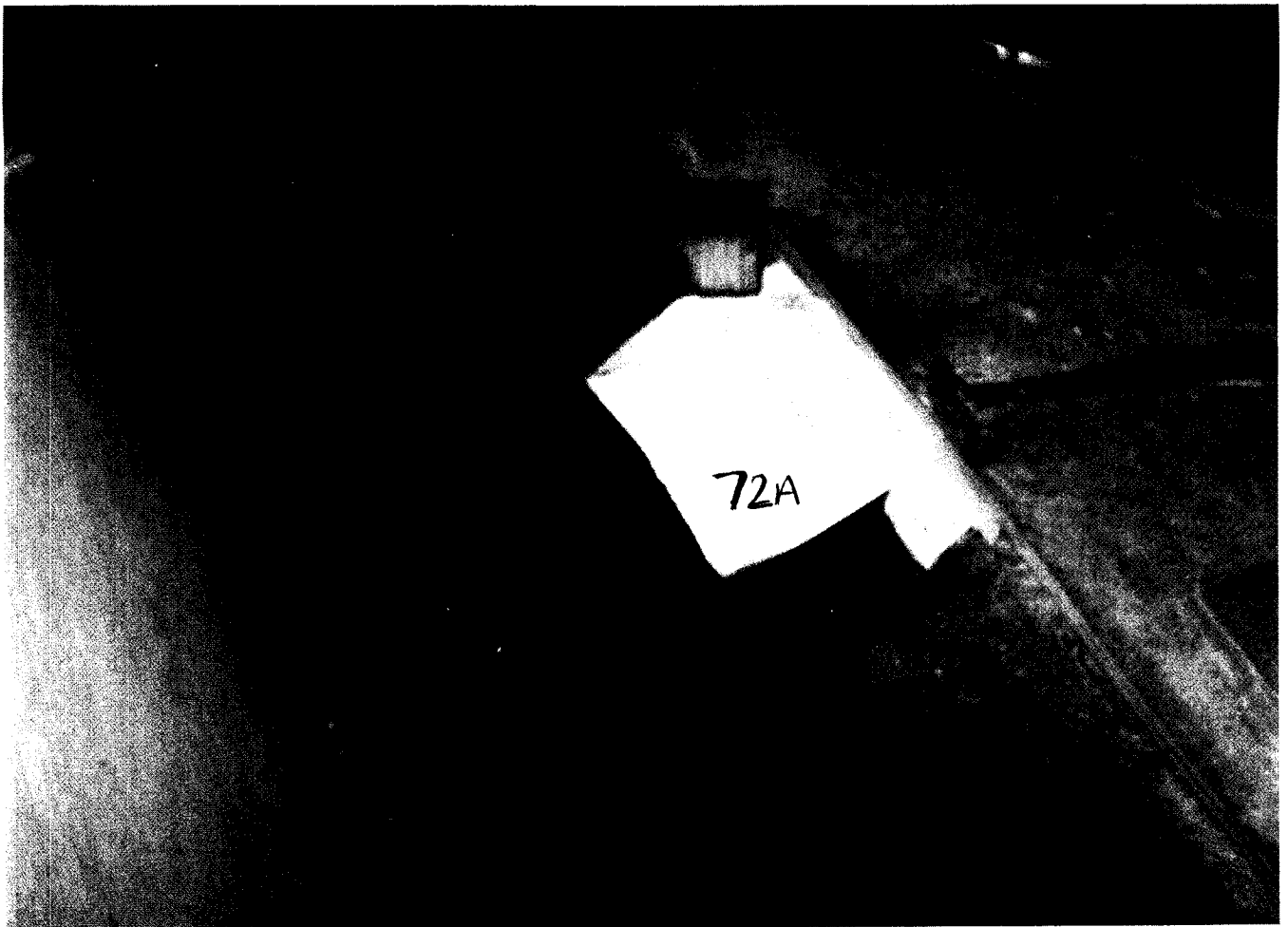


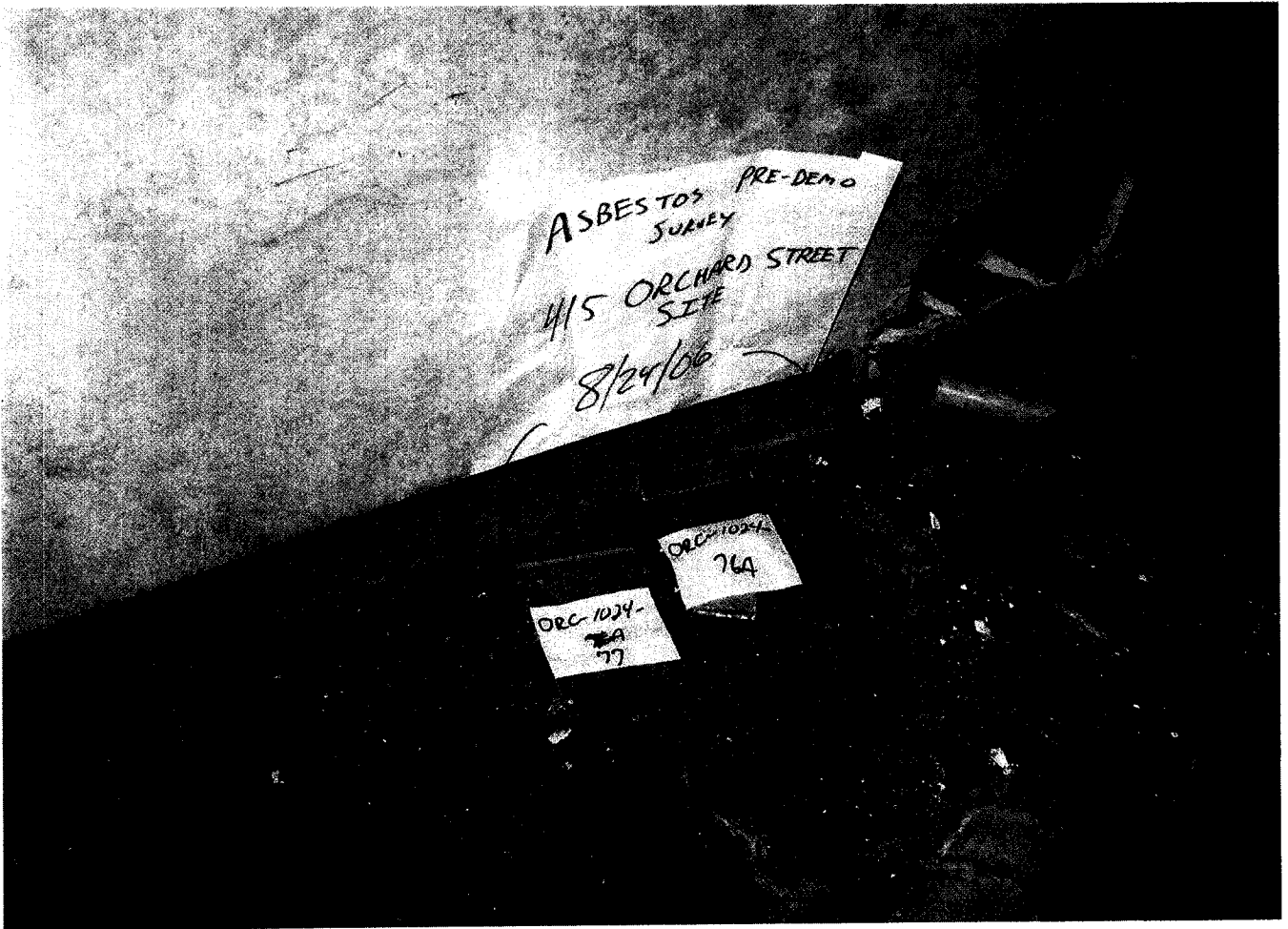
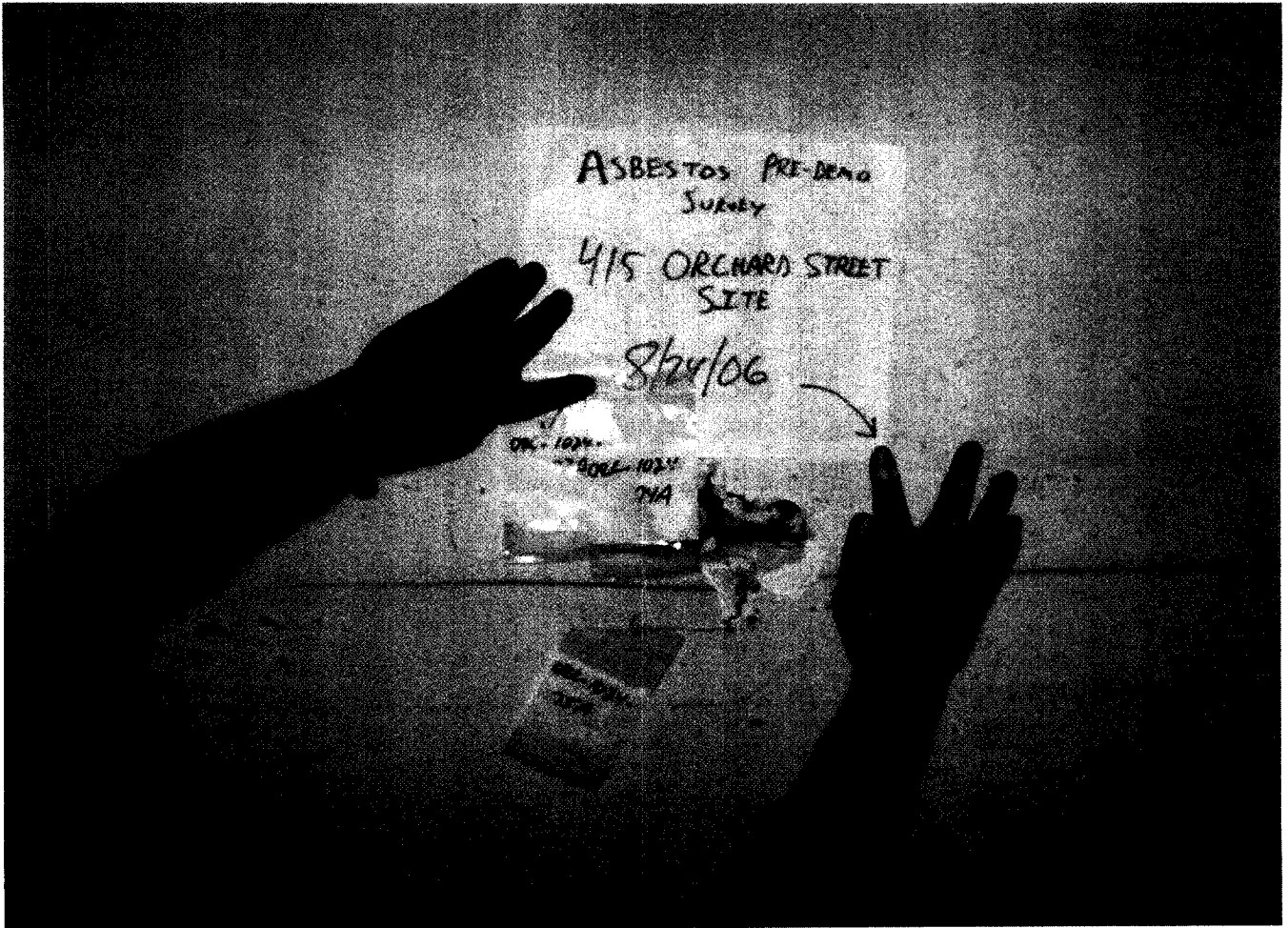
ASBESTOS PRO-Demo  
Survey  
4/15 OREHARA STREET  
SAFE  
ORC-1012  
71A

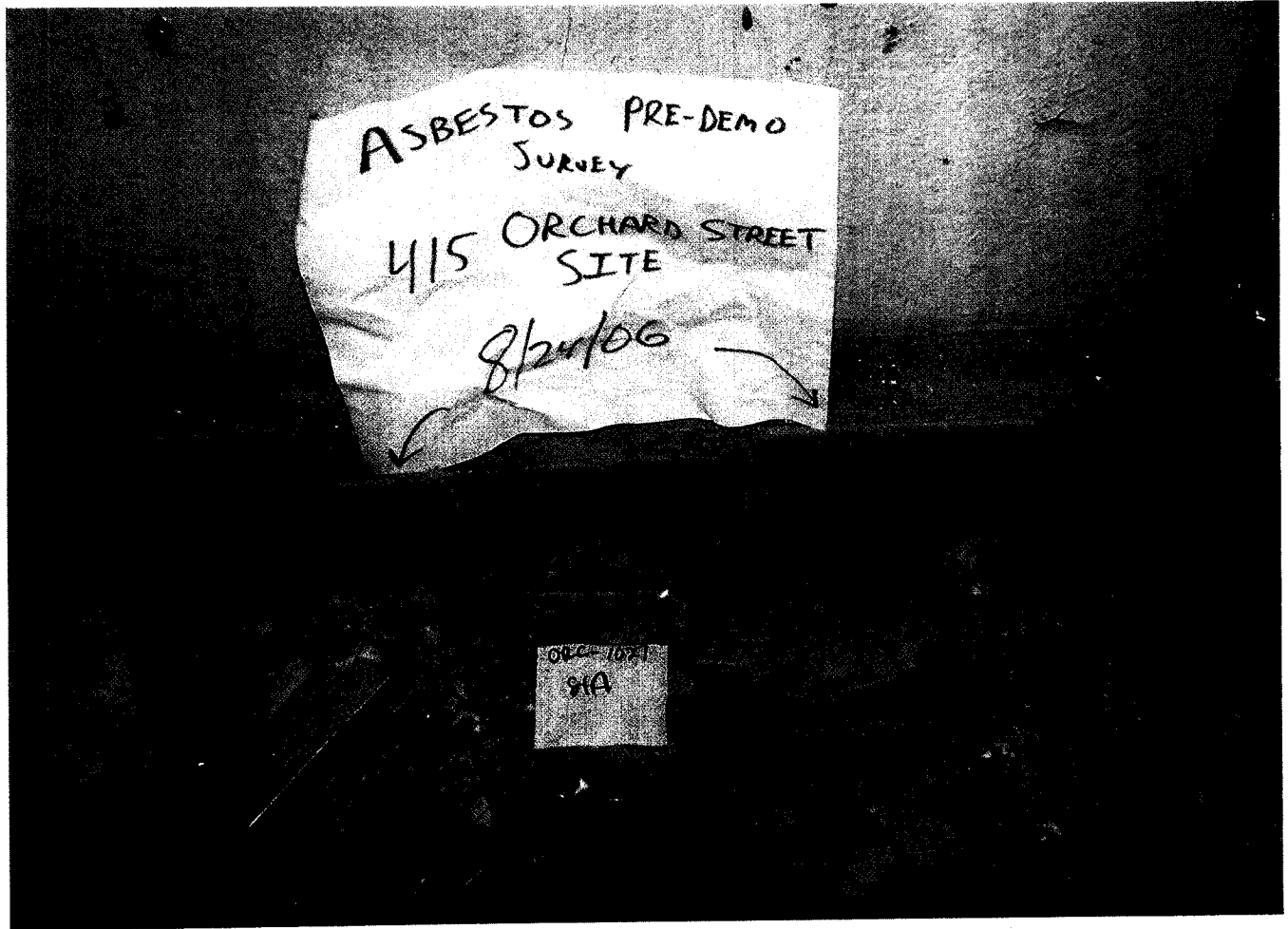
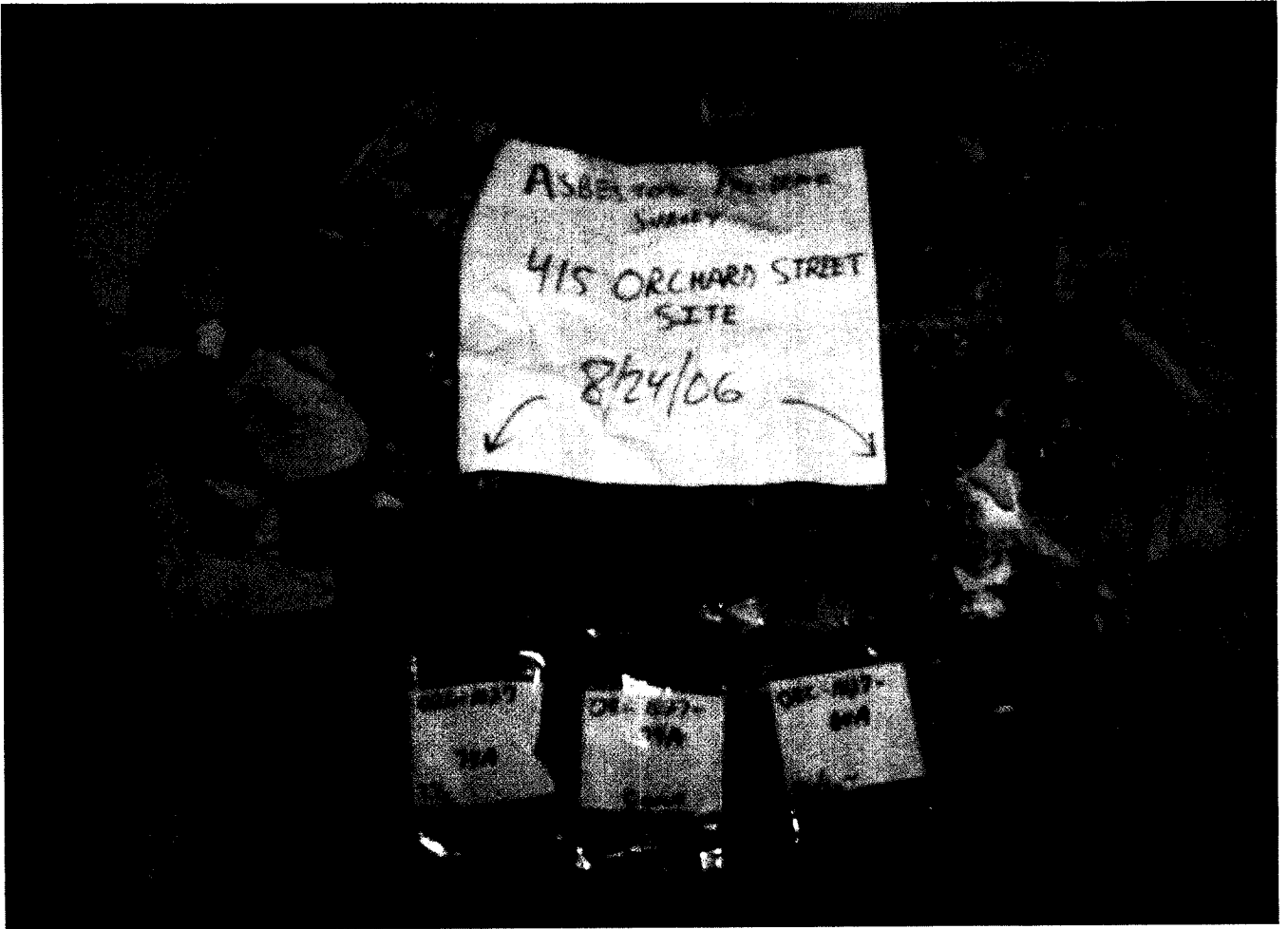


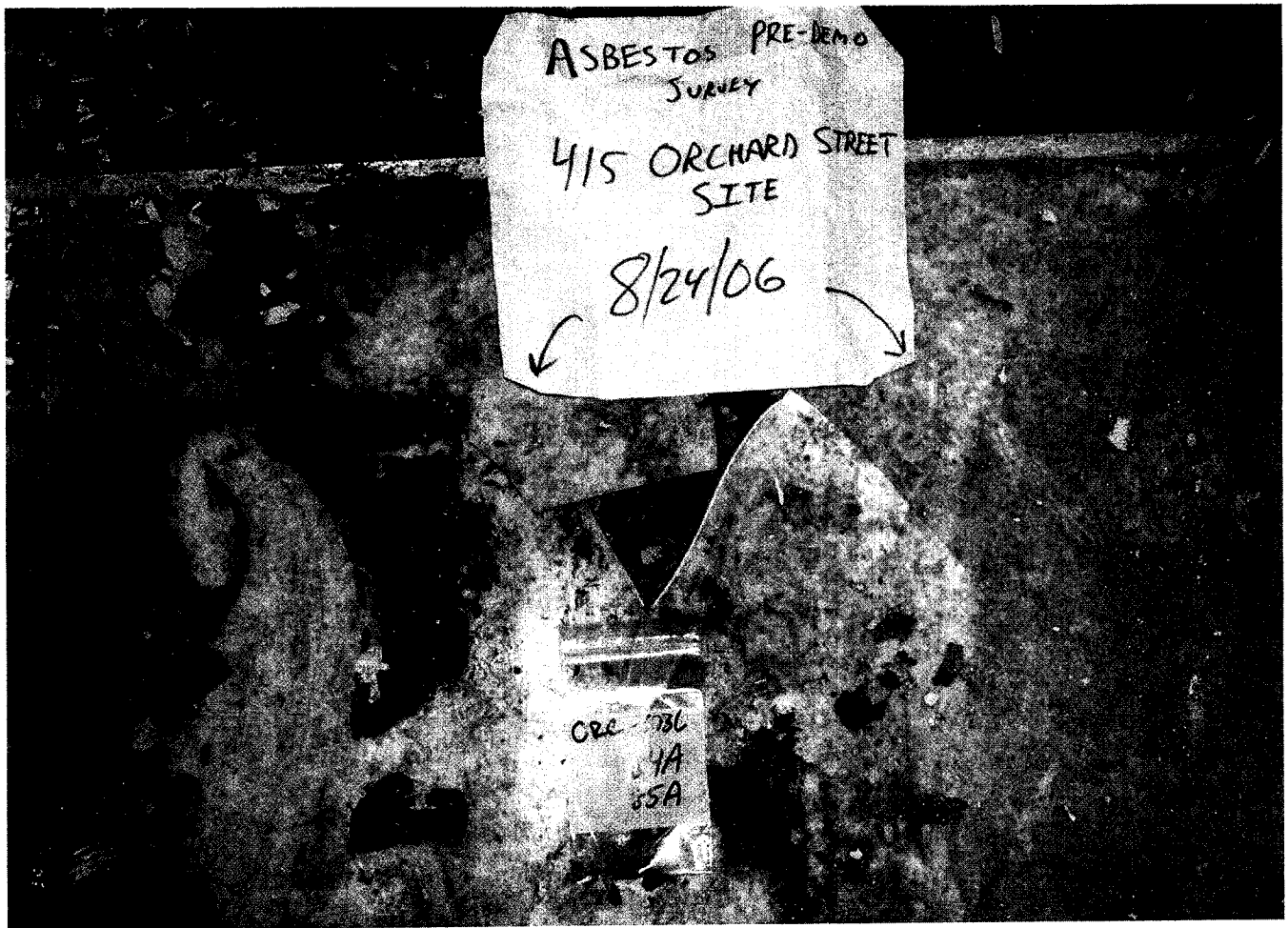
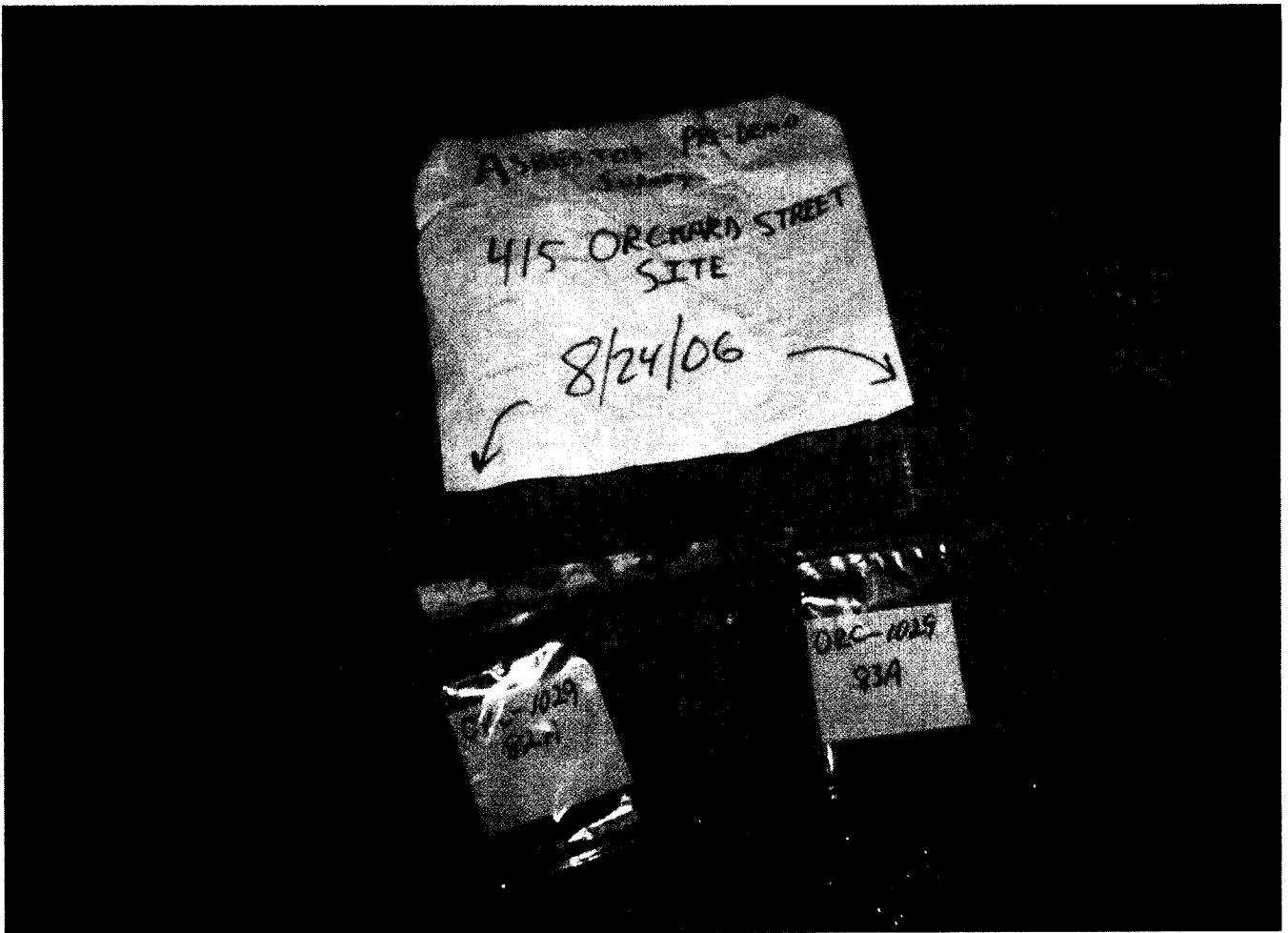
ASBESTOS PRO-Demo  
Survey  
4/15 OREHARA STREET  
SAFE  
8/23/06  
ORC-1012  
71A











Asbestos Pre-Demo  
Survey

415 Orchard Street  
Site

8/24/06

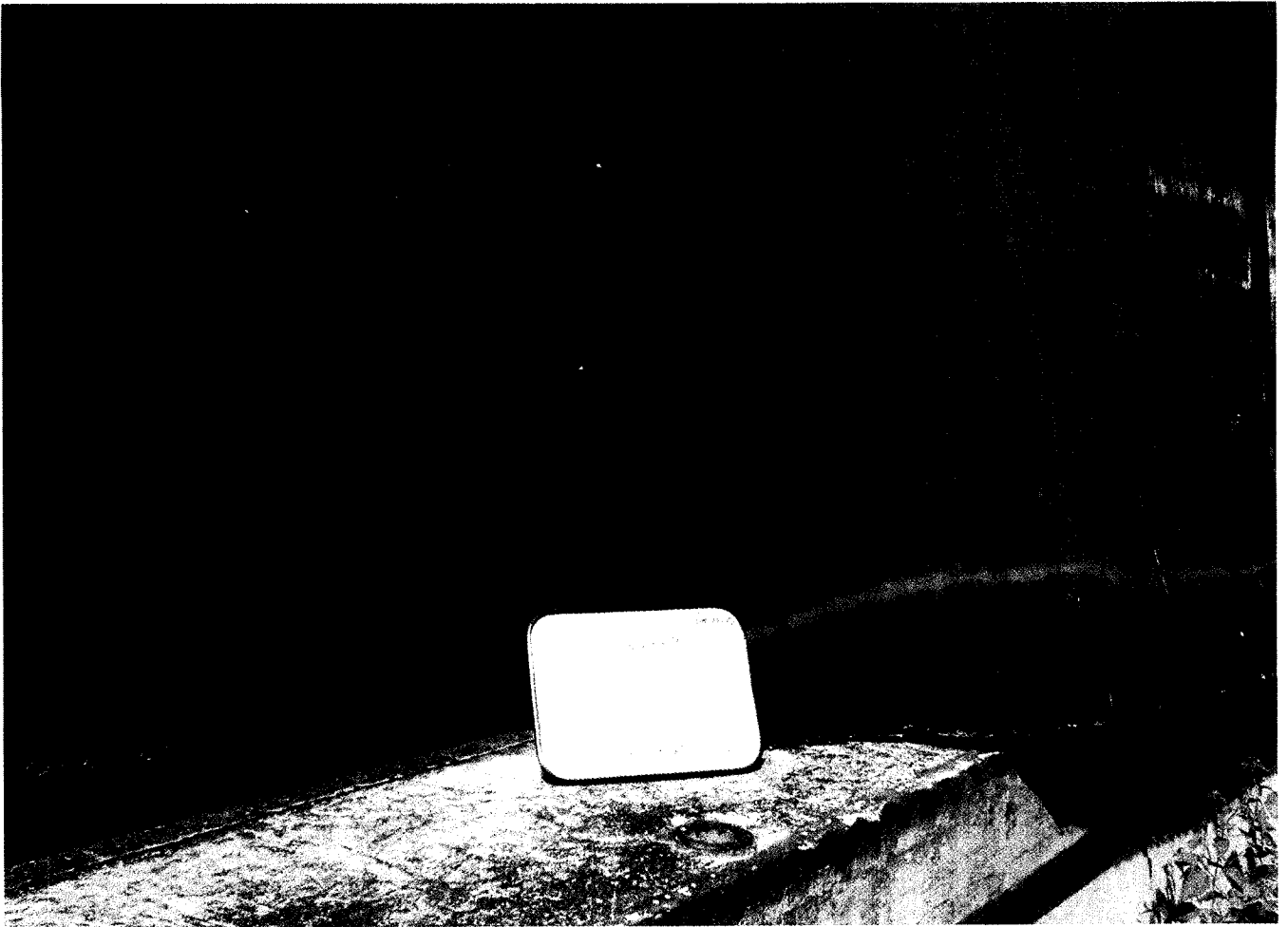
ORC-EXT-86A

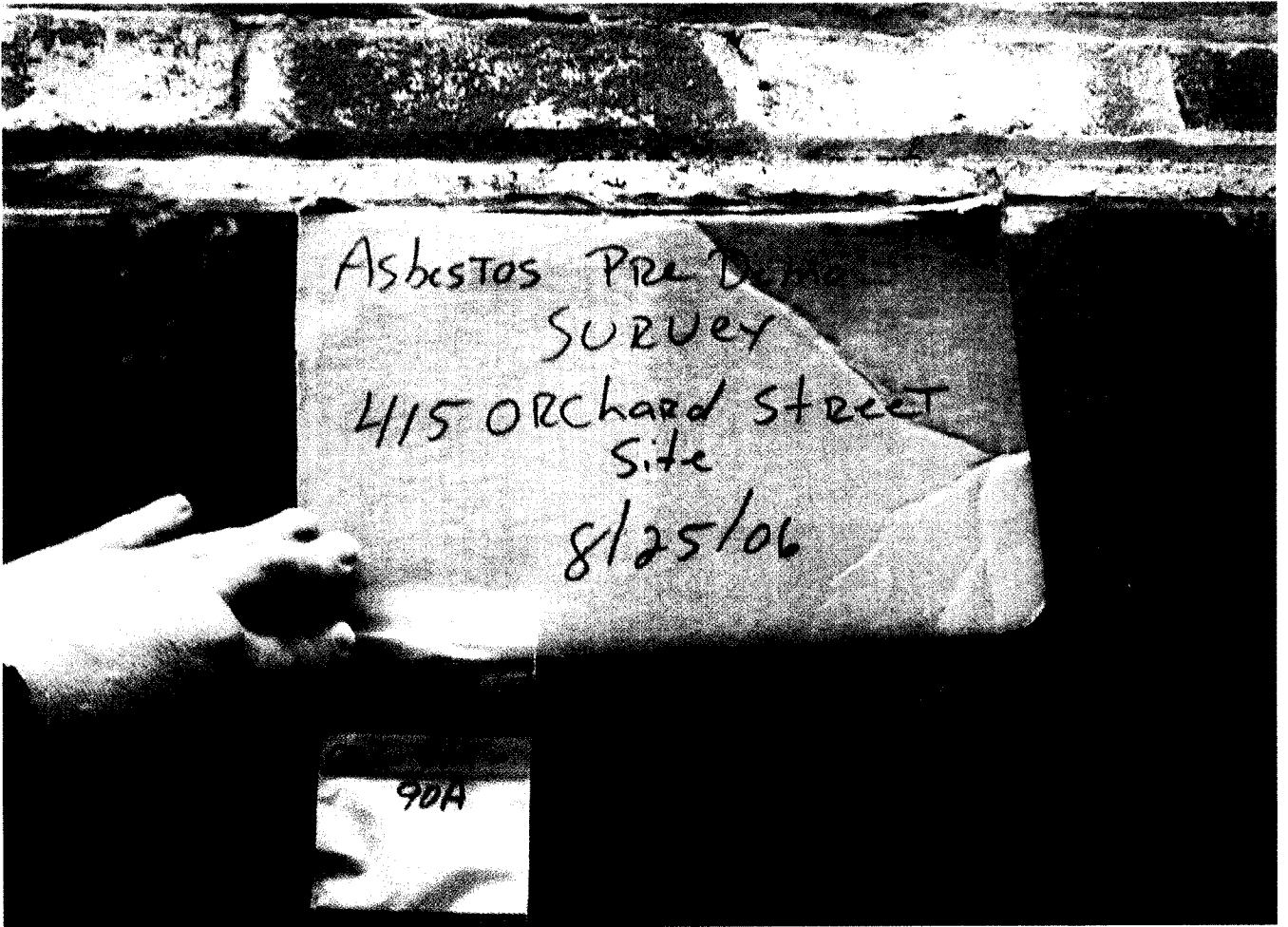
Asbestos Pre-Demo  
Survey

415 Orchard Street  
Site

8/24/06

ORC-EXT-87A





Asbestos Pre-Demo  
Survey

415 Orchard Street  
Site

8/25/06  
ORC-EXT-95A





Asbestos Pre-Demo  
Survey

415 Orchard Street  
Site

8/25/06

ORC-E+T-97A

Asbestos Pre-Demo  
Survey

415 Orchard Street  
Site

8/25/06

ORC-E+T-98A

Asbestos Free Demo  
Survey

415 Orchard Street  
Site

8/25/06

ORC-CORE #1-99A, 100A,  
101A, 102A, 103A, 104A

Asbestos Free Demo  
Survey

415 Orchard Street  
Site

8/25/06

ORC-EAT 105A

Asbestos Pre-Demo  
Survey

415 Orchard Street  
Site

8/25/06

ORC- EXT 106A

Asbestos Pre-Demo  
Survey

415 Orchard Street

8/25/06  
ORC- EXT-107A, 108A

Asbestos Pre-Demo  
Survey

415 Orchard Street  
Site

8/25/06

ORC - EXT 109A

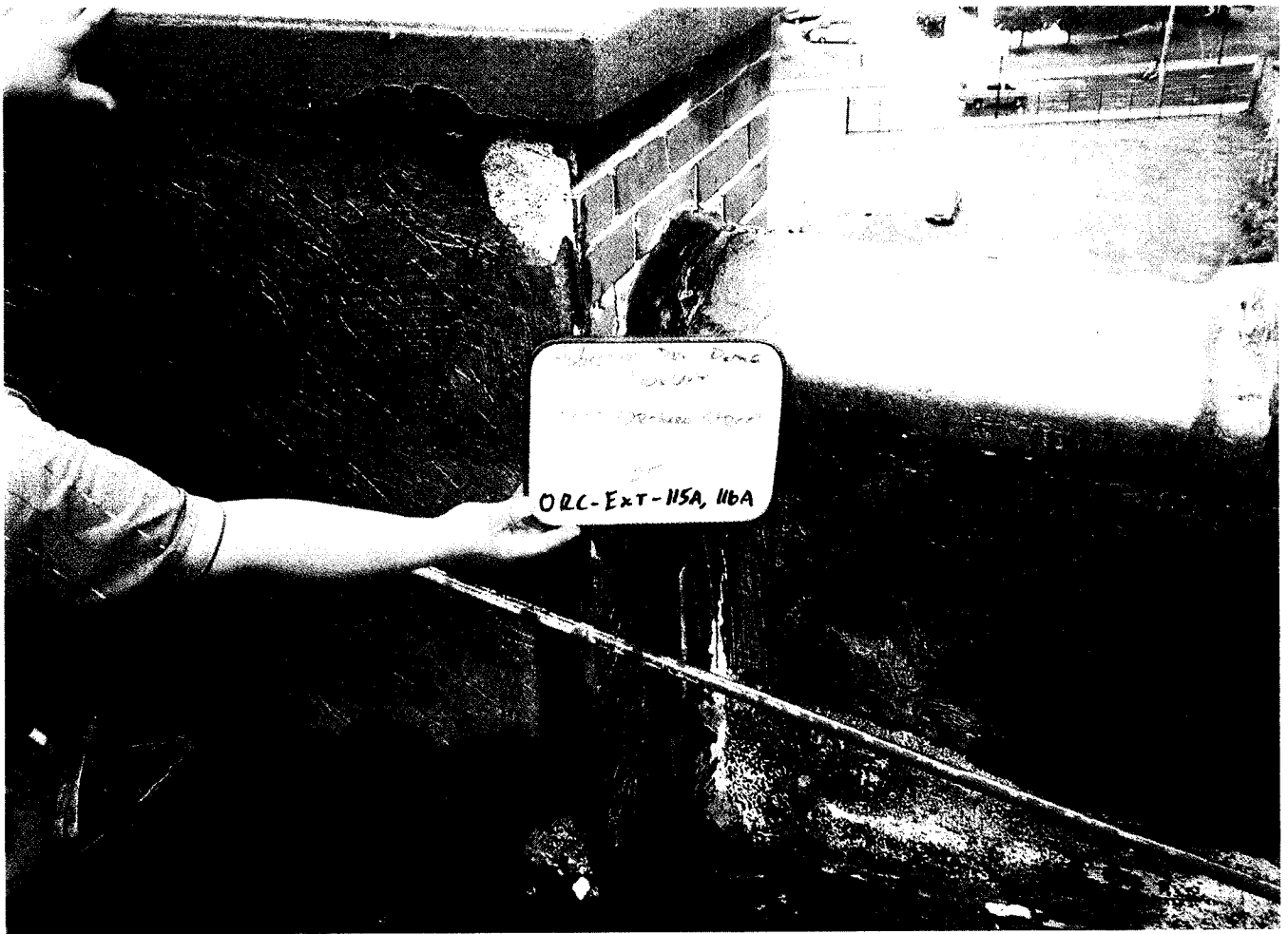
Asbestos Pre-Demo  
Survey

415 Orchard Street  
Site

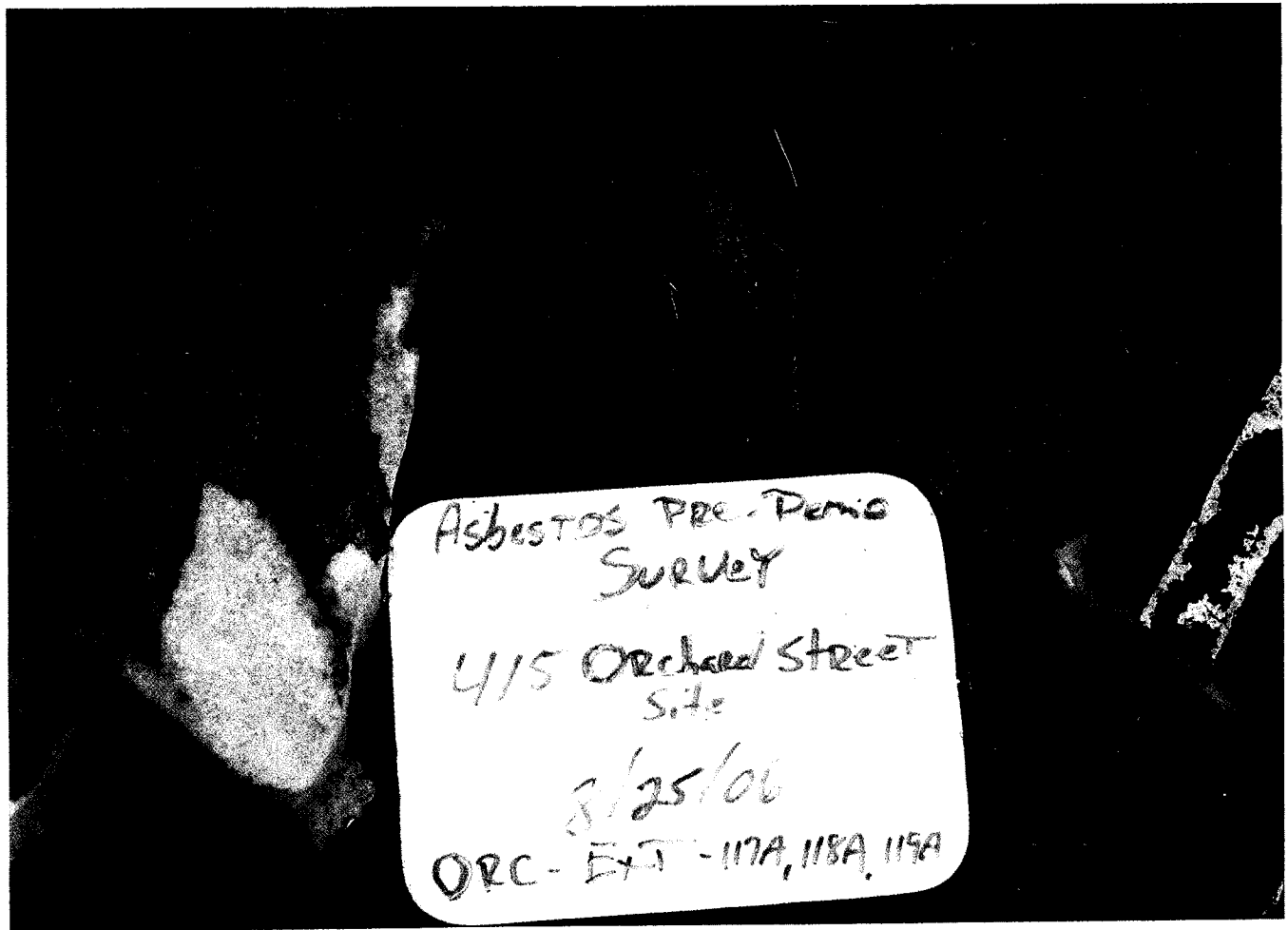
8/25/06

ORC - Core 2 - 110A, 111A, 112A,

113A



Asbestos Pre-Remediation  
Survey  
4/15 Orchard Street  
Site  
8/25/06  
ORC-EXT-115A, 116A



Asbestos Pre-Remediation  
Survey  
4/15 Orchard Street  
Site  
8/25/06  
ORC-EXT-117A, 118A, 119A

Asbestos Pre-Demo  
Survey

415 Orchard Street  
Site

8/25/06

ORC - Core 4 120A, 121A, 122A  
123A, 124A, 125A, 126A

Asbestos Pre-Demo  
Survey

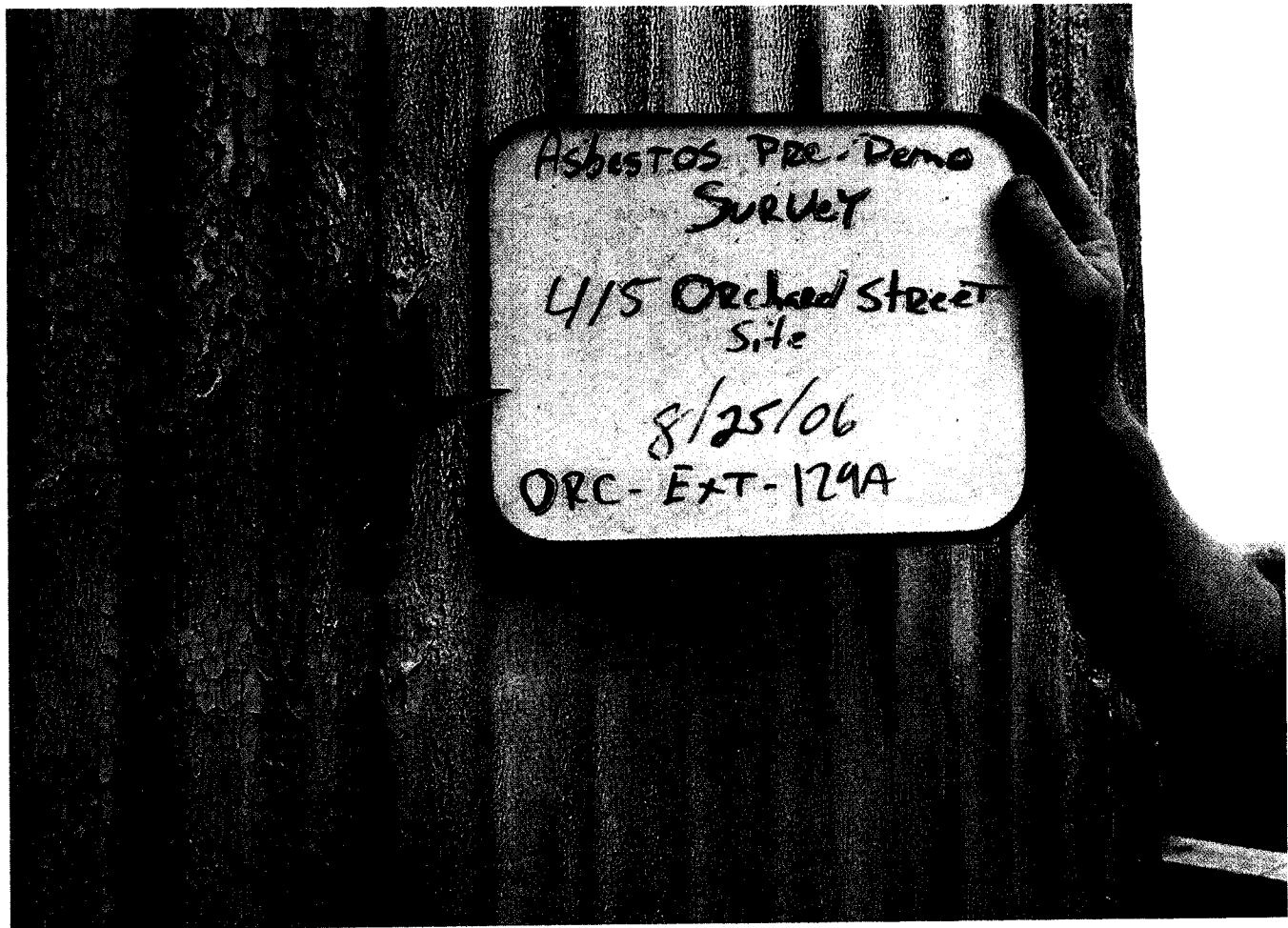
415 Orchard Street  
Site

8/25/06

ORC - EXT - 127A



Asbestos Pre-Demo  
Survey  
4/15 Orchard Street  
Site  
8/25/06  
ORC-EXT-129A



Asbestos Pre-Demo  
Survey  
4/15 Orchard Street  
Site  
8/25/06  
ORC-EXT-129A

Asbestos PE - Demo  
Survey  
415 Orchard Street  
Site  
8/25/06  
ORC - CORES - 130A, 131A  
132A, 133A, 134A  
135A

Asbestos PE - Demo  
Survey  
415 Orchard Street  
Site  
8/25/06  
ORC - ELV - 136A



Asbestos PE - Demo  
Survey  
415 Orchard Street  
Site  
8/25/06  
ORC - ELV-137A

Asbestos PE - Demo  
Survey  
415 Orchard Street  
Site  
8/25/06  
ORC - EXT-138A

Asbestos PR - Demo  
Survey

415 Orchard Street  
Site

8/25/06

ORC - Core 6 - 139A, 140A, 141A,  
142A, 143A, 144A

Asbestos PR - Demo  
Survey

415 Orchard Street  
Site

8/25/06

ORC - Core 7 - 145A, 146A, 147A,  
148A

Asbestos PR - Demo  
Survey

415 Orchard Street  
Site

8/25/06

ORC - Core 8 - 149A, 150A, 151A  
152A, 153A, 154A  
155A

Asbestos PR - Demo  
Survey

415 Orchard Street  
Site

8/25/06

ORC - Core 9 156A.

Asbestos Pre-Demo  
Survey

415 Orchard Street  
Site

8/25/06

ORC - Core 10 - 157A, 158A, 159A,  
160A, 161A,

Asbestos Pre-Demo  
Survey

415 Orchard Street  
Site

8/25/06

ORC - EXT - 162A

ASBESTOS PREDEMO  
SURVEY

1/15 ORCHARD STREET  
SITE  
8/30/06  
ORC-EXT-163A

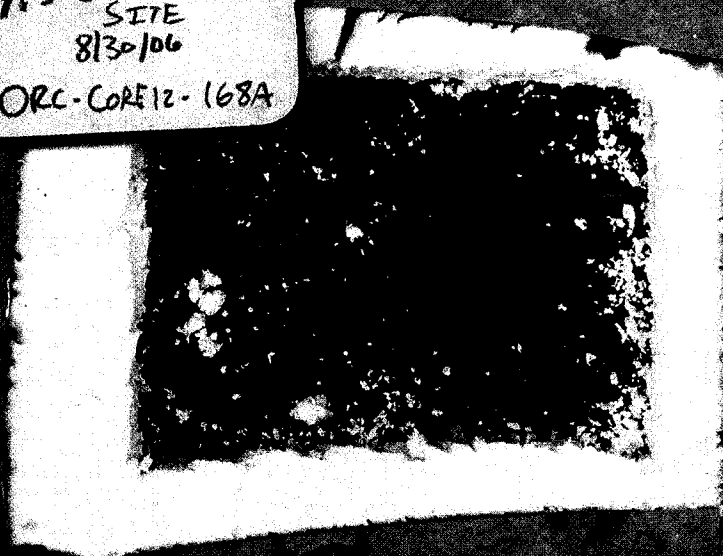
ASBESTOS PREDEMO  
SURVEY

1/15 ORCHARD STREET  
SITE  
8/30/06  
ORC-EXT-164A, 165A, 166A  
167A

ASBESTOS PREDEMO  
SURVEY

1715 ORCHARD STREET  
SITE  
8/30/06

ORC-CORE 12-168A



ASBESTOS PREDEMO  
SURVEY

1715 ORCHARD STREET  
SITE

8/30/06

ORC-CORE 13-169A

170A, 171A, 172A

173A, 174A, 175A

ASBESTOS PREDEMO  
SURVEY

1/15 ORCHARD STREET  
SITE

8/30/06

ORC-CORE 14 176A, 177A  
178A, 179A, 180A  
181A, 182A, 183A

ASBESTOS PREDEMO  
SURVEY

1/15 ORCHARD STREET  
SITE

8/30/06

ORC-CORE 15 184A, 185A  
186A, 187A  
188A



ASBESTOS PRE-DEMOLITION  
SURVEY  
1715 ORCHARD STREET  
SITE  
8/30/06  
ORC-EAT-193A



ASBESTOS PREVENTION  
SHEET  
1/15 DRINKING WATER  
SITE  
8/22/06  
ORC-CORE 17 1944  
195A

ASBESTOS PREVENTION  
SHEET  
1/15 DRINKING WATER  
SITE  
8/22/06  
ORC-CORE 17 1944  
195A

ASBESTOS PRELIMINARY  
SURVEY

1/15 ORCHARD STREET  
SITE

8/30/06

ORC-CORE 18  
17A-20A

ASBESTOS PRELIMINARY  
SURVEY

1/15 ORCHARD STREET  
SITE

8/30/06

ORC-CORE 19  
20A-21A

ASBESTOS PREDEFINED  
SURVEY

1115 ORINARD STREET  
SITE

8/30/06  
ORC CORE 20  
213A-217A

ASBESTOS PREDEFINED  
SURVEY

1115 ORINARD STREET  
SITE

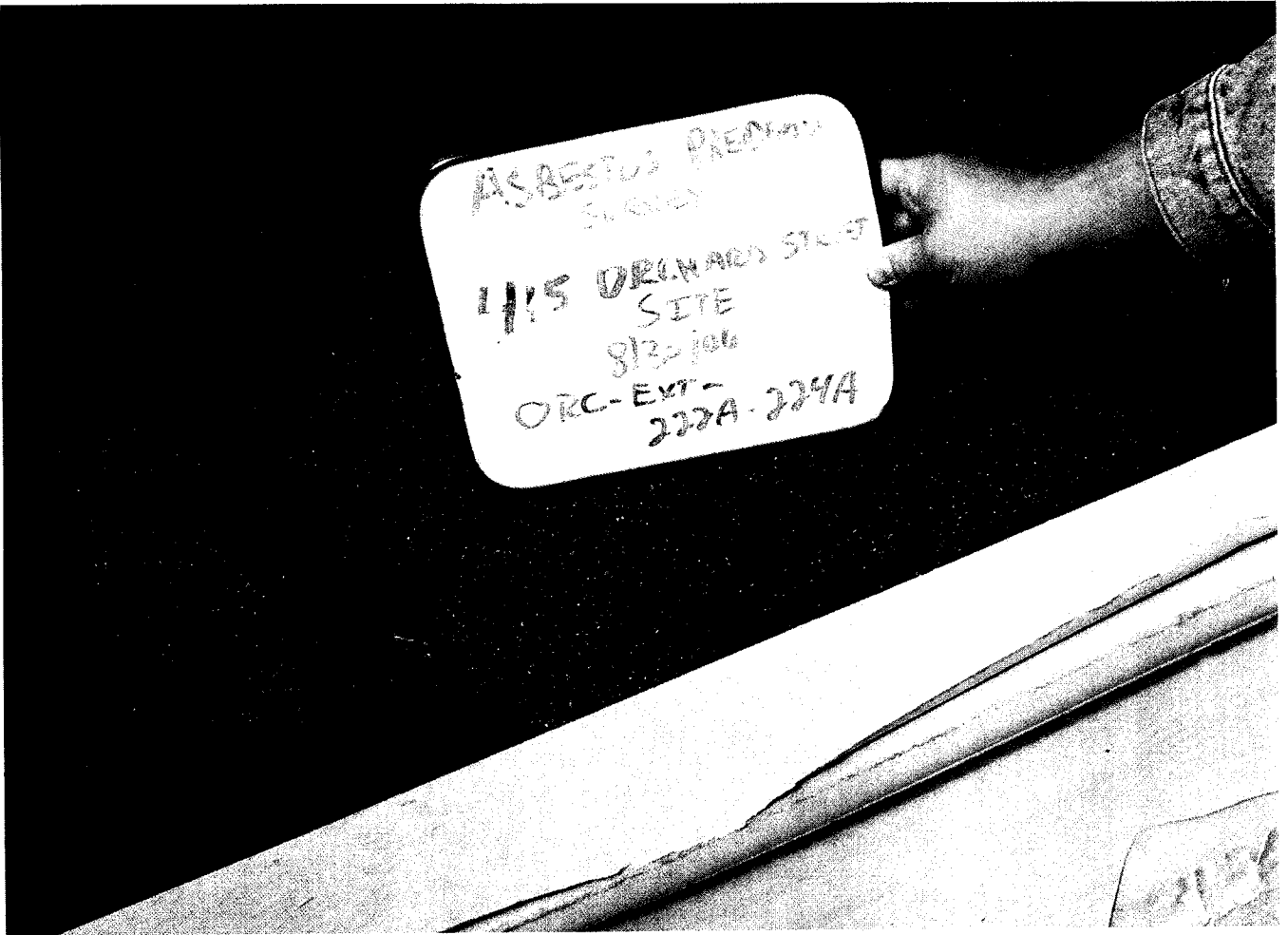
8/30/06  
ORC CORE 21  
218A-221A

ASBESTOS REMEDIATION  
SCHEDULE

415 ORINARD STREET  
SITE

813-106

ORC-EXT-  
222A-224A



## Appendix C – Test Pit Logs

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**Test Pit Log**

**Project No.: 4216**

**Page 1 of 1**

**Test Pit: TP-01**

**Project Name: Orchard /Whitney RI/IRM**

**Client: City of Rochester**

**Dimensions: 20'x6'x10'**

**Weather: Sunny, 50°**

**Tech.:ERD/GLA**

**Date Started: 10/01/08**

**Completed: 10/01/08**

**Oper.: Nate**

**Sub-Contractor: Paragon Environmental**

**Equipment: 200 Series Komatsu**

Depth Below Surface (Ft.)	Sample Number	Depth of Sample	PID (ppm)	Soil & Rock Classifications/Remarks
2	TP-01B (waste)		0	
4	TP-01A (soil)		0	0-3' Concrete and sub base material Clay tile drainage "crock" found at 1' bgs containing black sandy sludge with strong odor - clean pipe attached oriented southward
6			15	3-6.5' bgs brown f-m sand and silt , moist w/ building demo fill. Groundwater observed - no sheen or odor Terminated test pit at 6.5' bgs
8			0	
10			0	
12			0	

Remarks: Waste materials from crock staged in 55-gallon drum and secured pending characterization and disposal.  
Bedrock not encountered.

**Test Pit Log**

**Project No.: 4216**

**Page 1 of 1**

**Test Pit: TP-02**

**Project Name: Orchard /Whitney RI/IRM**

**Client: City of Rochester**

**Dimensions: 20'x6'x10'**

**Weather: Sunny, 50°**

**Tech.:ERD/GLA**

**Date Started: 10/01/08**

**Completed: 10/01/08**

**Oper.: Nate**

**Sub-Contractor: Paragon Environmental**

**Equipment: 200 Series Komatsu**

Depth Below Surface (Ft.)	Sample Number	Depth of Sample	PID (ppm)	Soil & Rock Classifications/Remarks
2			0	0-2' Loose asphalt underlain by thin gravel layer Clay tile drainage "crock" found at 2' bgs , empty with no odor clean pipe attached oriented southward  3-5.5' bgs brown f-m sand and silt , moist w/ building demo fill. Groundwater not observed - no odor Terminated test pit at 5.5' bgs
4			0	
6	TP-02 (soil)		0	
8			0	
10			0	
12			0	

Remarks: Bedrock not encountered

**Test Pit Log**

**Project No.: 4216**

**Page 1 of 1**

**Test Pit: TP-03**

**Project Name: Orchard /Whitney RI/IRM**

**Client: City of Rochester**

**Dimensions: 20'x9'x10'**

**Weather: Sunny, 50°**

**Tech.:ERD/GLA**

**Date Started: 10/01/08**

**Completed: 10/01/08**

**Oper.: Nate**

**Sub-Contractor: Paragon Environmental**

**Equipment: 200 Series Komatsu**

Depth Below Surface (Ft.)	Sample Number	Depth of Sample	PID (ppm)	Soil & Rock Classifications/Remarks
2			0	Concrete and sub base to approximately 2.0' bgs Location looks like an abandoned hydraulic lift
4			0	Brown sand and gravel to 7.0' bgs
6			0	
8	TP-03A (Soil)		15	Sand and gravel soil stained and exhibits petroleum/solvent odor Soils wet at 7.5' bgs, odor and slight sheen noted.
10	TP-03B (oily mtl.)		0	Terminated test pit at 9.0' bgs
12			0	

Remarks: Bedrock not encountered.



**Test Pit Log**

**Project No.: 4216**

**Page 1 of 1**

**Test Pit: TP-04**

**Project Name: Orchard /Whitney RI/IRM**

**Client: City of Rochester**

**Dimensions: 20'x9'x10'**

**Weather: Sunny, 50°**

**Tech.:ERD/GLA**

**Date Started: 10/01/08**

**Completed: 10/01/08**

**Oper.: Nate**

**Sub-Contractor: Paragon Environmental**

**Equipment: 200 Series Komatsu**

Depth Below Surface (Ft.)	Sample Number	Depth of Sample	PID (ppm)	Soil & Rock Classifications/Remarks
2			0	
4			0	
6			0	Water present in concrete pit (former basement) at approximately 5.0' bgs, no odor, no sheen
8			15	Concrete floor of former engine room Concrete and gravel to approx 9.0' bgs
10	TP-04		0	Native soils below floor slab, saturated brown cmf sand and gravel
12	(soil)		0	Terminated TP at approximately 11.0' bgs

Remarks: Bedrock not encountered.

**Test Pit Log**

**Project No.: 4216**

**Page 1 of 1**

**Test Pit: TP-05**

**Project Name: Orchard /Whitney RI/IRM**

**Client: City of Rochester**

**Dimensions: 20'x9.5'x10'**

**Weather: Sunny, 50°**

**Tech.:ERD/GLA**

**Date Started: 10/01/08**

**Completed: 10/01/08**

**Oper.: Nate**

**Sub-Contractor: Paragon Environmental**

**Equipment: 200 Series Komatsu**

Depth Below Surface (Ft.)	Sample Number	Depth of Sample	PID (ppm)	Soil & Rock Classifications/Remarks
2			0	
4			0	0-3' Concrete and sub base material Clay tile drainage "crock" found at 1' bgs containing black sandy sludge with strong odor - pipe attached containing sludge removed all piping and containerized with TP-01 waste
6			0	
8	TP-05 (soil)		0	3-6.5' bgs brown f-m sand and silt, moist w/ building demo fill. Groundwater observed - no sheen or odor
10			0	Terminated boring on bedrock at 9.5' bgs
12			0	

Remarks: Waste materials from crock and pipe staged in 55-gallon drum and secured pending characterization and disposal.

**Test Pit Log**

**Project No.: 4216**

**Page 1 of 1**

**Test Pit: TP-06**

**Project Name: Orchard /Whitney RI/IRM**

**Client: City of Rochester**

**Dimensions: 20'x9.5'x10'**

**Weather: Sunny, 50°**

**Tech.:ERD/GLA**

**Date Started: 10/01/08**

**Completed: 10/01/08**

**Oper.: Nate**

**Sub-Contractor: Paragon Environmental**

**Equipment: 200 Series Komatsu**

Depth Below Surface (Ft.)	Sample Number	Depth of Sample	PID (ppm)	Soil & Rock Classifications/Remarks
2			0	
4	TP-06		28.5	0-3' Concrete and sub base material Moist fill material mixed with native sand and gravel soils Strong solvent odor noted at approximately 4.0' bgs No piping or crock observed, odor dissipated quickly.
6			0	
8			0	3-6.5' bgs brown f-m sand and silt, moist w/ building demo fill. Groundwater observed - no sheen or odor
10			0	Native brown sand and gravel soils underlain by thin till layer to 9.5' bgs Terminated boring on bedrock at 9.5' bgs
12			0	

Remarks:

**Test Pit Log**

**Project No.: 4216**

**Page 1 of 1**

**Test Pit: TP-07**

**Project Name: Orchard /Whitney RI/IRM**

**Client: City of Rochester**

**Dimensions: 20'x9.5'x10'**

**Weather: Sunny, 50°**

**Tech.:ERD/GLA**

**Date Started: 10/01/08**

**Completed: 10/01/08**

**Oper.: Nate**

**Sub-Contractor: Paragon Environmental**

**Equipment: 200 Series Komatsu**

Depth Below Surface (Ft.)	Sample Number	Depth of Sample	PID (ppm)	Soil & Rock Classifications/Remarks
2			0	
4	TP-07 (soil)		400	0-3' weathered asphalt and sub base material Brown mf sand, silt and cmf gravel below 3.0' bgs
6			0	
8			0	3-8.5' bgs brown f-m sand and silt, moist mixed native soils and fill. Groundwater observed - no sheen, odor present in soils
10			0	Terminated boring at 8.5' bgs
12			0	

Remarks: Bedrock not encountered

**Test Pit Log**

**Project No.: 4216**

**Page 1 of 1**

**Test Pit: TP-08**

**Project Name: Orchard /Whitney RI/IRM**

**Client: City of Rochester**

**Dimensions: 20'x9.0'x10'**

**Weather: Sunny, 50°**

**Tech.:ERD/GLA**

**Date Started: 10/02/08**

**Completed: 10/02/08**

**Oper.: Nate**

**Sub-Contractor: Paragon Environmental**

**Equipment: 200 Series Komatsu**

Depth Below Surface (Ft.)	Sample Number	Depth of Sample	PID (ppm)	Soil & Rock Classifications/Remarks
2			0	
4			0	0-3' weathered asphalt and sub base material, some masonry Brown mf sand, silt and cmf gravel below 3.0' bgs
6			0	
8	TP-08 (Soil)		0	3-8.5' bgs brown f-m sand and silt, moist mixed native soils and fill. Groundwater observed - no sheen, no odor present in soils
10			0	8.5 - 9.0' bgs grey till Terminated boring at 9.0' bgs on bedrock
12			0	

Remarks: Bedrock encountered at 9.0 feet bgs

**Test Pit Log**

**Project No.: 4216**

**Page 1 of 1**

**Test Pit: TP-09**

**Project Name: Orchard /Whitney RI/IRM**

**Client: City of Rochester**

**Dimensions: 15'x9.0'x10'**

**Weather: Sunny, 50°**

**Tech.:ERD/GLA**

**Date Started: 10/02/08**

**Completed: 10/02/08**

**Oper.: Nate**

**Sub-Contractor: Paragon Environmental**

**Equipment: 200 Series Komatsu**

Depth Below Surface (Ft.)	Sample Number	Depth of Sample	PID (ppm)	Soil & Rock Classifications/Remarks
2			0	
4			0	0-3' weathered asphalt and sub base material, some masonry Brown mf sand, silt and cmf gravel below 3.0' bgs
6			0	
8	TP-09 (Soil)		0	3-8.5' bgs brown f-m sand and silt, moist mixed native soils and fill. Groundwater observed - no sheen, no odor present in soils
10			0	8.5 - 9.0' bgs grey till Terminated boring at 9.0' bgs on bedrock
12			0	

Remarks: Bedrock encountered at 9.0 feet bgs

**Test Pit Log**

**Project No.: 4216**

**Page 1 of 1**

**Test Pit: TP-10**

**Project Name: Orchard /Whitney RI/IRM**

**Client: City of Rochester**

**Dimensions: 15'x9.5'x10'**

**Weather: Sunny, 50°**

**Tech.:ERD/GLA**

**Date Started: 10/02/08**

**Completed: 10/02/08**

**Oper.: Nate**

**Sub-Contractor: Paragon Environmental**

**Equipment: 200 Series Komatsu**

Depth Below Surface (Ft.)	Sample Number	Depth of Sample	PID (ppm)	Soil & Rock Classifications/Remarks
2			0	
4			0	0-3' weathered asphalt and sub base material, some masonry Brown mf sand, silt and cmf gravel below 3.0' bgs
6			0	
8	TP-10 (Soil)		0	3-8.5' bgs brown f-m sand and silt, moist mixed native soils and fill. Groundwater observed - no sheen, no odor present in soils
10			0	8.5 - 9.5' bgs grey till Terminated boring at 9.5' bgs on bedrock
12			0	

Remarks: Bedrock encountered at 9.5 feet bgs

**Test Pit Log**

**Project No.: 4216**

**Page 1 of 1**

**Test Pit: TP-11**

**Project Name: Orchard /Whitney RI/IRM**

**Client: City of Rochester**

**Dimensions: 15'x9.5'x10'**

**Weather: Sunny, 50°**

**Tech.:ERD/GLA**

**Date Started: 10/02/08**

**Completed: 10/02/08**

**Oper.: Nate**

**Sub-Contractor: Paragon Environmental**

**Equipment: 200 Series Komatsu**

Depth Below Surface (Ft.)	Sample Number	Depth of Sample	PID (ppm)	Soil & Rock Classifications/Remarks
2			0	
4			0	0-3' weathered asphalt and sub base material, some masonry Brown mf sand, silt and cmf gravel below 3.0' bgs
6			0	
8	TP-11 (Soil)		0	3-8.5' bgs brown f-m sand and silt, moist mixed native soils and fill. Groundwater observed - no sheen, faint petrol. odor in soils
10			0	8.5 - 9.5' bgs grey till Terminated boring at 9.5' bgs on bedrock
12			0	

Remarks: Bedrock encountered at 9.5 feet bgs



**Test Pit Log**

**Project No.: 4216**

**Page 1 of 1**

**Test Pit: TP-12**

**Project Name: Orchard /Whitney RI/IRM**

**Client: City of Rochester**

**Dimensions: 15'x3'x10'**

**Weather: Sunny, 50°**

**Tech.:ERD/GLA**

**Date Started: 10/02/08**

**Completed: 10/02/08**

**Oper.: Nate**

**Sub-Contractor: Paragon Environmental**

**Equipment: 200 Series Komatsu**

Depth Below Surface (Ft.)	Sample Number	Depth of Sample	PID (ppm)	Soil & Rock Classifications/Remarks
2			0	0-3' masonry debris, sand and gravel - no odor, dry Terminated boring at 3.0' bgs on massive concrete
4			0	
6			0	
8			0	
10			0	
12			0	

Remarks: Massive concrete slab encountered at 3.0 feet bgs. No sample taken (all fill material)

**Test Pit Log**

**Project No.: 4216**

**Page 1 of 1**

**Test Pit: TP-13**

**Project Name: Orchard /Whitney RI/IRM**

**Client: City of Rochester**

**Dimensions: 15'x3'x10'**

**Weather: Sunny, 50°**

**Tech.:ERD/GLA**

**Date Started: 10/02/08**

**Completed: 10/02/08**

**Oper.: Nate**

**Sub-Contractor: Paragon Environmental**

**Equipment: 200 Series Komatsu**

Depth Below Surface (Ft.)	Sample Number	Depth of Sample	PID (ppm)	Soil & Rock Classifications/Remarks
2			0	0-3' masonry debris, sand and gravel - no odor, dry Terminated boring at 3.0' bgs on massive concrete
4			0	
6			0	
8			0	
10			0	
12			0	

Remarks: Massive concrete slab encountered at 3.0 feet bgs. No sample taken (all fill material)

**Test Pit Log**

**Project No.: 4216**

**Page 1 of 1**

**Test Pit: TP-14**

**Project Name: Orchard /Whitney RI/IRM**

**Client: City of Rochester**

**Dimensions: 15'x9.0'x10'**

**Weather: Sunny, 50°**

**Tech.:ERD/GLA**

**Date Started: 10/02/08**

**Completed: 10/02/08**

**Oper.: Nate**

**Sub-Contractor: Paragon Environmental**

**Equipment: 200 Series Komatsu**

Depth Below Surface (Ft.)	Sample Number	Depth of Sample	PID (ppm)	Soil & Rock Classifications/Remarks
2			0	
4			0	0-3' weathered concrete and sub base material, some masonry TP is adjacent to 4' diam steel caisson Brown mf sand, silt and cmf gravel below 3.0' bgs
6			0	
8	TP-14 (Soil)		0	3-8.5' bgs brown f-m sand and silt, moist mixed native soils and fill. Groundwater observed - no sheen, no odor present in soils
10			0	8.5 - 9.0' bgs grey till Terminated boring at 9.0' bgs. Bedrock not encountered
12			0	

Remarks: Bedrock not encountered at 9.0 feet bgs

**Test Pit Log**

**Project No.: 4216**

**Page 1 of 1**

**Test Pit: TP-15**

**Project Name: Orchard /Whitney RI/IRM**

**Client: City of Rochester**

**Dimensions: 15'x10.5'x10'**

**Weather: Sunny, 50°**

**Tech.:ERD/GLA**

**Date Started: 10/02/08**

**Completed: 10/02/08**

**Oper.: Nate**

**Sub-Contractor: Paragon Environmental**

**Equipment: 200 Series Komatsu**

Depth Below Surface (Ft.)	Sample Number	Depth of Sample	PID (ppm)	Soil & Rock Classifications/Remarks
2			0	
4			0	0-3' weathered concrete and sub base material, some masonry Brown mf sand, silt and cmf gravel below 3.0' bgs
6	TP-15 (Soil)		950	4.0-7.0' bgs grey clay and cmf sand layer Solvent odor - dissipates quickly
8			0	7.0-9.5' bgs brown f-m sand and silt, moist mixed native soils . Groundwater observed - no sheen, no odor present in soils
10			0	9.5 - 10.5' bgs grey till
12			0	Terminated boring at 10.5' bgs. Bedrock encountered

Remarks: Bedrock encountered at 10.5 feet bgs

**Test Pit Log**

**Project No.: 4216**

**Page 1 of 1**

**Test Pit: TP-16**

**Project Name: Orchard /Whitney RI/IRM**

**Client: City of Rochester**

**Dimensions: 15'x10.0'x10'**

**Weather: Sunny, 50°**

**Tech.:ERD/GLA**

**Date Started: 10/02/08**

**Completed: 10/02/08**

**Oper.: Nate**

**Sub-Contractor: Paragon Environmental**

**Equipment: 200 Series Komatsu**

Depth Below Surface (Ft.)	Sample Number	Depth of Sample	PID (ppm)	Soil & Rock Classifications/Remarks
2			0	
4			0	0-3' weathered concrete and sub base material, some masonry Brown mf sand, silt and cmf gravel below 3.0' bgs
6			0	Drainage tile (empty, no odor)
8			0	7.0-9.5' bgs brown f-m sand and silt, moist mixed native soils . Groundwater observed - no sheen, no odor present in soils
10			0	9.5 - 10.0' bgs grey till
12			0	Terminated boring at 10.0' bgs. Bedrock encountered

Remarks: Bedrock encountered at 10.0 feet bgs. No sample obtained due to proximity of MW-12.

**Test Pit Log**

**Project No.: 4216**

**Page 1 of 1**

**Test Pit: TP-17**

**Project Name: Orchard /Whitney RI/IRM**

**Client: City of Rochester**

**Dimensions: 15'x10.0'x10'**

**Weather: Sunny, 50°**

**Tech.:ERD/GLA**

**Date Started: 10/02/08**

**Completed: 10/02/08**

**Oper.: Nate**

**Sub-Contractor: Paragon Environmental**

**Equipment: 200 Series Komatsu**

Depth Below Surface (Ft.)	Sample Number	Depth of Sample	PID (ppm)	Soil & Rock Classifications/Remarks
2			0	
4			0	0-3' weathered concrete and sub base material, some masonry Brown mf sand, silt and cmf gravel below 3.0' bgs
6			0	
8			0	7.0-9.5' bgs brown f-m sand and silt, moist mixed native soils . Groundwater observed - no sheen, no odor present in soils
10	TP-17 (Soil)		0	9.0 - 10.5' bgs grey till
12			0	Terminated boring at 10.5' bgs. Bedrock encountered

Remarks: Bedrock encountered at 10.5 feet bgs.

**Test Pit Log**

**Project No.: 4216**

**Page 1 of 1**

**Test Pit: TP-18**

**Project Name: Orchard /Whitney RI/IRM**

**Client: City of Rochester**

**Dimensions: 5'x5'x5'**

**Weather: Sunny, 50°**

**Tech.:ERD/GLA**

**Date Started: 10/02/08**

**Completed: 10/02/08**

**Oper.: Nate**

**Sub-Contractor: Paragon Environmental**

**Equipment: 200 Series Komatsu**

Depth Below Surface (Ft.)	Sample Number	Depth of Sample	PID (ppm)	Soil & Rock Classifications/Remarks
2			0	brick and concrete demolition debris
4			0	brick and concrete demolition debris with glass, metal and black cinders
6			0	Terminated test pit at 3.0 feet below surface
8			0	
10			0	
12			0	

**Test Pit Log**

Project No.: 4216

Page 1 of 1

Test Pit: TP-19

Project Name: Orchard /Whitney RI/IRM

Client: City of Rochester

Dimensions: 16'x6'x15'

Weather: S. Breeze, 45°

Tech.: ED

Date Started: 3/17/11

Completed: 3/17/11

Oper.:

Sub-Contractor: TREC Environmental

Equipment: JD 200C 1C

**Site Photos**

TP-19



TP-19



Depth Below Surface (Ft.)	Sample Number	Depth of Sample	PID (ppm)	Soil & Rock Classifications/Remarks
2			0	0-2' Dark grey to black fill; building materials (concrete, brick, glass, steel, rebar, I-beams, scrap steel); dry
4			0	
6			0	
8			0	
10			0	
12			0	2-11' Light brown to grey fill; as above; lot's of rebar 11-12' Encounter native soil (appears native); silt/sand/gravel mix; moist-wet; Fe mottling, cmf gravel
15	?	12-15'	0	12-15' Musty odor Silt/sand cmf/cmf gravel. Fe mottling, some clay; light brown-med. Brown, moist

Remarks: 2-4' PAH/coal/creosote odor, no PID readings above background, no elevated methane readings, collect soil sample from 12-15'. Rock @ 15', no ground water encountered.



**Test Pit Log**

Project No.: 4216

Page 1 of 1

Test Pit: TP-20

Project Name: Orchard /Whitney RI/IRM

Client: City of Rochester

Dimensions: 18'x6'x13'

Weather: Sun, Breeze, 45°

Tech.: ED

Date Started: 3/17/11

Completed: 3/17/11

Oper.:

Sub-Contractor: TREC Environmental

Equipment: JD 200C 1C

**Site Photos**

TP-20 (Looking East)



TP-20



Depth Below Surface (Ft.)	Sample Number	Depth of Sample	PID (ppm)	Soil & Rock Classifications/Remarks
2			0	
4			0	
6			0	
8			0	
10			0	
12			0	
13			0	0-13' All building demo fill material; dark brown to black @ 2-3'; rebar, brick, concrete, glass, tire, steel w/ silty soil fill.

Remarks: @ 13' bgs encounter flat concrete slab, no evidence of gross contamination in fill materials to 13'; no elevated PID readings or methane readings throughout digging; no sample collected. No rock encountered, no groundwater encountered.

**Test Pit Log**

Project No.: 4216

Page 1 of 1

Test Pit: TP-21

Project Name: Orchard /Whitney RI/IRM

Client: City of Rochester

Dimensions: 20'x7'x14'

Weather: S. Breeze, 50°

Tech.: ED

Date Started: 3/17/11

Completed: 3/17/11

Oper.:

Sub-Contractor: TREC Environmental

Equipment: JD 200C 1C

**Site Photos**

TP-21 (Looking East)



TP-21



Depth Below Surface (Ft.)	Sample Number	Depth of Sample	PID (ppm)	Soil & Rock Classifications/Remarks
2			0	0-6' Building demo fill material: brick, concrete, steel, wood, rebar, silty type soil, dry, medium brown.
4			0	
6			0	
8			0	6-14' Building demo fill material: brick, concrete, steel, wood, rebar, charcoal grey-black soil, no odor.
10			0	
12	?	10-12'	0	
14			0	

Remarks: @14' bgs encounter concrete slab; no elevated PID readings; stained soils have no odors or readings; collected sample from 10-12'.

**Test Pit Log**

Project No.: 4216

Page 1 of 1

Test Pit: TP-22

Project Name: Orchard /Whitney RI/IRM

Client: City of Rochester

Dimensions: 20'x6'x10'

Weather: Sunny, 50°

Tech.: ED

Date Started: 3/17/11

Completed: 3/17/11

Oper.:

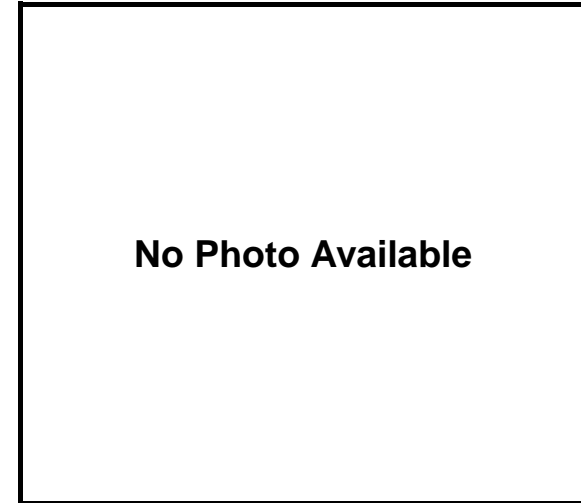
Sub-Contractor: TREC Environmental

Equipment: JD 200C 1C

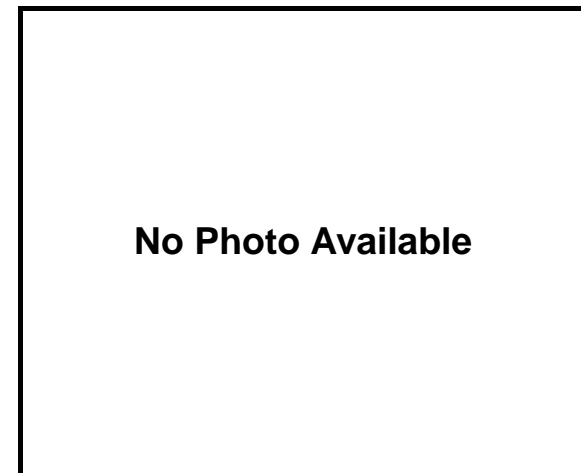
**Site Photos**

TP-22

Depth Below Surface (Ft.)	Sample Number	Depth of Sample	PID (ppm)	Soil & Rock Classifications/Remarks
2			0	
4			0	0-3' Black fill, bldg. demo materials: brick, concrete, rebar, steel, stone, wood. Dry, silt like soil, RR ties.
6			0	3-6' Light brown f-m sand, moist w/ building demo fill.
8			0	6-8.5' Medium brown fill.
10	?	10'	0	8.5-10' CMF sandy silt w/ cmf gravel; red-brown Fe mottling, little clay, moist (begins at RR bed grade adjacent to test pit).
12			0	



TP-22



Remarks: Encounter concrete slab @ 10'; mixed fill soils throughout; majority of building demo materials are from 0-6'; collect soil sample from top of concrete slab @ 10' (0 ppm) ; no staining. No rock or groundwater encountered.

**Test Pit Log**

Project No.: 4216

Page 1 of 1

Test Pit: TP-23

Project Name: Orchard /Whitney RI/IRM

Client: City of Rochester

Dimensions: 15'x8'x13.5'

Weather: Sunny, 55°

Tech.: GLA

Date Started: 3/17/11

Completed: 3/17/11

Oper.:

Sub-Contractor: TREC Environmental

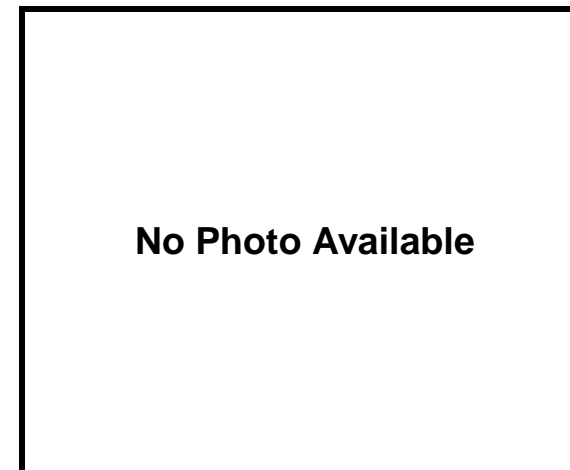
Equipment: JD 200C 1C

**Site Photos**

TP-23



TP-23



Depth Below Surface (Ft.)	Sample Number	Depth of Sample	PID (ppm)	Soil & Rock Classifications/Remarks
2			0	
4			0	
6			0	
8			0	
10			0	
12			0	
13.5'			0	0-13.5': C&D debris, sand to boulder, brick, concrete, rebar, pipes, sheet metal, concrete slab encountered at 13.5', moist-dry, musty odor, no coal, no vertical structure noted (horiz. slab only)

Remarks: TP included a greater proportion of metal debris and greater/more consistent proportion of large pieces of C&D debris than the previous TP's today.

**Test Pit Log**

Project No.: 4216

Page 1 of 1

Test Pit: TP-24

Project Name: Orchard /Whitney RI/IRM

Client: City of Rochester

Dimensions: 19'x7'x14.5'

Weather: Hazy Sun, 60°

Tech.: GLA

Date Started: 3/17/11

Completed: 3/18/11

Oper.:

Sub-Contractor: TREC Environmental

Equipment: JD 200C 1C

**Site Photos**

TP-24



TP-24



Depth Below Surface (Ft.)	Sample Number	Depth of Sample	PID (ppm)	Soil & Rock Classifications/Remarks
2			0	0-2': Crushed brick, concrete f sand-cobble, dry, no odor.
4			0	
6			0	2-5': similar material w/ lighter (whitish) color.
8			0	
10			0	
12			0	
14.5	?	14.5'	0	5-14.5': Similar material w/ larger proportion of boulder pieces, metal (pipe/rebar) moist, musty odor, darker.

Remarks: Collected sample from bottom, pit extends 19' southward from line 11 to south well of 415 highrise, 9' south of wall (see map)

**Test Pit Log**

Project No.: 4216

Page 1 of 1

Test Pit: TP-25

Project Name: Orchard /Whitney RI/IRM

Client: City of Rochester

Dimensions:

Weather: 50°

Tech.: GLA

Date Started: 3/18/11

Completed: 3/18/11

Oper.:

Sub-Contractor: TREC Environmental

Equipment: JD 200C 1C

**Site Photos**

TP-25

Depth Below Surface (Ft.)	Sample Number	Depth of Sample	PID (ppm)	Soil & Rock Classifications/Remarks
2			0	
4			0	
6			0	
8			0	0-8': Fine sand, to boulders, C&D debris, large amounts of metal, large pieces of concrete, moist, no odor, no rails, ties or coal.
10			0	
12			0	8-12': Brown-dark brown cmf sand and cmf gravel, some silt, moist, no odor - looks layered like compacted backfill.
20			0	12-20': Native soil, medium brown mf sand, moist, no odor, no standing water, but wet at 20'.



TP-25 (looking west)



Remarks: Encountered TP across width of fill in former rail enclosure.

**Test Pit Log**

Project No.: 4216

Page 1 of 1

Test Pit: TP-26

Project Name: Orchard /Whitney RI/IRM

Client: City of Rochester

Dimensions: 15'x5'x15'

Weather: Sunny, 50°

Tech.: ED

Date Started: 3/18/11

Completed: 3/18/11

Oper.:

Sub-Contractor: TREC Environmental

Equipment: JD 200C 1C

**Site Photos**

TP-26



TP-26



Depth Below Surface (Ft.)	Sample Number	Depth of Sample	PID (ppm)	Soil & Rock Classifications/Remarks
2			0	
4			1	0-3': Vault depth once debris removed, wooded floor with rails intact. 3-4': Stone rail bedding is cemented/covered w/ creosote (creosote odor); RR ties creosote preserved.
6			5-6	
8				
10				
12				
15				4-15': Medium brown silt with sand; moist; little f-c gravel, underlain by ash, brick, dark brown fill material, no unusual odors or staining, mixed fill, moist-wet (ash/brick/masonry layer 6-7" thick).

Remarks: Collect sample from 14-15' below rail bed grade (bottom of 3' deep vault)

**Test Pit Log**

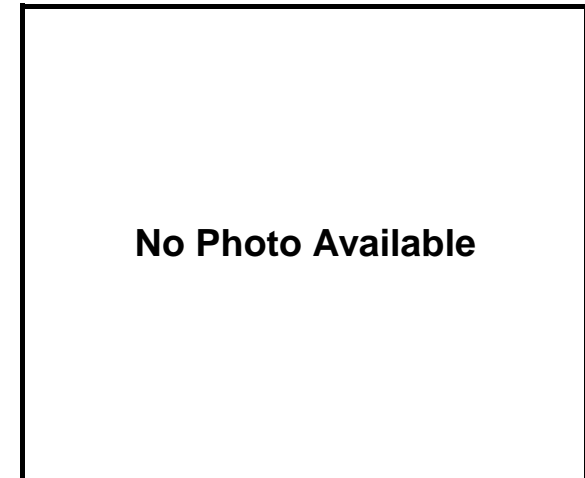
Project No.: 4216      Page 1 of 1      Test Pit: TP-27  
 Project Name: Orchard /Whitney RI/IRM  
 Client: City of Rochester  
 Dimensions: 7'x4'x1'      Weather: Sunny, 55°      Tech.: ED  
 Date Started: 3/18/11      Completed: 3/18/11      Oper.:  
 Sub-Contractor: TREC Environmental      Equipment: JD 200C 1C

**Site Photos**

TP-27



TP-27



Depth Below Surface (Ft.)	Sample Number	Depth of Sample	PID (ppm)	Soil & Rock Classifications/Remarks
2			0	0-1': Concrete vault filled w/ medium brown silt/sand, concrete pieces, concrete floor at 1'.
4				
6				
8				
10				
12				

Remarks:



**Test Pit Log**

Project No.: 4216

Page 1 of 1

Test Pit: TP-28

Project Name: Orchard /Whitney RI/IRM

Client: City of Rochester

Dimensions: 21'x12'x5'

Weather: Sunny, 55°

Tech.: ED

Date Started: 3/18/11

Completed: 3/21/11

Oper.:

Sub-Contractor: TREC Environmental

Equipment: JD 200C 1C

**Site Photos**

TP-28



TP-28



Depth Below Surface (Ft.)	Sample Number	Depth of Sample	PID (ppm)	Soil & Rock Classifications/Remarks
2			0	
4			0	
6			0	0-5': Dark brown-black fill soil (silt/sand) w/ brick, concrete, steel, wood building demo debris, encounter concrete bldg slab @ 5', no indication of contamination.
8			0	6-8': Light brown silt, Fe mottling; trace clay; trending to gray-brown. Rose-gray silt; little weathered rock; moist-wet.
10				
12				
15				

Remarks: Clean fill materials to allow access for hoe-ram to break through concrete.

Break thru concrete; encounter bedrock @ 8' below concrete; no evidence of contamination (Collect soil sample from 8' below ground surface. Groundwater @ 6'.

**Test Pit Log**

Project No.: 4216

Page 1 of 1

Test Pit: TP-29

Project Name: Orchard /Whitney RI/IRM

Client: City of Rochester

Dimensions: 12'x4'x5.5'

Weather: Sunny, 55°

Tech.: ED

Date Started: 3/18/11

Completed: 3/22/11

Oper.:

Sub-Contractor: TREC Environmental

Equipment: JD 200C 1C

**Site Photos**

TP-29



TP-29



Depth Below Surface (Ft.)	Sample Number	Depth of Sample	PID (ppm)	Soil & Rock Classifications/Remarks
2			0	
4			0	
6			309	0-5.5': Dark brown-black fill soil (silt/sand) w/ brick, concrete, steel, wood building demo debris, encounter concrete building slab @ 5'; no indication of contamination.
8				5.5-7.5': Silt, trace clay, Fe mottling, moist light brown-gray. Bedrock @ 7.5'.
10				
12				
15				

Remarks: Dig Berm out to concrete floor slab to allow access to hoe-ram for sub-surface investigation. Collect soil sample from pipe, from soil at 1' (90 ppm) and from bedrock interface (0 ppm). Rock at 7.5', groundwater @ 6'.

**Test Pit Log**

Project No.: 4216

Page 1 of 1

Test Pit: TP-30

Project Name: Orchard /Whitney RI/IRM

Client: City of Rochester

Dimensions: 12'x5'x11.5'

Weather: Overcast, 35°

Tech.: ED

Date Started: 3/22/11

Completed: 3/22/11

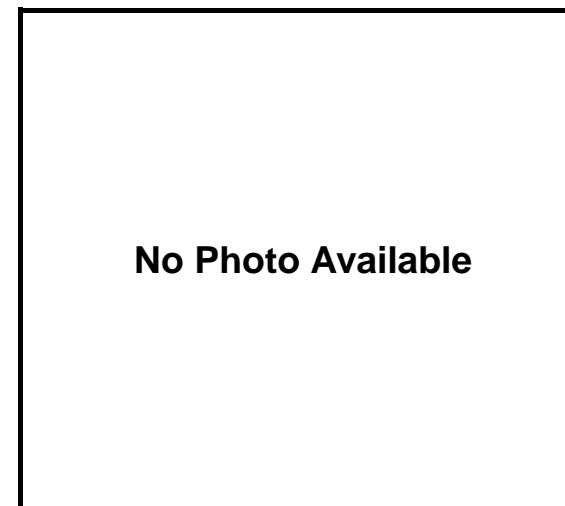
Oper.:

Sub-Contractor: TREC Environmental

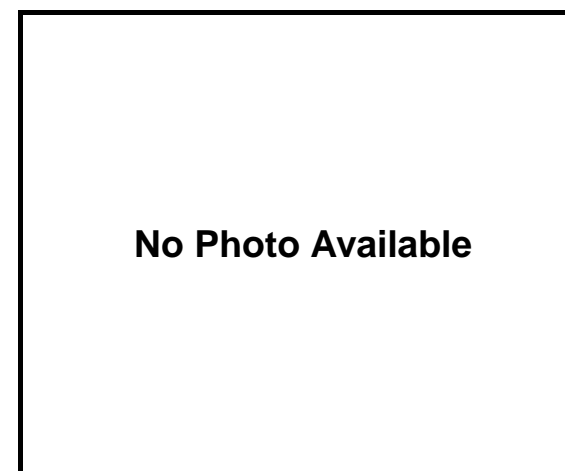
Equipment: JD 200C 1C

**Site Photos**

TP-30



TP-30



Depth Below Surface (Ft.)	Sample Number	Depth of Sample	PID (ppm)	Soil & Rock Classifications/Remarks
2			0	0-1.5': Ash, sand, gravel, fill; gray-black, dry
4			0	1.5-3': Dark brown silt w/ gravel; moist
6			0	3-5': gray-brown silty sand; some Fe gravel; moist
8			0	
10			0	5-11.5': Orange-red-brown silty F-sand; moist-wet; Fe mottling
12			0	

Remarks: Ground water seeping slowly into test pit around 8'; no staining or odors/PID readings; collected soil from 11.5 @ bedrock. Bedrock @ 11.5', water @ 8'.

**Test Pit Log**

**Site Photos**

Project No.: 4216

Page 1 of 1

Test Pit: TP-31

Project Name: Orchard /Whitney RI/IRM

Client: City of Rochester

Dimensions: 10'x4'x9.5'

Weather: Overcast, 35°

Tech.: ED

Date Started: 3/22/11

Completed: 3/22/11

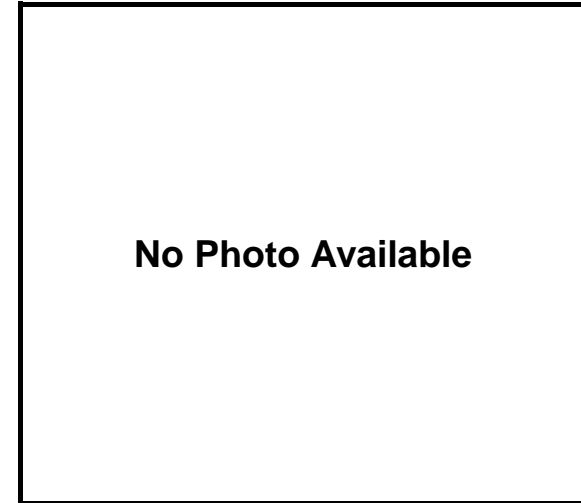
Oper.:

Sub-Contractor: TREC Environmental

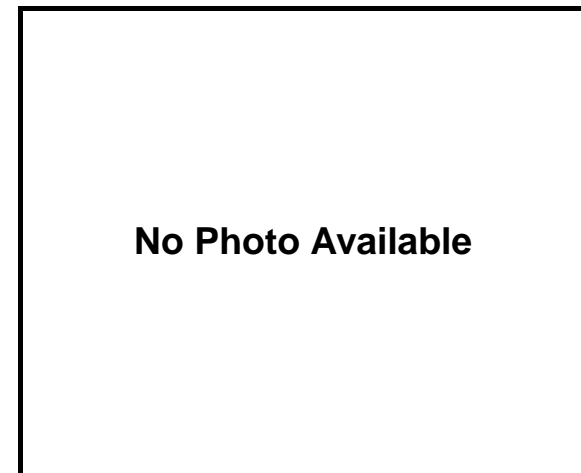
Equipment: JD 200C 1C

TP-31

Depth Below Surface (Ft.)	Sample Number	Depth of Sample	PID (ppm)	Soil & Rock Classifications/Remarks
2			0	0-1': Black ash, sand fill
4			0	
6			0	
8			30	
10			0	1-9.5': Medium brown silty sand w/ fc gravel; moist-wet.
12				



TP-31



Remarks: Encounter discolored gray soil (saturated) @ 8'±; petroleum odor and appeared to be "pocket" isolated around 8'; PID readings ranged from 20-30ppm on contamination; test pit close to tank area (USTs). Rock @ 9.5', groundwater @8'.

**Test Pit Log**

Project No.: 4216

Page 1 of 1

Test Pit: TP-32

Project Name: Orchard /Whitney RI/IRM

Client: City of Rochester

Dimensions: 10'x4'x11'

Weather: Overcast, 35°

Tech.: ED

Date Started: 3/22/11

Completed: 3/22/11

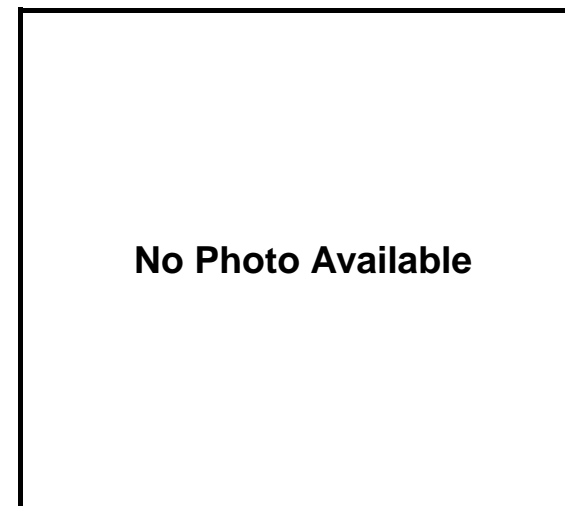
Oper.:

Sub-Contractor: TREC Environmental

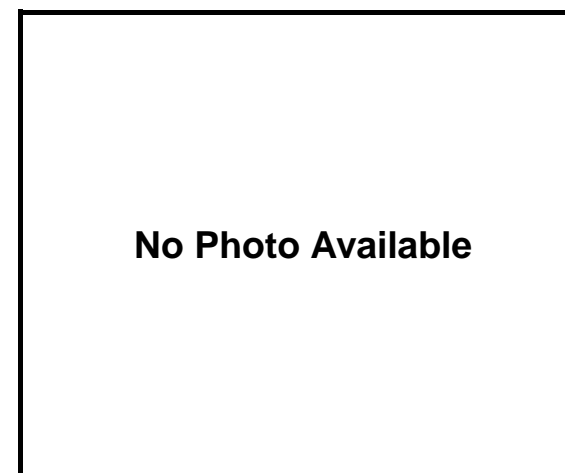
Equipment: JD 200C 1C

**Site Photos**

TP-32



TP-32



Depth Below Surface (Ft.)	Sample Number	Depth of Sample	PID (ppm)	Soil & Rock Classifications/Remarks
2			0	0-6": Black silt fill
				6-1.5': Chocolate brown silty sand
4			0	
6			0	
8			0	
10			0	1.5-10': Light brown me sand; little silt, moist.
12			0	10-11': Rose brown silt; trace clay, some sand, wet.

Remarks: Collect sample from black fill soil directly under slab (0.0 ppm) and from soil at bedrock. Rock @ 11', ground water @ 9'.

**Test Pit Log**

**Site Photos**

Project No.: 4216

Page 1 of 1

Test Pit: TP-33

Project Name: Orchard /Whitney RI/IRM

Client: City of Rochester

Dimensions: 10'x4.5'x10.5'

Weather: Overcast, 35°

Tech.: ED

Date Started: 3/22/11

Completed: 3/22/11

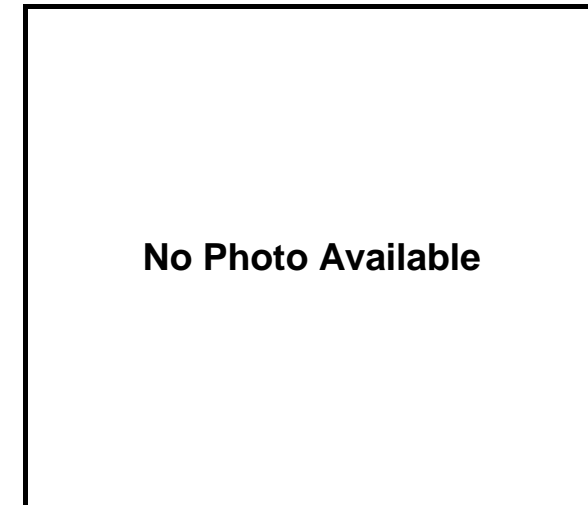
Oper.:

Sub-Contractor: TREC Environmental

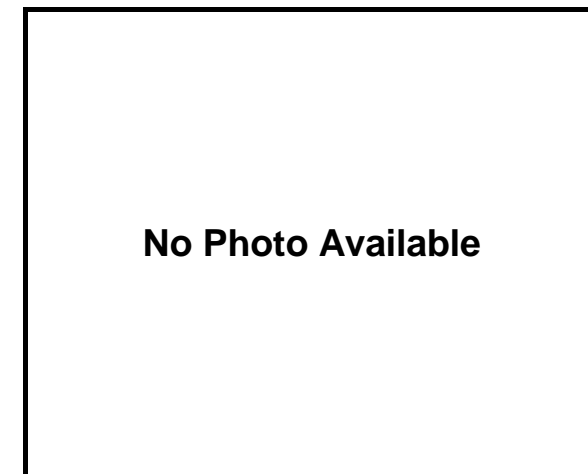
Equipment: JD 200C 1C

TP-33

Depth Below Surface (Ft.)	Sample Number	Depth of Sample	PID (ppm)	Soil & Rock Classifications/Remarks
2			0	0-1': Black sand/silt fill
4			0	
6			0	
8			0	1-7': Brown silt/sand
10			0	
12			0	7-10.5': Rose brown silty fm sand; trace clay; moist wet cobbles (rounded).



TP-33



Remarks: No evidence of contamination. Rock @ 10.5'.

**Test Pit Log**

Project No.: 4216

Page 1 of 1

Test Pit: TP-34

Project Name: Orchard /Whitney RI/IRM

Client: City of Rochester

Dimensions: 10'x4'x9'

Weather: Overcast, 35°

Tech.: ED

Date Started: 3/22/11

Completed: 3/22/11

Oper.:

Sub-Contractor: TREC Environmental

Equipment: JD 200C 1C

Depth Below Surface (Ft.)	Sample Number	Depth of Sample	PID (ppm)	Soil & Rock Classifications/Remarks
2			0	
4			0	
6			0	
8			0	0-8': Fill, ash, brick, block, silt/sand & gravel
10			0	8-9': Rose brown silty sand w/ cobbles
12				

**Site Photos**

TP-34 (Looking north)



TP-34 (Looking northwest)



Remarks: None.

**Test Pit Log**

Project No.: 4216

Page 1 of 1

Test Pit: TP-35

Project Name: Orchard /Whitney RI/IRM

Client: City of Rochester

Dimensions: 10'x4.5'x11'

Weather: Overcast, 35°

Tech.: ED

Date Started: 3/22/11

Completed: 3/22/11

Oper.:

Sub-Contractor: TREC Environmental

Equipment: JD 200C 1C

**Site Photos**

TP-35



TP-35



Depth Below Surface (Ft.)	Sample Number	Depth of Sample	PID (ppm)	Soil & Rock Classifications/Remarks
2			0	
4			0	
6			0	
8			0	
10			0	
12				

Remarks: This test pit is a feature w/ metal pipes cut off @ concrete (unknown feature); uncover 10" VCT pipe @ 5.5'; pipe contents black w. waste/sewer odor 21 ppm peak, sample contents, no staining around pipe or PID readings, pipe trends n/s. Iron pipe run through test pit 1' below concrete, no contents, odors or elevated PID readings associated w/ piping network, no stained soil. Rock @ 11', groundwater @ 8.5'



**Test Pit Log**

Project No.: 4216

Page 1 of 1

Test Pit: TP-36

Project Name: Orchard /Whitney RI/IRM

Client: City of Rochester

Dimensions: 10'x4'x11'

Weather: Overcast, 38°

Tech.: ED

Date Started: 3/22/11

Completed: 3/22/11

Oper.:

Sub-Contractor: TREC Environmental

Equipment: JD 200C 1C

**Site Photos**

TP-36



TP-36



Depth Below Surface (Ft.)	Sample Number	Depth of Sample	PID (ppm)	Soil & Rock Classifications/Remarks
2			0	
4			0	
6			0	0-6': Red-brown silty fc sand w/ fc gravel; moist; cobbles.
8			0	
10			0	
12				6-11': Rose-brown silty sand w/ gravel; cobbles; wet.

Remarks: No evidence of contamination, no sample. Rock @ 11', groundwater @ 8'.

**Test Pit Log**

**Site Photos**

Project No.: 4216

Page 1 of 1

Test Pit: TP-37

Project Name: Orchard /Whitney RI/IRM

Client: City of Rochester

Dimensions: 10'x4.5'x10.5'

Weather: Overcast, 35°

Tech.: ED

Date Started: 3/22/11

Completed: 3/22/11

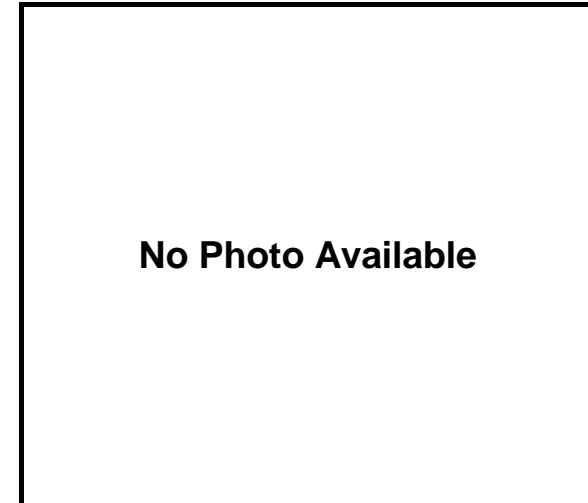
Oper.:

Sub-Contractor: TREC Environmental

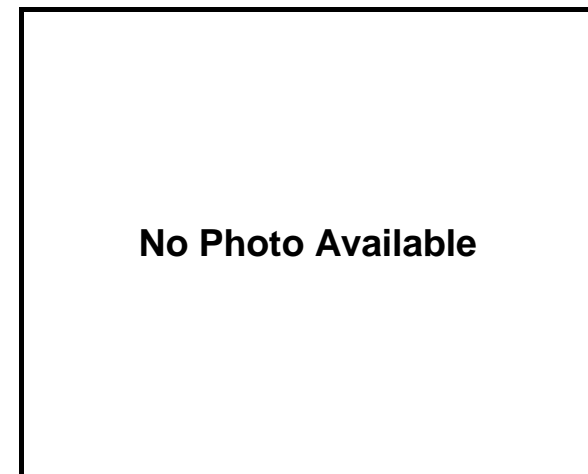
Equipment: JD 200C 1C

TP-37

Depth Below Surface (Ft.)	Sample Number	Depth of Sample	PID (ppm)	Soil & Rock Classifications/Remarks
2			0	0-1': Black sand/silt fill
4			0	
6			0	
8			0	1-7': Brown silt/sand
10			0	
12			0	7-10.5': Rose brown silty fm sand; trace clay; moist wet cobbles (rounded).



TP-37



Remarks: No evidence of contamination. Rock @ 10.5', groundwater @ 9'.

# Appendix D – Soil Boring Logs & Monitoring Well Diagrams

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2230 PENFIELD ROAD  
PENFIELD, NEW YORK 14526

PROJECT

Orchard-Whitney ERP #E828123  
415 Orchard Street and  
354 Whitney Street, Rochester, NY

BORING SB-01

SHEET 1 OF 1  
JOB #: 4216  
CHKD. BY: N/A

CONTRACTOR: Paragon  
DRILLER: Robert  
JCL GEOLOGIST: D. PECK (City)

BORING LOCATION: SEE PLAN  
GROUND SURFACE ELEVATION: N/A DATUM: N/A  
START DATE: 9/23/08 END DATE: 9/23/08

TYPE OF DRILL RIG: Mobil Dill B-59  
CASING SIZE AND TYPE: 4.25" HAS  
OVERBURDEN SAMPLING METHOD: Split Spoon  
ROCK DRILLING METHOD: Tri-cone bit (rotary)

WATER LEVEL DATA

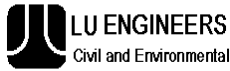
DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE DATA					SAMPLE DESCRIPTION	PID
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1							
2							
3							
4	3				20%	Light brown SILT and f SAND, some m-f gravel, little c-m sand, trace clay, moist, no odor	ND
5	6						
6	8						
7	8						
8	12				75%	Grey SILT and rock fragments, angular, satruated, no odor	7.7
9	15						
10	12					Auger refusal at 7'	
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

**LEGEND**  
S- SPLIT SPOON SOIL SAMPLE  
U- UNDISTURBED SOIL SAMPLE  
C- ROCK CORE SAMPLE

Notes: 1)Refusal at 4.4'- moved back slightly and re-drilled; 2)Refusal at 3.5'- steel plate. Move south 3' and re-drilled.

**GENERAL NOTES:**  
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.



2230 PENFIELD ROAD  
PENFIELD, NEW YORK 14526

PROJECT

Orchard-Whitney ERP #E828123  
415 Orchard Street and  
354 Whitney Street, Rochester, NY

BORING SB-02/MW-08

SHEET 1 OF 1  
JOB #: 4216  
CHKD. BY: N/A

CONTRACTOR:

BORING LOCATION: SEE PLAN

DRILLER:

GROUND SURFACE ELEVATION: N/A DATUM: N/A

JCL GEOLOGIST:

START DATE: 9/23/08 END DATE: 9/23/08

TYPE OF DRILL RIG: Mobil Dill B-59  
CASING SIZE AND TYPE: 4.25" HAS  
OVERBURDEN SAMPLING METHOD: Split Spoon  
ROCK DRILLING METHOD: Tri-cone bit (rotary)

WATER LEVEL DATA

DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE DATA					SAMPLE DESCRIPTION	PID
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1	4				100%	Dark brown SILT and f SAND, some c-m sand, little m-f gravel, moist, no odor	ND
	7						
	9						
2	4					Medium brown SILT and f SAND, some c-m sand, little cmf gravel, trace clay, moist, no odor	0.2
	4						
	3						
3	4					Same as above	0.1
	7						
	6						
4	8					Same as above- stiff, no odor	0.0
	11						
	8						
5	8					Brown SILT and m-f SAND, little cmf gravel, little c sand, little clay, moist/wet, no odor	0.1
	11						
	1						
6	3					Red brown m-f SAND and SILT, some c sand, trace cmf gravel, saturated, compact, no odor	0.0
	3						
	2						
7	3					Red brown cmf SAND and SILT, some cmf gravel, saturated, loose, no odor	0.0
	2						
	1						
8	1					Medium brown cmf SAND and SILT, some cmf gravel, trace clay, stiff, drier with saturated zones, no odor	0.1
	1						
	2						
9	5					Same as above-loose, wet/saturated, no odor	
	4						
	8						
10	9						
	11						
	12						
11	13				50%		
	12						
	50						
12							
13							
14							
15							
16							
17							
18							
19							
20							

LEGEND

- S- SPLIT SPOON SOIL SAMPLE
- U- UNDISTURBED SOIL SAMPLE
- C- ROCK CORE SAMPLE

Notes: Setting well in overburden with 12' screen; btwn 18-6'; sand 6-4.5'; grout/cement

GENERAL NOTES:

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

BORING # SB-02/MW-08



2230 PENFIELD ROAD  
PENFIELD, NEW YORK 14526

PROJECT

Orchard-Whitney ERP #E828123  
415 Orchard Street and  
354 Whitney Street, Rochester, NY

BORING SB-03

SHEET 1 OF 1  
JOB #: 4216  
CHKD. BY: N/A

CONTRACTOR: Paragon  
DRILLER: Rpbert  
JCL GEOLOGIST: D. PECK (City)

BORING LOCATION: SEE PLAN  
GROUND SURFACE ELEVATION: N/A DATUM: N/A  
START DATE: 9/24/08 END DATE: 9/24/08

TYPE OF DRILL RIG: Mobile Dill B-59  
CASING SIZE AND TYPE: 4.25" HAS  
OVERBURDEN SAMPLING METHOD: Split Spoon  
ROCK DRILLING METHOD: Tri-cone bit (rotary)

WATER LEVEL DATA

DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE DATA					SAMPLE DESCRIPTION	PID
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1	6					Brown SILT, trace gravel and roots (fill) Light brown f SAND (fill), dry	0.0
	8						
2	8					No recovery	
	10		0-2	16	50%		
3	5					No recovery	
	5						
4	6					No recovery	
	5		2-4	11	0%		
5	2					No recovery	
	3						
6	3					Brown f SAND, little silt, trace clay, wet	0.0
	2		4-6	6	0%		
7	5					Brown f SAND, little clay and gravel, wet	0.0
	9						
8	14		6-8	14	30%	Auger refusal at 10.6'	
9	6						
10	32					Auger refusal at 10.6'	
	21						
11	15		8-10	53	40%	Auger refusal at 10.6'	
	46		10-10.6		50%		
12	50/1					Auger refusal at 10.6'	
13							
14						Auger refusal at 10.6'	
15							
16						Auger refusal at 10.6'	
17							
18						Auger refusal at 10.6'	
19							
20						Auger refusal at 10.6'	

LEGEND

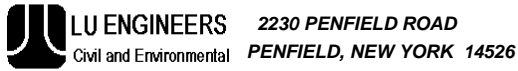
- S- SPLIT SPOON SOIL SAMPLE
- U- UNDISTURBED SOIL SAMPLE
- C- ROCK CORE SAMPLE

Notes:

GENERAL NOTES:

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

BORING # SB-03



PROJECT		BORING SB-04/MW-09
Orchard-Whitney ERP #E828123		SHEET 1 OF 1
415 Orchard Street and 354 Whitney Street, Rochester, NY		JOB #: 4216
		CHKD. BY: N/A

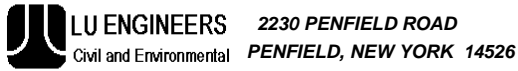
CONTRACTOR: Paragon	BORING LOCATION: SEE PLAN
DRILLER: Robert	GROUND SURFACE ELEVATION: N/A      DATUM: N/A
JCL GEOLOGIST: D. PECK (City)	START DATE: 9/24/08      END DATE: 9/24/08

TYPE OF DRILL RIG: Mobile Drill B-59 CASING SIZE AND TYPE: 4.25" HAS OVERBURDEN SAMPLING METHOD: Split Spoon ROCK DRILLING METHOD: Tri-cone bit (rotary)	WATER LEVEL DATA				
	DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE DATA					SAMPLE DESCRIPTION	PID
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1	9					Concrete sidewalk	
	15					Light brown f SAND (fill), dry	0.0
2	17		0-2	24	40%	Brown f SAND and SILT, trace gravel	0.0
	22						
3	24						
	21						
4	26		2-4	45	60%		
	11						
5	10						
	16						
6	19		4-6	26	60%	Same as above	0.0
	42						
7	21						
	14						
8	14		6-8	35	50%	Same as above- wet at 9'	0.0
	23						
9	14						
	4						
10	2		8-10	18	50%		
	2						
11	13						
	16						
12	20		10-12	29	60%	Grey brown f SAND, little silt, wet (glacial till)	0.0
	22						
13	34					Same as above	
	50/4		12-13.4				
14						Light grey SILT, trace f gravel, dry, firm (till)	0.0
	17						
15	50						
	50.4		14-15.4		50%		
16							
	12						
17	44						
	50/3		16-17.3				
18						Same as above-wet at 18.5'	0.0
			18-18.6		70%		
19							
						Auger refusal at 19.2'	
20							

<b>LEGEND</b> S- SPLIT SPOON SOIL SAMPLE U- UNDISTURBED SOIL SAMPLE C- ROCK CORE SAMPLE	Notes: water at 8.25'; BTC at 1530
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<b>GENERAL NOTES:</b> 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL. 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.	BORING # SB-04/MW-09
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2230 PENFIELD ROAD  
PENFIELD, NEW YORK 14526

PROJECT  
Orchard-Whitney ERP #E828123  
415 Orchard Street and  
354 Whitney Street, Rochester, NY

BORING SB-05  
SHEET 1 OF 1  
JOB #: 4216  
CHKD. BY: N/A

CONTRACTOR: Paragon  
DRILLER: Robert  
JCL GEOLOGIST: LMS

BORING LOCATION: SEE PLAN  
GROUND SURFACE ELEVATION: N/A DATUM: N/A  
START DATE: 9/25/08 END DATE: 9/25/08

TYPE OF DRILL RIG: Mobile Drill B-59  
CASING SIZE AND TYPE: 4.25" HAS  
OVERBURDEN SAMPLING METHOD: Split Spoon  
ROCK DRILLING METHOD: Tri-cone bit (rotary)

WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS

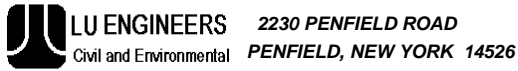
DEPTH	SAMPLE DATA					SAMPLE DESCRIPTION	PID
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1	5					Top soil	
1	2					Medium brown SILT and cmf SAND with c-f GRAVEL, dry, loose, trace coal fragments at 1.0' (fill)	0.0
1	10						
2	5		0-2		70%	Medium brown SILT, some cmf sand, little gravel, moist	0.0
2	4						
3	4						
3	3						
4	9		2-4		50%	Medium brown f SAND and SILT, little c-f gravel, moist (till)	0.0
4	24						
5	30						
5	48						
6	34		4-6		60%	Same as above-compacted	0.0
6	22						
7	34						
7	40						
8	34		6-8		75%	Same as above-wet at 9'	0.0
8	11						
9	27						
9	26						
10	25		8-10		60%	Same as above-saturated at 10', no odor	0.0
10	50/2					Auger refusal at 10.7'	
11							
12			10-12		80%		0.0
13							
14							
15							
16							
17							
18							
19							
20							

**LEGEND**  
S- SPLIT SPOON SOIL SAMPLE  
U- UNDISTURBED SOIL SAMPLE  
C- ROCK CORE SAMPLE

Notes:

GENERAL NOTES:  
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.





2230 PENFIELD ROAD  
PENFIELD, NEW YORK 14526

PROJECT  
Orchard-Whitney ERP #E828123  
415 Orchard Street and  
354 Whitney Street, Rochester, NY

BORING SB-06/MW-10  
SHEET 1 OF 1  
JOB #: 4216  
CHKD. BY: N/A

CONTRACTOR: Paragon  
DRILLER: Robert  
JCL GEOLOGIST: RLF

BORING LOCATION: SEE PLAN  
GROUND SURFACE ELEVATION: N/A DATUM: N/A  
START DATE: 9/25/08 END DATE: 9/25/08

TYPE OF DRILL RIG: Mobile Drill B-59  
CASING SIZE AND TYPE: 4.25" HAS  
OVERBURDEN SAMPLING METHOD: Split Spoon  
ROCK DRILLING METHOD: Tri-cone bit (rotary)

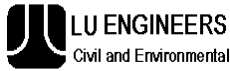
WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE DATA					SAMPLE DESCRIPTION	PID
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1	1				30%	Asphalt Medium brown SILT, some f sand, trace f gravel, moist, no odor	0.0
2	2						
3	3					Medium brown SILT, some cmf sand, little gravel, trace clay, moist, medium stiff, no odor	0.0
4	6						
5	8				75%		
6	15						
7	22					Medium brown SILT and f SAND, little cmf gravel, little c-m sand, moist, no odor (till)	0.0
8	7						
9	16				80%		
10	17						
11	26					Same as above-trace c sand, no odor	0.0
12	32						
13	35				100%		
14	36						
15	27					Same as above-water at 9.5', no odor	0.0
16	4				90%		
17	21						
18	30						
19	30					Same as above-saturated at 11.5', no odor	0.0
20	1				90%		
21	18						
22	26						
23	25					Medium brown SILT and cmf SAND, trace gravel, saturated, no odor	0.0
24	28				60%		
25	33						
26	50.4					Auger refusal at 13.4'	
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							

**LEGEND**  
S- SPLIT SPOON SOIL SAMPLE  
U- UNDISTURBED SOIL SAMPLE  
C- ROCK CORE SAMPLE

Notes: 14.6-14.8- highly fractured, iron stained, water bearing; 15.4'-two verticle fractures; 16.9'- water bearing

GENERAL NOTES:  
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.



2230 PENFIELD ROAD  
PENFIELD, NEW YORK 14526

PROJECT

Orchard-Whitney ERP #E828123  
415 Orchard Street and  
354 Whitney Street, Rochester, NY

BORING SB-07

SHEET 1 OF 1  
JOB #: 4216  
CHKD. BY: N/A

CONTRACTOR: Paragon  
DRILLER: Robert  
JCL GEOLOGIST: RLF

BORING LOCATION: SEE PLAN  
GROUND SURFACE ELEVATION: N/A DATUM: N/A  
START DATE: END DATE:

TYPE OF DRILL RIG: Mobile Drill B-59  
CASING SIZE AND TYPE: 4.25" HAS  
OVERBURDEN SAMPLING METHOD: Split Spoon  
ROCK DRILLING METHOD: Tri-cone bit (rotary)

WATER LEVEL DATA

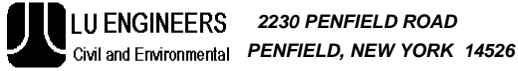
DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE DATA					SAMPLE DESCRIPTION	PID
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1						Fill material, crushed brick and concrete, average size- cmf gravel, cobble	
2							
3							
4							
5							
6							
7							
8							
9							
10	9						
11	12			25%			
12	50/4						
13							
14							
15							
16							
17							
18							
19							
20							

**LEGEND**  
S- SPLIT SPOON SOIL SAMPLE  
U- UNDISTURBED SOIL SAMPLE  
C- ROCK CORE SAMPLE

Notes:

GENERAL NOTES:  
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.



PROJECT  
Orchard-Whitney ERP #E828123  
415 Orchard Street and  
354 Whitney Street, Rochester, NY

BORING SB-19  
SHEET 1 OF 1  
JOB #: 4216  
CHKD. BY: N/A

CONTRACTOR: Paragon  
DRILLER: Robert  
JCL GEOLOGIST:

BORING LOCATION: SEE PLAN  
GROUND SURFACE ELEVATION: N/A DATUM: N/A  
START DATE: 10/3/08 END DATE: 10/3/08

TYPE OF DRILL RIG: Mobile Drill B-59  
CASING SIZE AND TYPE: 4.25" HAS  
OVERBURDEN SAMPLING METHOD: Split Spoon  
ROCK DRILLING METHOD: Tri-cone bit (rotary)

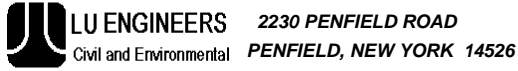
WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE DATA					SAMPLE DESCRIPTION	PID
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1						Concrete	
2							
3	50/2					Brown cmf SAND and GRAVEL, dry, no odor	0.0
4							
5	17					12 ppm on augers	
6	9					Brown SILT and cmf SAND, some cmf gravel, dry, no odor	0.0
7	8						
8	5						
9							
10							
11	10					Brown SILT and m-f SAND, little c SAND, wet, no odor	0.0
12	10						
13							
14							
15							
16	14					SILT and f SAND, some c-m SAND, some cmf gravel, wet, compact	1.3 ppm
17	38						
18	15						
19	48						
20						Auger refusal at 18'	

**LEGEND**  
S- SPLIT SPOON SOIL SAMPLE  
U- UNDISTURBED SOIL SAMPLE  
C- ROCK CORE SAMPLE

Notes:

GENERAL NOTES:  
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED. FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.



2230 PENFIELD ROAD  
PENFIELD, NEW YORK 14526

PROJECT  
Orchard-Whitney ERP #E828123  
415 Orchard Street and  
354 Whitney Street, Rochester, NY

BORING SB-20  
SHEET 1 OF 1  
JOB #: 4216  
CHKD. BY: N/A

CONTRACTOR: Paragon  
DRILLER: Robert  
JCL GEOLOGIST: GLA

BORING LOCATION: SEE PLAN  
GROUND SURFACE ELEVATION: N/A DATUM: N/A  
START DATE: 10/6/08 END DATE: 10/3/08

TYPE OF DRILL RIG: Mobile Drill B-59  
CASING SIZE AND TYPE: 4.25" HAS  
OVERBURDEN SAMPLING METHOD: Split Spoon  
ROCK DRILLING METHOD: Tri-cone bit (rotary)

WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE DATA					SAMPLE DESCRIPTION	PID
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1							
2							
3					2%	Grey SILT and cmf SAND, little cmf gravel, trace clay	0.0
4							
5							
6							
7						Similar soil, moist, no odor	0.0
8							
9							
10							
11							
12						Brown/grey cmf GRAVEL and cmf SAND, some silt, wet, no odor	0.0
13							
14							
15						Auger refusal at 14.5'	
16							
17							
18							
19							
20							

**LEGEND**  
S- SPLIT SPOON SOIL SAMPLE  
U- UNDISTURBED SOIL SAMPLE  
C- ROCK CORE SAMPLE

Notes:

**GENERAL NOTES:**  
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.



PROJECT	BORING PA-01
Orchard Whitney	SHEET 1 OF 2
	JOB #: 4216
	CHKD. BY:

CONTRACTOR: Nothnagle Drilling	BORING LOCATION: SEE PLAN
DRILLER: Kevin	GROUND SURFACE ELEVATION: DATUM: N/A
JCL PERSONNEL: ED/GLA	START DATE: 7/5/11 END DATE: 7/6/11

TYPE OF DRILL RIG: Bk81 (CME85) CASING SIZE AND TYPE: 2" OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band ROCK DRILLING METHOD: NA	WATER LEVEL DATA				
	DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE DATA					SAMPLE DESCRIPTION	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1	35 ↓	1 ↓		NA	50% ↓	Grey-brown silt with cmf sand some cmf gravel, dry	0-4': 0
2						@ 2'; medium brown cmf sand with silt; some cmf gravel; moist	
3							
4			4.0			@ 4'; pushed through concrete (2")	4-8': 0
5		2 ↓			45% ↓		
6						@ 6'; wet	
7						@ 7'; wet	
8			8.0			@ 8'; saturated, medium brown silt; little mf sand; little cmf gravel	8-12': 0
9		3 ↓			50% ↓		
10						@ 10'(+/-) grey silt; moist (till)	
11							
12			12			@ 12'; grey silt with f sand; some cmf gravel (rounded); moist-dry	12-14.7': 0
13		4 ↓			10% ↓		
14							
15			14.7				
16	375 ↓	5 ↓			95% ↓	@ 16'; grey-brown f sand with silt and cmf rounded gravel; dense; moist	16-20': 0
17							
18							
19							
20							@ 20': 0.1

<b>LEGEND</b> S- SPLIT SPOON SOIL SAMPLE U- UNDISTURBED SOIL SAMPLE C- ROCK CORE SAMPLE	Spoon refusal; no elevated PID readings/odors noted
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GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.  
 bgs = below ground surface  
 ppm = parts per million



PROJECT	BORING PA-01
Orchard Whitney	SHEET 2 OF 2
	JOB #: 4216
	CHKD. BY:

CONTRACTOR: Nothnagle Drilling	BORING LOCATION: SEE PLAN
DRILLER: Kevin	GROUND SURFACE ELEVATION: DATUM: N/A
JCL PERSONNEL: ED/GLA	START DATE: 7/5/11 END DATE: 7/6/11

TYPE OF DRILL RIG: Bk81 (CME85) CASING SIZE AND TYPE: 2" OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band ROCK DRILLING METHOD: NA	WATER LEVEL DATA				
	DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE DATA					SAMPLE DESCRIPTION	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
21	370 ↓	6 ↓	20		75% ↓	@ 20' similar soils but with cmf sand; saturated @ 20.5'; moist @ 20.5'; moist	20': 0 21': 0.1
22							22': 0.2
23							23': 0
24							24': 0
25	280 ↓	7 ↓			80% ↓	@ 25.5'; saturated; mf gravel lense with silt	24-26.5': 0
26			26.5				
27						Augered from 24 to 28' (through boulder) no sample from 26.5 to 28'	
28					50% ↓	@ 28'; grey mf sand; little to no silt; saturated	28-32': 0
29	160 ↓	8 ↓	28				
30							
31							
32			32				32-35': 0
33		9 ↓			90% ↓		
34						@ 34'; grey cmf gravel with mf sand; little silt; saturated	
35			35				
36					0 ↓		
37						T.D. with macrocove= 36' bgs, Augers to 36'	
38							
39							
40							

<b>LEGEND</b> S- SPLIT SPOON SOIL SAMPLE U- UNDISTURBED SOIL SAMPLE C- ROCK CORE SAMPLE	Build microwell: screen 36-26; sand 36-24, bentonite 24-22' Cuttings to grade
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GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.  
 bgs = below ground surface  
 ppm = parts per million



PROJECT	BORING PA-02
Orchard Whitney	SHEET 1 OF 1
	JOB #: 4216-03
	CHKD. BY:

CONTRACTOR: Nothnagle Drilling	BORING LOCATION: SEE PLAN
DRILLER: Kevin	GROUND SURFACE ELEVATION: DATUM: N/A
JCL PERSONNEL: ED	START DATE: 7/6/11 END DATE: 7/6/11

TYPE OF DRILL RIG: Bk81 (CME85) CASING SIZE AND TYPE: 2" OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band ROCK DRILLING METHOD: NA	WATER LEVEL DATA				
	DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE DATA					SAMPLE DESCRIPTION	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1	22	1			50%	medium brown silt wih mf sand and cmf gravel; moist	0-4: 0
	↓				↓		
2							
3						@ 3'; 3" clay lense	
4			4.0				4-8: 0
5	28	2			40%		
	↓				↓		
6							
7							
8			8.0			@ 7.5' (+/-); medium brown silt and cmf sand; some cmf gravel; wet	
9	260	3			75%	@ 8.5'; medium brown f sand withsilt; some cmf gravel, moist	8-12: 0
	↓				↓	@9'; green yellow discoloration (2")	
10						@ 10'; rose-grey till as above	
11							
12			12.0				12-16: 0
13	305	4			85%	@ 12.5'; grey silt; little f sand; moist-dry; little rounded mf gravel	
	↓				↓		
14							
15							
16			16.0			@ 16'; wet	16-17.7: 0
17	250	5				@ 16.5'; rose-grey	
	↓						
18			17.7				
19							
20							

<b>LEGEND</b> S- SPLIT SPOON SOIL SAMPLE U- UNDISTURBED SOIL SAMPLE C- ROCK CORE SAMPLE	Collected soil sample @9' (discoloration) Collected soil sample from 16-17.7' Spoon refusal @ 17.7; Augers to 18.5 <b>Set well @ 18.5 w/ 10' screen; sandpack 18.5-7.5 bentonite 7.5-5.5</b>
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<b>GENERAL NOTES:</b> 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual. 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring. bgs = below ground surface ppm = parts per million	BORING # PA-02
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PROJECT	BORING PA-03
Orchard Whitney	SHEET 1 OF 1
	JOB #: 4216-03
	CHKD. BY:

CONTRACTOR: Nothnagle Drilling	BORING LOCATION: SEE PLAN
DRILLER: Kevin	GROUND SURFACE ELEVATION: DATUM: N/A
JCL PERSONNEL: ED	START DATE: 7/6/11      END DATE: 7/7/11

TYPE OF DRILL RIG: Bk81 (CME85) CASING SIZE AND TYPE: 2" OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band ROCK DRILLING METHOD: NA	WATER LEVEL DATA				
	DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE DATA					SAMPLE DESCRIPTION	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1	120 ↓	1 ↓			30% ↓	Grey-brown silt and mf sand and cmf gravel fill; dry	0': 0 1': 0.2
2							2': 0.6
3							3': 0.1
4			4			@ 4'; medium brown cmf sand with silt; cmf gravel; moist	4': 0 4-8': 0
5	42 ↓	2 ↓			44% ↓	@ 5' (+/-); 3" clay lense; moist @ 5.75' (+/-); 2" clay lense; moist	
6							
7						@ 7.5'; saturated	
8			8.0			@ 8'; grey brown silt with f sand; little mf gravel; moist	8-12': 0
9		3 ↓			88% ↓		
10	380 ↓					@ 9.5'; grey f sand with silt; some cmf gravel; dry-moist (Till)	
11							
12			12.0				12-16': 0
13		4 ↓			75% ↓	@ 12.5'; wet @ 12.75'; moist	
14	375 ↓					@ 15.0'; weathered rock, wet @ 15.25'; grey silt with f sand; some mf rounded gravel; moist	
15							
16			16.0				16-17.6': 0
17	320 ↓	5 ↓			100% ↓		
18			17.6				
19							
20							

<b>LEGEND</b> S- SPLIT SPOON SOIL SAMPLE U- UNDISTURBED SOIL SAMPLE C- ROCK CORE SAMPLE	Spoon refusal= 17.6'; Augers refusal @ 18.3' Sandpack 18.3-7.3'; Bentonite 7.3-5.3' cuttings to grade
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GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.  
 bgs = below ground surface  
 ppm = parts per million





PROJECT	BORING PA-04
Orchard Whitney	SHEET 1 OF 1
	JOB #: 4216-03
	CHKD. BY:

CONTRACTOR: Nothnagle Drilling	BORING LOCATION: SEE PLAN
DRILLER: Kevin	GROUND SURFACE ELEVATION: DATUM: N/A
JCL PERSONNEL: ED	START DATE: 7/7/11      END DATE: 7/7/11

TYPE OF DRILL RIG: Bk81 (CME85) CASING SIZE AND TYPE: 2" OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band ROCK DRILLING METHOD: NA	WATER LEVEL DATA				
	DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE DATA					SAMPLE DESCRIPTION	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1	24 ↓	1			25% ↓	Brown silt with cmf sand; some cmf gravel; moist	0-4': 0
2							
3						@ 3.8'; brown cmf sand with silt; little mf gravel; moist	
4			4				4-8': 0
5	45 ↓	2			40% ↓	@ 4.5'; olive-brown silt; little mf sand; trace clay; little cmf gravel; moist-wet  (Perched water over till)	
6							
7							
8			8			@ 7.5'; brown mf sand with silt, and cmf gravel; wet	8-12': 0
9	308 ↓	3			72% ↓	@ 8.2'; light brown f sand with silt; some cmf rounded gravel (grades to rose/light brown to grey @ 9.5' (+/-)); moist	
10							
11							
12			12				12-16': 0
13	375 ↓	4			80% ↓	@ 12.2'; grey f sand with silt; little cmf gravel; moist	
14							
15							
16			16			@ 15.75'; grey silt with f sand; trace mf rounded gravel, moist	
17	27.5 ↓	5			100% ↓		
18			17.9				
19							
20							

<b>LEGEND</b> S- SPLIT SPOON SOIL SAMPLE U- UNDISTURBED SOIL SAMPLE C- ROCK CORE SAMPLE	Spoon refusal= 17.9'; Auger to 18'; set miniwell screen 18.8' sandpack 18.6' bentonite 6'-4' with cuttings to grade
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GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.  
 bgs = below ground surface  
 ppm = parts per million



PROJECT	BORING PA-05
Orchard Whitney	SHEET 1 OF 1
	JOB #: 4216-03
	CHKD. BY:

CONTRACTOR: Nothnagle Drilling	BORING LOCATION: SEE PLAN
DRILLER: Kevin	GROUND SURFACE ELEVATION: DATUM: N/A
JCL PERSONNEL: ED	START DATE: 7/7/11 END DATE: 7/7/11

TYPE OF DRILL RIG: Bk81 (CME85) CASING SIZE AND TYPE: 2" OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band ROCK DRILLING METHOD: NA	WATER LEVEL DATA				
	DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE DATA					SAMPLE DESCRIPTION	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1	44	1			55%	@ 0'; medium brown mf sand; trace silt; trace cmf gravel, gravel	0-4': 0
2	↓				↓	@ 1.5'; brown silt and cmf sand with cmf gravel; moist	
3							
4			4.0			@ 3.9'; olive-brown silt with clay; some cmf gravel, moist	4-8': 0
5	57	2			23%	@4.5'; trace clay; wet	
6	↓				↓		
7							
8			8.0			@ 8.5'; grey-brown silt with f sand; little cmf gravel; wet; Fe mottling	8-12': 0
9	390	3			90%		
10	↓				↓	@ 9.4'; grey f sand, some silt and cmf gravel; moist	
11							
12			12.0				12-16': 0
13	400	4			90%		
14	↓				↓		
15						@15.5'; grey silt; little f sand; trace cmf gravel; moist	
16							16-16.9': 0
17	122	5				@ 16.2'; push through rock (dolostone)	
18	↓	↓	16.9			@ 16.0'; grey f sand; some silt and cmf gravel; moist	
19							
20							

<b>LEGEND</b> S- SPLIT SPOON SOIL SAMPLE U- UNDISTURBED SOIL SAMPLE C- ROCK CORE SAMPLE	Spoon refusal @ 16.9'; Auger refusal @ 17.3'; Not enough water on rock to install well, plug boring from 16.9- 11' with bentonite to not let perched shallow water downhole
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GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.

bgs = below ground surface  
ppm = parts per million



PROJECT	BORING PA-06
Orchard Whitney	SHEET 1 OF 1
	JOB #: 4216-03
	CHKD. BY:

CONTRACTOR: Nothnagle Drilling	BORING LOCATION: SEE PLAN
DRILLER: Kevin	GROUND SURFACE ELEVATION: DATUM: N/A
JCL PERSONNEL: ED	START DATE: 7/7/11 END DATE: 7/7/11

TYPE OF DRILL RIG: Bk81 (CME85) CASING SIZE AND TYPE: 2" OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band ROCK DRILLING METHOD: NA	WATER LEVEL DATA				
	DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE DATA					SAMPLE DESCRIPTION	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1	18	1			55%	0-0.5' concrete/asphalt	0-4': 0
	↓				↓	@ 0.5'; light brown mf sand and cmf gravel; little silt; moist fill; brick to 1'	
2						@ 2'; grey brown stil with f sand; some cmf gravel; moist	
3							
4			4.0			@4'; trace clay	
5	28	2			30%		5': 0.6
	↓				↓		
6							6-8': 0
7						@7'; medium brown	
8			8.0			@8'; saturated mf sand with silt; not enough recovery for analytical sample	
9	34				5%		
	↓				↓		
10							
11							
12							
13	32				0%		12-13.7': 0
	↓				↓	@13.7'; wood on top of concrete in shoe	
14						(likely wood from chimney footer form and concrete footer sits on top of rock; no til observed, likely excavated to bedrock)	
15							
16							
17							
18							
19							
20							

<b>LEGEND</b> S- SPLIT SPOON SOIL SAMPLE U- UNDISTURBED SOIL SAMPLE C- ROCK CORE SAMPLE
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GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.

bgs = below ground surface  
ppm = parts per million



PROJECT	BORING PA-07
Orchard Whitney	SHEET 1 OF 1
	JOB #: 4216-03
	CHKD. BY:

CONTRACTOR: Nothnagle Drilling	BORING LOCATION: SEE PLAN
DRILLER: Kevin	GROUND SURFACE ELEVATION: DATUM: N/A
JCL PERSONNEL: ED	START DATE: 7/8/11 END DATE: 7/8/11

TYPE OF DRILL RIG: Bk81 (CME85) CASING SIZE AND TYPE: 2" OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band ROCK DRILLING METHOD: NA	WATER LEVEL DATA				
	DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE DATA					SAMPLE DESCRIPTION	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1	22	1			25%	0- 0.5'; concrete asphalt	1': 1.5
	↓				↓	0.5'; orange-brown f sand; trace mf gravel; with brick fragments; moist (fill)	
2							2-4': 0
3							
4			4.0				
5	27	2			35%		5': 0.5
	↓				↓		5.5-8': 0
6							
7						@7'; saturated	
						@7.8'; olive-brown silt; some clay; wet	
8			8.0				8-12': 0
9	100	3			45%	@8.3'; grey-brown f sand with silt; some cmf gravel (rounded); moist	
	↓				↓		
10							
11						@11.0'; grey silt with f sand; trace mf gravel moist	
12			12.0				12-16': 0
13	280	4			75%	@13.1'; grey f sand with silt; little cmf gravel; moist	
	↓				↓		
14							
15						@15'; wet	
16			16.0			@16'; push through weathered bedrock	16-16.6': 0
17	240	5	16.6		100%		
	↓				↓		
18							
19							
20							

<b>LEGEND</b> S- SPLIT SPOON SOIL SAMPLE U- UNDISTURBED SOIL SAMPLE C- ROCK CORE SAMPLE	Spoon refusal @ 16.6'; Auger refusal @ 16.7' Set miniwell @ 16.7' (10' screen) sandpack 16.7-5'; bentonite 5'-3'
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GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.

bgs = below ground surface  
ppm = parts per million



PROJECT	BORING PA-08
Orchard Whitney	SHEET 1 OF 1
	JOB #: 4216-03
	CHKD. BY:

CONTRACTOR: Nothnagle Drilling	BORING LOCATION: SEE PLAN
DRILLER: Kevin	GROUND SURFACE ELEVATION: DATUM: N/A
JCL PERSONNEL: ED	START DATE: 7/8/11 END DATE: 7/8/11

TYPE OF DRILL RIG: Bk81 (CME85) CASING SIZE AND TYPE: 2" OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band ROCK DRILLING METHOD: NA	WATER LEVEL DATA				
	DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE DATA					SAMPLE DESCRIPTION	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1	22	1			35%	0-1'; stone and brown silt; cmf gravel; moist	0-4': 0
	↓				↓	@ 1'; olive-light brown silt with clay; little mf gravel; moist	
2						@ 2'; red-brown silt with mf sand; some cmf gravel; wet	
3						@ 3'; silt with clay as above (@ 1')	
4			4.0			@ 4'; no clay; cm gravel; wet	4-8': 0
	30	2			5%		
5	↓				↓		
6							
7							
8			8.0				8-12': 0
	380				90%	@ 8.5' (+/-); olive- light brown f sand with silt; little cmf gravel, Fe mottling, moist	
9	↓				↓	@ 9.5'; rose-grey	
10							
11							
12			12				12-16': 0
	260				95%		
13	↓				↓		
14						@ 14.5'; grey silt; some f sand; trace mf gravel; moist	
15							
16			16.0			@ 16'; saturated	16-18.8': 0
	400				100%		
17	↓				↓		
18						@ 18'; weathered bedrock	
19			18.8				
	83						
20	↓		20.4				

<b>LEGEND</b> S- SPLIT SPOON SOIL SAMPLE U- UNDISTURBED SOIL SAMPLE C- ROCK CORE SAMPLE	Spoon refusal @ 18.8; Auger to 20'; drive final spoon to refusal @ 20.4'; set nested pair of miniwells; Deep well set @ 20.4' (5' screen) from 20-15'; sandpack 20-14'; 3' bentonite (14-11)'; Shallow well screen 10.5-5.5' and sand 11-4'; bentonite 4-2'
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<b>GENERAL NOTES:</b> 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual. 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring. bgs = below ground surface ppm = parts per million	BORING # PA-08
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PROJECT	BORING PA-09
Orchard Whitney	SHEET 1 OF 1
	JOB #: 4216-03
	CHKD. BY:

CONTRACTOR: Nothnagle Drilling	BORING LOCATION: SEE PLAN
DRILLER: Kevin	GROUND SURFACE ELEVATION: DATUM: N/A
JCL PERSONNEL: ED	START DATE: 7/11/11      END DATE: 7/11/11

TYPE OF DRILL RIG: Bk81 (CME85) CASING SIZE AND TYPE: 2" OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band ROCK DRILLING METHOD: NA	WATER LEVEL DATA				
	DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE DATA					SAMPLE DESCRIPTION	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1	25 ↓	1			25% ↓	@ 0.0'; brown silt; some cmf sand and cmf gravel; dry @ 0.5'; black cinders/slag fill	0-4': 0
2							
3						@ 3'; brown silt with mf sand; some cm gravel; moist	
4			4.0			@ 4.0'; olive-grey silt/clay lense; moist	4-8': 0
5	21 ↓	2			50% ↓	@ 4.2'; brown silt; mf sand and some cmf gravel; moist	
6						@ 6.0' (+/-); wet	
7						@ 7.0'; medium brown f sand; some silt; little mf gravel; saturated	
8			8.0			@ 8.3'; rose-grey f sand with silt; some cmf rounded gravel; moist	8-12': 0
9	285 ↓	3			90% ↓		
10							
11							
12			12.0				12-16': 0
13	415 ↓				100% ↓	@ 13.0'; grey silt; little f sand; trace mf gravel	
14							
15							
16			16.0			@ 16.0'; grey f sand; trace silt; saturated	16-16.9': 0
17	210 ↓				100% ↓		
18							
19							
20							

<b>LEGEND</b> S- SPLIT SPOON SOIL SAMPLE U- UNDISTURBED SOIL SAMPLE C- ROCK CORE SAMPLE	Spoon refusal @ 16.9'; auger refusal @ 17.0'; set miniwell @ 17' with 10' screen; sand pack to 5'; 2.5' bentonite seal
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GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.

bgs = below ground surface  
ppm = parts per million



PROJECT	BORING PA-10
Orchard Whitney	SHEET 1 OF 1
	JOB #: 4216-03
	CHKD. BY:

CONTRACTOR: Nothnagle Drilling	BORING LOCATION: SEE PLAN
DRILLER: Kevin	GROUND SURFACE ELEVATION: DATUM: N/A
JCL PERSONNEL: ED	START DATE: 7/11/11      END DATE: 7/11/11

TYPE OF DRILL RIG: Bk81 (CME85) CASING SIZE AND TYPE: 2" OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band ROCK DRILLING METHOD: NA	WATER LEVEL DATA				
	DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE DATA					SAMPLE DESCRIPTION	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1	21 ↓	1			50% ↓	@ 0.0'; brown silt, mf sand and cmf gravel; dry fill @ 0.5'; black cinder/slag/ash layer (6") @ 1' (+/-) brown f sand; some silt; some cmf gravel; moist	0-4:0
2							
3							
4			4.0		50%	@ 4.2'; olive-grey silt/clay layer; moist	4-8:0
5	44 ↓				↓		
6						@ 5'; orange-brown f sand; little sand; saturated	
7						@ 7'; medium brown silt with f sand and cmf gravel; saturated	
8			8.0				8-12:0
9	220 ↓				77% ↓	@ 8.75'; light brown f sand; little silt; some cmf gravel; wet	
10						@ 10.5'; grey, moist	
11							
12			12.0				12-16:0
13	410 ↓				100% ↓	@ 13.1'; grey silt; little trace f sand; moist	
14							
15							
16						@ 16'; grey f sand; little silt; saturated	16-16.9:0
17	130 ↓		16.9				
18							
19							
20							

<b>LEGEND</b> S- SPLIT SPOON SOIL SAMPLE U- UNDISTURBED SOIL SAMPLE C- ROCK CORE SAMPLE	Spoon refusal= 16.9'; set nested pr. of miniwells; Deep: 17 to 12 screen; Auger refusal= 17
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GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.

bgs = below ground surface  
ppm = parts per million



PROJECT	BORING PA-11
Orchard Whitney	SHEET 1 OF 1
	JOB #: 4216-03
	CHKD. BY:

CONTRACTOR: Nothnagle Drilling	BORING LOCATION: SEE PLAN
DRILLER: Kevin	GROUND SURFACE ELEVATION: DATUM: N/A
JCL PERSONNEL: ED	START DATE: END DATE:

TYPE OF DRILL RIG: Bk81 (CME85) CASING SIZE AND TYPE: 2" OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band ROCK DRILLING METHOD: NA	WATER LEVEL DATA				
	DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE DATA					SAMPLE DESCRIPTION	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1	70 ↓	1			30% ↓	@ 0'; orange-brown f sand; little silt; moist	0-4': 0
2						@ 2'; encounter rock fragments and concrete	
3							
4			4.0			@ 4.1'; olive-grey clay with silt; moist; medium plasticity	4-8': 0
5		2			55% ↓	@ 5'; with mf sand, mf gravel	
6						@ 5.2; same as 4.1'	
7							
8			8.0			@ 7.9'; saturated	
9	215 ↓	3			40% ↓	@ 8.2; olive-light brown silt and clay; some cmf gravel; some mf sand; saturated	8-12': 0
10							
11							
12		4	12.0			@ 12.2'; grey silt with f sand; trace of gravel; saturated	12.2': 1.8
13	410 ↓				80% ↓		12.5': 37
14						@ 14'; grey f sand with silt; saturated	13': 10
15						@ 15.6'; weather rock; cmf gravel (saturated)	14': 18
16			16.0				15': 5.7
17							16': 1
18							
19							
20							

<b>LEGEND</b> S- SPLIT SPOON SOIL SAMPLE U- UNDISTURBED SOIL SAMPLE C- ROCK CORE SAMPLE	12-16'; petrol-type odor (light, degraded) Miniwell screen= 16'-6'; sandpack= 16'-4'; bentonite= 4' to 2' bgs Auger/spoon refusal @ 16'
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GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.  
 bgs = below ground surface  
 ppm = parts per million





PROJECT	BORING PA-12
Orchard Whitney	SHEET 1 OF 2
	JOB #: 4216-03
	CHKD. BY:

CONTRACTOR: Nothnagle Drilling	BORING LOCATION: SEE PLAN
DRILLER: Kevin	GROUND SURFACE ELEVATION: DATUM: N/A
JCL PERSONNEL: ED	START DATE: 7/12/11 END DATE: 7/12/11

TYPE OF DRILL RIG: Bk81 (CME85) CASING SIZE AND TYPE: 2" OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band ROCK DRILLING METHOD: NA	WATER LEVEL DATA				
	DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE DATA					SAMPLE DESCRIPTION	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1	21	1			50%	Brown silt with cmf sand and cmf gravel; moist	0-4': 0
	↓				↓		
2							
3						@ 3'; 3" clay lense; olive-grey, moist	
4			4.0				4-8': 0
5	25	2			50%	@ 5'; wet	
	↓				↓		
6							
7						@ 7'; saturated	
8			8.0			@ 9; rose-grey f sand with silt; some cmf gravel; wet, moist	8-12': 0
9	180				68%	@ 10; grey silt; some f sand; true f gravel; moist	
	↓	3			↓		
10							
11							
12			12.0			@ 12.2; grey-light brown f sand; some silt; little mf gravel; moist; dense	12-14.6': 0
13	430				100%	@ 15'; grey	15-19': 0
	↓				↓		
14			14.6				
15							
16	440				95%		
	↓				↓		
17							
18							
19							
20	360				80%		
					↓		

<b>LEGEND</b> S- SPLIT SPOON SOIL SAMPLE U- UNDISTURBED SOIL SAMPLE C- ROCK CORE SAMPLE	Spoon refusal @ 14.6'; auger to 15' continue sampling
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GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.

bgs = below ground surface  
ppm = parts per million



PROJECT	BORING PA-12
Orchard Whitney	SHEET 2 OF 2
	JOB #: 4216-03
	CHKD. BY:

CONTRACTOR: Nothnagle Drilling	BORING LOCATION: SEE PLAN
DRILLER: Kevin	GROUND SURFACE ELEVATION: DATUM: N/A
JCL PERSONNEL: ED	START DATE: 7/12/11      END DATE: 7/12/11

TYPE OF DRILL RIG: Bk81 (CME85) CASING SIZE AND TYPE: 2" OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band ROCK DRILLING METHOD: NA	WATER LEVEL DATA				
	DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE DATA					SAMPLE DESCRIPTION	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
21	360 ↓				80% ↓	@ 21'; saturated	19-23: 0
22							
23							
24	165 ↓	24					
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							

<b>LEGEND</b> S- SPLIT SPOON SOIL SAMPLE U- UNDISTURBED SOIL SAMPLE C- ROCK CORE SAMPLE	Spoon refusal @ 24.1, auger refusal= 24.2'
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GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.

bgs = below ground surface  
ppm = parts per million



PROJECT	BORING PA-13
Orchard Whitney	SHEET 1 OF 1
	JOB #: 4216-03
	CHKD. BY:

CONTRACTOR: Nothnagle Drilling	BORING LOCATION: SEE PLAN
DRILLER: Kevin	GROUND SURFACE ELEVATION: DATUM: N/A
JCL PERSONNEL: ED	START DATE: 7/12/11      END DATE: 7/13/11

TYPE OF DRILL RIG: Bk81 (CME85) CASING SIZE AND TYPE: 2" OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band ROCK DRILLING METHOD: NA	WATER LEVEL DATA				
	DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE DATA					SAMPLE DESCRIPTION	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1	36 ↓				45% ↓	Brown silt with cmf sand and cmf gravel; moist	0-4': 0
2						@ 1.7'; soil behaves similar to asphalt patch, flowing and "sticky"; wet	
3							
4			4.0			@ 3.8'; olive-grey clay lensej; moist	4-8': 0
5	32 ↓				25% ↓	@4.5'; brown cmf sand with silt; some cmf gravel; wet	
6							
7						@ 7'; brown silt; some cmf sand; some cmf gravel; saturated	
8			8.0				
9					75% ↓	@ 8.7'; grey f sand; some silt; some cmf gravel; wet	8.5': 24.6
10						@9'; moist	9': 18
11	275 ↓						9.5': 62
12			12.0				10': 17
13							11': 20
14	260 ↓						11.5': 6.7
15							12': 3.4
16							13': 1.2
17	140 ↓						14': 0.3
18			17.8				15': 0.2
19							16': 2.4
20							17': 0
							17.8': 0

<b>LEGEND</b> S- SPLIT SPOON SOIL SAMPLE U- UNDISTURBED SOIL SAMPLE C- ROCK CORE SAMPLE	Boring is west of tank 6 vault (known contamination from UST removals) Spoon refusal @ 17.8'; Auger refusal @ 19.5'
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<b>GENERAL NOTES:</b> 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual. 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring. bgs = below ground surface ppm = parts per million	BORING # PA-13
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PROJECT	BORING PA-14
Orchard Whitney	SHEET 1 OF 1
	JOB #: 4316-03
	CHKD. BY:

CONTRACTOR: Nothnagle Drilling	BORING LOCATION: SEE PLAN
DRILLER: Kevin	GROUND SURFACE ELEVATION: DATUM: N/A
JCL PERSONNEL: ED	START DATE: 7/13/11 END DATE: 7/13/11

TYPE OF DRILL RIG: Bk81 (CME85) CASING SIZE AND TYPE: 2" OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band ROCK DRILLING METHOD: NA	WATER LEVEL DATA				
	DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE DATA					SAMPLE DESCRIPTION	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1	24				50%	@ 0': brown cmf sand; little silt; some cmf gravel; moist	0': 0
	↓				↓		1': 0
2							2': 0
3							3': .2
4			4.0				4': 1.9
5	24				50%	@5'; red-brown f sand with silt; little mf gravel; wet	5': 2.0
	↓				↓		
6						@6'; olive-brown silt; little f sand; little cmf gravel; wet; petroleum odor	6': 0.5
7						@7'; saturated	7': 286.4
8			8.0				8': 176.4
9					75%		9': 117
	↓				↓		
10	290					@10'; grey f sand; some silt; little cmf gravel; moist	10': 502
	↓						
11							11': 50
12			12.0				11.5': 13.6
					100%	@ 12.5'; grey silt; little f sand; trace mf gravel; moist	12': 16.3
13					↓		13': 63
14	455						14': 66
	↓						
15							15': 86
16			16.0			@ 16.8'; saturated f sand with silt	16': 6.4
17	206				100%		17': 1
	↓				↓		
18			17.6				17.6': 0.5
19							
20							

<b>LEGEND</b> S- SPLIT SPOON SOIL SAMPLE U- UNDISTURBED SOIL SAMPLE C- ROCK CORE SAMPLE	Spoon refusal= 17.6'; auger 18' Screen miniwell from 18-8' with sandpack to 6'
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GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.

bgs = below ground surface  
ppm = parts per million



PROJECT	BORING PA-15
Orchard Whitney	SHEET OF
	JOB #: 4216-03
	CHKD. BY:

CONTRACTOR: Nothnagle Drilling	BORING LOCATION: SEE PLAN
DRILLER: Kevin	GROUND SURFACE ELEVATION: DATUM: N/A
JCL PERSONNEL: ED	START DATE: 7/13/11 END DATE: 7/13/11

TYPE OF DRILL RIG: Bk81 (CME85) CASING SIZE AND TYPE: 2" OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band ROCK DRILLING METHOD: NA	WATER LEVEL DATA				
	DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE DATA					SAMPLE DESCRIPTION	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1	45	1			12%	@ 0'; brown silt with clay; little cmf sand; cmf gravel; red stone @ 1-2' (very little recovery); moist	0-4': 0
2							
3							
4			4.0				4-8': 0
5	55	2			18%	@ 5' (+/-); black-brown mf sand and slag/cinder fill; dry	
6							
7						@ 7.0'; light brown silt with cmf gravel; trace f sand; saturated	
8			8.0				
9		3			70%		9': 15
10	80					@ 10'; olive-light brown silt with f sand; moist	10': 5
11						@ 10.7'; grey silt; some f sand; trace mf gravel; moist	11': 0.2
12			12.0				12': 0
13	316				75%	@ 12.5'; little cmf rounded gravel; moist	
14							
15						@ 14.75'; saturated (grey f sand with silt)	
16							
17							
18							
19							
20							

<b>LEGEND</b> S- SPLIT SPOON SOIL SAMPLE U- UNDISTURBED SOIL SAMPLE C- ROCK CORE SAMPLE	Set nested pair each with 2.5' screen (16.0-13.5' with sand to 13.0; bentonite from 13 to 10.5'; 2.5 shallow screen)
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<b>GENERAL NOTES:</b> 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual. 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring. bgs = below ground surface ppm = parts per million	BORING # PA-15
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PROJECT	BORING PA-16
Orchard Whitney	SHEET 1 OF 2
	JOB #: 4216-03
	CHKD. BY:

CONTRACTOR: Nothnagle Drilling	BORING LOCATION: SEE PLAN
DRILLER: Kevin	GROUND SURFACE ELEVATION: DATUM: N/A
JCL PERSONNEL: ED	START DATE: 7/13/11 END DATE: 7/13/11

TYPE OF DRILL RIG: Bk81 (CME85) CASING SIZE AND TYPE: 2" OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band ROCK DRILLING METHOD: NA	WATER LEVEL DATA				
	DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE DATA					SAMPLE DESCRIPTION	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1	NA				NA	0-6'; bldg demo material from berm	
2							
3							
4							
5							
6						6-9'; flowable fill material	
7							
8							
9						@ 9'; concrete vault floor- 1' thick	
10						@ 10'; 2" layer black slag/cmf gravel; little cmf sand; petrol odor; saturated (likely concrete)	10.5': 0.3
	90				70%	@ 10.2'; grey-brown silt with cmf sand; cmf gravel; sautrated; litght petrol odor; trace clay	11': 0
11							
12							12': 0
13							13': 0
14						@ 14'; rose-grey f sand with silt' some cmf gravel; moist	14': 0
	400				100%		15-17': 0
15							
16							
17							
	Auger						
18	400				95%	@ 18'; saturated	18-19.3': 0
19						@ 19'; moist	
	19.3						
20	150				100%	@ 20.5'; some silt; saturated	20-20.9': 0
						@ 20.7'; moist	

20.9							
	U- UNDISTURBED SOIL SAMPLE C- ROCK CORE SAMPLE						

GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.

bgs = below ground surface  
ppm = parts per million



PROJECT	BORING PA-16
Orchard Whitney	SHEET 2 OF 2
	JOB #: 4216-03
	CHKD. BY:

CONTRACTOR: Nothnagle Drilling	BORING LOCATION: SEE PLAN
DRILLER: Kevin	GROUND SURFACE ELEVATION: DATUM: N/A
JCL PERSONNEL: ED	START DATE: 7/13/11      END DATE: 7/13/11

TYPE OF DRILL RIG: Bk81 (CME85) CASING SIZE AND TYPE: 2" OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band ROCK DRILLING METHOD: NA	WATER LEVEL DATA				
	DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE DATA					SAMPLE DESCRIPTION	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
21	Auger		20.9			@ 23.5'; cobble	22-24': 0
22				60%			
23	210						
24			24.0				
25						@ 26'; grey mf sand; little silt; saturated	26-26.6': 0
26	200			100%			
27			26.6				
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							

<b>LEGEND</b> S- SPLIT SPOON SOIL SAMPLE U- UNDISTURBED SOIL SAMPLE C- ROCK CORE SAMPLE	Spoon refusal= 26.6'; auger refusal 26.8 Encounter natural gas pocket when removing augers Oxygen= 19.8 ppm, Carbon Monoxide= 55 ppm down augers/no impact in breathing zone, no well installation
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<b>GENERAL NOTES:</b> 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual. 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring. bgs = below ground surface ppm = parts per million	BORING # PA-16
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PROJECT	BORING PA-17
Orchard Whitney	SHEET 1 OF 1
	JOB #: 4216-03
	CHKD. BY:

CONTRACTOR: Nothnagle Drilling	BORING LOCATION: SEE PLAN
DRILLER: Kevin	GROUND SURFACE ELEVATION: DATUM: N/A
JCL PERSONNEL: ED	START DATE: 7/14/11      END DATE: 7/14/11

TYPE OF DRILL RIG: Bk81 (CME85) CASING SIZE AND TYPE: 2" OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band ROCK DRILLING METHOD: NA	WATER LEVEL DATA				
	DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE DATA					SAMPLE DESCRIPTION	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1						0-6'; Construction and demolition backfill (fill)	
2							
3							
4							
5							
6						@ 6'; flowable fill	
7							
8							
9							
10							
11					75%	@ 11.5'; vault floor	
12					↓	@ 12'; black concrete; no odor (1")	12': 0.4
13		1				@ 12.1'; rose-grey f sand with silt; little cmf gravel; moist-wet	12.5': 0.5 13': 0.1
14	↑ 260						
15	↓					@ 14.5'; grey silt' some f sand; trace mf gravel; moist	14': 0
16			16.0				15': 0
17	↓ 185						16': 0
18			17.6				
19							
20							

<b>LEGEND</b> S- SPLIT SPOON SOIL SAMPLE U- UNDISTURBED SOIL SAMPLE C- ROCK CORE SAMPLE	Auger refusal @ 17.8'
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GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.

bgs = below ground surface  
ppm = parts per million





PROJECT	BORING PA-18
Orchard Whitney	SHEET 1 OF 1
	JOB #: 4216-03
	CHKD. BY:

CONTRACTOR: Nothnagle Drilling	BORING LOCATION: SEE PLAN
DRILLER: Kevin	GROUND SURFACE ELEVATION: DATUM: N/A
JCL PERSONNEL: ED	START DATE: 7/14/11      END DATE: 7/14/11

TYPE OF DRILL RIG: Bk81 (CME85) CASING SIZE AND TYPE: 2" OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band ROCK DRILLING METHOD: NA	WATER LEVEL DATA				
	DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE DATA					SAMPLE DESCRIPTION	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1						Auger to 4' (concrete/sand/gravel)	0-4': NA
2							
3							
4		1			50%	@ 4'; red-brown mf sand; some silt; some cmf gravel; moist	4-8': 0
5					↓	@ 4.75' (+/-); olive-brown clay with silt; moist	
6	↑ 35						
7	↓						
8						@ 8'; olive-light brown silt with f sand and cmf gravel; saturated	8-12': 0
9	250				90%	@ 9'; f sand with silt	
10	↓				↓	@ 10'; rose-grey f sand; some silt; mf gravel; moist	
11						@ 11'; grey silt; little cmf gravel; moist	
12							12-16': 0
13					100%		
14	335				↓		
15	↓						
16						@ 16.5'; grey f sand; some silt; trace mf gravel	16-17.3': 0
17	250				100%		
18	↓				↓		
19							
20							

<b>LEGEND</b> S- SPLIT SPOON SOIL SAMPLE U- UNDISTURBED SOIL SAMPLE C- ROCK CORE SAMPLE	Spoon refusal @ 17.3'; Auger refusal @ 17.4'; no miniwell construction
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<b>GENERAL NOTES:</b> 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual. 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring. bgs = below ground surface ppm = parts per million	BORING # PA-18
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PROJECT	BORING MW-23 / SB-23
Orchard Whitney RI/IRM	SHEET 1 OF 1
	JOB #: 4216-03
	CHKD. BY:

CONTRACTOR: Nothnagle Drilling	BORING LOCATION: SEE PLAN
DRILLER: Kevin	GROUND SURFACE ELEVATION: DATUM: N/A
JCL PERSONNEL: ED	START DATE: 7/15/11      END DATE: 7/15/11

TYPE OF DRILL RIG: Bk81 CASING SIZE AND TYPE: 2" pvc/4.25" HSA OVERBURDEN SAMPLING METHOD: Autohammer/continuous ROCK DRILLING METHOD: Auger to auger refused in rock	WATER LEVEL DATA				
	DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE DATA					SAMPLE DESCRIPTION	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1	↑				5%	Grey-brown silt; some cmf sand; some cmf gravel; moist	0-4': 0
	24						
2	↓						
3							
4			4.0			@ 4.5'; brown mf sand; little silt; little mf gravel; moist	4-8': 0
	35			50%			
5	↓					@ 5.5' (+/-); olive-grey silt; some cmf sand; some cmf gravel; moist	
6							
7							
8			8.0			@ 8'; saturated	8-12': 0
	160			75%			
9	↓					@ 9.2'; grey silt; some f sand; trace mf gravel; moist	
10							
11							
12			12.0			@ 12-15.1' (10' screen); sandpack 22-11.5'; bentonite 11.5-8.8'	12-15.1': 0
				90%			
13							
	330						
14	↓						
15							
16			15.1				15.2-17': 0 No sample
17	315		17.0		95	@ 17'; grey f sand with silt; little cmf gravel; moist	17-20': 0
18							
19							
20			20.0				

<b>LEGEND</b> S- SPLIT SPOON SOIL SAMPLE U- UNDISTURBED SOIL SAMPLE C- ROCK CORE SAMPLE	TD with augers= 22' Spoon refusal @ 15.1'; auger to 17'; 2nd spoon refusal @ 20'; Auger to 22' (+/-); auger to 2' into bedrock and set interface well from 22-12 (10' screen); sandpack 22-11.5'; bentonite 11.5-8.8'
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GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.

bgs = below ground surface  
ppm = parts per million



PROJECT  
Orchard Whitney RI/IRM

BORING MW-24 / SB-24  
SHEET 1 OF 2  
JOB #: 4216-03  
CHKD. BY:

CONTRACTOR: Nothnagle Drilling  
DRILLER: Kevin  
JCL PERSONNEL: ED

BORING LOCATION: SEE PLAN  
GROUND SURFACE ELEVATION: DATUM: N/A  
START DATE: 7/15/11 END DATE: 7/15/11

TYPE OF DRILL RIG: Bk81  
CASING SIZE AND TYPE: 2" pvc/4.25" HSA  
VERBURDEN SAMPLING METHOD: Autohammer (140 lb)/continuous @ 22'  
ROCK DRILLING METHOD: Rollerbit

WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE DATA					SAMPLE DESCRIPTION	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1	65 ↓	1			50% ↓	@ 0'; Brick, silt, concrete fill; gravel, dry	0-4': 0
2							
3							
4			4.0			@ 4'; stop sampling; already characterized through test pitting	
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

LEGEND  
S- SPLIT SPOON SOIL SAMPLE  
U- UNDISTURBED SOIL SAMPLE  
C- ROCK CORE SAMPLE

GENERAL NOTES:  
1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.  
2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.  
bgs = below ground surface  
ppm = parts per million



PROJECT	BORING MW-24 / SB-24
Orchard Whitney RI/IRM	SHEET 2 OF 2
	JOB #: 4216-03
	CHKD. BY:

CONTRACTOR: Nothnagle Drilling	BORING LOCATION: SEE PLAN
DRILLER: Kevin	GROUND SURFACE ELEVATION: DATUM: N/A
JCL PERSONNEL: ED	START DATE: 7/15/11 END DATE: 7/15/11

TYPE OF DRILL RIG: Bk81 CASING SIZE AND TYPE: 2" pvc/4.25" HSA OVERBURDEN SAMPLING METHOD: Autohammer (140 lb)/continuous @ 22' ROCK DRILLING METHOD: Rollerbit	WATER LEVEL DATA				
	DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE DATA					SAMPLE DESCRIPTION	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
21						@ 22-22.9 No recovery	0.0 NO PID hits with meter in augers
22		2			0%		
23			22.9'				
24							
25		3			70%	@ 25'; grey-light brown silt and f sand; little cmf gravel; saturated (or saturated above and moist 25-29')	
26	405						
27							
28							
29			29.0			@ 29'; encounter bedrock	
30							
31							
32							
33							
34						TD= 34' (construct well @ 33')	
35							
36							
37							
38							
39							
40							

<b>LEGEND</b> S- SPLIT SPOON SOIL SAMPLE U- UNDISTURBED SOIL SAMPLE C- ROCK CORE SAMPLE	@ 25-29' spoon and drill rod saturated (at least 5' of water); Encounter bedrock @ approximately 29'; auger to refusal @ 30.5'; Rollerbit to 34'; construct 33-24' screen; sand to 23.4'
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GENERAL NOTES:

- Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.

bgs = below ground surface  
ppm = parts per million



PROJECT	BORING MW-25 / SB-25
Orchard Whitney	SHEET 1 OF 2
	JOB #: 4216-03
	CHKD. BY:

CONTRACTOR: Nothnagle Drilling	BORING LOCATION: SEE PLAN
DRILLER: Kevin	GROUND SURFACE ELEVATION: DATUM: N/A
JCL PERSONNEL: ED	START DATE: 7/18/11 END DATE: 7/19/11

TYPE OF DRILL RIG: Bk81 CASING SIZE AND TYPE: 2" pvc/4.25" HSA OVERBURDEN SAMPLING METHOD: 140 lb. Autohammer/continuous @ 8' ROCK DRILLING METHOD: Rollerbit	WATER LEVEL DATA				
	DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE DATA					SAMPLE DESCRIPTION	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1							
2							
3							
4		1			0%	No recovery	4-6': 0
5							
6			6.5				
7							
8		2			50%	medium brown silt and cmf gravel; some cmf sand; moist; fill	8-12': 0
9	34						
10						@ 10'; concrete, cinder/slag	
11							
12			12.0		25%	@ 12'; dark brown silt; some cmf grave; little mf sand, native; moist	12-16': 0
13	26	3					
14							
15							
16			16.0			@ 16'; red-brown f sand; little silt; moist; loose	16-20': 0
17		4			35%		
18	50						
19							
20			20.0				

<b>LEGEND</b> S- SPLIT SPOON SOIL SAMPLE U- UNDISTURBED SOIL SAMPLE C- ROCK CORE SAMPLE	Concrete 6.5-8'
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<b>GENERAL NOTES:</b> 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual. 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring. bgs = below ground surface ppm = parts per million	BORING # MW-25
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PROJECT	BORING MW-25 / SB-25
Orchard Whitney RI/IRM	SHEET 2 OF 2
	JOB #: 4216-03
	CHKD. BY:

CONTRACTOR: Nothnagle Drilling	BORING LOCATION: SEE PLAN
DRILLER: Kevin	GROUND SURFACE ELEVATION: DATUM: N/A
JCL PERSONNEL: ED	START DATE: 7/8/11 END DATE: 7/19/11

TYPE OF DRILL RIG: Bk81 CASING SIZE AND TYPE: 2" pvc/4.25" HSA OVERBURDEN SAMPLING METHOD: 140 lb. Autohammer/continuous @ 8' ROCK DRILLING METHOD: Rollerbit	WATER LEVEL DATA				
	DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE DATA					SAMPLE DESCRIPTION	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
21	200	5			60%	@ 20'; red-brown f sand; little silt, loose (native; saturated)	20-24': 0
22						@ 21'; gravel and c sand; little silt; saturated	
23						@ 22'; medium brown f sand with silt; little mf gravel; saturated	
24		6	24.0			@ 23.1'; olive-brown silt; little mf gravel; saturated	24-26.7': 0
25	280				95%	@ 24.5'; light brown silt; some f sand; little mf gravel; moist	
26			26.7				
27							
28							
29							
30						TD= 30' (rollerbit to 31' but cave in to 30')	
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							

<b>LEGEND</b> S- SPLIT SPOON SOIL SAMPLE U- UNDISTURBED SOIL SAMPLE C- ROCK CORE SAMPLE	Spoon refusal= 26.7; auger refusal= 26.8; rollerbit from 26.7 to 31'; set well @ 30' with 15' of screen (30-15') Sandpack 31 to 13.8'; bentonite 13.8-10.8'; grout 10.8'-grade
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GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.

bgs = below ground surface  
ppm = parts per million



PROJECT	BORING SB-26A (between MW-24, MW-25)
Orchard Whitney	SHEET 1 OF 1
	JOB #:
	CHKD. BY:

CONTRACTOR: Nothnagle Drilling	BORING LOCATION: SEE PLAN
DRILLER: Kevin	GROUND SURFACE ELEVATION: DATUM: N/A
JCL PERSONNEL: ED	START DATE: 7/19/11      END DATE: 7/19/11

TYPE OF DRILL RIG: Bk81 CASING SIZE AND TYPE: 2" pvc/4.25" HSA OVERBURDEN SAMPLING METHOD: Autohammer/continuous ROCK DRILLING METHOD: Rollerbit	WATER LEVEL DATA				
	DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE DATA					SAMPLE DESCRIPTION	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1							
2							
3							
4							
5							
6							
7							
8							
9							
10	↑				8%	@ 10'; stone, concrete, brick (bldg. demo fill); moist	10-14': 0
	30				↓		
11	↓						
12							
13							
14			14.0			@ 14'; as above	14-17.5': 0
	100				3%		
15	↓				↓		
16							
17							
18			17.5				
19							
20							

LEGEND S- SPLIT SPOON SOIL SAMPLE U- UNDISTURBED SOIL SAMPLE C- ROCK CORE SAMPLE	Spoon refusal @ 17.5' (initially); auger refusal @ 17.5'
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GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.

bgs = below ground surface  
ppm = parts per million



PROJECT	BORING SB-26B
Orchard Whitney	SHEET 1 OF 1
	JOB #: 4216-03
	CHKD. BY:

CONTRACTOR: Nothnagle Drilling	BORING LOCATION: SEE PLAN
DRILLER: Kevin	GROUND SURFACE ELEVATION: DATUM: N/A
JCL PERSONNEL: ED	START DATE: 7/19/11 END DATE: 7/19/11

TYPE OF DRILL RIG: Bk81 CASING SIZE AND TYPE: 2" pvc/4.25" HSA OVERBURDEN SAMPLING METHOD: Autohammer/continuous ROCK DRILLING METHOD: Rollerbit	WATER LEVEL DATA				
	DATE	TIME	WATER	CASING	REMARKS

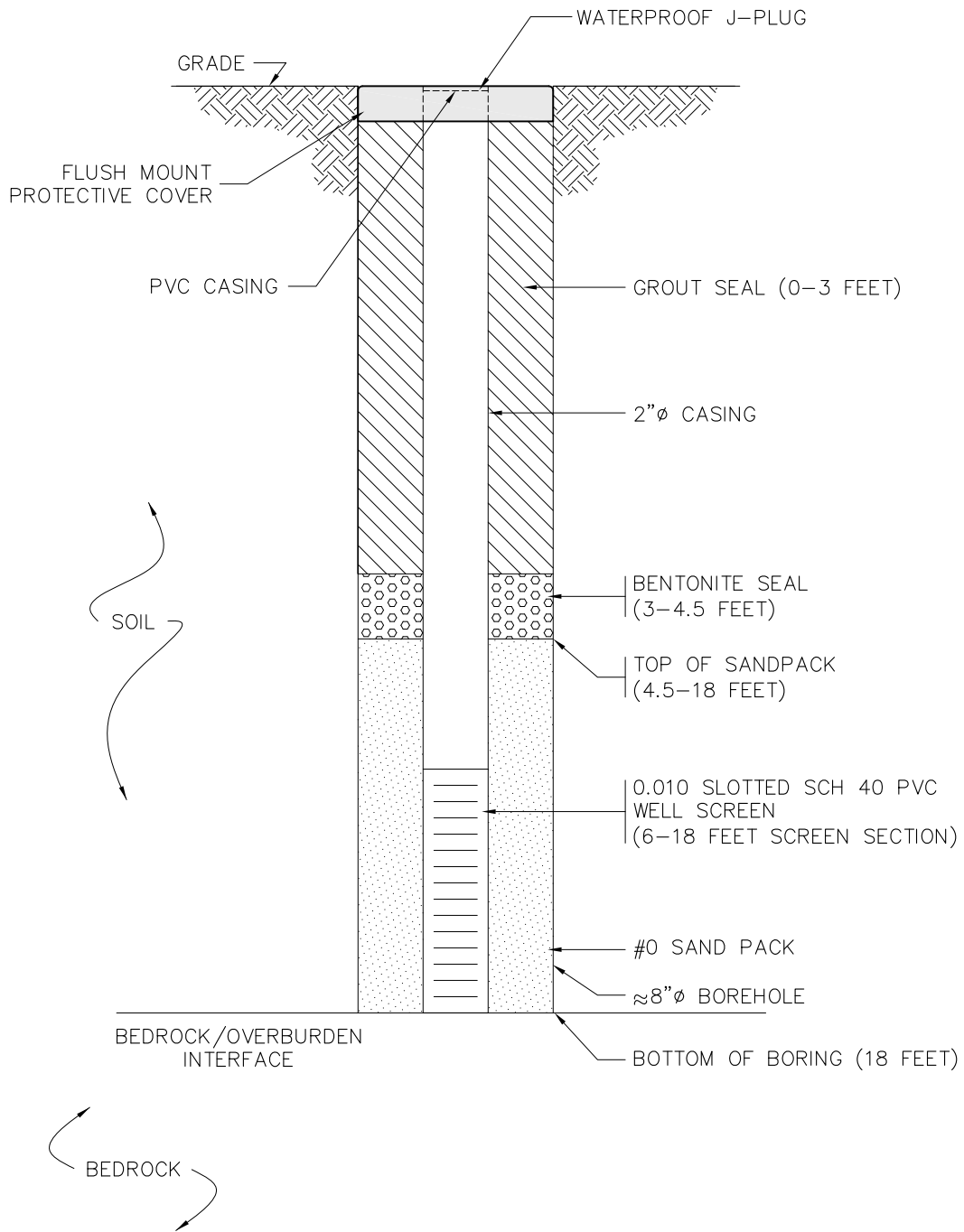
DEPTH	SAMPLE DATA					SAMPLE DESCRIPTION	PID (ppm)
	BLOW /6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (%)		
1							
2							
3							
4							
5							
6							
7							
8							
9							
10	↑	1			20%		
11	↓				↓	medium brown silt with mf gravel; trace mf sand; moist	10-14': 0
12							
13							
14			14.0				
15	↓				25%		
16						@ 16'; as above with cmf gravel; wet lense	
17							
18			17.4				
19							
20							

<b>LEGEND</b> S- SPLIT SPOON SOIL SAMPLE U- UNDISTURBED SOIL SAMPLE C- ROCK CORE SAMPLE	Spoon refusal @ 17.4 auger to 17.5' (were making headway but C of R wanted to stop; likely a 2nd layer of concrete)
--------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------

GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.  
 bgs = below ground surface  
 ppm = parts per million





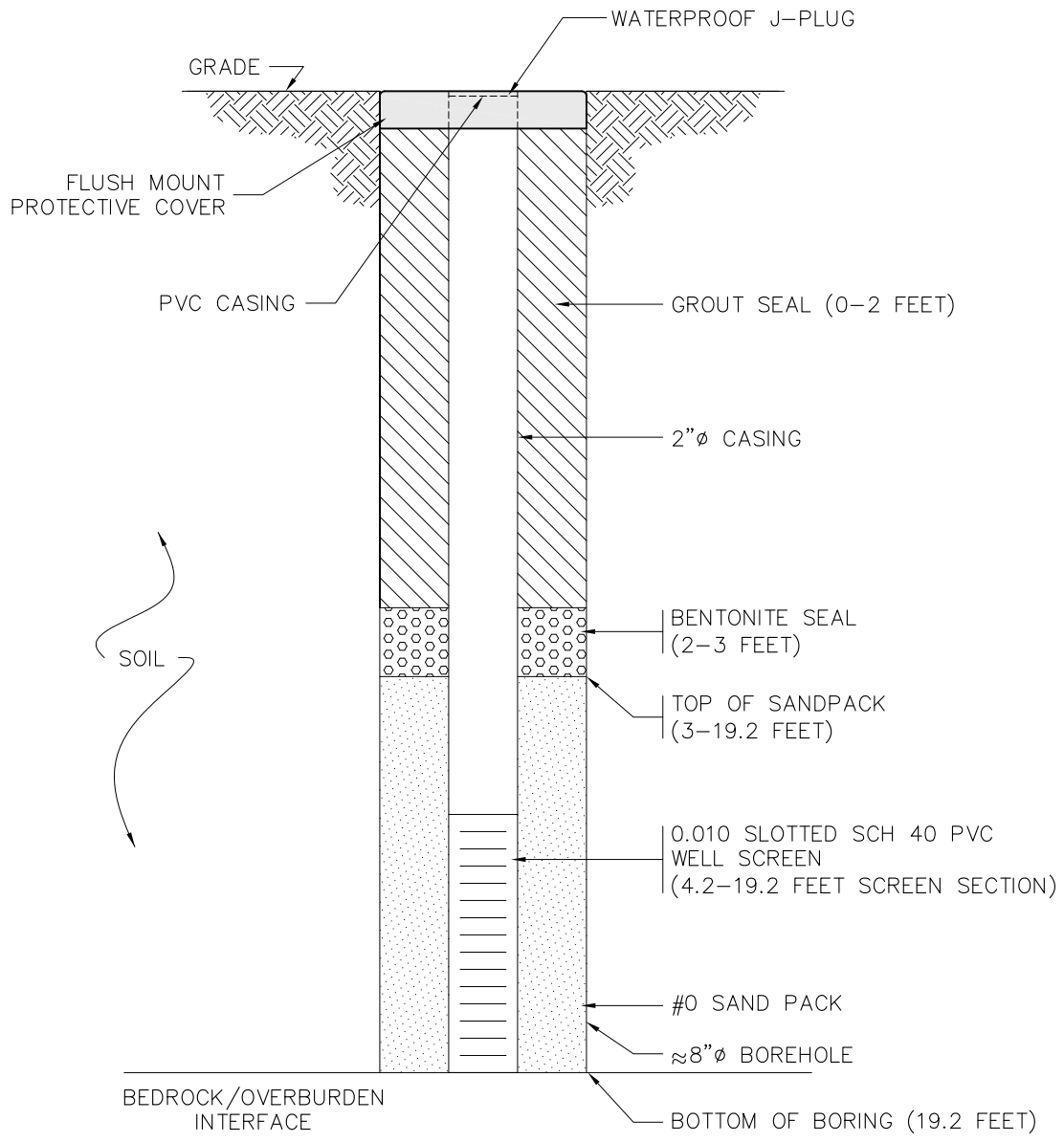
**MW-08 CONSTRUCTION DETAIL**  
NOT TO SCALE



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**FLUSH MOUNT WELL DIAGRAM**  
**MONITORING WELL 08**  
**CITY OF ROCHESTER REMEDIAL INVESTIGATION**  
**415 ORCHARD / 354 WHITNEY**

DATE:	NOVEMBER 2008
SCALE:	NONE
DRAWN/CHECKED	DLS/GLA
P.N.	4216



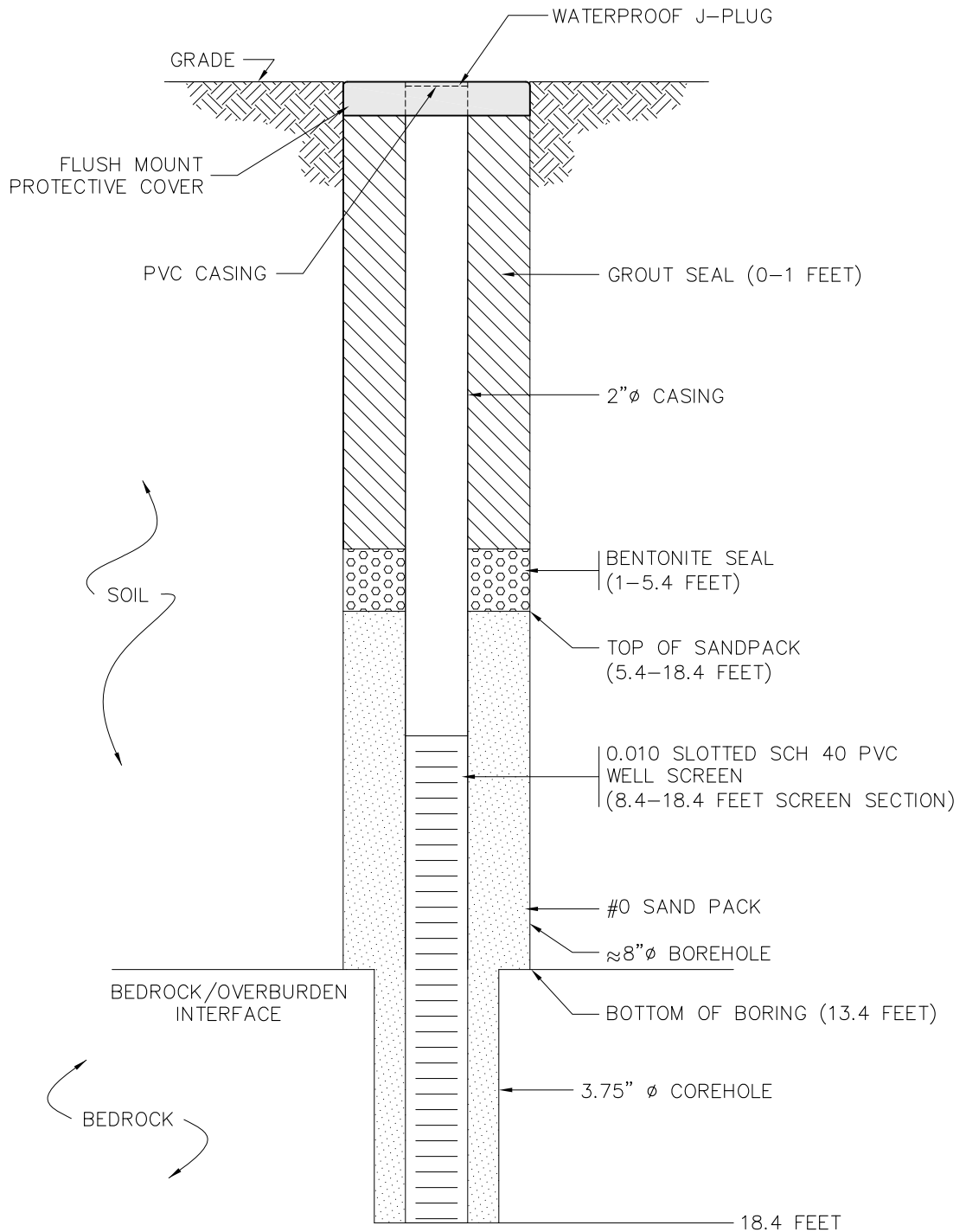
MW-09 CONSTRUCTION DETAIL  
NOT TO SCALE



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**FLUSH MOUNT WELL DIAGRAM**  
**MONITORING WELL 09**  
**CITY OF ROCHESTER REMEDIAL INVESTIGATION**  
**415 ORCHARD / 354 WHITNEY**

DATE:	NOVEMBER 2008
SCALE:	NONE
DRAWN/CHECKED	DLS/GLA
P.N.	4216



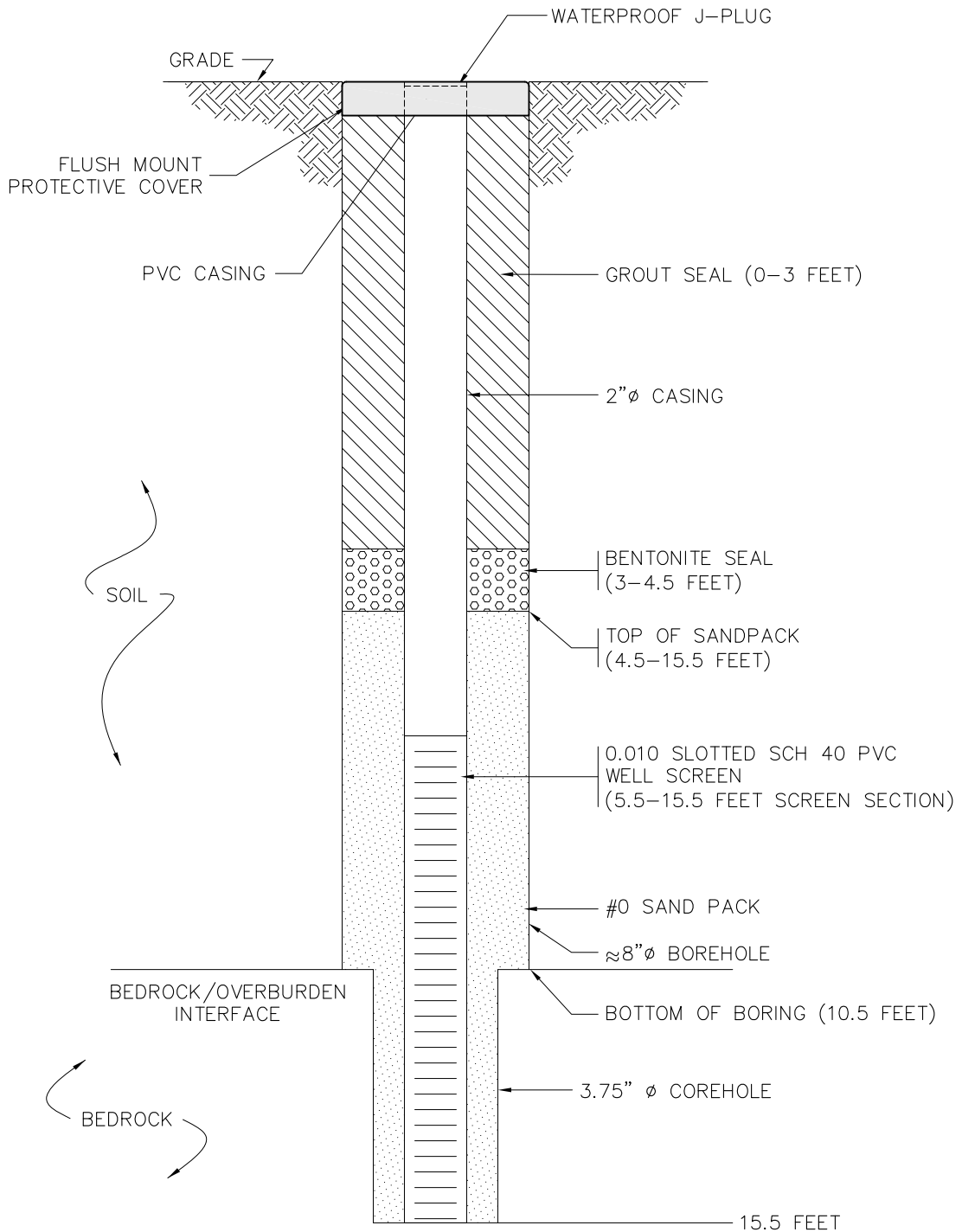
**MW-10 CONSTRUCTION DETAIL**  
NOT TO SCALE



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**FLUSH MOUNT WELL DIAGRAM**  
**MONITORING WELL 10**  
**CITY OF ROCHESTER REMEDIAL INVESTIGATION**  
**415 ORCHARD / 354 WHITNEY**

DATE:	NOVEMBER 2008
SCALE:	NONE
DRAWN/CHECKED	DLS/GLA
P.N.	4216



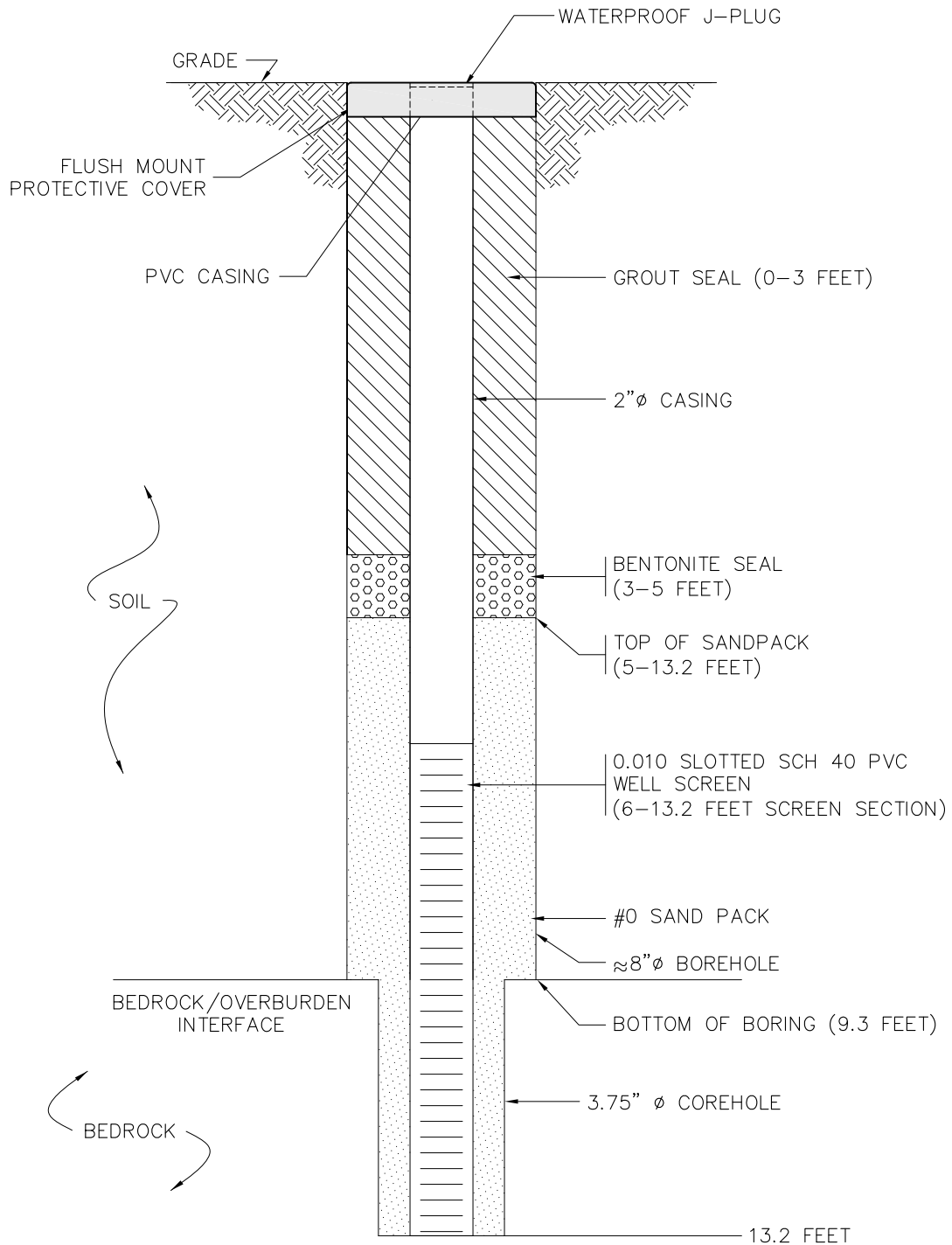
**MW-11 CONSTRUCTION DETAIL**  
NOT TO SCALE



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**FLUSH MOUNT WELL DIAGRAM**  
**MONITORING WELL 11**  
**CITY OF ROCHESTER REMEDIAL INVESTIGATION**  
**415 ORCHARD / 354 WHITNEY**

DATE:	NOVEMBER 2008
SCALE:	NONE
DRAWN/CHECKED	DLS/GLA
P.N.	4216



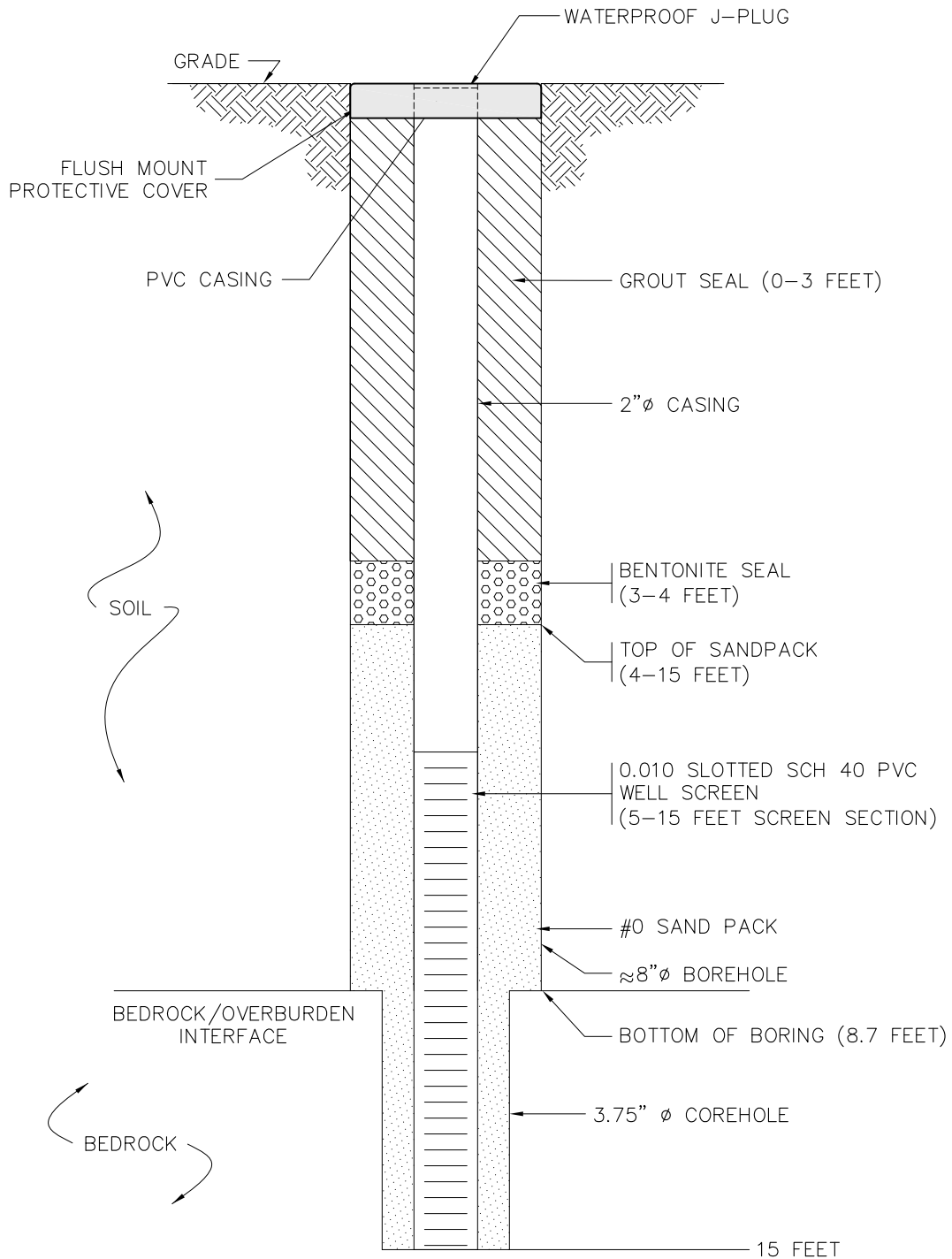
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NOT TO SCALE



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**FLUSH MOUNT WELL DIAGRAM**  
**MONITORING WELL 12**  
**CITY OF ROCHESTER REMEDIAL INVESTIGATION**  
**415 ORCHARD / 354 WHITNEY**

DATE:	NOVEMBER 2008
SCALE:	NONE
DRAWN/CHECKED	DLS/GLA
P.N.	4216



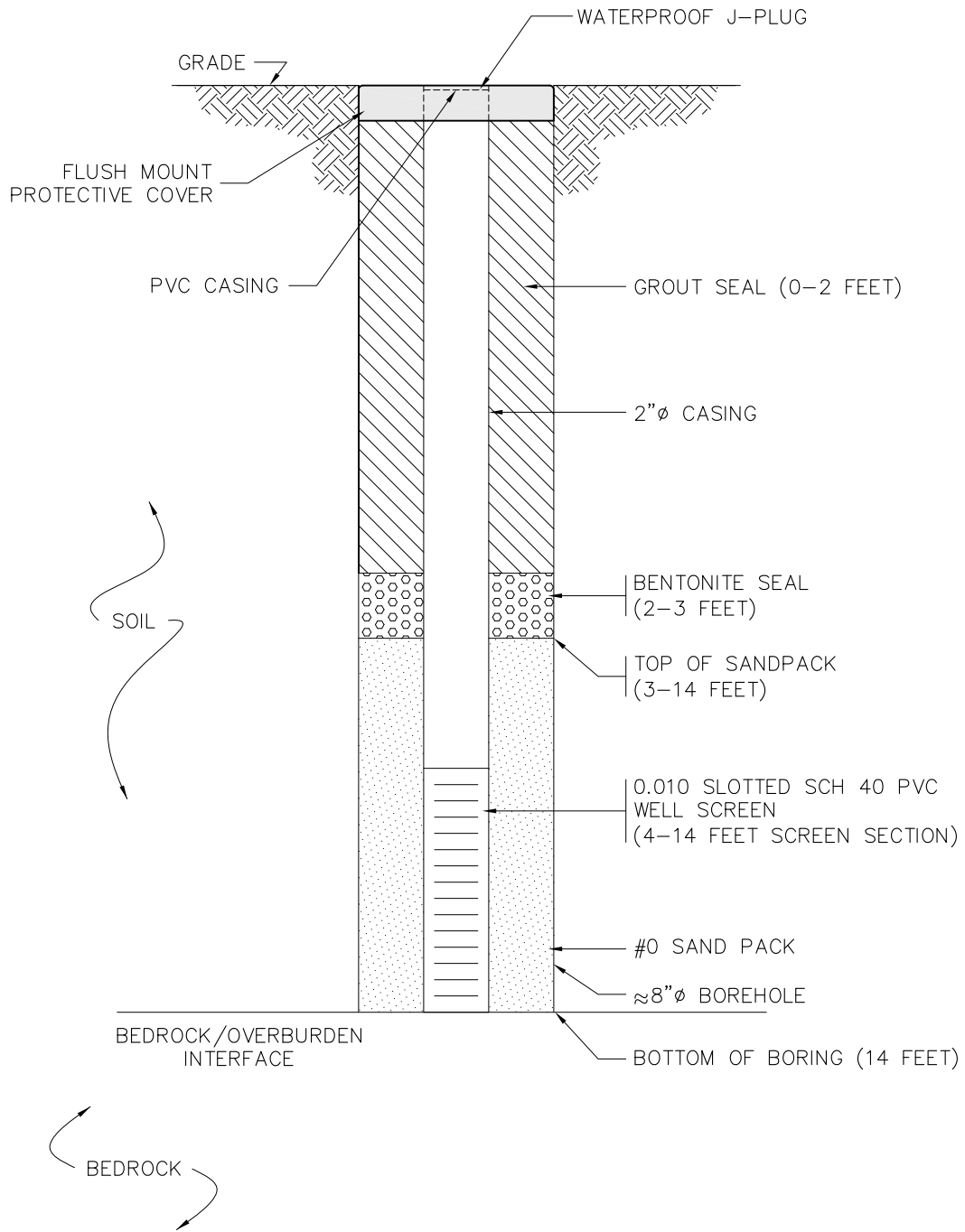
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NOT TO SCALE



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**FLUSH MOUNT WELL DIAGRAM**  
**MONITORING WELL 13**  
**CITY OF ROCHESTER REMEDIAL INVESTIGATION**  
**415 ORCHARD / 354 WHITNEY**

DATE:	NOVEMBER 2008
SCALE:	NONE
DRAWN/CHECKED	DLS/GLA
P.N.	4216



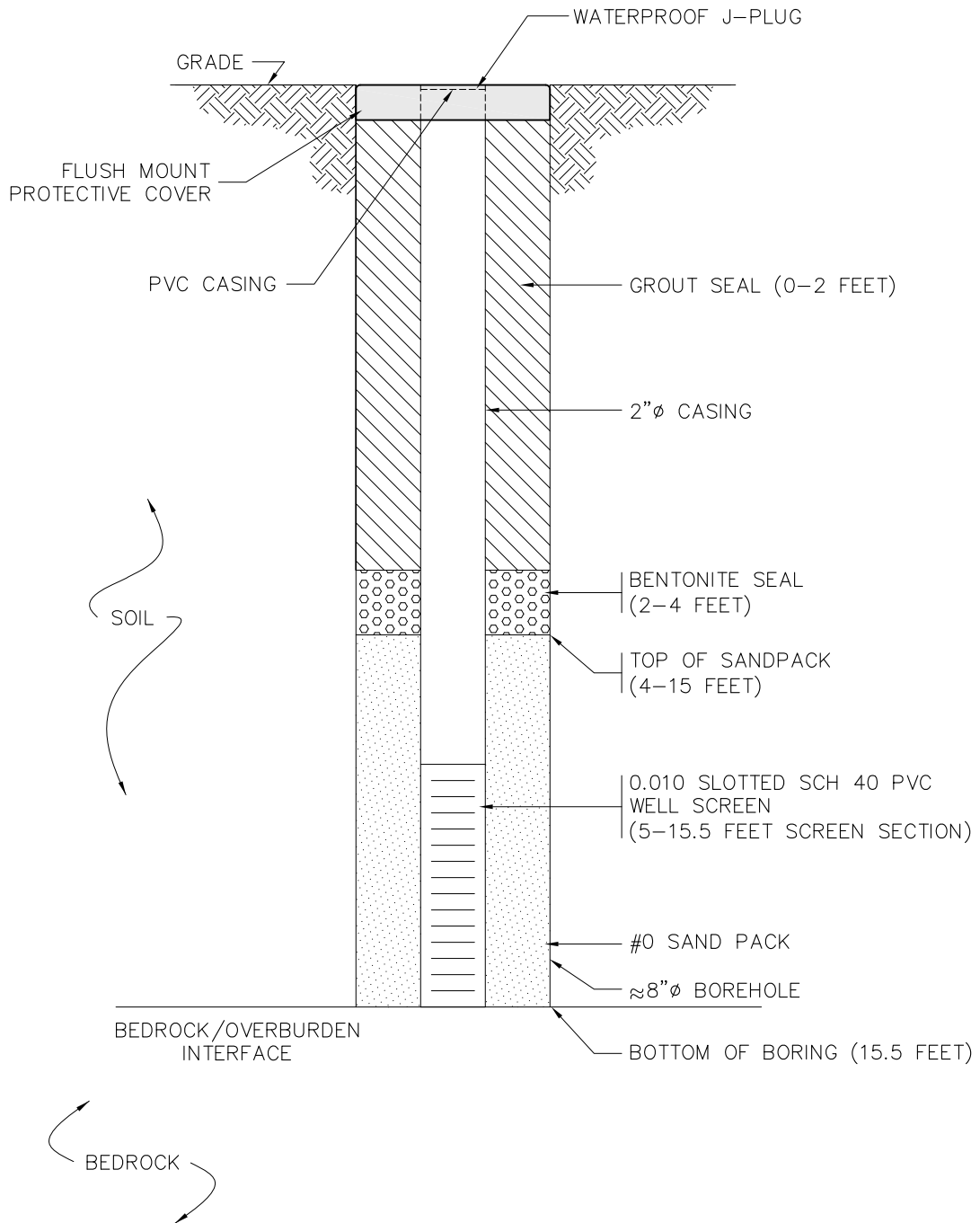
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NOT TO SCALE



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**FLUSH MOUNT WELL DIAGRAM**  
**MONITORING WELL 14**  
**CITY OF ROCHESTER REMEDIAL INVESTIGATION**  
**415 ORCHARD / 354 WHITNEY**

DATE:	NOVEMBER 2008
SCALE:	NONE
DRAWN/CHECKED	DLS/GLA
P.N.	4216



**MW-15 CONSTRUCTION DETAIL**  
NOT TO SCALE

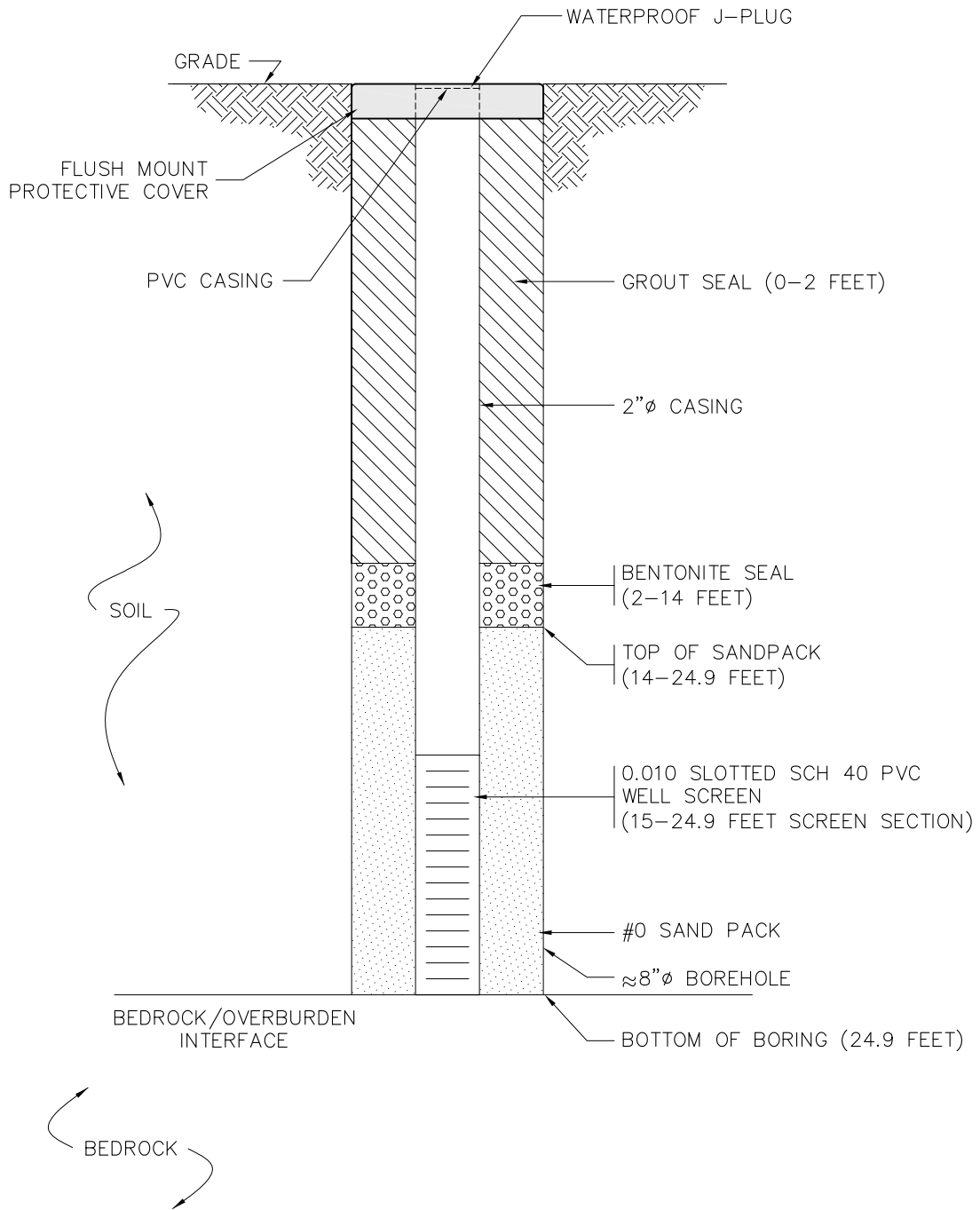


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**FLUSH MOUNT WELL DIAGRAM**  
**MONITORING WELL 15**  
**CITY OF ROCHESTER REMEDIAL INVESTIGATION**  
**415 ORCHARD / 354 WHITNEY**

DATE:	NOVEMBER 2008
SCALE:	NONE
DRAWN/CHECKED	DLS/GLA
P.N.	4216





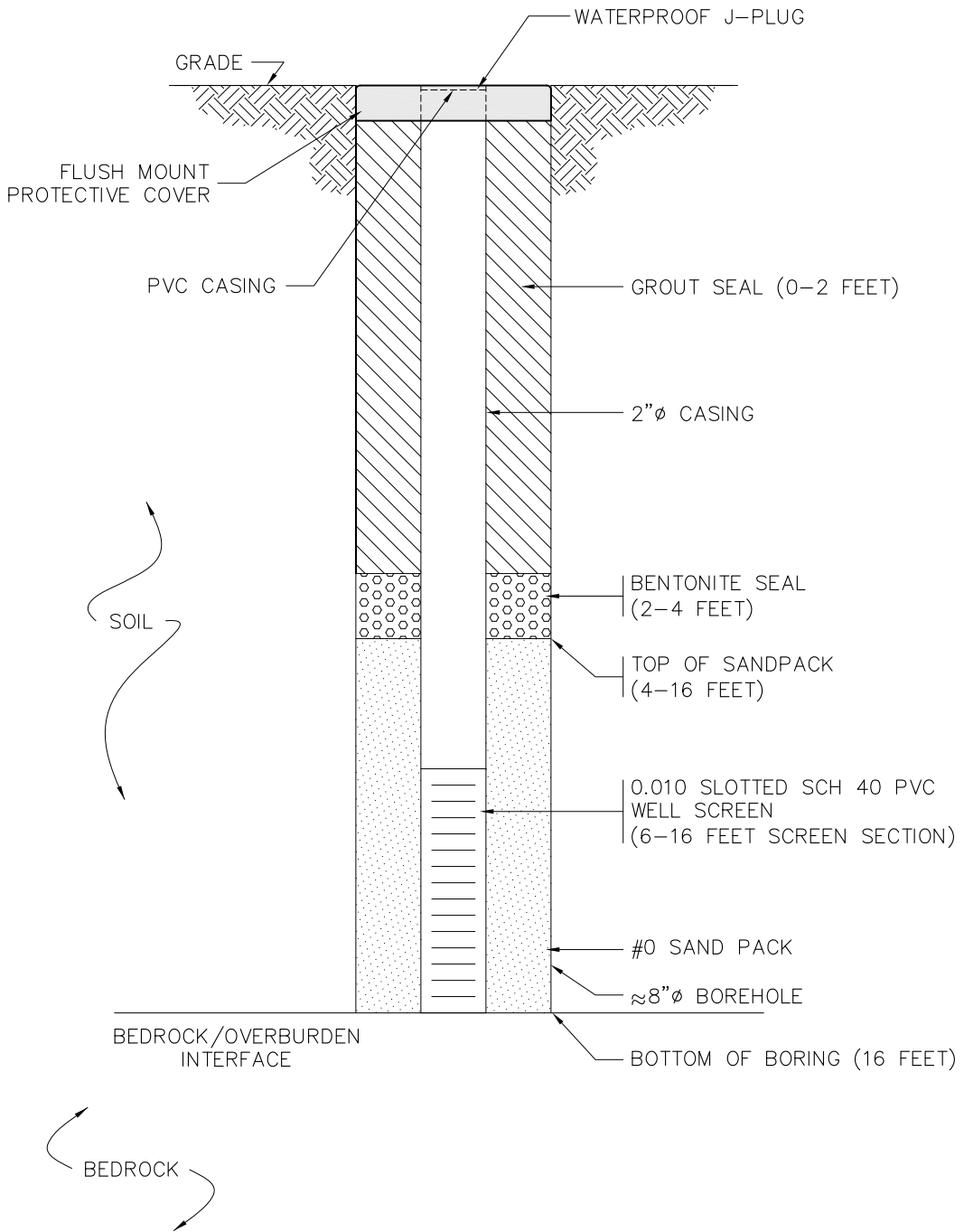
**MW-16 CONSTRUCTION DETAIL**  
NOT TO SCALE



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**FLUSH MOUNT WELL DIAGRAM**  
**MONITORING WELL 16**  
**CITY OF ROCHESTER REMEDIAL INVESTIGATION**  
**415 ORCHARD / 354 WHITNEY**

DATE:	NOVEMBER 2008
SCALE:	NONE
DRAWN/CHECKED	DLS/GLA
P.N.	4216



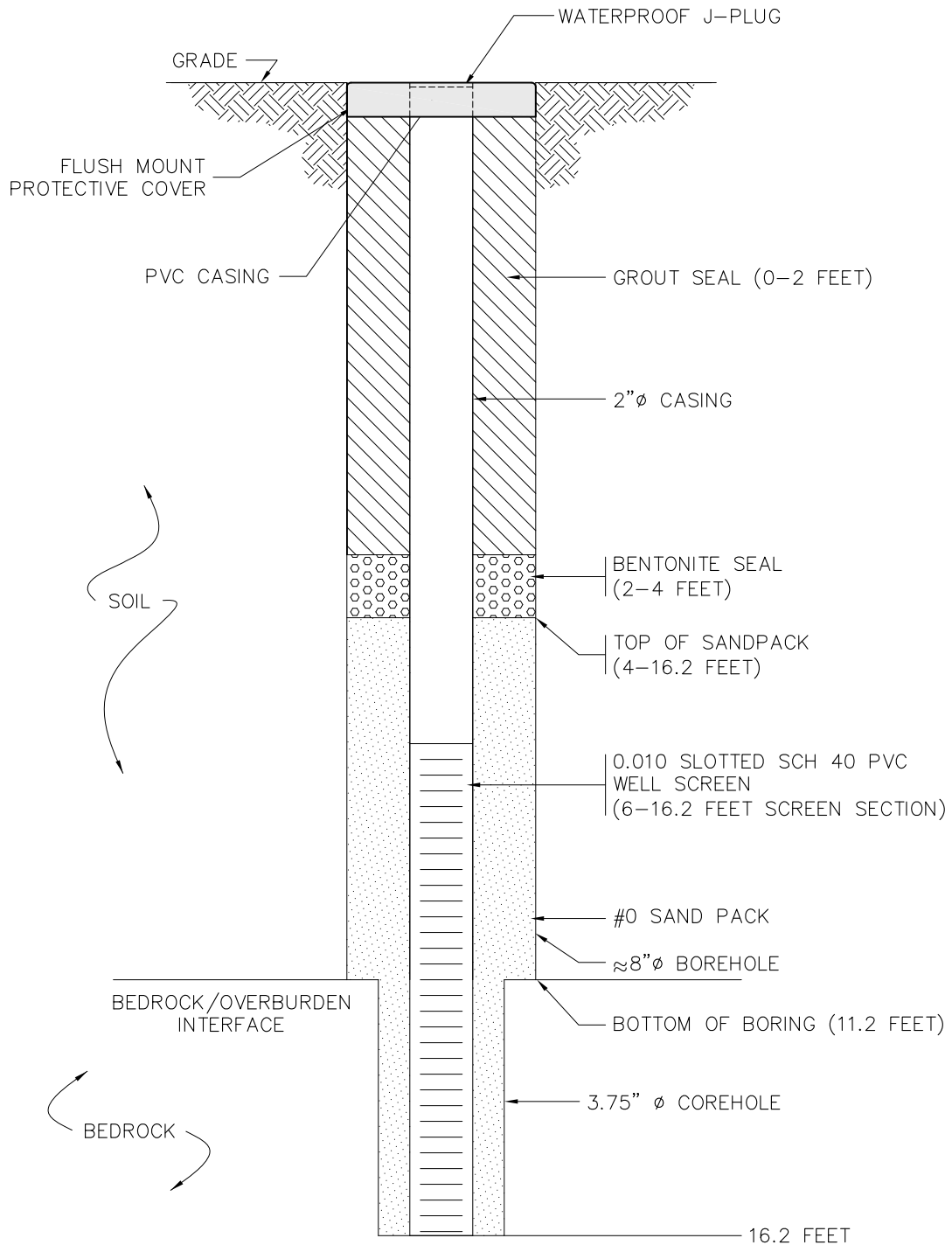
**MW-17 CONSTRUCTION DETAIL**  
NOT TO SCALE



JOSEPH C. LU ENGINEERING AND LAND SURVEYING, P.C.  
 2230 PENFIELD ROAD PENFIELD, NEW YORK 14526  
 PHONE: 585.377.1450 FAX: 585.377.1266

**FLUSH MOUNT WELL DIAGRAM**  
**MONITORING WELL 17**  
**CITY OF ROCHESTER REMEDIAL INVESTIGATION**  
**415 ORCHARD / 354 WHITNEY**

DATE:	NOVEMBER 2008
SCALE:	NONE
DRAWN/CHECKED	DLS/GLA
P.N.	4216



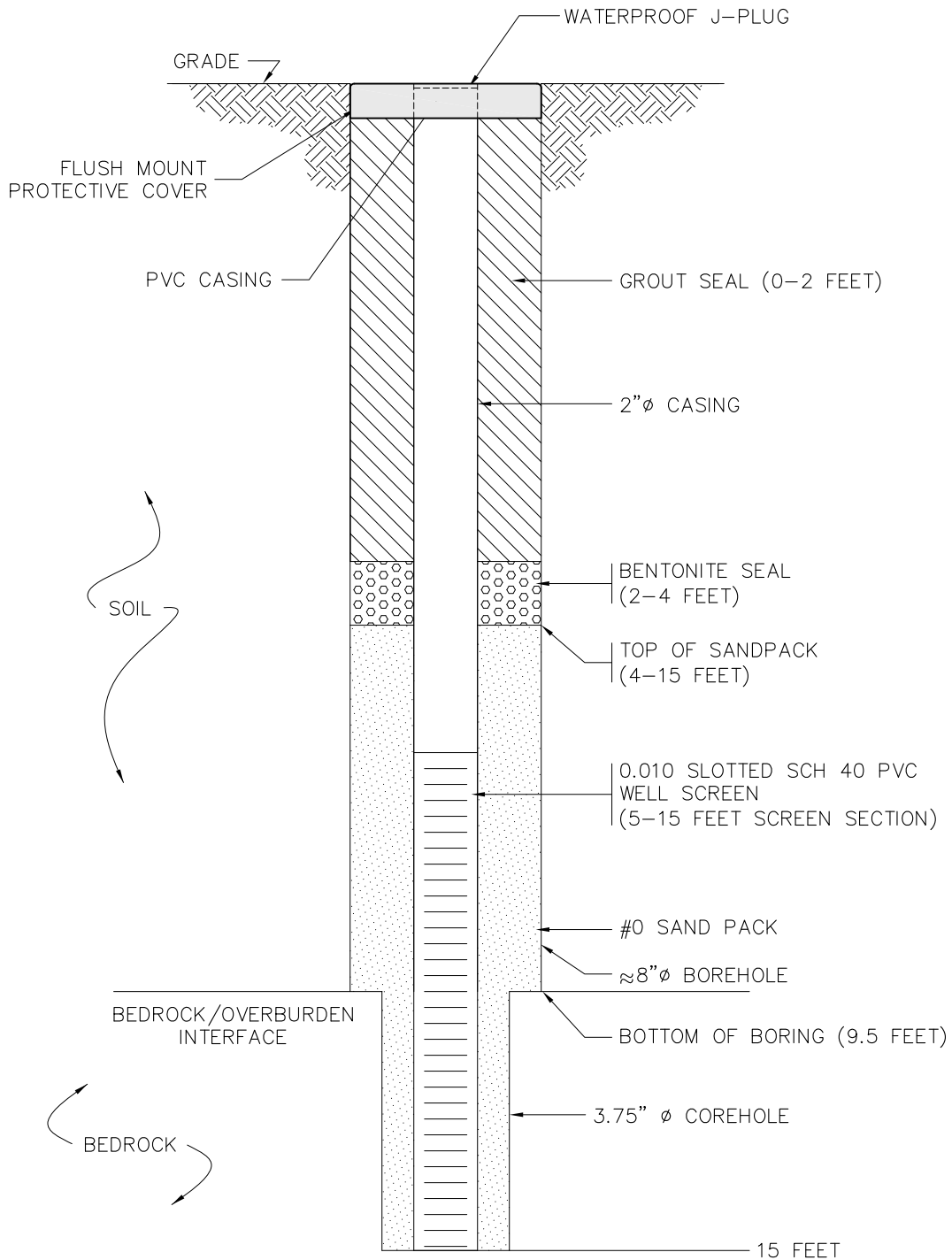
**MW-18 CONSTRUCTION DETAIL**  
NOT TO SCALE



JOSEPH C. LU ENGINEERING AND LAND SURVEYING, P.C.  
2230 PENFIELD ROAD PENFIELD, NEW YORK 14526  
PHONE: 585.377.1450 FAX: 585.377.1266

**FLUSH MOUNT WELL DIAGRAM**  
**MONITORING WELL 18**  
**CITY OF ROCHESTER REMEDIAL INVESTIGATION**  
**415 ORCHARD / 354 WHITNEY**

DATE:	NOVEMBER 2008
SCALE:	NONE
DRAWN/CHECKED	DLS/GLA
P.N.	4216



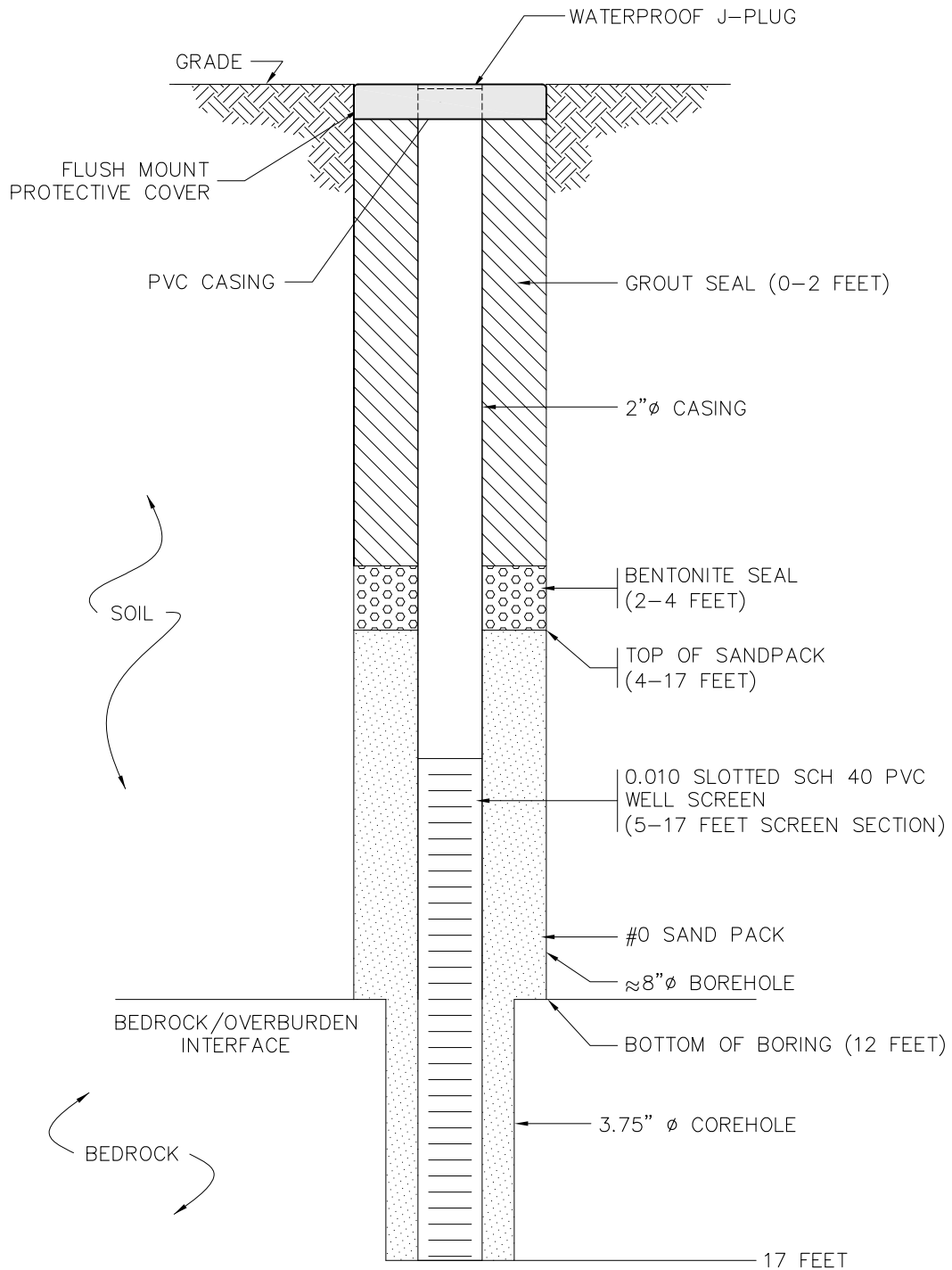
**MW-19 CONSTRUCTION DETAIL**  
NOT TO SCALE



JOSEPH C. LU ENGINEERING AND LAND SURVEYING, P.C.  
2230 PENFIELD ROAD PENFIELD, NEW YORK 14526  
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**FLUSH MOUNT WELL DIAGRAM**  
**MONITORING WELL 19**  
**CITY OF ROCHESTER REMEDIAL INVESTIGATION**  
**415 ORCHARD / 354 WHITNEY**

DATE:	NOVEMBER 2008
SCALE:	NONE
DRAWN/CHECKED	DLS/GLA
P.N.	4216



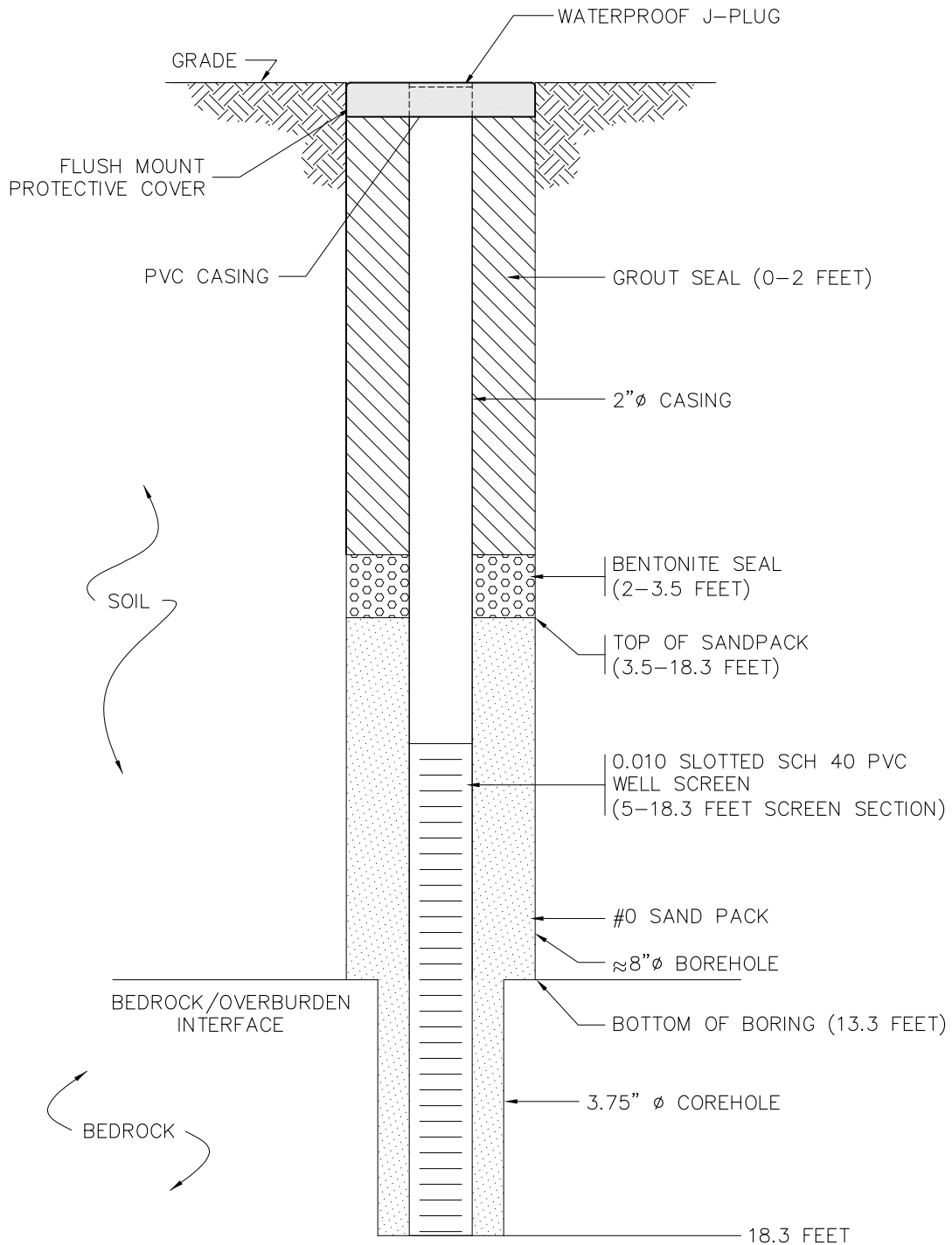
**MW-20 CONSTRUCTION DETAIL**  
NOT TO SCALE



JOSEPH C. LU ENGINEERING AND LAND SURVEYING, P.C.  
2230 PENFIELD ROAD PENFIELD, NEW YORK 14526  
PHONE: 585.377.1450 FAX: 585.377.1266

**FLUSH MOUNT WELL DIAGRAM**  
**MONITORING WELL 20**  
**CITY OF ROCHESTER REMEDIAL INVESTIGATION**  
**415 ORCHARD / 354 WHITNEY**

DATE:	NOVEMBER 2008
SCALE:	NONE
DRAWN/CHECKED	DLS/GLA
P.N.	4216



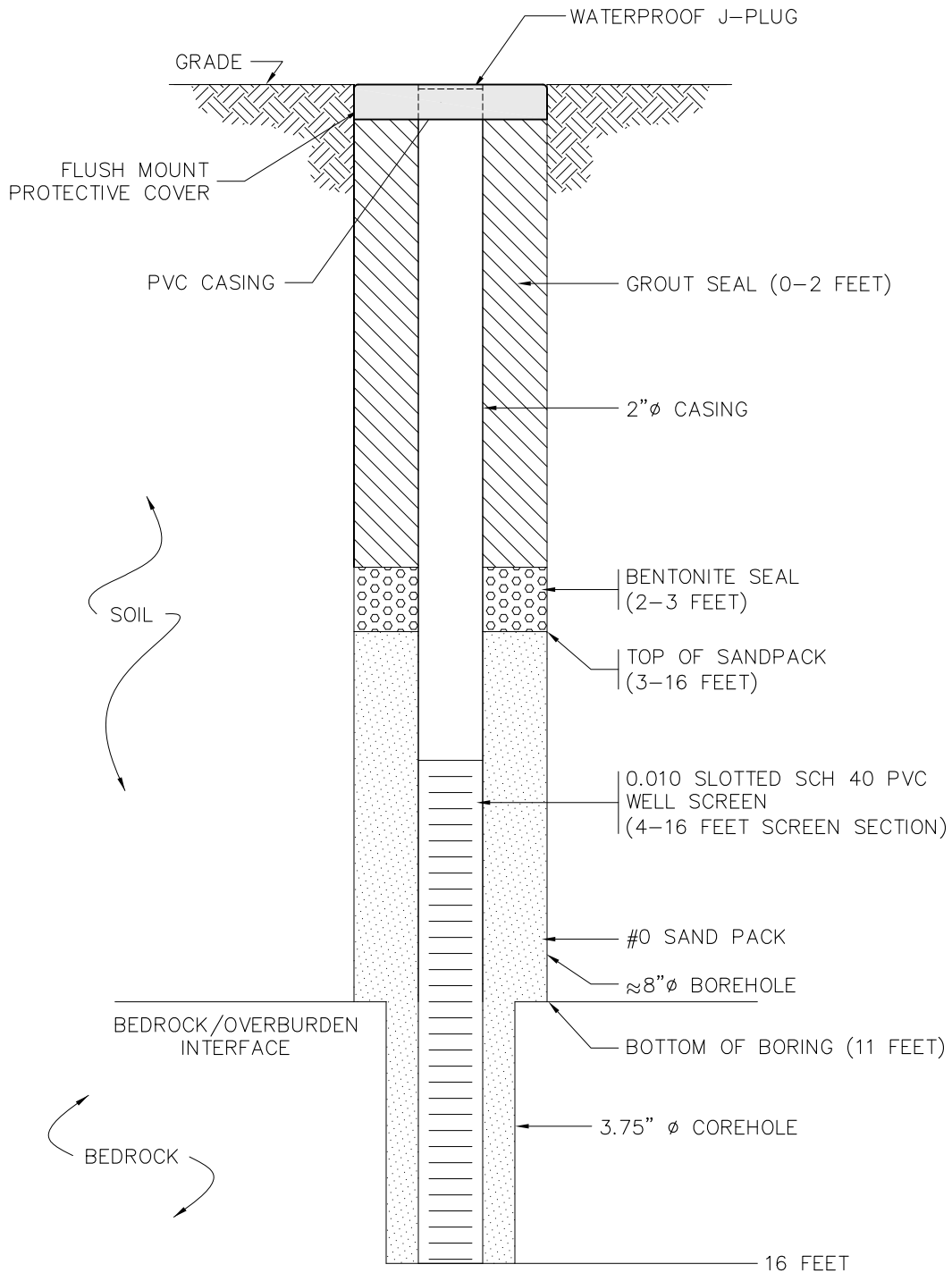
**MW-21 CONSTRUCTION DETAIL**  
NOT TO SCALE



JOSEPH C. LU ENGINEERING AND LAND SURVEYING, P.C.  
2230 PENFIELD ROAD PENFIELD, NEW YORK 14526  
PHONE: 585.377.1450 FAX: 585.377.1266

**FLUSH MOUNT WELL DIAGRAM**  
**MONITORING WELL 21**  
**CITY OF ROCHESTER REMEDIAL INVESTIGATION**  
**415 ORCHARD / 354 WHITNEY**

DATE:	NOVEMBER 2008
SCALE:	NONE
DRAWN/CHECKED	DLS/GLA
P.N.	4216



**MW-22 CONSTRUCTION DETAIL**  
NOT TO SCALE



JOSEPH C. LU ENGINEERING AND LAND SURVEYING, P.C.  
2230 PENFIELD ROAD PENFIELD, NEW YORK 14526  
PHONE: 585.377.1450 FAX: 585.377.1266

**FLUSH MOUNT WELL DIAGRAM**  
**MONITORING WELL 22**  
**CITY OF ROCHESTER REMEDIAL INVESTIGATION**  
**415 ORCHARD / 354 WHITNEY**

DATE:	NOVEMBER 2008
SCALE:	NONE
DRAWN/CHECKED	DLS/GLA
P.N.	4216

# Appendix E – Well Development Logs and Groundwater Sampling Logs

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# Well Development Field Record



2230 Penfield Road  
 Penfield, New York 14526  
 585.377.1450 Fax 585.377.1266

Project Name: Orchard-Whitney ERP  
 Well ID: MW-10  
 Logged by: \_\_\_\_\_

Development Date: 9/30/08  
 Installation Date: 9/25/08

Job # 4216  
 Start Time: \_\_\_\_\_  
 End Time: \_\_\_\_\_

Initial Depth to Water: 8.06'  
 Final Depth to Water: \_\_\_\_\_  
 Screen Length: \_\_\_\_\_  
 Well Volume: \_\_\_\_\_ gals  
 (2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth)

Measurement Point: \_\_\_\_\_  
 Well Depth before: 16.41'  
 Well Depth after: \_\_\_\_\_  
 Sediment Depth Removed: \_\_\_\_\_

Well Diameter: \_\_\_\_\_  
 Well Integrity:  
 Cap \_\_\_\_\_  
 Casing \_\_\_\_\_  
 Locked \_\_\_\_\_  
 Collar \_\_\_\_\_

Protective casing stick-up: \_\_\_\_\_ Casing/Well difference: \_\_\_\_\_

## WATER QUALITY PARAMETERS

Time	Volume Purged (gals)	Purge Rate (gals/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	Comments
	5							Extremely turbid, no clarity

Type of Water Quality Meter: \_\_\_\_\_  
 Purge Observations: \_\_\_\_\_  
 Purge Water Containerized: \_\_\_\_\_

## EQUIPMENT DOCUMENTATION

- Submersible Pump
- PVC Bailer
- Surge Block
- Other \_\_\_\_\_

Approximate Recharge Rate: \_\_\_\_\_

Total Gallons Removed: \_\_\_\_\_

## **Well Development Criteria Met:**

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: \_\_\_\_\_  
 Checked By: \_\_\_\_\_

# Well Development Field Record



2230 Penfield Road  
 Penfield, New York 14526  
 585.377.1450 Fax 585.377.1266

Project Name: Orchard-Whitney ERP  
 Well ID: MW-11  
 Logged by: \_\_\_\_\_

Development Date: 10/2/08  
 Installation Date: 9/26/08

Job # 4216  
 Start Time: \_\_\_\_\_  
 End Time: \_\_\_\_\_

Initial Depth to Water: 4.46'  
 Final Depth to Water: 6.23'  
 Screen Length: \_\_\_\_\_  
 Well Volume: \_\_\_\_\_ gals  
 (2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth)

Measurement Point: \_\_\_\_\_  
 Well Depth before: 14.64'  
 Well Depth after: 15.16'  
 Sediment Depth Removed: \_\_\_\_\_

Well Diameter: \_\_\_\_\_  
 Well Integrity:  
 Cap \_\_\_\_\_  
 Casing \_\_\_\_\_  
 Locked \_\_\_\_\_  
 Collar \_\_\_\_\_

Protective casing stick-up: \_\_\_\_\_ Casing/Well difference: \_\_\_\_\_

## WATER QUALITY PARAMETERS

Time	Volume Purged (gals)	Purge Rate (gals/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	Comments
	105	2				43.3		

Type of Water Quality Meter: \_\_\_\_\_  
 Purge Observations: \_\_\_\_\_  
 Purge Water Containerized: \_\_\_\_\_

## EQUIPMENT DOCUMENTATION

- Submersible Pump
- PVC Bailer
- Surge Block
- Other Whale Pump

Approximate Recharge Rate: \_\_\_\_\_

Total Gallons Removed: 150

## **Well Development Criteria Met:**

Notes: 30-gallons previously bailed  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: \_\_\_\_\_  
 Checked By: \_\_\_\_\_

# Well Development Field Record



2230 Penfield Road  
 Penfield, New York 14526  
 585.377.1450 Fax 585.377.1266

Project Name: Orchard-Whitney ERP  
 Well ID: MW-11  
 Logged by: RLF

Development Date: 9/30/08  
 Installation Date: 9/26/08

Job # 4216  
 Start Time: 10:33  
 End Time: 12:30

Initial Depth to Water: 6.26'  
 Final Depth to Water: 4.41'  
 Screen Length: 10.0'  
 Well Volume: 1.03 gals

Measurement Point: TOR  
 Well Depth before: 12.59'  
 Well Depth after: 14.71'  
 Sediment Depth Removed: 2.12'

Well Diameter: 2"  
 Well Integrity:  
 Cap X  
 Casing X  
 Locked \_\_\_\_\_  
 Collar X

(2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth)

Protective casing stick-up: \_\_\_\_\_

Casing/Well difference: \_\_\_\_\_

## WATER QUALITY PARAMETERS

Time	Volume Purged (gals)	Purge Rate (gals/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	Comments
10:50	5					Over range		Extremely turbid, no clarity
11:30	35					Over range		Extremely turbid, no clarity; PID 0.4; Turbidity Error
12:30	135					43.3		Very clear

Type of Water Quality Meter: \_\_\_\_\_  
 Purge Observations: \_\_\_\_\_  
 Purge Water Containerized: no

## EQUIPMENT DOCUMENTATION

- Submersible Pump
- PVC Bailer
- Surge Block
- Other \_\_\_\_\_

Approximate Recharge Rate: \_\_\_\_\_

Total Gallons Removed: 135 gallons

## **Well Development Criteria Met:**

Notes: sulfur smell observed during purging  
35 gallons removed via hand bailer; 105 gallons removed via whale pump  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: Rachel Freundschuh  
 Checked By: \_\_\_\_\_

# Well Development Field Record



2230 Penfield Road  
 Penfield, New York 14526  
 585.377.1450 Fax 585.377.1266

Project Name: Orchard-Whitney ERP  
 Well ID: MW-12  
 Logged by: \_\_\_\_\_

Development Date: 10/2/08  
 Installation Date: 9/26/08

Job # 4216  
 Start Time: \_\_\_\_\_  
 End Time: \_\_\_\_\_

Initial Depth to Water: 6.16'  
 Final Depth to Water: \_\_\_\_\_  
 Screen Length: \_\_\_\_\_  
 Well Volume: \_\_\_\_\_ gals  
 (2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth)

Measurement Point: \_\_\_\_\_  
 Well Depth before: 12.63'  
 Well Depth after: \_\_\_\_\_  
 Sediment Depth Removed: \_\_\_\_\_

Well Diameter: \_\_\_\_\_  
 Well Integrity:  
 Cap \_\_\_\_\_  
 Casing \_\_\_\_\_  
 Locked \_\_\_\_\_  
 Collar \_\_\_\_\_

Protective casing stick-up: \_\_\_\_\_ Casing/Well difference: \_\_\_\_\_

## WATER QUALITY PARAMETERS

Time	Volume Purged (gals)	Purge Rate (gals/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	Comments
	4	2						dry

Type of Water Quality Meter: \_\_\_\_\_  
 Purge Observations: \_\_\_\_\_  
 Purge Water Containerized: \_\_\_\_\_

## EQUIPMENT DOCUMENTATION

- Submersible Pump
- PVC Bailer
- Surge Block
- Other Whale Pump

Approximate Recharge Rate: \_\_\_\_\_

Total Gallons Removed: \_\_\_\_\_

## **Well Development Criteria Met:**

Notes: 30-gallons previously bailed; dry after 4-gallons  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: \_\_\_\_\_  
 Checked By: \_\_\_\_\_

# Well Development Field Record



2230 Penfield Road  
 Penfield, New York 14526  
 585.377.1450 Fax 585.377.1266

Project Name: Orchard-Whitney ERP  
 Well ID: MW-13  
 Logged by: \_\_\_\_\_

Development Date: 10/7/08  
 Installation Date: 9/29/08

Job # 4216  
 Start Time: 10:20  
 End Time: 11:03

Initial Depth to Water: 6.53'  
 Final Depth to Water: 6.43'  
 Screen Length: 10.0'  
 Well Volume: 1.28 gals

Measurement Point: top of riser  
 Well Depth before: 14.36'  
 Well Depth after: 14.37'  
 Sediment Depth Removed: \_\_\_\_\_

Well Diameter: \_\_\_\_\_  
 Well Integrity:  
 Cap \_\_\_\_\_  
 Casing \_\_\_\_\_  
 Locked \_\_\_\_\_  
 Collar \_\_\_\_\_

(2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth)

Protective casing stick-up: \_\_\_\_\_ Casing/Well difference: \_\_\_\_\_

## WATER QUALITY PARAMETERS

Time	Volume Purged (gals)	Purge Rate (gals/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	Comments
10:31	20	120				679		Very turbid
10:40	25	120				625		
10:53	35	120				130		
11:03	45	120				34.3		Very clear

Type of Water Quality Meter: \_\_\_\_\_  
 Purge Observations: \_\_\_\_\_  
 Purge Water Containerized: \_\_\_\_\_

## EQUIPMENT DOCUMENTATION

- Submersible Pump
- PVC Bailer
- Surge Block
- Other Whale Pump

Approximate Recharge Rate: \_\_\_\_\_

Total Gallons Removed: 45 gallons

## **Well Development Criteria Met: yes: 34.3 NTU**

Notes: Bailed 10-gallons by hand; very turbid; very clear after purging 45-gallons  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: Rachel Freundsuh  
 Checked By: \_\_\_\_\_

# Well Development Field Record



2230 Penfield Road  
 Penfield, New York 14526  
 585.377.1450 Fax 585.377.1266

Project Name: Orchard-Whitney ERP  
 Well ID: MW-14  
 Logged by: \_\_\_\_\_

Development Date: 10/1/08  
 Installation Date: 9/29/08

Job # 4216  
 Start Time: \_\_\_\_\_  
 End Time: \_\_\_\_\_

Initial Depth to Water: 8.69'  
 Final Depth to Water: \_\_\_\_\_  
 Screen Length: \_\_\_\_\_  
 Well Volume: \_\_\_\_\_ gals  
 (2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth)

Measurement Point: \_\_\_\_\_  
 Well Depth before: 13.71'  
 Well Depth after: \_\_\_\_\_  
 Sediment Depth Removed: \_\_\_\_\_

Well Diameter: \_\_\_\_\_  
 Well Integrity:  
 Cap \_\_\_\_\_  
 Casing \_\_\_\_\_  
 Locked \_\_\_\_\_  
 Collar \_\_\_\_\_

Protective casing stick-up: \_\_\_\_\_ Casing/Well difference: \_\_\_\_\_

## WATER QUALITY PARAMETERS

Time	Volume Purged (gals)	Purge Rate (gals/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	Comments
	4							Very turbid; dry

Type of Water Quality Meter: \_\_\_\_\_  
 Purge Observations: \_\_\_\_\_  
 Purge Water Containerized: \_\_\_\_\_

## EQUIPMENT DOCUMENTATION

- Submersible Pump
- PVC Bailer
- Surge Block
- Other \_\_\_\_\_

Approximate Recharge Rate: \_\_\_\_\_

Total Gallons Removed: 4

## **Well Development Criteria Met:**

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: \_\_\_\_\_  
 Checked By: \_\_\_\_\_

# Well Development Field Record



2230 Penfield Road  
 Penfield, New York 14526  
 585.377.1450 Fax 585.377.1266

Project Name: Orchard-Whitney ERP  
 Well ID: MW-15  
 Logged by: \_\_\_\_\_

Development Date: 10/1/08  
 Installation Date: \_\_\_\_\_

Job # 4216  
 Start Time: \_\_\_\_\_  
 End Time: \_\_\_\_\_

Initial Depth to Water: 7.31'  
 Final Depth to Water: \_\_\_\_\_  
 Screen Length: \_\_\_\_\_  
 Well Volume: \_\_\_\_\_ gals  
 (2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth)

Measurement Point: \_\_\_\_\_  
 Well Depth before: \_\_\_\_\_  
 Well Depth after: \_\_\_\_\_  
 Sediment Depth Removed: \_\_\_\_\_

Well Diameter: \_\_\_\_\_  
 Well Integrity:  
 Cap \_\_\_\_\_  
 Casing \_\_\_\_\_  
 Locked \_\_\_\_\_  
 Collar \_\_\_\_\_

Protective casing stick-up: \_\_\_\_\_

Casing/Well difference: \_\_\_\_\_

## WATER QUALITY PARAMETERS

Time	Volume Purged (gals)	Purge Rate (gals/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	Comments
	10							Extremely turbid

Type of Water Quality Meter: \_\_\_\_\_  
 Purge Observations: \_\_\_\_\_  
 Purge Water Containerized: \_\_\_\_\_

## EQUIPMENT DOCUMENTATION

- Submersible Pump
- PVC Bailer
- Surge Block
- Other \_\_\_\_\_

Approximate Recharge Rate: \_\_\_\_\_

Total Gallons Removed: 10

## **Well Development Criteria Met:**

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: \_\_\_\_\_  
 Checked By: \_\_\_\_\_

# Well Development Field Record



2230 Penfield Road  
 Penfield, New York 14526  
 585.377.1450 Fax 585.377.1266

Project Name: Orchard-Whitney ERP  
 Well ID: MW-16  
 Logged by: \_\_\_\_\_

Development Date: 10/2/08  
 Installation Date: 9/30/08

Job # 4216  
 Start Time: \_\_\_\_\_  
 End Time: \_\_\_\_\_

Initial Depth to Water: 7.00'  
 Final Depth to Water: 7.16'  
 Screen Length: \_\_\_\_\_  
 Well Volume: \_\_\_\_\_ gals  
 (2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth)

Measurement Point: \_\_\_\_\_  
 Well Depth before: 22.57'  
 Well Depth after: \_\_\_\_\_  
 Sediment Depth Removed: \_\_\_\_\_

Well Diameter: \_\_\_\_\_  
 Well Integrity:  
 Cap \_\_\_\_\_  
 Casing \_\_\_\_\_  
 Locked \_\_\_\_\_  
 Collar \_\_\_\_\_

Protective casing stick-up: \_\_\_\_\_ Casing/Well difference: \_\_\_\_\_

## WATER QUALITY PARAMETERS

Time	Volume Purged (gals)	Purge Rate (gals/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	Comments
	10							Over range
	20							Over range
	30							Over range

Type of Water Quality Meter: \_\_\_\_\_  
 Purge Observations: \_\_\_\_\_  
 Purge Water Containerized: \_\_\_\_\_

## EQUIPMENT DOCUMENTATION

- Submersible Pump
- PVC Bailer
- Surge Block
- Other \_\_\_\_\_

Approximate Recharge Rate: \_\_\_\_\_

Total Gallons Removed: 30

## **Well Development Criteria Met:**

Notes: Still very turbid after 10-gallons bailed; stopped at 30-gallons  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: \_\_\_\_\_  
 Checked By: \_\_\_\_\_



# Well Development Field Record



2230 Penfield Road  
 Penfield, New York 14526  
 585.377.1450 Fax 585.377.1266

Project Name: Orchard-Whitney ERP  
 Well ID: MW-17  
 Logged by: \_\_\_\_\_

Development Date: 10/7/08  
 Installation Date: 10/1/08

Job # 4216  
 Start Time: 14:00  
 End Time: 15:30

Initial Depth to Water: 6.37'  
 Final Depth to Water: 10.64'  
 Screen Length: 10.0'  
 Well Volume: 1.39 gals

Measurement Point: top of riser  
 Well Depth before: 14.89'  
 Well Depth after: 15.32'  
 Sediment Depth Removed: 0.43'

Well Diameter: 2"  
 Well Integrity:  
 Cap X  
 Casing X  
 Locked \_\_\_\_\_  
 Collar X

(2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth)

Protective casing stick-up: \_\_\_\_\_

Casing/Well difference: \_\_\_\_\_

## WATER QUALITY PARAMETERS

Time	Volume Purged (gals)	Purge Rate (gals/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	Comments
14:30	10	<2				Over range		Very turbid; Green colored water
15:00	16					Over range		Slow recharge
15:30	40					Over range		Purged dry

Type of Water Quality Meter: \_\_\_\_\_

Purge Observations: \_\_\_\_\_

Purge Water Containerized: no

## EQUIPMENT DOCUMENTATION

- Submersible Pump
- PVC Bailer
- Surge Block
- Other Whale Pump

Approximate Recharge Rate: \_\_\_\_\_

Total Gallons Removed: 41 gallons

## **Well Development Criteria Met:**

Notes: Bailed 10-gallons by hand; less than 2' of water; water colored slightly green; very turbid  
10/8/08- Bright green water sitting on top of water column; removed additional 25-gallons via  
bailer; still very turbid; very slow recharge rate

Signature: Rachel Freundschuh

Checked By: \_\_\_\_\_

# Well Development Field Record



2230 Penfield Road  
 Penfield, New York 14526  
 585.377.1450 Fax 585.377.1266

Project Name: Orchard-Whitney ERP  
 Well ID: MW-18  
 Logged by: RLF

Development Date: 10/3/08  
 Installation Date: 10/1/08

Job # 4216  
 Start Time: 13:38  
 End Time: 15:36

Initial Depth to Water: 6.33'  
 Final Depth to Water: 6.65'  
 Screen Length: 10.0'  
 Well Volume: 1.48 gals

Measurement Point: TOR  
 Well Depth before: 15.4'  
 Well Depth after: 15.7'  
 Sediment Depth Removed: 0.03'

Well Diameter: 2"  
 Well Integrity:  
 Cap X  
 Casing X  
 Locked \_\_\_\_\_  
 Collar X

(2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth)

Protective casing stick-up: \_\_\_\_\_

Casing/Well difference: \_\_\_\_\_

## WATER QUALITY PARAMETERS

Time	Volume Purged (gals)	Purge Rate (gals/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	Comments
13:38	5	75						Very turbid
14:06	37.5	75						Very turbid
15:36	150	75				7.2		Clear

Type of Water Quality Meter: \_\_\_\_\_

Purge Observations: \_\_\_\_\_

Purge Water Containerized: no

## EQUIPMENT DOCUMENTATION

- Submersible Pump
- PVC Bailer
- Surge Block
- Other \_\_\_\_\_

Approximate Recharge Rate: \_\_\_\_\_

Total Gallons Removed: 150 gallons

## **Well Development Criteria Met:**

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: Rachel Freundshuh

Checked By: \_\_\_\_\_

# Well Development Field Record



2230 Penfield Road  
 Penfield, New York 14526  
 585.377.1450 Fax 585.377.1266

Project Name: Orchard-Whitney ERP  
 Well ID: MW-19  
 Logged by: \_\_\_\_\_

Development Date: 10/3/08  
 Installation Date: 10/2/08

Job # 4216  
 Start Time: \_\_\_\_\_  
 End Time: \_\_\_\_\_

Initial Depth to Water: 8.64'  
 Final Depth to Water: 11.55'  
 Screen Length: \_\_\_\_\_  
 Well Volume: \_\_\_\_\_ gals  
 (2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth)

Measurement Point: \_\_\_\_\_  
 Well Depth before: 13.97'  
 Well Depth after: 14.23'  
 Sediment Depth Removed: \_\_\_\_\_

Well Diameter: \_\_\_\_\_  
 Well Integrity:  
 Cap \_\_\_\_\_  
 Casing \_\_\_\_\_  
 Locked \_\_\_\_\_  
 Collar \_\_\_\_\_

Protective casing stick-up: \_\_\_\_\_ Casing/Well difference: \_\_\_\_\_

## WATER QUALITY PARAMETERS

Time	Volume Purged (gals)	Purge Rate (gals/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	Comments
	4							Dry, turbid

Type of Water Quality Meter: \_\_\_\_\_  
 Purge Observations: \_\_\_\_\_  
 Purge Water Containerized: \_\_\_\_\_

## EQUIPMENT DOCUMENTATION

- Submersible Pump
- PVC Bailer
- Surge Block
- Other \_\_\_\_\_

Approximate Recharge Rate: \_\_\_\_\_

Total Gallons Removed: 4

## **Well Development Criteria Met:**

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: \_\_\_\_\_  
 Checked By: \_\_\_\_\_

# Well Development Field Record



2230 Penfield Road  
 Penfield, New York 14526  
 585.377.1450 Fax 585.377.1266

Project Name: Orchard-Whitney ERP  
 Well ID: MW-19  
 Logged by: RLF

Development Date: 10/7/08  
 Installation Date: 10/2/08

Job # 4216  
 Start Time: \_\_\_\_\_  
 End Time: \_\_\_\_\_

Initial Depth to Water: 8.64'  
 Final Depth to Water: 11.55'  
 Screen Length: 10.0'  
 Well Volume: 0.87 gals

Measurement Point: TOR  
 Well Depth before: 13.97'  
 Well Depth after: 14.23'  
 Sediment Depth Removed: 0.26'

Well Diameter: 2"  
 Well Integrity:  
 Cap X  
 Casing X  
 Locked \_\_\_\_\_  
 Collar X

(2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth)

Protective casing stick-up: \_\_\_\_\_

Casing/Well difference: \_\_\_\_\_

## WATER QUALITY PARAMETERS

Time	Volume Purged (gals)	Purge Rate (gals/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	Comments

Type of Water Quality Meter: \_\_\_\_\_

Purge Observations: \_\_\_\_\_

Purge Water Containerized: no

## EQUIPMENT DOCUMENTATION

- Submersible Pump
- PVC Bailer
- Surge Block
- Other \_\_\_\_\_

Approximate Recharge Rate: \_\_\_\_\_

Total Gallons Removed: 5

## **Well Development Criteria Met:**

Notes: bailed dry at 3-gallons; no initial water level taken but 5 feet of water in well prior to bailing  
Turbid, but not much sediment; total of 5-gallons removed; some sediment, turbid, but not muddy

Signature: \_\_\_\_\_

Checked By: \_\_\_\_\_

# Well Development Field Record



2230 Penfield Road  
 Penfield, New York 14526  
 585.377.1450 Fax 585.377.1266

Project Name: Orchard-Whitney ERP  
 Well ID: MW-20  
 Logged by: RLF

Development Date: 10/7/08  
 Installation Date: 10/6/08

Job # 4216  
 Start Time: 13:10  
 End Time: 14:30

Initial Depth to Water: 5.70'  
 Final Depth to Water: 13.86'  
 Screen Length: 10.0'  
 Well Volume: 1.77 gals

Measurement Point: top of riser  
 Well Depth before: 16.59'  
 Well Depth after: 16.61'  
 Sediment Depth Removed: 0.02'

Well Diameter: 2"  
 Well Integrity:  
 Cap X  
 Casing X  
 Locked \_\_\_\_\_  
 Collar X

(2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth)

Protective casing stick-up: \_\_\_\_\_

Casing/Well difference: \_\_\_\_\_

## WATER QUALITY PARAMETERS

Time	Volume Purged (gals)	Purge Rate (gals/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	Comments
13:30	5					Over range		Dry after 5 gallons
14:30	13					522		

Type of Water Quality Meter: \_\_\_\_\_  
 Purge Observations: \_\_\_\_\_  
 Purge Water Containerized: \_\_\_\_\_

## EQUIPMENT DOCUMENTATION

- Submersible Pump
- PVC Bailer
- Surge Block
- Other bailer

Approximate Recharge Rate: \_\_\_\_\_

Total Gallons Removed: 14 gallons

## **Well Development Criteria Met:**

Notes: Bailed 5-gallons by hand; dry and very turbid  
10/8/08- purged 6-gallons with Whale Pump; dry; Turbid 522 NTU  
Very slow recharge rate; very turbid; purged well dry three (3) time

Signature: Rachel Freunds Schuh  
 Checked By: \_\_\_\_\_

# Well Development Field Record



2230 Penfield Road  
 Penfield, New York 14526  
 585.377.1450 Fax 585.377.1266

Project Name: Orchard-Whitney ERP  
 Well ID: MW-21  
 Logged by: \_\_\_\_\_

Development Date: 10/8/08  
 Installation Date: 10/3/08

Job # 4216  
 Start Time: \_\_\_\_\_  
 End Time: \_\_\_\_\_

Initial Depth to Water: 5.57'  
 Final Depth to Water: \_\_\_\_\_  
 Screen Length: \_\_\_\_\_  
 Well Volume: \_\_\_\_\_ gals  
 (2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth)

Measurement Point: top of riser  
 Well Depth before: 18.19'  
 Well Depth after: \_\_\_\_\_  
 Sediment Depth Removed: \_\_\_\_\_

Well Diameter: \_\_\_\_\_  
 Well Integrity:  
 Cap \_\_\_\_\_  
 Casing \_\_\_\_\_  
 Locked \_\_\_\_\_  
 Collar \_\_\_\_\_

Protective casing stick-up: \_\_\_\_\_ Casing/Well difference: \_\_\_\_\_

## WATER QUALITY PARAMETERS

Time	Volume Purged (gals)	Purge Rate (gals/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	Comments
	8							

Type of Water Quality Meter: \_\_\_\_\_  
 Purge Observations: \_\_\_\_\_  
 Purge Water Containerized: \_\_\_\_\_

## EQUIPMENT DOCUMENTATION

- Submersible Pump
- PVC Bailer
- Surge Block
- Other Whale Pump

Approximate Recharge Rate: \_\_\_\_\_

Total Gallons Removed: 8

## **Well Development Criteria Met:**

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: \_\_\_\_\_

Checked By: \_\_\_\_\_

# Well Development Field Record



2230 Penfield Road  
 Penfield, New York 14526  
 585.377.1450 Fax 585.377.1266

Project Name: Orchard-Whitney ERP  
 Well ID: MW-21  
 Logged by: \_\_\_\_\_

Development Date: 10/7/08  
 Installation Date: 10/3/08

Job # 4216  
 Start Time: 14:25  
 End Time: \_\_\_\_\_

Initial Depth to Water: 5.45'  
 Final Depth to Water: \_\_\_\_\_  
 Screen Length: \_\_\_\_\_  
 Well Volume: \_\_\_\_\_ gals  
 (2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth)

Measurement Point: \_\_\_\_\_  
 Well Depth before: 16.50'  
 Well Depth after: \_\_\_\_\_  
 Sediment Depth Removed: \_\_\_\_\_

Well Diameter: \_\_\_\_\_  
 Well Integrity:  
 Cap \_\_\_\_\_  
 Casing \_\_\_\_\_  
 Locked \_\_\_\_\_  
 Collar \_\_\_\_\_

Protective casing stick-up: \_\_\_\_\_ Casing/Well difference: \_\_\_\_\_

## WATER QUALITY PARAMETERS

Time	Volume Purged (gals)	Purge Rate (gals/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	Comments
15:20	20							Purged with whale pump
16:50	40							
17:30	65							

Type of Water Quality Meter: \_\_\_\_\_

Purge Observations: \_\_\_\_\_

Purge Water Containerized: \_\_\_\_\_

## EQUIPMENT DOCUMENTATION

- Submersible Pump
- PVC Bailer
- Surge Block
- Other Whale Pump

Approximate Recharge Rate: \_\_\_\_\_

Total Gallons Removed: 65

## **Well Development Criteria Met:**

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: \_\_\_\_\_

Checked By: \_\_\_\_\_

# Well Development Field Record



2230 Penfield Road  
 Penfield, New York 14526  
 585.377.1450 Fax 585.377.1266

Project Name: Orchard-Whitney ERP  
 Well ID: MW-22  
 Logged by: RLF

Development Date: 10/8/08  
 Installation Date: 10/6/08

Job # 4216  
 Start Time: 9:45  
 End Time: 11:30

Initial Depth to Water: 5.94'  
 Final Depth to Water: 11.4'  
 Screen Length: 10.0'  
 Well Volume: 1.59 gals

Measurement Point: TOR  
 Well Depth before: 15.69'  
 Well Depth after: 15.7'  
 Sediment Depth Removed: 0.01'

Well Diameter: 2"  
 Well Integrity:  
 Cap X  
 Casing X  
 Locked \_\_\_\_\_  
 Collar X

(2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth)

Protective casing stick-up: \_\_\_\_\_

Casing/Well difference: \_\_\_\_\_

## WATER QUALITY PARAMETERS

Time	Volume Purged (gals)	Purge Rate (gals/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	Comments
10:07								

Type of Water Quality Meter: \_\_\_\_\_

Purge Observations: \_\_\_\_\_

Purge Water Containerized: no

## EQUIPMENT DOCUMENTATION

- Submersible Pump
- PVC Bailer
- Surge Block
- Other \_\_\_\_\_

Approximate Recharge Rate: 0.4'/min

Total Gallons Removed: \_\_\_\_\_

## **Well Development Criteria Met:**

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: \_\_\_\_\_

Checked By: \_\_\_\_\_



# Well Development Field Record



2230 Penfield Road  
 Penfield, New York 14526  
 585.377.1450 Fax 585.377.1266

Project Name: Orchard-Whitney ERP  
 Well ID: MW-6  
 Logged by: \_\_\_\_\_

Development Date: 9/30/08  
 Installation Date: 9/25/08

Job # 4216  
 Start Time: \_\_\_\_\_  
 End Time: \_\_\_\_\_

Initial Depth to Water: 7.59'  
 Final Depth to Water: \_\_\_\_\_  
 Screen Length: \_\_\_\_\_  
 Well Volume: \_\_\_\_\_ gals  
 (2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth)

Measurement Point: \_\_\_\_\_  
 Well Depth before: 15.18'  
 Well Depth after: \_\_\_\_\_  
 Sediment Depth Removed: \_\_\_\_\_

Well Diameter: \_\_\_\_\_  
 Well Integrity:  
 Cap \_\_\_\_\_  
 Casing \_\_\_\_\_  
 Locked \_\_\_\_\_  
 Collar \_\_\_\_\_

Protective casing stick-up: \_\_\_\_\_ Casing/Well difference: \_\_\_\_\_

## WATER QUALITY PARAMETERS

Time	Volume Purged (gals)	Purge Rate (gals/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	Comments
	5					1034		
	10					617		
	15					811		
	20					544		
	25					273		

Type of Water Quality Meter: \_\_\_\_\_  
 Purge Observations: \_\_\_\_\_  
 Purge Water Containerized: \_\_\_\_\_

## EQUIPMENT DOCUMENTATION

- Submersible Pump
- PVC Bailer
- Surge Block
- Other \_\_\_\_\_

Approximate Recharge Rate: \_\_\_\_\_

Total Gallons Removed: 25

## **Well Development Criteria Met:**

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: \_\_\_\_\_  
 Checked By: \_\_\_\_\_

# Well Development Field Record



2230 Penfield Road  
 Penfield, New York 14526  
 585.377.1450 Fax 585.377.1266

Project Name: Orchard-Whitney ERP  
 Well ID: MW-7  
 Logged by: RLF

Development Date: 9/29/08  
 Installation Date: 9/25/08

Job # 4216  
 Start Time: 14:10  
 End Time: 16:50

Initial Depth to Water: 7.78'  
 Final Depth to Water: \_\_\_\_\_  
 Screen Length: \_\_\_\_\_  
 Well Volume: .26 gals  
 (2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth)

Measurement Point: TOR  
 Well Depth before: 9.38'  
 Well Depth after: \_\_\_\_\_  
 Sediment Depth Removed: \_\_\_\_\_

Well Diameter: 2"  
 Well Integrity:  
 Cap X  
 Casing X  
 Locked \_\_\_\_\_  
 Collar X

Protective casing stick-up: \_\_\_\_\_

Casing/Well difference: \_\_\_\_\_

## WATER QUALITY PARAMETERS

Time	Volume Purged (gals)	Purge Rate (gals/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	Comments
16:10	3.5					440		Bailed dry
16:50	10.5					266		Bailed dry

Type of Water Quality Meter: \_\_\_\_\_

Purge Observations: \_\_\_\_\_

Purge Water Containerized: \_\_\_\_\_

## EQUIPMENT DOCUMENTATION

- Submersible Pump
- PVC Bailer
- Surge Block
- Other \_\_\_\_\_

Approximate Recharge Rate: \_\_\_\_\_

Total Gallons Removed: 10.5

## **Well Development Criteria Met:**

Notes: Bailed well dry three (3) times.

Signature: Rachel Freundsuh

Checked By: \_\_\_\_\_

# Well Development Field Record



2230 Penfield Road  
 Penfield, New York 14526  
 585.377.1450 Fax 585.377.1266

Project Name: Orchard-Whitney ERP  
 Well ID: MW-8  
 Logged by: \_\_\_\_\_

Development Date: 9/30/08  
 Installation Date: 9/23/08

Job # 4216  
 Start Time: \_\_\_\_\_  
 End Time: \_\_\_\_\_

Initial Depth to Water: 10.04'  
 Final Depth to Water: \_\_\_\_\_  
 Screen Length: \_\_\_\_\_  
 Well Volume: \_\_\_\_\_ gals  
 (2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth)

Measurement Point: \_\_\_\_\_  
 Well Depth before: 16.66'  
 Well Depth after: \_\_\_\_\_  
 Sediment Depth Removed: \_\_\_\_\_

Well Diameter: \_\_\_\_\_  
 Well Integrity:  
 Cap \_\_\_\_\_  
 Casing \_\_\_\_\_  
 Locked \_\_\_\_\_  
 Collar \_\_\_\_\_

Protective casing stick-up: \_\_\_\_\_

Casing/Well difference: \_\_\_\_\_

## WATER QUALITY PARAMETERS

Time	Volume Purged (gals)	Purge Rate (gals/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	Comments
	5							Extremely turbid, no clarity
	7.5							Dry with bailer
	5							Slightly less turbid than with bailer
								Continuing to become less turbid, verly slight transparent

Type of Water Quality Meter: \_\_\_\_\_  
 Purge Observations: \_\_\_\_\_  
 Purge Water Containerized: \_\_\_\_\_

## EQUIPMENT DOCUMENTATION

- Submersible Pump
- PVC Bailer
- Surge Block
- Other \_\_\_\_\_

Approximate Recharge Rate: \_\_\_\_\_

Total Gallons Removed: 18.75

## **Well Development Criteria Met:**

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: \_\_\_\_\_  
 Checked By: \_\_\_\_\_

# Well Development Field Record



2230 Penfield Road  
 Penfield, New York 14526  
 585.377.1450 Fax 585.377.1266

Project Name: Orchard-Whitney ERP  
 Well ID: MW-8  
 Logged by: \_\_\_\_\_

Development Date: 10/5/08  
 Installation Date: 9/30/08

Job # 4216  
 Start Time: \_\_\_\_\_  
 End Time: \_\_\_\_\_

Initial Depth to Water: 9.79'  
 Final Depth to Water: \_\_\_\_\_  
 Screen Length: \_\_\_\_\_  
 Well Volume: \_\_\_\_\_ gals  
 (2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth)

Measurement Point: \_\_\_\_\_  
 Well Depth before: 17.38'  
 Well Depth after: \_\_\_\_\_  
 Sediment Depth Removed: \_\_\_\_\_

Well Diameter: \_\_\_\_\_  
 Well Integrity:  
 Cap \_\_\_\_\_  
 Casing \_\_\_\_\_  
 Locked \_\_\_\_\_  
 Collar \_\_\_\_\_

Protective casing stick-up: \_\_\_\_\_ Casing/Well difference: \_\_\_\_\_

## WATER QUALITY PARAMETERS

Time	Volume Purged (gals)	Purge Rate (gals/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	Comments
	9.5							dry

Type of Water Quality Meter: \_\_\_\_\_  
 Purge Observations: \_\_\_\_\_  
 Purge Water Containerized: \_\_\_\_\_

## EQUIPMENT DOCUMENTATION

- Submersible Pump
- PVC Bailer
- Surge Block
- Other \_\_\_\_\_

Approximate Recharge Rate: \_\_\_\_\_

Total Gallons Removed: 9.5

## **Well Development Criteria Met:**

Notes: 18.75 gallons previously pumped  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: \_\_\_\_\_  
 Checked By: \_\_\_\_\_

# Well Development Field Record



2230 Penfield Road  
 Penfield, New York 14526  
 585.377.1450 Fax 585.377.1266

Project Name: Orchard-Whitney ERP Job # 4216  
 Well ID: MW-9 (south on Whitney) Development Date: 9/30/08 Start Time: \_\_\_\_\_  
 Logged by: \_\_\_\_\_ Installation Date: 9/24/08 End Time: \_\_\_\_\_

Initial Depth to Water: 8.23' Measurement Point: \_\_\_\_\_ Well Diameter: \_\_\_\_\_  
 Final Depth to Water: \_\_\_\_\_ Well Depth before: 18.03' Well Integrity: \_\_\_\_\_  
 Screen Length: \_\_\_\_\_ Well Depth after: \_\_\_\_\_ Cap \_\_\_\_\_  
 Well Volume: \_\_\_\_\_ gals Sediment Depth Removed: \_\_\_\_\_ Casing \_\_\_\_\_  
 (2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth) Locked \_\_\_\_\_  
 Collar \_\_\_\_\_  
 Protective casing stick-up: \_\_\_\_\_ Casing/Well difference: \_\_\_\_\_

## WATER QUALITY PARAMETERS

Time	Volume Purged (gals)	Purge Rate (gals/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	Comments
	5							Extremely turbid, no clarity
								Extremely turbid, no clarity
								Extremely turbid, no clarity
								Extremely turbid, no clarity
								Very slightly less turbid
								Very slightly less turbid
								Very slightly less turbid

Type of Water Quality Meter: \_\_\_\_\_  
 Purge Observations: \_\_\_\_\_  
 Purge Water Containerized: \_\_\_\_\_

## EQUIPMENT DOCUMENTATION

Submersible Pump Approximate Recharge Rate: \_\_\_\_\_  
 PVC Bailer  
 Surge Block Total Gallons Removed: 35  
 Other \_\_\_\_\_

## **Well Development Criteria Met:**

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: \_\_\_\_\_  
 Checked By: \_\_\_\_\_

# Well Development Field Record



2230 Penfield Road  
 Penfield, New York 14526  
 585.377.1450 Fax 585.377.1266

Project Name: Orchard-Whitney ERP Job # 4216  
 Well ID: MW-9 (south on Whitney) Development Date: 10/3/08 Start Time: 15:30  
 Logged by: \_\_\_\_\_ Installation Date: 9/24/08 End Time: \_\_\_\_\_

Initial Depth to Water: \_\_\_\_\_ Measurement Point: \_\_\_\_\_ Well Diameter: \_\_\_\_\_  
 Final Depth to Water: \_\_\_\_\_ Well Depth before: \_\_\_\_\_ Well Integrity: \_\_\_\_\_  
 Screen Length: \_\_\_\_\_ Well Depth after: \_\_\_\_\_ Cap \_\_\_\_\_  
 Well Volume: \_\_\_\_\_ gals Sediment Depth Removed: \_\_\_\_\_ Casing \_\_\_\_\_  
 (2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth) Locked \_\_\_\_\_  
 Collar \_\_\_\_\_  
 Protective casing stick-up: \_\_\_\_\_ Casing/Well difference: \_\_\_\_\_

## WATER QUALITY PARAMETERS

Time	Volume Purged (gals)	Purge Rate (gals/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	Comments
	40							With bailer, Extremely turbid, no clarity
	5							With whale pump, Extremely turbid
								Extremely turbid
								Becoming noticeably less turbid
								Still turbid, but less
								Still turbid, not less than previous
						436		Still turbid, not less than previous
						158		Still turbid, not less than previous
						71.3		Slightly less turbid
						106		Not less turbid

Type of Water Quality Meter: \_\_\_\_\_  
 Purge Observations: \_\_\_\_\_  
 Purge Water Containerized: \_\_\_\_\_

## EQUIPMENT DOCUMENTATION

Submersible Pump Approximate Recharge Rate: \_\_\_\_\_  
 PVC Bailer  
 Surge Block Total Gallons Removed: \_\_\_\_\_  
 Other \_\_\_\_\_

## **Well Development Criteria Met:**

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Low Flow Groundwater Sampling  
Field Record**



2230 Penfield Road  
Penfield, New York 14526  
585.377.1450 Fax 585.377.1266

Project Name Orchard-Whitney ERP  
Location ID MW-3  
Activity Time 12:20

Field Sample ID OW-MW-3-10  
Sample Time 13:18

Job # 4216  
Sampling Event # 1  
Date 10/7/08

**SAMPLING NOTES**

Initial Depth to Water 5.51 feet      Measurement Point top of riser      Well Diameter 2  
Final Depth to Water 6.07 feet      Well Depth 14.05 feet      Well Integrity:  
Screen Length \_\_\_\_\_ feet      Pump Intake Depth \_\_\_\_\_      Cap X  
Total Volume Purged 2.1 gallons      PID Well Head \_\_\_\_\_      Casing X  
[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]      Locked \_\_\_\_\_  
Volume of Water in casing – 2” diameter = 0.163 gallons per foot of depth, 4” diameter = 0.653 gallons per foot of depth      Collar X

**PURGE DATA**

Drawdown volume=0.2 gallons

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments (ORP)
12:32	6.00	175	19.7	8.3	0.53	2.93	2.27	10	
12:37	6.07	175	18.9	8.0	0.01	2.93	2.37	10	
12:42	6.17	175	18.8	7.6	0.00	2.83	2.38	10	
12:50	6.21	175	18.7	7.3	0.00	2.38	2.22	10	
13:00	7.23	175	18.7	7.3	0.0	1.98	1.98	10	
13:06	7.25	175	18.7	7.2	0.0	1.75	1.80	10	
13:11	7.26	175	18.7	7.2	0.0	1.39	1.74	10	
13:16	7.27	175	18.7	7.2	0.0	1.41	1.68	10	
13:18									Sample collected

Purge Observations: clear  
Purge Water Containerized: no

**EQUIPMENT DOCUMENTATION**

Type of Pump: Geopump  
Type of Tubing: 3/8” HDPE  
Type of Water Quality Meter: Horiba U-22; Lamotte 2020

Calibrated: \_\_\_\_\_

**ANALYTICAL PARAMETERS**

Parameter	Volumes	Sample Collected
VOCs	3-40mL	X
SVOCs	2-1L	X
PCBs	2-1L	X
Metals	250 mL	X

**LOCATION NOTES**

north of fence in parking area  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signature: Laura Smith  
Checked By: \_\_\_\_\_

# Low Flow Groundwater Sampling Field Record



2230 Penfield Road  
Penfield, New York 14526  
585.377.1450 Fax 585.377.1266

Project Name Orchard-Whitney ERP

Job # 4216

Location ID MW-5

Field Sample ID OW-MW-5-14

Sampling Event # 1

Activity Time 10:30

Sample Time 11:45

Date 10/7/08

Duplicate OW-MW-5-14D @11:55

## SAMPLING NOTES

Initial Depth to Water 5.56 feet Measurement Point top/north side of PVC Well Diameter 2

Final Depth to Water 6.65 feet Well Depth 15.35 feet Well Integrity:

Screen Length 10 feet Pump Intake Depth \_\_\_\_\_ Cap X

Total Volume Purged 4.06 gallons PID Well Head \_\_\_\_\_ Casing X

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter] Locked \_\_\_\_\_

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth Collar X

## PURGE DATA

Drawdown volume= 0.18 gallons

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments (ORP)
10:53	5.56	300							Start pump
10:55	6.63	300	16.9	6.49	1.70	50	1.06	14	254
11:00	6.64	300	17.0	6.69	1.29		1.68	14	244
11:05	6.64	300	17.3	6.9	1.15	4.29	2.34	14	217
11:10	6.65	300	17.3	6.9	0.72		2.67	14	182
11:15	6.65	300	17.3	7.0	0.68		2.60	14	177
11:20	6.65	300	17.3	7.0	0.63	1.56	2.49	14	156
11:25	6.65	300	17.3	7.0	0.53		2.34	14	128
11:30	6.65	300	17.3	7.0	0.52		1.99	14	100
11:35	6.65	300	17.3	7.0	0.51		1.81	14	90
11:40	6.65	300	17.3	7.0	0.48		1.79	14	89
11:45			17.3	7.0	0.40		1.65	14	84- Sample collected

Purge Observations: clear

Purge Water Containerized: no

## EQUIPMENT DOCUMENTATION

Type of Pump: Peristaltic

Type of Tubing: polyethylene

Type of Water Quality Meter: Horiba U-22; Lamotte 2020

Calibrated: 10/8/08

## ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected	
VOCs	3-40mL	X	X
SVOCs	2-1L	X	X
PCBs	2-1L	X	X
Metals	250 mL	X	X

## LOCATION NOTES

East of Whitney Street and  
South of driveway

Signature: Rebecca May

Checked By: \_\_\_\_\_



**Low Flow Groundwater Sampling  
Field Record**



2230 Penfield Road  
Penfield, New York 14526  
585.377.1450 Fax 585.377.1266

Project Name Orchard-Whitney ERP  
Location ID MW-6  
Activity Time 15:00

Field Sample ID OW-MW-6-14  
Sample Time 16:45

Job # 4216  
Sampling Event # 1  
Date 10/7/08

**SAMPLING NOTES**

Initial Depth to Water 7.30 feet      Measurement Point north side of PVC      Well Diameter 2  
Final Depth to Water \_\_\_\_\_ feet      Well Depth 15.40 feet      Well Integrity:  
Screen Length 10 feet      Pump Intake Depth \_\_\_\_\_      Cap X  
Total Volume Purged \_\_\_\_\_ gallons      PID Well Head \_\_\_\_\_      Casing X

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing – 2” diameter = 0.163 gallons per foot of depth, 4” diameter = 0.653 gallons per foot of depth

Locked \_\_\_\_\_  
Collar X

**PURGE DATA**

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments (ORP)
15:17	7.30								Start pump
15:20	7.45	350	17.1	6.63	0.16	82	1.18	14	189
15:30	7.49	350	17.4	6.51	7.90	43	1.20	14	187
15:35	7.50	350	17.4	6.57	1.06	28	1.22	14	181
15:40	7.51	350	17.4	6.74	7.11	14	1.35	14	163
15:45	7.51	350	17.4	6.80	6.69	1.9	1.37	14	158
15:50	7.51	350	17.4	6.82	6.57		1.40	14	154
15:55	7.51	350	17.4	6.85	5.98		1.41	14	149
16:00	7.51	350	17.3	6.86	6.13		1.41	14	145
16:05	7.51	350	17.4	6.86	6.28		1.39	14	142
16:10	7.51	350	17.3	6.86	6.04	1.53	1.35	14	139
16:15			17.3	6.86	6.13		1.33	14	139

Purge Observations: clear  
Purge Water Containerized: no

**EQUIPMENT DOCUMENTATION**

Type of Pump: Geopump  
Type of Tubing: polyethylene  
Type of Water Quality Meter: Horiba U-22; Lamotte 2020

Calibrated: 10/8/08

**ANALYTICAL PARAMETERS**

<u>Parameter</u>	<u>Volumes</u>	<u>Sample Collected</u>
<u>VOCs</u>	<u>3-40mL</u>	
<u>SVOCs</u>	<u>2-1L</u>	
<u>PCBs</u>	<u>2-1L</u>	
<u>Metals</u>	<u>250 mL</u>	

**LOCATION NOTES**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signature: Rebecca May  
Checked By: \_\_\_\_\_

# Low Flow Groundwater Sampling Field Record



2230 Penfield Road  
Penfield, New York 14526  
585.377.1450 Fax 585.377.1266

Project Name Orchard-Whitney ERP

Job # 4216

Location ID MW-7

Field Sample ID OW-MW-7-9

Sampling Event # 1

Activity Time 15:50-17:45

Sample Time 17:05

Date 10/7/08

## SAMPLING NOTES

Initial Depth to Water 7.58 feet

Measurement Point top of riser

Well Diameter 2

Final Depth to Water 8.95 feet

Well Depth 9.38 feet

Well Integrity:

Screen Length \_\_\_\_\_ feet

Pump Intake Depth \_\_\_\_\_

Cap X

Total Volume Purged 1.9 gallons

PID Well Head \_\_\_\_\_

Casing X

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Locked \_\_\_\_\_

Volume of Water in casing – 2” diameter = 0.163 gallons per foot of depth, 4” diameter = 0.653 gallons per foot of depth

Collar X

## PURGE DATA

Drawdown volume=0.16 gallons

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments (ORP)
16:10	7.99	250						9	
16:15	8.18	200						9	
16:18	8.38	150						9	
16:21	8.39	130*	19.4	7.2	4.0	0.00	1.18	9	207* lowest purge rate achievable
16:25	8.45	130	18.5	7.2	3.35	0.0	2.04	9	205
16:30	8.50	130	18.1	7.2	1.69	0.0	2.25	9	201* pump stopped
16:36	8.35	130	18.1	7.2	0.0	0.0	5.60	9	193
16:41	8.50	130	18.2	7.2	1.13	0.0	5.86	9	191
16:45	8.63	130	18.1	7.2	0.94	0.0	6.22	9	189
16:50	8.68	130	18.2	7.2	0.38	0.0	6.08	9	188
16:56	8.72	130	18.0	7.2	0.0	0.0	4.66	9	185
17:00	8.76	130	18.0	7.2	0.0	0.0	3.65	9	181

Purge Observations: clear

Purge Water Containerized: no

## EQUIPMENT DOCUMENTATION

Type of Pump: Geopump

Type of Tubing: 3/8” HDPE

Type of Water Quality Meter: Horiba U-22; Lamotte 2020

Calibrated: \_\_\_\_\_

## ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
VOCs	3-40mL	X
SVOCs	2-1L	X
PCBs	2-1L	X
Metals	250 mL	X

## LOCATION NOTES

just north of gate @ end of fence

Signature: Laura Smith

Checked By: \_\_\_\_\_

**Low Flow Groundwater Sampling  
Field Record**



2230 Penfield Road  
Penfield, New York 14526  
585.377.1450 Fax 585.377.1266

Project Name Orchard-Whitney ERP Job # 4216  
 Location ID MW-8 Field Sample ID OW-MW-8-14 Sampling Event # 1  
 Activity Time 9:30-11:00 Sample Time 10:35 Date 10/8/08

**SAMPLING NOTES**

Initial Depth to Water 9.79 feet Measurement Point top of riser Well Diameter 2  
 Final Depth to Water 9.86 feet Well Depth 17.75 feet Well Integrity:  
 Screen Length 10 feet Pump Intake Depth \_\_\_\_\_ Cap \_\_\_\_\_  
 Total Volume Purged 3.1 gallons PID Well Head \_\_\_\_\_ Casing X  
 [purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter] Locked \_\_\_\_\_  
 Volume of Water in casing – 2” diameter = 0.163 gallons per foot of depth, 4” diameter = 0.653 gallons per foot of depth Collar X

**PURGE DATA**

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments (ORP)
9:53	9.91	275	18.3	6.8	0.00 *	5.97	20.8	14	287 /*DO probe, not working
10:00	9.94	275	17.6	7.0	0.00	1.70	9.8	14	252
10:06	9.94	275	17.5	7.0	0.00	0.00	3.07	14	232
10:11	9.94	275	17.5	7.0	0.00	0.00	2.32	14	212
10:16	9.95	275	17.5	7.1	0.00	0.00	1.93	14	196
10:20	9.96	275	17.5	7.1	0.00	0.00	1.58	14	176
10:25	9.96	275	17.6	7.1	0.00	0.00	1.52	14	163
10:30	9.96	275	17.5	7.1	0.00	0.00	1.42	14	148
10:35									Sample collected

Purge Observations: clear  
 Purge Water Containerized: no

**EQUIPMENT DOCUMENTATION**

Type of Pump: Geopump  
 Type of Tubing: 3/8” HDPE  
 Type of Water Quality Meter: Horiba U-22; Lamotte 2020

Calibrated: \_\_\_\_\_

**ANALYTICAL PARAMETERS**

Parameter	Volumes	Sample Collected
VOCs	3-40mL	X
SVOCs	2-1L	X
PCBs	2-1L	X
Metals	250 mL	X

**LOCATION NOTES**

off-site on Orchard Street; just south of Lyell Avenue; west side of road in sidewalk ROW  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: Laura Smith  
 Checked By: \_\_\_\_\_

**Low Flow Groundwater Sampling  
Field Record**



2230 Penfield Road  
Penfield, New York 14526  
585.377.1450 Fax 585.377.1266

Project Name Orchard-Whitney ERP  
Location ID MW-09  
Activity Time 9:45-10:48

Field Sample ID OW-MW-09-15  
Sample Time 10:37

Job # 4216  
Sampling Event # 1  
Date \_\_\_\_\_

**SAMPLING NOTES**

Initial Depth to Water 8.94 feet      Measurement Point 15.0 feet      Well Diameter \_\_\_\_\_  
Final Depth to Water 9.16 feet      Well Depth 18.59 feet      Well Integrity: \_\_\_\_\_  
Screen Length \_\_\_\_\_ feet      Pump Intake Depth \_\_\_\_\_      Cap \_\_\_\_\_  
Total Volume Purged \_\_\_\_\_ gallons      PID Well Head \_\_\_\_\_      Casing \_\_\_\_\_

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing – 2” diameter = 0.163 gallons per foot of depth, 4” diameter = 0.653 gallons per foot of depth

Locked \_\_\_\_\_  
Collar \_\_\_\_\_

**PURGE DATA**

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	Pump intake depth (ft)	Comments (ORP)
9:49	8.94	150						15	
10:00	9.11	150	17.3	6.73	1.05	6.98	2.37	15	91
10:06	9.12	150	17.3	6.72	1.02	5.96	2.39	15	83
10:11	9.13	150	17.2	6.72	0.95	4.86	2.42	15	72
10:16	9.13	150	17.2	6.73	0.92	4.28	2.43	15	65
10:21	9.14	150	17.1	6.73	0.84	5.60	2.43	15	60
10:26	9.14	150	17.1	6.73	0.77	1.95	2.43	15	56
10:31	9.15	150	17.2	6.73	0.70	1.31	2.42	15	53
		150							
		150							
		150							
		150							

Purge Observations: \_\_\_\_\_  
Purge Water Containerized: \_\_\_\_\_

**EQUIPMENT DOCUMENTATION**

Type of Pump: \_\_\_\_\_  
Type of Tubing: \_\_\_\_\_  
Type of Water Quality Meter: \_\_\_\_\_

Calibrated: \_\_\_\_\_

**ANALYTICAL PARAMETERS**

Parameter	Volumes	Sample Collected

**LOCATION NOTES**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signature: \_\_\_\_\_  
Checked By: \_\_\_\_\_

# Low Flow Groundwater Sampling Field Record



2230 Penfield Road  
Penfield, New York 14526  
585.377.1450 Fax 585.377.1266

Project Name Orchard-Whitney ERP

Job # 4216

Location ID MW-10

Field Sample ID OW-MW-10-13

Sampling Event # 1

Activity Time 9:00-10:30

Sample Time 10:10

Date 10/14/08

## SAMPLING NOTES

Initial Depth to Water 9.66 feet

Measurement Point top of PVC

Well Diameter 2

Final Depth to Water 11.10 feet

Well Depth 17.88 feet

Well Integrity:

Screen Length 10 feet

Pump Intake Depth \_\_\_\_\_

Cap X

Total Volume Purged 2.9 gallons

PID Well Head \_\_\_\_\_

Casing X

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Locked \_\_\_\_\_

Volume of Water in casing – 2” diameter = 0.163 gallons per foot of depth, 4” diameter = 0.653 gallons per foot of depth

Collar X

## PURGE DATA

Drawdown volume =  $0.2 \times 3 = 0.6$  gallons

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	Pump intake depth (ft)	Comments (ORP)
9:12	9.66	250						12	
9:17	10.00	250	18.1	7.1	9.81	10	1.50	13	69
9:20	10.20	250	18.1	7.2	9.89	10	1.53	13	67
9:25	10.35	250	18.0	7.2	9.53	4.8	1.57	13	7.5
9:30	10.51	250	17.9	7.3	9.12		1.58	13	87
9:35	10.60	250	17.9	7.3	8.82	7.8	1.53	13	88
9:40	10.72	250	17.9	7.3	8.55		1.41	13	91
9:45	10.76	250	17.9	7.3	8.41	5.5	1.41	13	92
9:50	10.82	250	17.9	7.3	8.14		1.37	13	94
9:55	10.85	250	17.9	7.3	8.05	4.4	1.37	13	94
10:00	10.90	250	17.9	7.3	7.50		1.36	13	95
10:05	10.96	250	17.9	7.3	7.37	7.1	1.37	13	95

Purge Observations: clear

Purge Water Containerized: no

## EQUIPMENT DOCUMENTATION

Type of Pump: Peristaltic-Geopump

Type of Tubing: polyethylene

Type of Water Quality Meter: Horiba U-22

Calibrated: \_\_\_\_\_

## ANALYTICAL PARAMETERS

Parameter Volumes Sample Collected

VOCs 3-40mL X

SVOCs 2-1L X

PCBs 2-1L X

Metals 1-8oz X

## LOCATION NOTES

Well drawing down, geopump will only pump @250 ml/min, lowest rate

Check drawdown volume, all other parameters stable.

Removed 3X drawdown volume West of Whitney Street and Site,

East of H&S Motors Used Cars

Signature: Rebecca May

Checked By: \_\_\_\_\_



**Low Flow Groundwater Sampling  
Field Record**



2230 Penfield Road  
Penfield, New York 14526  
585.377.1450 Fax 585.377.1266

Project Name Orchard-Whitney ERP  
Location ID MW-11  
Activity Time 14:15-15:35

Field Sample ID OW-MW-11-12  
Sample Time 15:10

Job # 4216  
Sampling Event # 1  
Date 10/7/08

**SAMPLING NOTES**

Initial Depth to Water 4.97 feet      Measurement Point top of riser      Well Diameter 2  
Final Depth to Water 5.11 feet      Well Depth 15.42 feet      Well Integrity:  
Screen Length \_\_\_\_\_ feet      Pump Intake Depth \_\_\_\_\_      Cap X  
Total Volume Purged 1.6 gallons      PID Well Head \_\_\_\_\_      Casing X

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing – 2” diameter = 0.163 gallons per foot of depth, 4” diameter = 0.653 gallons per foot of depth

Locked \_\_\_\_\_  
Collar X

**PURGE DATA**

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments (ORP)
14:40	5.17	240						12	
14:45	5.16	200	18.8	6.8	0.00	0.70	1.61	12	230
14:50	5.17	200	18.0	6.9	0.00	0.36	1.47	12	207
14:55	5.18	200	18.0	6.9	0.00	0.31	1.40	12	180
15:00	5.18	200	18.0	6.9	0.00	0.11	1.39	12	166
15:05	5.19	200	18.0	6.9	0.00	0.16	1.37	12	145
15:10									Sample collected

Purge Observations: clear  
Purge Water Containerized: no

**EQUIPMENT DOCUMENTATION**

Type of Pump: Geopump  
Type of Tubing: 3/8” HDPE  
Type of Water Quality Meter: Horiba U-22; Lamotte 2020

Calibrated: \_\_\_\_\_

**ANALYTICAL PARAMETERS**

Parameter	Volumes	Sample Collected
VOCs	3-40mL	X
SVOCs	2-1L	X
PCBs	2-1L	X
Metals	250 mL	X

**LOCATION NOTES**

SW corner of Site;  
near berm of debris  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signature: Laura Smith  
Checked By: \_\_\_\_\_

**Low Flow Groundwater Sampling  
Field Record**



2230 Penfield Road  
Penfield, New York 14526  
585.377.1450 Fax 585.377.1266

Project Name Orchard-Whitney ERP  
Location ID MW-12  
Activity Time 13:15

Field Sample ID OW-MW-12-12  
Sample Time 14:15

Job # 4216  
Sampling Event # 1  
Date 10/7/08

**SAMPLING NOTES**

Initial Depth to Water 6.16 feet      Measurement Point low point in PVC      Well Diameter 2  
Final Depth to Water 8.60 feet      Well Depth 12.98 feet      Well Integrity:  
Screen Length 7 feet      Pump Intake Depth \_\_\_\_\_      Cap X  
Total Volume Purged 3.9 gallons      PID Well Head \_\_\_\_\_      Casing X  
[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]      Locked X  
Volume of Water in casing – 2” diameter = 0.163 gallons per foot of depth, 4” diameter = 0.653 gallons per foot of depth      Collar X

**PURGE DATA**

Drawdown volume= 0.39 gallons

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments (ORP)
13:25	6.50	300	19.2	6.7	1.04	65	1.66	12	12
13:30	7.05	300	18.9	6.5	0.49		1.98	12	1
13:35	7.34	300	19.1	6.4	0.26	48	2.36	12	4
13:40	7.58	300	19.1	6.5	0.33		2.27	12	5
13:45	7.85	300	19.0	6.7	0.15		2.22	12	-5
13:50	8.05	300	19.0	6.7	0.09	11.8	2.10	12	-11
13:55	8.10	300	19.0	6.7	0.07		2.06	12	-12
14:00	8.16	300	19.0	6.7	0.07		1.98	12	-13
14:05	8.30	300	19.0	6.7	0.05		1.92	12	-15
14:10	8.40	300	19.0	6.7	0.04	1.8	1.84	12	-16
14:15									Sample collected

Purge Observations: clear  
Purge Water Containerized: no

**EQUIPMENT DOCUMENTATION**

Type of Pump: Geopump  
Type of Tubing: polyethylene  
Type of Water Quality Meter: Horiba U-22; Lamotte 2020

Calibrated: 10/8/08

**ANALYTICAL PARAMETERS**

Parameter	Volumes	Sample Collected
VOCs	3-40mL	X
SVOCs	2-1L	X
PCBs	2-1L	X
Metals	250 mL	X

**LOCATION NOTES**

Continued slow drawdown, but all parameters stable.  
Volume purged sufficient for drawdown volume.  
East of Whitney Street and South of driveway

Signature: Rebecca May  
Checked By: \_\_\_\_\_



**Low Flow Groundwater Sampling  
Field Record**



2230 Penfield Road  
Penfield, New York 14526  
585.377.1450 Fax 585.377.1266

Project Name Orchard-Whitney ERP  
Location ID MW-13  
Activity Time 11:00

Field Sample ID OW-MW-13-11  
Sample Time 12:05  
OW-MW-13-11-MS@12:35  
OW-MW-13-11-MSD@12:55

Job # 4216  
Sampling Event # 1  
Date 10/14/08

**SAMPLING NOTES**

Initial Depth to Water 6.71 feet      Measurement Point PVC riser      Well Diameter 2  
Final Depth to Water 6.78 feet      Well Depth 14.51 feet      Well Integrity:  
Screen Length 10 feet      Pump Intake Depth \_\_\_\_\_      Cap X  
Total Volume Purged 2.6 gallons      PID Well Head \_\_\_\_\_      Casing X  
Locked \_\_\_\_\_  
Collar X

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]  
Volume of Water in casing – 2” diameter = 0.163 gallons per foot of depth, 4” diameter = 0.653 gallons per foot of depth

**PURGE DATA**

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	Pump intake depth (ft)	Comments (ORP)
11:25	6.71							11	Start pump
11:30	6.82	275	17.7	7.3	0.0	15	0.96	11	99
11:36	6.82	250	17.7	7.3	0.0	8	0.96	11	99
11:40	6.78	250	17.7	7.3	0.0	<0.1	0.96	11	99
11:45	6.78	250	17.7	7.3	0.0	<0.1	0.96	11	99
11:50	6.78	250	17.6	7.3	0.0	<0.1	0.95	11	99
11:55	6.78	250	17.4	7.3	0.0	<0.1	0.95	11	99
12:00	6.78	250	17.4	7.3	0.0	<0.1	0.95	11	99
12:05									sample
12:35									sample

Purge Observations: clear  
Purge Water Containerized: no

**EQUIPMENT DOCUMENTATION**

Type of Pump: Peristaltic-Geopump  
Type of Tubing: polyethylene  
Type of Water Quality Meter: Horiba U-22

Calibrated: 10/13/08

**ANALYTICAL PARAMETERS**

Parameter	Volumes	Sample Collected
VOCs	3-40mL	X
SVOCs	2-1L	X
PCBs	2-1L	X
Metals	1-8oz	X

**LOCATION NOTES**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signature: Rebecca May  
Checked By: \_\_\_\_\_

**Low Flow Groundwater Sampling  
Field Record**



2230 Penfield Road  
Penfield, New York 14526  
585.377.1450 Fax 585.377.1266

Project Name Orchard-Whitney ERP Job # 4216  
 Location ID MW-14 Field Sample ID OW-MW-14-12 Sampling Event # 1  
 Activity Time 12:40 Sample Time 13:40 Date 10/8/08

**SAMPLING NOTES**

Initial Depth to Water 8.43 feet Measurement Point north side of PVC Well Diameter 2  
 Final Depth to Water 13.9 feet Well Depth 13.95 feet Well Integrity:  
 Screen Length 10 feet Pump Intake Depth \_\_\_\_\_ Cap X  
 Total Volume Purged 5 gallons PID Well Head \_\_\_\_\_ Casing X  
 [purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter] Locked \_\_\_\_\_  
 Volume of Water in casing – 2” diameter = 0.163 gallons per foot of depth, 4” diameter = 0.653 gallons per foot of depth Collar X

**PURGE DATA**

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments (ORP)
12:48	8.43	300							
12:50	8.68	300	16.8	6.55	1.99	38	1.68	12	275
12:55	8.90	300	17.4	6.76	4.66		1.34	12	254
13:00	9.08	300	17.5	6.82	5.41	14	1.26	12	252
13:05	9.16	300	17.5	6.84	5.55		1.20	12	251
13:10	9.78	300	17.6	6.85	5.37		1.16	12	249
13:15	12.1	300	17.1	6.93	5.14		1.30	12	218/2.11 gal
13:20									Purge well dry
13:30									0.3 gallons
									Sample on recharge

Purge Observations: clear  
 Purge Water Containerized: no

**EQUIPMENT DOCUMENTATION**

Type of Pump: Peristaltic  
 Type of Tubing: polyethylene  
 Type of Water Quality Meter: Horiba U-22; Lamotte 2020

Calibrated: 10/8/08

**ANALYTICAL PARAMETERS**

Parameter	Volumes	Sample Collected
VOCs	3-40mL	X
SVOCs	2-1L	X
PCBs	2-1L	X
Metals	250 mL	X

**LOCATION NOTES**

west of 1-story Orchard Street bldgs and furniture store  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: Rebecca May  
 Checked By: \_\_\_\_\_

**Low Flow Groundwater Sampling  
Field Record**



2230 Penfield Road  
Penfield, New York 14526  
585.377.1450 Fax 585.377.1266

Project Name Orchard-Whitney ERP  
Location ID MW-15  
Activity Time 12:45-14:20

Field Sample ID OW-MW-15-11  
Sample Time 13:40

Job # 4216  
Sampling Event # 1  
Date 10/8/08

**SAMPLING NOTES**

Initial Depth to Water 7.21 feet      Measurement Point top of riser      Well Diameter 2  
Final Depth to Water 7.43 feet      Well Depth 14.71 feet      Well Integrity:  
Screen Length \_\_\_\_\_ feet      Pump Intake Depth \_\_\_\_\_      Cap X  
Total Volume Purged 1.8 gallons      PID Well Head \_\_\_\_\_      Casing X  
[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]      Locked \_\_\_\_\_  
Volume of Water in casing – 2” diameter = 0.163 gallons per foot of depth, 4” diameter = 0.653 gallons per foot of depth      Collar X

**PURGE DATA**

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments (ORP)
13:08	7.39	225	19.2	7.1	0.00 *	13.3	3.31	11	280 /*DO Sensor not working
13:13	7.42	225	18.0	7.1	0.00	12.0	2.96	11	268
13:18	7.45	225	17.8	7.2	0.00	4.41	2.87	11	258
13:23	7.45	225	17.9	7.2	0.00	3.43	2.76	11	250
13:28	7.45	250	17.9	7.2	0.00	1.85	2.75	11	243
13:33	7.46	250	17.8	7.2	0.00	1.35	2.69	11	234
13:38	7.46	250	17.9	7.2	0.00	0.68	2.77	11	
13:40									Sample collected

Purge Observations: clear  
Purge Water Containerized: no

**EQUIPMENT DOCUMENTATION**

Type of Pump: Geopump  
Type of Tubing: 3/8” HDPE  
Type of Water Quality Meter: Horiba U-22; Lamotte 2020

Calibrated: \_\_\_\_\_

**ANALYTICAL PARAMETERS**

Parameter	Volumes	Sample Collected
VOCs	3-40mL	X
SVOCs	2-1L	X
PCBs	2-1L	X
Metals	250 mL	X

**LOCATION NOTES**

Just west of 1-story bldg;  
south of MW-14  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signature: Laura Smith  
Checked By: \_\_\_\_\_

**Low Flow Groundwater Sampling  
Field Record**



2230 Penfield Road  
Penfield, New York 14526  
585.377.1450 Fax 585.377.1266

Project Name Orchard-Whitney ERP  
Location ID MW-16  
Activity Time 14:30

Field Sample ID OW-MW-16-15  
Sample Time 16:00

Job # 4216  
Sampling Event # 1  
Date 10/8/08

**SAMPLING NOTES**

Initial Depth to Water 7.35 feet      Measurement Point top of riser      Well Diameter 2  
Final Depth to Water 7.57 feet      Well Depth 22.6 feet      Well Integrity:  
Screen Length 10 feet      Pump Intake Depth X      Cap X  
Total Volume Purged \_\_\_\_\_ gallons      PID Well Head X      Casing X

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing – 2” diameter = 0.163 gallons per foot of depth, 4” diameter = 0.653 gallons per foot of depth

Locked \_\_\_\_\_  
Collar X

**PURGE DATA**

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments (ORP)
15:00	7.46	350	14.3	6.9	0.10	34	0.97	15	13
15:05	7.48	350	14.3	6.89	0.04	14	1.05	15	-11
15:10	7.50	350	14.3	6.9	0.02	10	1.05	15	-13
15:15	7.52	350	14.3	6.93	0.01	2.5	1.07	15	-17
15:20	7.53	350	14.3	7.0	0.00	1.2	1.06	15	-24
15:25	7.54	350	14.2	7.10	0.00		1.03	15	-33
15:30	7.55	350	14.2	7.11	0.00		1.03	15	-34
15:35	7.56	350	14.2	7.2	0.01		1.02	15	-37
15:40	7.57	350	14.3	7.2	0.00		1.02	15	-38
15:45	7.57	350	14.2	7.2	0.00		1.02	15	-39
15:50	7.57	350	14.2	7.2	0.00		1.02	15	-38
16:00									Sample collected

Purge Observations: clear  
Purge Water Containerized: no

**EQUIPMENT DOCUMENTATION**

Type of Pump: Geopump  
Type of Tubing: 3/8” HDPE  
Type of Water Quality Meter: Horiba U-22; Lamotte 2020

Calibrated: \_\_\_\_\_

**ANALYTICAL PARAMETERS**

Parameter	Volumes	Sample Collected
VOCs	3-40mL	X
SVOCs	2-1L	X
PCBs	2-1L	X
Metals	250 mL	X

**LOCATION NOTES**

west of Orchard St., one story bldg  
north of Orchard building

Signature: Rebecca May  
Checked By: \_\_\_\_\_

**Low Flow Groundwater Sampling  
Field Record**



2230 Penfield Road  
Penfield, New York 14526  
585.377.1450 Fax 585.377.1266

Project Name Orchard-Whitney ERP  
Location ID MW-17  
Activity Time 14:33-16:20

Field Sample ID OW-MW-17-12  
Sample Time 15:50

Job # 4216  
Sampling Event # 1  
Date 10/14/08

**SAMPLING NOTES**

Initial Depth to Water 6.54 feet      Measurement Point 12.0 feet      Well Diameter \_\_\_\_\_  
Final Depth to Water 6.93 feet      Well Depth 15.29 feet      Well Integrity: \_\_\_\_\_  
Screen Length \_\_\_\_\_ feet      Pump Intake Depth \_\_\_\_\_      Cap \_\_\_\_\_  
Total Volume Purged \_\_\_\_\_ gallons      PID Well Head \_\_\_\_\_      Casing \_\_\_\_\_  
[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]      Locked \_\_\_\_\_  
Volume of Water in casing – 2” diameter = 0.163 gallons per foot of depth, 4” diameter = 0.653 gallons per foot of depth      Collar \_\_\_\_\_

**PURGE DATA**

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	Pump intake depth (ft)	Comments (ORP)
14:42	6.81	150							
14:47	6.85	150	15.8	7.23	4.26	49.1	2.20	12	143
14:52	6.91	150	15.8	7.20	4.38	42.8	2.22	12	142
14:58	6.94	150	15.7	7.18	4.53	45.1	2.23	12	142
15:04	6.99	150	15.9	7.16	4.74	38.0	2.25	12	143
15:09	7.02	150	15.8	7.15	4.68	34.1	2.25	12	145
15:14	7.03	150	15.8	7.15	4.68	31.4	2.26	12	146
15:19	7.04	150	15.8	7.14	4.73	25.9	2.27	12	146
15:25	7.05	150	15.8	7.14	4.71	23.6	2.27	12	147
15:30	7.06	150	15.8	7.14	4.71	23.6	2.27	12	148
15:39	7.06	150	15.4	7.16	4.68	19.9	2.26	12	149
15:44	7.06	150	15.4	7.15	4.60	16.9	2.27	12	150

Purge Observations: Green tint to water possibly why turbidity couldn't be reduced <10  
Purge Water Containerized: \_\_\_\_\_

**EQUIPMENT DOCUMENTATION**

Type of Pump: \_\_\_\_\_  
Type of Tubing: \_\_\_\_\_  
Type of Water Quality Meter: \_\_\_\_\_

Calibrated: \_\_\_\_\_

**ANALYTICAL PARAMETERS**

Parameter	Volumes	Sample Collected

**LOCATION NOTES**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signature: \_\_\_\_\_  
Checked By: \_\_\_\_\_

# Low Flow Groundwater Sampling Field Record



2230 Penfield Road  
Penfield, New York 14526  
585.377.1450 Fax 585.377.1266

Project Name Orchard-Whitney ERP

Job # 4216

Location ID MW-18

Field Sample ID OW-MW-18-12

Sampling Event # 1

Activity Time 15:00-16:30

Sample Time 16:00

Date 10/8/08

## SAMPLING NOTES

Initial Depth to Water 6.63 feet

Measurement Point top of riser

Well Diameter 2

Final Depth to Water 6.64 feet

Well Depth 15.75 feet

Well Integrity:

Screen Length \_\_\_\_\_ feet

Pump Intake Depth \_\_\_\_\_

Cap X

Total Volume Purged 2.5 gallons

PID Well Head \_\_\_\_\_

Casing X

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Locked \_\_\_\_\_

Volume of Water in casing – 2” diameter = 0.163 gallons per foot of depth, 4” diameter = 0.653 gallons per foot of depth

Collar X

## PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments (ORP)
15:28	6.70	300	18.2	7.3	0.00*	26.2	2.46	12	252 /*DO Sensor not working
15:33	6.71	300	17.3	7.3	0.00	17.3	1.99	12	246
15:40	6.71	300	17.1	7.4	0.00	1.98	1.70	12	235
15:45	6.71	300	17.1	7.4	0.00	2.11	1.67	12	231
15:50	6.72	300	17.1	7.4	0.00	1.34	1.60	12	227
16:00									Sample collected

Purge Observations: clear

Purge Water Containerized: no

## EQUIPMENT DOCUMENTATION

Type of Pump: Geopump

Type of Tubing: 3/8" HDPE

Type of Water Quality Meter: Horiba U-22; Lamotte 2020

Calibrated: \_\_\_\_\_

## ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
VOCs	3-40mL	X
SVOCs	2-1L	X
PCBs	2-1L	X
Metals	250 mL	X

## LOCATION NOTES

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signature: Laura Smith

Checked By: \_\_\_\_\_

**Low Flow Groundwater Sampling  
Field Record**



2230 Penfield Road  
Penfield, New York 14526  
585.377.1450 Fax 585.377.1266

Project Name Orchard-Whitney ERP Job # 4216  
 Location ID MW-19 Field Sample ID OW-MW-19-13 Sampling Event # 1  
 Activity Time 15:30 Sample Time 16:55 Date 10/14/08

**SAMPLING NOTES**

Initial Depth to Water 9.01 feet Measurement Point top of PVC Well Diameter 2  
 Final Depth to Water 14.42 feet Well Depth 14.42 feet Well Integrity:  
 Screen Length 10 feet Pump Intake Depth \_\_\_\_\_ Cap X  
 Total Volume Purged 2.67 gallons PID Well Head \_\_\_\_\_ Casing X  
 [purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter] Locked \_\_\_\_\_  
 Volume of Water in casing – 2” diameter = 0.163 gallons per foot of depth, 4” diameter = 0.653 gallons per foot of depth Collar X

**PURGE DATA**

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	Pump intake depth (ft)	Comments (ORP)
16:02								13	Start pump
16:05	9.20	275	16.7	7.9	0.88	24	1.26	13	106
16:10	9.78	250	16.5	8.1	2.67	17	1.21	13	113/0.325
16:15	10.26	225	16.8	8.3	3.29	20	1.16	13	112
16:20	10.91	200	16.7	8.1	1.39	19	1.19	13	118
16:25	11.12	200	16.7	8.0	1.60	18	1.21	13	118
16:30	11.24	200	16.6	8.0	1.51	16	1.22	13	118/1.04
16:35	11.4	.500							
16:40	14.42								1.3

Purge Observations: clear  
 Purge Water Containerized: \_\_\_\_\_

**EQUIPMENT DOCUMENTATION**

Type of Pump: Peristaltic-Geopump  
 Type of Tubing: polyethylene  
 Type of Water Quality Meter: Horiba U-22 Calibrated: 10/13/08

**ANALYTICAL PARAMETERS**

Parameter	Volumes	Sample Collected
VOCs	3-40mL	X
SVOCs	2-1L	X
PCBs	2-1L	X
Metals	1-8oz	X

**LOCATION NOTES**

Unable to stabilize dtw at lowest purge rate, pump well dry, will sample on recharge  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: Rebecca May  
 Checked By: \_\_\_\_\_

**Low Flow Groundwater Sampling  
Field Record**



2230 Penfield Road  
Penfield, New York 14526  
585.377.1450 Fax 585.377.1266

Project Name Orchard-Whitney ERP Job # 4216  
 Location ID MW-20 Field Sample ID OW-MW-20-13 Sampling Event # 1  
 Activity Time 11:19-13:59 Sample Time 13:42 Date 10/14/08

**SAMPLING NOTES**

Initial Depth to Water 5.87 feet Measurement Point 13.0 feet Well Diameter \_\_\_\_\_  
 Final Depth to Water 16.61 feet Well Depth 16.61 feet Well Integrity: \_\_\_\_\_  
 Screen Length \_\_\_\_\_ feet Pump Intake Depth \_\_\_\_\_ Cap \_\_\_\_\_  
 Total Volume Purged \_\_\_\_\_ gallons PID Well Head \_\_\_\_\_ Casing \_\_\_\_\_  
 [purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter] Locked \_\_\_\_\_  
 Volume of Water in casing – 2” diameter = 0.163 gallons per foot of depth, 4” diameter = 0.653 gallons per foot of depth Collar \_\_\_\_\_

**PURGE DATA**

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	Pump intake depth (ft)	Comments (ORP)
11:37	5.81	150							
11:48	6.99	150	17.0	6.66	0.41	4.20	1.93	13	13
11:56	7.23	150	17.1	6.65	0.56	4.42	1.97	13	6
12:02	7.36	150	17.1	6.66	1.09	4.42	1.98	13	9
12:07	7.71	150	17.2	6.67	0.41	13.3	1.76	13	-24
12:12	7.98	150	17.2	6.66	0.36	23.5	1.79	13	-29
12:17	8.22	150	17.2	6.67	0.37	89.6	1.84	13	-30
		150							
		150							
		150							
		150							
		150							

Purge Observations: at 12:17- well drawing down and turbidity increasing; pump well dry at a  
purge rate of 350 ml/min; 13:08- well pumped dry  
 Purge Water Containerized: \_\_\_\_\_

**EQUIPMENT DOCUMENTATION**

Type of Pump: \_\_\_\_\_  
 Type of Tubing: \_\_\_\_\_  
 Type of Water Quality Meter: \_\_\_\_\_

Calibrated: \_\_\_\_\_

**ANALYTICAL PARAMETERS**

Parameter Volumes Sample Collected  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**LOCATION NOTES**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: \_\_\_\_\_



# Low Flow Groundwater Sampling Field Record



2230 Penfield Road  
Penfield, New York 14526  
585.377.1450 Fax 585.377.1266

Project Name Orchard-Whitney ERP

Job # 4216

Location ID MW-21

Field Sample ID OW-MW-21-15

Sampling Event # 1

Activity Time 14:15-15:30

Sample Time 15:00

Date 10/14/08

## SAMPLING NOTES

Initial Depth to Water 5.61 feet

Measurement Point Top of PVC

Well Diameter 2

Final Depth to Water 6.10 feet

Well Depth 18.40 feet

Well Integrity:

Screen Length 10 feet

Pump Intake Depth \_\_\_\_\_

Cap X

Total Volume Purged 2.34 gallons

PID Well Head \_\_\_\_\_

Casing X

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing – 2” diameter = 0.163 gallons per foot of depth, 4” diameter = 0.653 gallons per foot of depth

Locked \_\_\_\_\_

Collar X

## PURGE DATA

drawdown volume \*3=0.23 gal

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	Pump intake depth (ft)	Comments (ORP)
14:22	5.61							15	Start pump
14:25	5.75	225	15.5	8.1	0.06	82	0.67	15	99
14:30	5.84	225	15.3	8.1	0.02	36	0.67	15	99
14:35	5.98	225	15.0	8.1	0.00	28	0.66	15	100
14:40	6.02	225	15.0	8.1	0.00	23	0.66	15	100
14:45	6.05	225	14.9	8.1	0.00	<0.01	0.65	15	100
14:50	6.06	225	14.9	8.0	0.00	<0.01	0.65	15	100
14:55	6.08	225	14.9	8.0	0.00	<0.01	0.64	15	100
		150							
		150							
		150							
		150							

Purge Observations: \_\_\_\_\_

Purge Water Containerized: \_\_\_\_\_

## EQUIPMENT DOCUMENTATION

Type of Pump: Peristaltic-Geopump

Type of Tubing: Polyethylene

Type of Water Quality Meter: Horiba U-22

Calibrated: 10/13/08

## ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
VOCs	3-40mL	X
SVOCs	2-1L	X
PCBs	2-1L	X
Metals	1-8oz	X

## LOCATION NOTES

Signature: Rebecca May

Checked By: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# Low Flow Groundwater Sampling Field Record



2230 Penfield Road  
Penfield, New York 14526  
585.377.1450 Fax 585.377.1266

Project Name Orchard-Whitney ERP

Job # 4216

Location ID MW-22

Field Sample ID OW-MW-22-13

Sampling Event # 1

Activity Time 8:32

Sample Time 9:40

Date 10/15/08

## SAMPLING NOTES

Initial Depth to Water 6.00 feet

Measurement Point 13.0 feet

Well Diameter \_\_\_\_\_

Final Depth to Water 6.14 feet

Well Depth 15.65 feet

Well Integrity:

Screen Length \_\_\_\_\_ feet

Pump Intake Depth \_\_\_\_\_

Cap \_\_\_\_\_

Total Volume Purged \_\_\_\_\_ gallons

PID Well Head \_\_\_\_\_

Casing \_\_\_\_\_

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Locked \_\_\_\_\_

Volume of Water in casing – 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

Collar \_\_\_\_\_

## PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	Pump intake depth (ft)	Comments (ORP)
8:45	6.06	150	12.6	6.9	6.71	6.9	1.23	13.0	110
8:51	6.11	150	13.0	7.1	6.45		1.24	13.0	110
8:58	6.12	150	13.1	7.2	6.61	44.1	1.25	13.0	109
9:04	6.16	150	13.1	7.2	6.64		1.26	13.0	109
9:11	6.17	150	13.2	7.2	6.57	21.0	1.26	13.0	108
9:16	6.19	150	13.2	7.2	6.62		1.26	13.0	108
9:21	6.20	150	13.2	7.2	6.55	13.4	1.27	13.0	108
9:26	6.21	150	13.3	7.2	6.59	11.1	1.27	13.0	108
9:32	6.22	150	13.3	7.2	6.58	10.1	1.27	13.0	108

Purge Observations: \_\_\_\_\_

Purge Water Containerized: \_\_\_\_\_

## EQUIPMENT DOCUMENTATION

Type of Pump: \_\_\_\_\_

Type of Tubing: \_\_\_\_\_

Type of Water Quality Meter: \_\_\_\_\_

Calibrated: \_\_\_\_\_

## ANALYTICAL PARAMETERS

Parameter Volumes Sample Collected

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## LOCATION NOTES

\_\_\_\_\_  
\_\_\_\_\_  
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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signature: \_\_\_\_\_

Checked By: \_\_\_\_\_

# Low Flow Groundwater Sampling Field Record

2230 Penfield Road  
Penfield, New York 14526  
585.377.1450 Fax 585.377.1266

Project Name Orchard/Whitney  
Location ID MW-3  
Activity Time 10:00-13:20

Field Sample ID OW-MW-3-9  
Sample Time @ 12:40

Job # 4216  
Sampling Event # 2  
Date 3/9/09

### SAMPLING NOTES

OW-MW-3-9-D  
@ 12:50

Initial Depth to Water 4.71 feet  
Final Depth to Water 6.40 feet  
Screen Length 10.3 feet  
Total Volume Purged 4.01 gallons  
Measurement Point TOR  
Well Depth 14.05 feet  
Pump Intake Depth 9  
PID Well Head —  
Well Diameter 2"  
Well Integrity:  
Cap   
Casing   
Locked   
Collar

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
<del>10:30</del>									
11:05	4.45	Start	pump						
11:10	4.87	250	8.1	9.5	4.25	4.39	0.78	117	
11:15	5.21	2250	6.9	9.4	3.94		0.81	124	
11:20	5.50	200	6.9	9.3	3.99		0.81	126	
11:30	5.70	175	6.6	9.2	3.53	6.69	0.82	134	
11:40	5.79	175	6.6	9.2	2.03		0.92	139	
11:45	5.82	175	6.6	8.9	1.66		0.96	141	
11:50	5.85	175	6.8	8.8	1.09	2.63	1.47	139	
11:55	5.88	175	6.8	8.6	0.69		2.88	132	
12:05	5.91	175	6.8	8.3	0.09		5.08	113	
12:10	5.96	175	7.0	8.0	0.00		6.99	86	<del>over</del>

Purge Observations: clear no odor

Purge Water Containerized: no

### EQUIPMENT DOCUMENTATION

Type of Pump: Geopump  
Type of Tubing: Polyethylene  
Type of Water Quality Meter: Horiba U-22; LaMotte 2020

Calibrated: 3-9-09

### ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
VOCs	3 x 40 ml	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
TAL Metals	1 x 250ml	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
SVOCs	1 x 1L	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
PCBs	1 x 1L	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
Extra	1 x 1L	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>

### LOCATION NOTES

Well flooded but j-plug intake  
Immediately N of fence  
closest to Whitney  
S of Whitney driveway

Signature: Rebecca May  
Checked By: L. Smith



# Low Flow Groundwater Sampling Field Record



2230 Penfield Road  
Penfield, New York 14526  
585.377.1450 Fax 585.377.1266

Project Name Orchard/Whitney  
Location ID MW-5  
Activity Time 14:00 - 15:30

Field Sample ID OW-MW-5-13  
Sample Time 15:15

Job # 4216  
Sampling Event # 2  
Date 3-9-09

### SAMPLING NOTES

Initial Depth to Water 5.61 feet  
Final Depth to Water 5.66 feet  
Screen Length 10 feet  
Total Volume Purged 2.34 gallons  
Measurement Point TOR  
Well Depth 15.35 feet  
Pump Intake Depth 13  
PID Well Head -

Well Diameter 2"  
Well Integrity:  
Cap   
Casing   
Locked   
Collar

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
14:30	start pump								
14:35	5.65	200	8.9	7.8	3.49	20.1	0.72	204	
14:40	5.66	200	7.4	7.7	3.34		0.84	200	
14:45	5.66	200	6.9	7.7	3.05		0.86	199	
14:50	5.66	200	7.3	7.6	3.00	1.12	0.85	197	
14:55	5.66	200	7.2	7.6	2.93		0.91	196	
15:00	5.66	200	7.1	7.6	2.91		0.92	196	
15:05	5.66	200	7.1	7.5	2.74		0.95	195	
15:10	5.66	200	7.1	7.5	2.74		0.95	197	
15:15	sample								

Purge Observations: clear, no odor

Purge Water Containerized: no

### EQUIPMENT DOCUMENTATION

Type of Pump: Geopump  
Type of Tubing: Polyethylene  
Type of Water Quality Meter: Horiba U-22; LaMotte 2020

Calibrated: 3-9-09

### ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
VOCs	3 x 40 ml	<input checked="" type="checkbox"/>
TAL Metals	1 x 250ml	<input checked="" type="checkbox"/>
SVOCs	1 x 1L	<input checked="" type="checkbox"/>
PCBs	1 x 1L	<input checked="" type="checkbox"/>
Extra	1 x 1L	<input checked="" type="checkbox"/>

### LOCATION NOTES

Immediately south of fence  
along Whitney Driveway

Signature: Rebecca E May  
Checked By: L. Smith

**Low Flow Groundwater Sampling  
Field Record**

Project Name Orchard/Whitney  
Location ID MW-6  
Activity Time 16:45-17:59

Field Sample ID OW-MW-06-14  
Sample Time 17:45

Job # 4216  
Sampling Event # 2  
Date 3/10/09

**SAMPLING NOTES**

Initial Depth to Water 6.78 feet      Measurement Point TOR      Well Diameter 2"  
Final Depth to Water 6.78 feet      Well Depth 15.40 feet      Well Integrity:  
Screen Length 10 feet      Pump Intake Depth 14      Cap   
Total Volume Purged 1.365 gallons      PID Well Head —      Casing   
[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]      Locked   
Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth      Collar

**PURGE DATA**

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
17:07	6.78	150	8.4	7.83	1.19		0.845	117	
17:12	6.78	↓	8.3	7.73	1.44	2.24	0.831	115	
17:18	6.78	↓	8.2	7.59	1.39		0.840	114	
17:23	6.78	↓	8.2	7.51	1.05	3.63	0.855	112	
17:30	6.78	↓	8.2	7.50	1.01	8.41	0.854	112	
17:37	6.78	↓	8.1	7.48	0.77	-0.17	0.858	111	
17:42	6.78	↓	8.2	7.46	0.65	0.00	0.863	110	

Purge Observations: Short on bottles only 2 Ambers filled  
Purge Water Containerized: No

**EQUIPMENT DOCUMENTATION**

Type of Pump: Geopump  
Type of Tubing: Polyethylene  
Type of Water Quality Meter: Horiba U-22; LaMotte 2020

Calibrated: 3-9-09

**ANALYTICAL PARAMETERS**

Parameter	Volumes	Sample Collected
VOCs	3 x 40 ml	<input checked="" type="checkbox"/>
TAL Metals	1 x 250ml	<input checked="" type="checkbox"/>
SVOCs	1 x 1L	<input checked="" type="checkbox"/>
PCBs	1 x 1L	<input checked="" type="checkbox"/>
Extra	1 x 1L	<u>short on bottles</u>

**LOCATION NOTES**

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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
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Signature: [Signature]  
Checked By: RCM

# Low Flow Groundwater Sampling Field Record



2230 Penfield Road  
Penfield, New York 14526  
585.377.1450 Fax 585.377.1266

Project Name Orchard/Whitney  
Location ID Orchard-MW-07  
Activity Time 13:41 - 15:23

Field Sample ID OW-MW-07-09  
Sample Time 15:04

Job # 4216  
Sampling Event # 2  
Date 3/9/09

### SAMPLING NOTES

Initial Depth to Water 6.83 feet  
Final Depth to Water 8.69 ~~4.69~~ feet  
Screen Length 10 feet  
Total Volume Purged 2.467 gallons  
Measurement Point TOR  
Well Depth 9.38 feet  
Pump Intake Depth 9  
PID Well Head -  
Well Diameter 2"  
Well Integrity:  
Cap   
Casing   
Locked   
Collar

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
13:44	7.39	150	6.4	7.46	0.75	10.82	0.782	160	
14:02	7.48	150	6.4	7.54	1.25	7.66	0.760	154	
14:09	7.56	150	6.6	7.58	1.66	5.95	0.735	152	
14:15	7.71	150	6.7	7.58	1.55	7.07	0.752	151	
14:22	7.92	150	6.9	7.58	1.12	9.56	0.765	151	
14:30	8.08	150	7.0	7.56	0.69	9.05	0.782	151	
14:38	8.28	150	7.0	7.55	0.38	4.95	0.788	151	
14:44	8.38	150	6.9	7.54	0.05		0.811	151	
14:50	8.42	150	7.0	7.53	0.0		0.820	150	
14:57	8.45	150	7.1	7.53	0.0		0.827	149	

Purge Observations: Clear  
Purge Water Containerized: No

### EQUIPMENT DOCUMENTATION

Type of Pump: Geopump  
Type of Tubing: Polyethylene  
Type of Water Quality Meter: Horiba U-22; LaMotte 2020

Calibrated: 3-9-09

### ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
VOCs	3 x 40 ml	<input checked="" type="checkbox"/>
TAL Metals	1 x 250ml	<input checked="" type="checkbox"/>
SVOCs	1 x 1L	<input checked="" type="checkbox"/>
PCBs	1 x 1L	<input checked="" type="checkbox"/>
Extra	1 x 1L	<input checked="" type="checkbox"/>

### LOCATION NOTES

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Signature: [Signature]  
Checked By: [Signature] RCM

# Low Flow Groundwater Sampling Field Record



2230 Penfield Road  
Penfield, New York 14526  
585.377.1450 Fax 585.377.1266

Project Name Orchard/Whitney  
Location ID MW-8  
Activity Time 12:11-13:59

Field Sample ID OW-MW-08-14  
Sample Time 13:23

Job # 4216  
Sampling Event # 2  
Date 3/10/09

### SAMPLING NOTES

Initial Depth to Water Did not Measure feet      Measurement Point TOR  
Final Depth to Water Did not measure feet      Well Depth 17.75 feet      Well Diameter 2"  
Screen Length 10 feet      Pump Intake Depth 14      Well Integrity:  
Total Volume Purged 1.716 gallons      PID Well Head -      Cap   
[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]      Casing   
Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth      Locked   
Collar

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
12:34	-	150	8.2	6.95	0.0		1.87	139	
12:39	-	150	8.2	6.92	0.0		1.80	132	
12:45	-	150	8.3	6.88	0.0		1.66	114	
12:51	-	150	8.4	6.89	0.0		1.60	107	
12:57	-	150	8.3	6.88	0.0	3.88	1.59	103	
13:03	-	150	8.3	6.89	0.0	2.68	1.53	95	
13:08	-	150	8.3	6.89	0.0	1.59	1.50	91	
13:13	-	150	8.2	6.88	0.0	0.44	1.49	88	
13:18	-	150	8.1	6.87	0.0	0.28	1.47	85	

Purge Observations: Top of river solid ice - could get tubing out, but not the H<sub>2</sub>O level monitor into well.  
Purge Water Containerized: No

### EQUIPMENT DOCUMENTATION

Type of Pump: Geopump  
Type of Tubing: Polyethylene  
Type of Water Quality Meter: Horiba U-22; LaMotte 2020

Calibrated: 3-9-09

### ANALYTICAL PARAMETERS

### LOCATION NOTES

Parameter	Volumes	Sample Collected
VOCs	3 x 40 ml	<input checked="" type="checkbox"/>
TAL Metals	1 x 250ml	<input checked="" type="checkbox"/>
SVOCs	1 x 1L	<input checked="" type="checkbox"/>
PCBs	1 x 1L	<input checked="" type="checkbox"/>
Extra	1 x 1L	<input checked="" type="checkbox"/>

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Signature: [Signature]  
Checked By: [Signature]



**Low Flow Groundwater Sampling  
Field Record**

Project Name Orchard/Whitney  
Location ID MW-09  
Activity Time 10:27-11:48

Field Sample ID OW-MW09-15  
Sample Time 11:41

Job # 4216  
Sampling Event # 2  
Date 3/9/09

**SAMPLING NOTES**

Initial Depth to Water 6.81 feet  
Final Depth to Water 6.95 feet  
Screen Length 10 feet  
Total Volume Purged 1.989 gallons  
Measurement Point TOR  
Well Depth 18.59 feet  
Pump Intake Depth 15'  
PID Well Head -

Well Diameter 2"  
Well Integrity:  
Cap   
Casing   
Locked   
Collar

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

**PURGE DATA**

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
10:45	6.89	150	6.5	7.13	5.63	2.74	1.74	142	
10:53	6.92	150	6.4	7.08	5.66	1.24	1.74	142	
10:59	6.91	150	6.4	7.05	5.67	0.62	1.75	143	
11:05	6.90	150	6.3	7.04	5.67	0.62	1.75	143	
11:11	6.89	150	6.3	7.03	5.70	0.24	1.74	145	
11:17	6.89	150	6.3	7.02	5.73	0.42	1.75	145	
11:23	6.88	150	6.1	7.02	5.60	0.10	1.75	147	
11:28	6.88	150	6.4	7.02	5.71	0.24	1.74	148	
11:30	6.89	150	6.4	7.02	5.72	0.03	1.75	148	

Purge Observations: Clear  
Purge Water Containerized: No

**EQUIPMENT DOCUMENTATION**

Type of Pump: Geopump  
Type of Tubing: Polyethylene  
Type of Water Quality Meter: Horiba U-22; LaMotte 2020

Calibrated: 3-9-09

**ANALYTICAL PARAMETERS**

Parameter	Volumes	Sample Collected
VOCs	3 x 40 ml	<input checked="" type="checkbox"/>
TAL Metals	1 x 250ml	<input checked="" type="checkbox"/>
SVOCs	1 x 1L	<input checked="" type="checkbox"/>
PCBs	1 x 1L	<input checked="" type="checkbox"/>
Extra	1 x 1L	<u>start on bottles</u>

**LOCATION NOTES**

Signature: [Signature]  
Checked By: RCM

**Low Flow Groundwater Sampling  
Field Record**

Project Name Orchard/Whitney  
Location ID MW-10  
Activity Time 10:30 - 12:00

Field Sample ID OW-MW-10-13  
Sample Time 11:00

Job # 4216  
Sampling Event # 2  
Date 3/9/09

**SAMPLING NOTES**

Initial Depth to Water 6.50 feet  
Final Depth to Water 7.55 feet  
Screen Length 10 feet  
Total Volume Purged 2.6 gallons  
Measurement Point TOR  
Well Depth 17.88 feet  
Pump Intake Depth 13  
PID Well Head \_\_\_\_\_

Well Diameter 2"  
Well Integrity:  
Cap   
Casing   
Locked   
Collar

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

**PURGE DATA**

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
10:05	6.55	200	8.2	8.23	4.14	8.3	1.22	37	
10:10	7.50	200	8.5	8.44	3.70		1.21	38	
10:15	7.45	200	8.5	8.40	3.57	6.4	1.21	41	
10:20	7.40	200	8.4	7.8	3.39	2.4	1.22	43	
10:25	7.50	200	8.3	7.56	3.40	2.0	1.22	46	
10:30	7.43	200	8.3	7.59	3.35	2.3	1.23	50	
10:35	7.44	200	8.2	7.52	3.40	2.0	1.22	51	
10:40	7.45	200	8.1	7.52	3.30		1.21	53	
10:45	7.45	200	8.2	7.52	3.30		1.22	55	
10:50	7.45	200	8.3	7.53	3.3	2.1	1.21	55	
10:55	7.45	200	8.3	7.51	3.3		1.21	57	

Purge Observations: Clear

Purge Water Containerized:

**EQUIPMENT DOCUMENTATION**

Type of Pump: Geopump  
Type of Tubing: Polyethylene  
Type of Water Quality Meter: Horiba U-22; LaMotte 2020

Calibrated: 3-9-09

**ANALYTICAL PARAMETERS**

Parameter	Volumes	Sample Collected
VOCs	3 x 40 ml	<input checked="" type="checkbox"/>
TAL Metals	1 x 250ml	<input checked="" type="checkbox"/>
SVOCs	1 x 1L	<input checked="" type="checkbox"/>
PCBs	1 x 1L	<input checked="" type="checkbox"/>
Extra	1 x 1L	<input checked="" type="checkbox"/>

**LOCATION NOTES**

Signature: \_\_\_\_\_  
Checked By: RCM

# Low Flow Groundwater Sampling Field Record



2230 Penfield Road  
Penfield, New York 14526  
585.377.1450 Fax 585.377.1266

Project Name Orchard/Whitney  
Location ID MW-11  
Activity Time 13:45 - 16:30

Field Sample ID OW-MW-11-12  
Sample Time 15:10

Job # 4216  
Sampling Event # 2  
Date 3/10/09

### SAMPLING NOTES

OW-MW-11-12-MS @ 15:20  
OW-MW-11-12-MSA @ 15:30

Initial Depth to Water 3.55 feet  
Final Depth to Water 4.22 feet  
Screen Length 10 feet  
Total Volume Purged 3.12 gallons  
Measurement Point TOR  
Well Depth 15.42 feet  
Pump Intake Depth \_\_\_\_\_  
PID Well Head \_\_\_\_\_

Well Diameter 2"  
Well Integrity: \_\_\_\_\_  
Cap   
Casing   
Locked   
Collar

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]  
Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
14:10	3.47	start pump							
14:15	3.84	250	6.8	7.6	0.00	12.3	3.77	174	
14:20	3.87	225	6.7	7.6	0.00		2.22	160	
14:25	3.94	200	6.8	7.7	1.36	15.2	2.68	123	Empty flow through - cell from iron bacteria
14:30	3.89	200	6.8	7.6	0.00		2.89	100	
14:40	3.91	200	6.6	7.5	0.00	10.2	2.96	95	
14:50	3.91	200	6.6	7.5	0.00		1.99	94	
14:55	3.91	200	6.5	7.5	0.00	1.19	1.42	91	
15:00	3.91	200	6.5	7.4	0.00		1.41	90	
15:05	3.91	200	6.5	7.4	0.00		1.42	90	
15:10	Sample								

Purge Observations: clear  
Purge Water Containerized: no

### EQUIPMENT DOCUMENTATION

Type of Pump: Geopump  
Type of Tubing: Polyethylene  
Type of Water Quality Meter: Horiba U-22; LaMotte 2020

Calibrated: 3-9-09

### ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
VOCs	3 x 40 ml	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <u>1/2 1/2 1/2 sample</u>
TAL Metals	1 x 250ml	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
SVOCs	1 x 1L	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
PCBs	1 x 1L	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
Extra	1 x 1L	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>

### LOCATION NOTES

Signature: Rebecca May  
Checked By: L. Smith

**Low Flow Groundwater Sampling  
Field Record**

2230 Penfield Road  
Penfield, New York 14526  
585.377.1450 Fax 585.377.1266

Project Name Orchard/Whitney  
Location ID MW-12  
Activity Time 15:50 - 17:15

Field Sample ID OW-MW-12-11  
Sample Time 17:00

Job # 4216  
Sampling Event # 2  
Date 3-9-09

**SAMPLING NOTES**

Initial Depth to Water 4.92 feet  
Final Depth to Water 6.35 feet  
Screen Length 10 feet  
Total Volume Purged 2.6 gallons  
Measurement Point TOR  
Well Depth 12.98 feet  
Pump Intake Depth 11'  
PID Well Head —

Well Diameter 2"  
Well Integrity:  
Cap   
Casing   
Locked   
Collar

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

**PURGE DATA**

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
16:10	Start	pump							
16:15	5.80	200	7.0	7.1	0.63	1.36	19.6	247	
16:20	6.02	200	6.4	7.0	0.00		17.4	237	
16:25	6.04	200	6.9	7.1	0.00		6.31	229	
16:30	6.18	200	6.9	7.1	0.00	1.14	5.77	224	stop to
16:35	6.07	200	7.2	7.1	0.00		5.22	219	* change battery
16:40	6.28	200	7.1	7.1	0.00		5.00	216	
16:45	6.31	200	7.0	7.1	0.00		4.94	215	
16:50	6.31	200	7.1	7.1	0.00		4.70	212	
16:55	6.31	200	7.0	7.1	0.00		4.56	210	
17:00	Sample								

Purge Observations: clear, no odor

Purge Water Containerized: no

**EQUIPMENT DOCUMENTATION**

Type of Pump: Geopump

Type of Tubing: Polyethylene

Type of Water Quality Meter: Horiba U-22; LaMotte 2020

Calibrated: \_\_\_\_\_

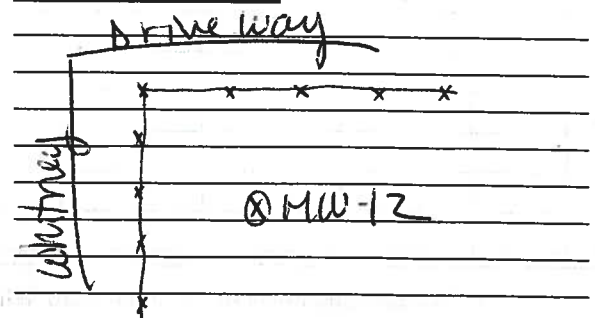
**ANALYTICAL PARAMETERS**

Parameter	Volumes	Sample Collected
VOCs	3 x 40 ml	<input checked="" type="checkbox"/>
TAL Metals	1 x 250ml	<input checked="" type="checkbox"/>
SVOCs	1 x 1L	<input checked="" type="checkbox"/>
PCBs	1 x 1L	<input checked="" type="checkbox"/>
Extra	1 x 1L	<input checked="" type="checkbox"/>

Signature: Rebecca C May

Checked By: L Smith

**LOCATION NOTES**



**Low Flow Groundwater Sampling  
 Field Record**

 2230 Penfield Road  
 Penfield, New York 14526  
 585.377.1450 Fax 585.377.1266

 Project Name Orchard/Whitney  
 Location ID MW-13  
 Activity Time 16:45 -

 Field Sample ID OW-MW-13-11  
 Sample Time 17:35

 Job # 4216  
 Sampling Event # 2  
 Date 3/10/09
**SAMPLING NOTES**

 Initial Depth to Water 5.61 feet      Measurement Point TOR      Well Diameter 2"  
 Final Depth to Water 5.72 feet      Well Depth 14.51 feet      Well Integrity: \_\_\_\_\_  
 Screen Length 10 feet      Pump Intake Depth 11      Cap ✓  
 Total Volume Purged 2.34 gallons      PID Well Head —      Casing ✓

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]  
 Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

 Locked ✓  
 Collar ✓
**PURGE DATA**

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
16:50	start pump								
16:55	5.624	200	7.0	7.7	0.0	11.7	62	239	
17:00	5.71	200	7.2	7.5	0.0	13.1	4.06	227	
17:05	5.71	200	7.2	7.5	0.0	8.9	4.21	224	
17:10	5.72	200	7.4	7.5	0.0	6.2	4.14	220	
17:15	5.72	200	7.6	7.5	0.0	0.48	3.05	218	
17:20	5.72	200	8.0	7.5	0.0		2.38	216	
17:25	5.72	200	8.1	7.5	0.0		2.30	215	
17:30	5.72	200	8.1	7.5	0.0		2.04	214	
17:35	Sample								

 Purge Observations: clear  
 Purge Water Containerized: no
**EQUIPMENT DOCUMENTATION**

 Type of Pump: Geopump  
 Type of Tubing: Polyethylene  
 Type of Water Quality Meter: Horiba U-22; LaMotte 2020

 Calibrated: 3-9-09
**ANALYTICAL PARAMETERS**

Parameter	Volumes	Sample Collected
VOCs	3 x 40 ml	✓ <del>split for Paradigm</del>
TAL Metals	1 x 250ml	✓
SVOCs	1 x 1L	✓
PCBs	1 x 1L	✓
Extra	1 x 1L	— short bottles

**LOCATION NOTES**

 Signature: Rebecca May  
 Checked By: L. Smith

**Low Flow Groundwater Sampling  
Field Record**

Project Name Orchard/Whitney  
Location ID MW-14  
Activity Time 400-530

Field Sample ID QW MW-14-12  
Sample Time 445

Job # 4216  
Sampling Event # 2  
Date 3/9/09

**SAMPLING NOTES**

Initial Depth to Water 6.75 feet  
Final Depth to Water 7.40 feet  
Screen Length 10 feet  
Total Volume Purged 2285.85 gallons  
Measurement Point TOR  
Well Depth 13.95 feet  
Pump Intake Depth 12  
PID Well Head           

Well Diameter 2"  
Well Integrity: Cap   
Casing   
Locked   
Collar

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

**PURGE DATA**

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
4:05	6.95	250	8.0	7.93	1.93	13.1	114	134	
4:15	7.25	250	8.0	7.55	2.30	2.1	116	128	
4:20	7.35	250	8.0	7.72	4.63	1.1	114	122	
4:25	7.33	250	7.8	7.75	4.66	-80	121	122	
4:30	7.30	250	7.7	7.61	4.57	-90	118	122	
4:35	7.30	250	7.7	7.62	4.66	-90	114	122	
4:40	7.30	250	7.7	7.60	4.68	-89	119	123	

Purge Observations: Clear  
Purge Water Containerized:           

**EQUIPMENT DOCUMENTATION**

Type of Pump: Geopump  
Type of Tubing: Polyethylene  
Type of Water Quality Meter: Horiba U-22; LaMotte 2020

Calibrated: 3-9-09

**ANALYTICAL PARAMETERS**

Parameter	Volumes	Sample Collected
VOCs	3 x 40 ml	<input checked="" type="checkbox"/>
TAL Metals	1 x 250ml	<input checked="" type="checkbox"/>
SVOCs	1 x 1L	<input checked="" type="checkbox"/>
PCBs	1 x 1L	<input checked="" type="checkbox"/>
Extra	1 x 1L	<input type="checkbox"/>

**LOCATION NOTES**

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\_\_\_\_\_  
\_\_\_\_\_  
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\_\_\_\_\_  
\_\_\_\_\_

Signature: [Signature]  
Checked By: RCM

55.0



# Low Flow Groundwater Sampling Field Record

2230 Penfield Road  
Penfield, New York 14526  
585.377.1450 Fax 585.377.1266

Project Name Orchard/Whitney  
Location ID MW-15  
Activity Time 9:30 - 11:15

Field Sample ID Or-MW15-11  
Sample Time 10:30

Job # 4216  
Sampling Event # 2  
Date 3/10/09

### SAMPLING NOTES

Initial Depth to Water 6.60 feet  
Final Depth to Water 7.10 feet  
Screen Length 10.5 feet  
Total Volume Purged 1374.05 gallons  
Measurement Point TOR  
Well Depth 14.71 feet  
Pump Intake Depth 11  
PID Well Head —

Well Diameter 2"  
Well Integrity:  
Cap   
Casing   
Locked   
Collar

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
9:50	6.8	250	3.2	7.33	8.57	6.50	.134	215	0.325
9:55	6.8	150	4.7	7.29	8.31	4.50	.133	213	0.39
10:00	6.7	150	5.7	7.30	8.25		.138	210	
10:05	6.8	125	5.9	7.29	8.27	3.80	138	209	
10:10	6.8	125	6.0	7.32	8.34	1.94	138	209	
10:15	6.8	125	6.1	7.33	8.40		.138	196	
10:20	6.8	125	6.2			1.93	138	196	0.65

Purge Observations: clear  
Purge Water Containerized: —

### EQUIPMENT DOCUMENTATION

Type of Pump: Geopump  
Type of Tubing: Polyethylene  
Type of Water Quality Meter: Horiba U-22; LaMotte 2020

Calibrated: 3-9-09

### ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
VOCs	3 x 40 ml	<input checked="" type="checkbox"/>
TAL Metals	1 x 250ml	<input checked="" type="checkbox"/>
SVOCs	1 x 1L	<input checked="" type="checkbox"/>
PCBs	1 x 1L	<input checked="" type="checkbox"/>
Extra	1 x 1L	<input checked="" type="checkbox"/>

### LOCATION NOTES

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Signature: [Signature]  
Checked By: RCM

# Low Flow Groundwater Sampling Field Record



2230 Penfield Road  
Penfield, New York 14526  
585.377.1450 Fax 585.377.1266

Project Name Orchard/Whitney  
Location ID MW-16  
Activity Time 9:32-11:23

Field Sample ID GW-MW-16-15  
Sample Time 10:51

Job # 4216  
Sampling Event # 2  
Date 3/10/09

### SAMPLING NOTES

Initial Depth to Water 6.59 feet  
Final Depth to Water 6.71 feet  
Screen Length 10 feet  
Total Volume Purged 1.872 gallons  
Measurement Point TOR  
Well Depth 22.6 feet  
Pump Intake Depth 5'  
PID Well Head /

Well Diameter 2"  
Well Integrity:  
Cap   
Casing   
Locked   
Collar

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
9:59	6.66	150	4.4	6.95	6.0	5.05	0.784	169	
10:06	6.69	150	4.4	7.16	5.86		0.786	163	
10:12	6.70	150	4.1	7.32	5.70	3.44	0.797	159	
10:18	6.71	150	4.0	7.45	5.28		0.804	154	
10:25	6.72	150	4.0	7.47	5.23	2.54	0.802	154	
10:31	6.72	150	3.9	7.52	5.13		0.806	153	
10:37	6.72	150	3.8	7.54	4.98	1.00	0.811	152	
10:42	6.72	150	3.8	7.55	4.97		0.809	151	
10:47	6.72	150	3.9	7.58	4.91	1.13	0.809	150	

Purge Observations: Clear

Purge Water Containerized: No

### EQUIPMENT DOCUMENTATION

Type of Pump: Geopump

Type of Tubing: Polyethylene

Type of Water Quality Meter: Horiba U-22; LaMotte 2020

Calibrated: 3-9-09

### ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
VOCs	3 x 40 ml	<input checked="" type="checkbox"/>
TAL Metals	1 x 250ml	<input checked="" type="checkbox"/>
SVOCs	1 x 1L	<input checked="" type="checkbox"/>
PCBs	1 x 1L	<input checked="" type="checkbox"/>
Extra	1 x 1L	<input checked="" type="checkbox"/>

### LOCATION NOTES

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Signature: [Signature]  
Checked By: [Signature]



**Low Flow Groundwater Sampling  
Field Record**

Project Name Orchard/Whitney  
Location ID MW-17  
Activity Time 14:30 - 16:00

Field Sample ID OW MW 17-12  
Sample Time 15:05

Job # 4216  
Sampling Event # 2  
Date 3/10/09

**SAMPLING NOTES**

Initial Depth to Water 5.75 feet      Measurement Point TOR      Well Diameter 2"  
Final Depth to Water 6.25 feet      Well Depth 15.29 feet      Well Integrity: \_\_\_\_\_  
Screen Length 10.0 feet      Pump Intake Depth 12      Cap   
Total Volume Purged 137.5<sup>RH</sup> gallons      PID Well Head \_\_\_\_\_      Casing   
[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]      Locked \_\_\_\_\_  
Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth      Collar

**PURGE DATA**

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
1430	6.00	200	6.4	7.66	384	1.60	192	210	
1435	6.10	200	6.2	7.64	390	.96	195	208	6.62
1440	6.15	150	6.2	7.64	395		196	203	0.195
1445	6.15	125	5.9	7.63	410	2.32	193	202	
1450	6.15	125	5.8	7.63	437		193	200	
1455	6.15	125	6.0	7.62	438	1.91	193	199	
1406	6.15	125	5.9	7.61	433	1.94	193	199	
1405	6.15	125	5.9	7.61	429	1.92	193	199	0.65

Purge Observations: Clear  
Purge Water Containerized: \_\_\_\_\_

**EQUIPMENT DOCUMENTATION**

Type of Pump: Geopump  
Type of Tubing: Polyethylene  
Type of Water Quality Meter: Horiba U-22; LaMotte 2020

Calibrated: 3-9-09

**ANALYTICAL PARAMETERS**

Parameter	Volumes	Sample Collected
VOCs	3 x 40 ml	<input checked="" type="checkbox"/>
TAL Metals	1 x 250ml	<input checked="" type="checkbox"/>
SVOCs	1 x 1L	<input checked="" type="checkbox"/>
PCBs	1 x 1L	<input checked="" type="checkbox"/>
Extra	1 x 1L	<input checked="" type="checkbox"/>

Signature: \_\_\_\_\_  
Checked By: RCM

**LOCATION NOTES**

Yellow-Green water.

**Low Flow Groundwater Sampling  
Field Record**

2230 Penfield Road  
Penfield, New York 14526  
585.377.1450 Fax 585.377.1266

Project Name Orchard/Whitney  
Location ID MW-18  
Activity Time 15:44 - 17:23

Field Sample ID OW-MW-18-12  
Sample Time 16:56

Job # 4216  
Sampling Event # 2  
Date 3/9/09

**SAMPLING NOTES**

Initial Depth to Water 5.41 feet  
Final Depth to Water 5.50 feet  
Screen Length 10 feet  
Total Volume Purged 1.794 gallons  
Measurement Point TOR  
Well Depth 15.75 feet  
Pump Intake Depth 12  
PID Well Head ✓

Well Diameter 2"  
Well Integrity:  
Cap   
Casing   
Locked   
Collar

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

**PURGE DATA**

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
16:04	5.49	150	6.4	7.59	2.26		1.22	206	
16:09	5.49	150	6.3	7.60	2.56		1.22	211	
16:15	5.50	150	6.4	7.58	2.85		1.20	217	
16:21	5.50	150	6.5	7.57	2.62	3.67	1.20	219	
16:27	5.50	150	6.6	7.59	2.24		1.21	224	
16:33	5.50	150	6.9	7.58	2.34		1.21	227	
16:38	5.50	150	6.9	7.60	2.03	6.5	1.25	228	
16:44	5.50	150	7.0	7.60	2.05		1.23	231	
16:50	5.51	150	6.8	7.65	1.87	9.7	1.23	233	

Purge Observations: Slight increase in Turbidity as purging progressed.  
Purge Water Containerized: No

**EQUIPMENT DOCUMENTATION**

Type of Pump: Geopump  
Type of Tubing: Polyethylene  
Type of Water Quality Meter: Horiba U-22; LaMotte 2020

Calibrated: 3-9-09

**ANALYTICAL PARAMETERS**

Parameter	Volumes	Sample Collected
VOCs	3 x 40 ml	✓
TAL Metals	1 x 250ml	✓
SVOCs	1 x 1L	✓
PCBs	1 x 1L	✓
Extra	1 x 1L	✓

**LOCATION NOTES**

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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signature: [Signature]  
Checked By: [Signature] KCM

**Low Flow Groundwater Sampling  
Field Record**

2230 Penfield Road  
Penfield, New York 14526  
585.377.1450 Fax 585.377.1266

Project Name Orchard/Whitney  
Location ID MW-19  
Activity Time 13:30 - 15:15

Field Sample ID OW-MW-19-13  
Sample Time \_\_\_\_\_

Job # 4216  
Sampling Event # 2  
Date 3/9/09

**SAMPLING NOTES**

Initial Depth to Water 6.90 feet      Measurement Point TOR      Well Diameter 2"  
Final Depth to Water 9.1 feet      Well Depth 15.0 feet      Well Integrity: \_\_\_\_\_  
Screen Length 10 feet      Pump Intake Depth \_\_\_\_\_      Cap ✓  
Total Volume Purged 1.95 gallons      PID Well Head \_\_\_\_\_      Casing ✓

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]  
Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

**PURGE DATA**

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
1335	7.60	250	7.6	7.48	5.00	2.70	.654	129	0.325
40	7.50	<del>500</del> 150	6.0	8.10	8.78	2.61	.540	121	
45	7.60	150	6.7	8.15	8.46	4.50	.521	116	0.39
50	7.70	<del>100</del>	6.7	8.17	9.12	4.71	.514	110	
1355	7.91	100	6.2	8.16	9.16	4.75	.536	108	0.26
1405	8.00	125	7.0	8.08	8.45		.629	123	
1410	8.20	125	7.0	8.15	8.59		.573	133	
1415	8.30	125	7.1	8.14	8.68	4.08	.517	139	
1420	8.30	125	6.7	8.14	8.50		.527	157	
1425	8.35	125	6.9	8.10	7.94		.659	169	
1430	8.40	125	7.1	8.06	7.33	0.81	.651	184	
1435	8.45	125	7.2	8.03	7.06	6.01	.658	195	0.975

Purge Observations: Clear

Purge Water Containerized: \_\_\_\_\_

**EQUIPMENT DOCUMENTATION**

Type of Pump: Geopump  
Type of Tubing: Polyethylene  
Type of Water Quality Meter: Horiba U-22; LaMotte 2020

Calibrated: 39-09

**ANALYTICAL PARAMETERS**

Parameter	Volumes	Sample Collected
VOCs	3 x 40 ml	✓
TAL Metals	1 x 250ml	✓
SVOCs	1 x 1L	✓
PCBs	1 x 1L	✓
Extra	1 x 1L	✓

Signature: \_\_\_\_\_  
Checked By: RCM

**LOCATION NOTES**

Hard to keep  
consistent  
purge rate

# Low Flow Groundwater Sampling Field Record

2230 Penfield Road  
Penfield, New York 14526  
585.377.1450 Fax 585.377.1266

Project Name Orchard/Whitney  
Location ID MW-20  
Activity Time 9:30 - 12:15

Field Sample ID OW-MW-20-15  
Sample Time 12:00

Job # 4216  
Sampling Event # 2  
Date 3/10/09

### SAMPLING NOTES

Initial Depth to Water 5.21 feet      Measurement Point TOR      Well Diameter 2"  
Final Depth to Water 11.6 feet      Well Depth 16.61 feet      Well Integrity:   
Screen Length 10 feet      Pump Intake Depth 13      Cap   
Total Volume Purged 5.6 gallons      PID Well Head —      Casing   
[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]      Locked   
Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth      Collar

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
10:00	5.18	start pump							
10:05	5.45	200	7.7	7.2	0.48	52	E 799	-104	Empty Hawthorn well
10:10	7.0	200	7.4	7.2	0.0		32	-99	Iron bacteria present
10:15	7.36	175	7.1	7.2	0.0	12.4	20.6	-102	0.52
10:20	7.34	175	7.0	7.2	0.0		16.2	-103	
10:25	7.37	175	6.9	7.2	0.0		12.0	-102	
10:30	7.44	175	6.9	7.3	0.0	18.9	10.8	-100	
10:35	7.55	175	6.5	7.3	0.0		1.81	-85	
10:40	7.97	175	6.5	7.3	0.0		1.90	-77	
10:45	8.31	175	6.6	7.3	0.0	39.2		-75	1.59
10:50	pump well dry @ 150 ml/min								3.51
12:00	Sample on recharge								

Purge Observations: iron bacteria, slight odor  
Purge Water Containerized: no

### EQUIPMENT DOCUMENTATION

Type of Pump: Geopump  
Type of Tubing: Polyethylene  
Type of Water Quality Meter: Horiba U-22; LaMotte 2020

Calibrated: 3-9-09

### ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
VOCs	3 x 40 ml	<input checked="" type="checkbox"/>
TAL Metals	1 x 250ml	<input checked="" type="checkbox"/>
SVOCs	1 x 1L	<input checked="" type="checkbox"/>
PCBs	1 x 1L	<input checked="" type="checkbox"/>
Extra	1 x 1L	<input checked="" type="checkbox"/>

### LOCATION NOTES

Well drawing down, dtw wont stabilize w/ lowest pumping rate & turbidity increasing.  
Pump well dry sample on recharge.

Signature: Rebecca C May  
Checked By: L Smith

# Low Flow Groundwater Sampling Field Record



2230 Penfield Road  
Penfield, New York 14526  
585.377.1450 Fax 585.377.1266

Project Name Orchard/Whitney  
Location ID MW-21  
Activity Time 14:56 - 16:50

Field Sample ID OW-MW-21-15  
Sample Time 16:13

Job # 4216  
Sampling Event # 2  
Date 3-10-09

### SAMPLING NOTES

Initial Depth to Water 4.86 feet  
Final Depth to Water 5.42 feet  
Screen Length 10 feet  
Total Volume Purged 1.638 gallons  
Measurement Point TOR  
Well Depth 18.40 feet  
Pump Intake Depth 15  
PID Well Head —

Well Diameter 2"  
Well Integrity:  
Cap   
Casing   
Locked   
Collar

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
15:24	5.11	150	8.3	8.72	0.55	<del>0.08</del>	1.18	95	
15:32	5.16	150	8.3	8.76	0.21	0.08	1.17	72	
15:40	5.20	150	8.2	8.75	0.20		1.18	91	
15:49	5.22	150	8.2	8.76	0.19	-1.20	1.18	89	
15:51	5.23	150	8.2	8.74	0.22		1.18	88	
15:57	5.25	150	8.3	8.73	0.19	-1.52	1.18	86	
16:03	5.29	150	8.4	8.71	0.19	-1.22	1.18	84	
16:08	5.31	150	8.4	8.70	0.20	-0.68	1.19	84	

Purge Observations: Clear  
Purge Water Containerized: No

### EQUIPMENT DOCUMENTATION

Type of Pump: Geopump  
Type of Tubing: Polyethylene  
Type of Water Quality Meter: Horiba U-22; LaMotte 2020

Calibrated: 3-9-09

### ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
VOCs	3 x 40 ml	<input checked="" type="checkbox"/>
TAL Metals	1 x 250ml	<input checked="" type="checkbox"/>
SVOCs	1 x 1L	<input checked="" type="checkbox"/>
PCBs	1 x 1L	<input checked="" type="checkbox"/>
Extra	1 x 1L	<input type="checkbox"/>

### LOCATION NOTES

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signature: [Signature]  
Checked By: RCM

# Low Flow Groundwater Sampling Field Record



2230 Penfield Road  
Penfield, New York 14526  
585.377.1450 Fax 585.377.1266

Project Name Orchard/Whitney  
Location ID MW-02  
Activity Time 11:50-1330

Field Sample ID OW-MW-02-13  
Sample Time 1:00

Job # 4216  
Sampling Event # 2  
Date 3/10/09

### SAMPLING NOTES

Initial Depth to Water 4.75 feet  
Final Depth to Water 4.90 feet  
Screen Length 12.0 feet  
Total Volume Purged 6.50/1.43 gallons  
Measurement Point TOR  
Well Depth 15.65 feet  
Pump Intake Depth \_\_\_\_\_  
PID Well Head \_\_\_\_\_  
Well Diameter 2"  
Well Integrity:  
Cap r  
Casing r  
Locked \_\_\_\_\_  
Collar r

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
12:15	4.85	200	6.4	7.17	7.04	3.39	1.20	205	0.26
12:20	4.80	150	6.2	7.28	7.13	2.51	1.25	203	0.195
12:25	4.80	125	5.9	7.34	7.05	3.69	1.26	200	
12:30	4.80	125	5.9	7.37	6.99	5.1	1.27	201	
12:35	4.80	105	5.9	7.38	6.96		1.27	201	
12:45	4.80	125	5.8	7.40	6.95	5.1	1.28	198	
12:50	4.80	125	5.9	7.42	7.00		1.25	198	
12:55	4.80	125	5.9	7.42	6.99	5.6	1.25	200	0.975

Purge Observations: Clear

Purge Water Containerized: \_\_\_\_\_

### EQUIPMENT DOCUMENTATION

Type of Pump: Geopump  
Type of Tubing: Polyethylene  
Type of Water Quality Meter: Horiba U-22; LaMotte 2020

Calibrated: 3-9-09

### ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
VOCs	3 x 40 ml	<input checked="" type="checkbox"/>
TAL Metals	1 x 250ml	<input checked="" type="checkbox"/>
SVOCs	1 x 1L	<input checked="" type="checkbox"/>
PCBs	1 x 1L	<input checked="" type="checkbox"/>
Extra	1 x 1L	<input checked="" type="checkbox"/>

### LOCATION NOTES

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signature: [Signature]  
Checked By: RCM

# Low Flow Groundwater Sampling Field Record

 Project Name Orchard/Whitney

Job #4216-03

 Location ID OW-GW-5

 Field Sample ID OW-GW-5

 Sampling Event #     

 Activity Time 1420-1535

 Sample Time 1520

 Date 22 SEP 2011

### SAMPLING NOTES

 Initial Depth to Water 7.39 feet

 Measurement Point TOR

 Well Diameter 2"

 Final Depth to Water 7.38 feet

 Well Depth                      feet

Well Integrity:

 Screen Length                      feet

 Pump Intake Depth                     

 Cap x

 Total Volume Purged                      gallons

 PID Well Head                     

 Casing x

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

 Locked -

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

 Collar x

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
1430	7.42	150	18.84	4.06	10.87	0	0	185	
1440	7.42	150	18.90	4.87	9.46	2.24	0	178	
1452	7.42	150	19.06	6.02	7.50	1.45	0	184	
1505	7.42	150	19.20	6.35	6.56	0	0	218	
1515	7.42	150	19.22	6.25	6.29	0	0	228	
SAMPLE 1520									

 Purge Observations: always clear from start to finish

 Purge Water Containerized: NO

### EQUIPMENT DOCUMENTATION

 Type of Pump: Geopump

 Type of Tubing: 1/4" HDPE

 Type of Water Quality Meter: Horiba U-22; LaMotte 2020

 Calibrated:                     

### ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
VOCs	<u>2 x 40 ml</u>	<u>x</u>
RCRA Metals	<u>1 x 50</u>	<u>x</u>

### LOCATION NOTES

 Signature: [Signature]

 Checked By: [Signature]

# Low Flow Groundwater Sampling Field Record

Project Name Orchard/Whitney Job #4216-03  
 Location ID MW-06 Field Sample ID \_\_\_\_\_ Sampling Event # \_\_\_\_\_  
 Activity Time 12:38 Sample Time \_\_\_\_\_ Date 9/21/11

### SAMPLING NOTES

Initial Depth to Water 8.01 feet Measurement Point TOR Well Diameter 2  
 Final Depth to Water \_\_\_\_\_ feet Well Depth 15.4 feet Well Integrity: \_\_\_\_\_  
 Screen Length 10'? feet Pump Intake Depth 12.5 Cap good  
 Total Volume Purged \_\_\_\_\_ gallons PID Well Head N/D Casing good  
 [purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter] Locked no  
 Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth Collar good  
**PURGE DATA** 7.3' 0.5 gal = 1 vol.

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
12:45	8.01'	300%/-	17.2	7.2	1.95	—	0.84	4	0 gal
13:00	8.30'	300%/-	18.28	7.16	0	—	0.756	133	1 gal
13:10	8.3	300%/-	18.27	7.14	0	—	0.775	157	2 gal
13:20	8.25	300%/-	18.30	7.14	0	—	0.774	150	3 gal
13:25	8.25	300	18.32	7.13	0	1.4-	0.775	151	3.25 gal

Purge Observations: clear throughout  
 Purge Water Containerized: no

### EQUIPMENT DOCUMENTATION

Type of Pump: Geopump  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: Horiba U-22; LaMotte 2020 Calibrated: \_\_\_\_\_

### ANALYTICAL PARAMETERS

Parameter Volumes Sample Collected  
VOCs 3 x 40 ml  
RCRA Metals  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### LOCATION NOTES

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: \_\_\_\_\_  
 Checked By: \_\_\_\_\_



# Low Flow Groundwater Sampling Field Record

Project Name Orchard/Whitney Job #4216-03  
 Location ID MW-7 Field Sample ID OW-GW-7 MS/MSD Sampling Event # ---  
 Activity Time \_\_\_\_\_ Sample Time 2:30 Date 9/22/11

### SAMPLING NOTES

Initial Depth to Water 8.33 feet Measurement Point TOR Well Diameter 2"  
 Final Depth to Water \_\_\_\_\_ feet Well Depth 9.41 feet Well Integrity: \_\_\_\_\_  
 Screen Length \_\_\_\_\_ feet Pump Intake Depth 9.35 Cap poor  
 Total Volume Purged \_\_\_\_\_ gallons PID Well Head \_\_\_\_\_ Casing ok  
 [purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter] Locked NO  
 Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth Collar poor-broke/  
bent,  
completion  
destroyed

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
1:40	8.78	250	20.28	7.74	3.50	13.0	1.11	69.9	
1:50	9.11	<del>250</del>	19.49	7.59	1.93	12.0	0.962	78.5	pumped dry
2:00	9.16	250	19.53	7.47	2.48	9.6	0.927	82.5	allow to recharge
2:10	9.0	250	19.17	7.46	2.66	2.8	0.981	83.3	
2:20	9.05	250 <del>off</del>	19.21	7.47	2.71	2.3	0.977	84.1	
2:30	sample								

Purge Observations: \_\_\_\_\_  
 Purge Water Containerized: \_\_\_\_\_

### EQUIPMENT DOCUMENTATION

Type of Pump: Geopump  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: Horiba U-22; LaMotte 2020 Calibrated: \_\_\_\_\_

### ANALYTICAL PARAMETERS

Parameter Volumes Sample Collected  
 VOCs 3 x 40 ml  
 RCRA Metals  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### LOCATION NOTES

- completion is broken (concrete destroyed @ flushmount ~~case~~ box)  
 - well purged dry @ 275 ml/min after approx. 10 minutes  
 - collect MS/MSD samples

Signature: \_\_\_\_\_  
 Checked By: \_\_\_\_\_



**Low Flow Groundwater Sampling  
Field Record**

Project Name Orchard/Whitney Job #4216-03  
 Location ID MW-8 Field Sample ID OW-GW-8 Sampling Event # ---  
 Activity Time 3:45 Sample Time 4:30 Date 9/22/11

**SAMPLING NOTES**

Initial Depth to Water 9.73' feet Measurement Point TOR Well Diameter 2"  
 Final Depth to Water 9.98 feet Well Depth \_\_\_\_\_ feet Well Integrity: \_\_\_\_\_  
 Screen Length \_\_\_\_\_ feet Pump Intake Depth \_\_\_\_\_ Cap ok  
 Total Volume Purged \_\_\_\_\_ gallons PID Well Head 0.0 Casing ok  
 [purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter] Locked No  
 Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth Collar ok

**PURGE DATA**

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
3:55	9.85	250	18.15	7.72	1.25	9.2	1.800	2.0	
4:05	9.95	<del>300</del>	17.21	7.45	0.86	15.0	1.801	13.4	
4:15	9.98	300	17.13	7.18	0.83	1.50	1.574	34.5	
4:20	9.98	300	17.07	7.13	0.73	0.55	1.441	39.0	
4:30	9.98	300	17.12	7.14	0.75	0.89	1.439	39.7	

Purge Observations: \_\_\_\_\_  
 Purge Water Containerized: \_\_\_\_\_

**EQUIPMENT DOCUMENTATION**

Type of Pump: Geopump  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: Horiba U-22; LaMotte 2020

Calibrated: \_\_\_\_\_

**ANALYTICAL PARAMETERS**

Parameter Volumes Sample Collected  
 VOCs 3 x 40 ml  
 RCRA Metals  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**LOCATION NOTES**

- bolts broke on flushmount cover  
 - well cap off when flushmount cover is removed  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: \_\_\_\_\_  
 Checked By: \_\_\_\_\_

# Low Flow Groundwater Sampling Field Record

Project Name Orchard/Whitney Job #4216-03  
 Location ID OW-GW-9 Field Sample ID OW-GW-9 Sampling Event #       
 Activity Time 1015-1117 Sample Time 1110 Date 22 SEP 2011

### SAMPLING NOTES

Initial Depth to Water 8.78' feet Measurement Point TOR Well Diameter 2"  
 Final Depth to Water 9.22' feet Well Depth      feet Well Integrity:       
 Screen Length      feet Pump Intake Depth      Cap X  
 Total Volume Purged      gallons PID Well Head 0 Casing X  
 [purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter] Locked       
 Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth Collar X

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
1019	9.1	250	16.60	7.22	0.71	34.2	1.83	75	turbid (sus)
1026	9.3	250	16.64	7.17	0.90	10.89	1.85	100	turbid (sus)
1033	9.41	200	16.66	7.08	0.49	11.90	1.87	124	
1041	9.45	225	16.58	7.06	0	11.70	1.86	110	clear
1048	9.53	225	16.43	7.06	0	7.33	1.84	97	
1055	9.50	150	16.32	7.06	0	13.8	1.83	93	
1102	9.50	150	16.33	7.06	0	4.52	1.83	97	
1109	9.50	150	16.30	7.05	0	5.16	1.83	95	
SAMPLE 1110									

Purge Observations: rust colored suspended sediment present → then purged clear  
 Purge Water Containerized: NO

### EQUIPMENT DOCUMENTATION

Type of Pump: Geopump  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: Horiba U-22; LaMotte 2020 Calibrated:     

### ANALYTICAL PARAMETERS

Parameter Volumes Sample Collected  
~~VOCs~~ 3 x 40ml  
~~RCRA Metals~~  
TEL VOCs 2 x 40ml  
RCRA Metals 1 x 200ml

### LOCATION NOTES

- geopump fluctuated on speed → purge rate

Signature: [Signature]  
 Checked By:



# Low Flow Groundwater Sampling Field Record

Project Name Orchard/Whitney

Job #4216-03

Location ID MW-10

Field Sample ID OW-GW-10

Sampling Event #     

Activity Time 10:00

Sample Time 11:20

Date 9/22/11

## SAMPLING NOTES

Initial Depth to Water 8.45' feet

Measurement Point TOR

Well Diameter 2"

Final Depth to Water 10.24 feet

Well Depth      feet

Well Integrity:

Screen Length      feet

Pump Intake Depth     

Cap ok

Total Volume Purged      gallons

PID Well Head 0.0

Casing ok

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Locked NO

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

Collar ok

## PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
10:25	8.68	250	19.64	7.95	3.04	0.95	1.179	141.9	
10:35	9.27	250	19.55	7.64	3.72	0.60	1.127	147.4	
10:45	9.67	275	19.44	7.48	3.51	5.3	1.099	145.7	
10:55	9.89	250	19.12	7.42	3.39	3.7	1.078	146.9	
11:05	10.04	250	18.93	7.38	3.12	2.6	1.085	147.7	
11:15	10.18	250	18.92	7.34	2.94	2.1	1.071	146.5	
11:20	SAMPLE								

Purge Observations: water very clear during initial purge

Purge Water Containerized:     

## EQUIPMENT DOCUMENTATION

Type of Pump: Geopump

Type of Tubing: 1/4" HDPE

Type of Water Quality Meter: Horiba U-22; LaMotte 2020

Calibrated:     

## ANALYTICAL PARAMETERS

Parameter Volumes Sample Collected

VOCs 2 x 40 ml

RCRA Metals 1 x 250 ml

## LOCATION NOTES

Flushmount well cover bolts broke off while opening

Signature:     

Checked By:

# Low Flow Groundwater Sampling Field Record

Project Name Orchard/Whitney Job #4216-03  
 Location ID MW-11 Field Sample ID OW-GW-11 Sampling Event # \_\_  
 Activity Time 3:30 Sample Time 4:35 Date 9/21/11

### SAMPLING NOTES

Initial Depth to Water 4.85 feet Measurement Point TOR Well Diameter 2"  
 Final Depth to Water \_\_\_\_\_ feet Well Depth \_\_\_\_\_ feet Well Integrity: \_\_\_\_\_  
 Screen Length \_\_\_\_\_ feet Pump Intake Depth \_\_\_\_\_ Cap ok  
 Total Volume Purged \_\_\_\_\_ gallons PID Well Head 0.0 ppm Casing ok  
 [purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter] Locked no  
 Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth Collar missing bolts (crushed-broken)

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
3:36	5.11	260	19.08	7.27	0.68	14	1.839	27.3	
3:45	5.20	250	18.68	7.14	0.09	13	1.828	-6.9	minor Fe bacteria
3:55	5.20	250	18.41	7.13	0.24	31	1.580	-24.5	
4:05	5.25	275	18.22	7.08	-0.02	110/80	1.547	-30.3	↑ turbidity is iron bacteria
4:15	5.24	250	18.19	7.09	-0.03	28	1.618	-35.7	Cond. variable, Fe bacteria ↑
4:25	5.27	250	18.11	7.12	-0.02	36	1.576	-44.8	
4:35	5.35	250	18.06	7.13	-0.02	21	1.547	-49.6	
4:35	SAMPLE								

Purge Observations: Abundant iron bacteria upon initial purge.  
 Purge Water Containerized: \_\_\_\_\_

### EQUIPMENT DOCUMENTATION

Type of Pump: Geopump  
 Type of Tubing: 3/8" HDPE  
 Type of Water Quality Meter: Horiba U-22; LaMotte 2020 Calibrated: \_\_\_\_\_

### ANALYTICAL PARAMETERS

Parameter Volumes Sample Collected  
 VOCs 3 x 40 ml  
 RCRA Metals \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### LOCATION NOTES

Bolts broken on flush mount top  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: \_\_\_\_\_  
 Checked By: \_\_\_\_\_

# Low Flow Groundwater Sampling Field Record

Project Name Orchard/Whitney Job #4216-03  
 Location ID MW-12 Field Sample ID \_\_\_\_\_ Sampling Event # \_\_\_\_\_  
 Activity Time 13:20 Sample Time \_\_\_\_\_ Date 9/2/11

### SAMPLING NOTES

Initial Depth to Water 6.60 feet Measurement Point TOR Well Diameter 2"  
 Final Depth to Water \_\_\_\_\_ feet Well Depth 12.90 feet Well Integrity: \_\_\_\_\_  
 Screen Length 10 ? feet Pump Intake Depth \_\_\_\_\_ Cap good  
 Total Volume Purged \_\_\_\_\_ gallons PID Well Head \_\_\_\_\_ Casing good  
 [purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter] Locked not No  
 Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth Collar good

### PURGE DATA

$6.3 \text{ ft} = 1.03 \text{ gal/well vol.}$

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
15:25	6.60	200 <sup>+</sup>	19.80	7.1	7.7	-	1.32	151	initial
15:38	8.29	300 <sup>+</sup>	19.42	7.02	0	-	1.31	109	1 gal
15:49	10.80	300	19.14	7.03	0	-	1.32	56	2 gal
16:05	10.75	200 <sup>+</sup>	19.48	7.01	0	-	1.29	81	3 gal
16:15	10.91	200 <sup>+</sup>	19.50	7.01	0	3.05	1.27	95	3.5 gal

Purge Observations: slight turbidity 1/2 way through purge, cleared  
 Purge Water Containerized: \_\_\_\_\_

### EQUIPMENT DOCUMENTATION

Type of Pump: Geopump  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: Horiba U-22; LaMotte 2020

Calibrated: \_\_\_\_\_

### ANALYTICAL PARAMETERS

Parameter Volumes Sample Collected  
 VOCs 3 x 40 ml  
 RCRA Metals \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### LOCATION NOTES

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: \_\_\_\_\_  
 Checked By: \_\_\_\_\_

# Low Flow Groundwater Sampling Field Record

Project Name Orchard/Whitney Job #4216-03  
 Location ID MW-13 Field Sample ID \_\_\_\_\_ Sampling Event # \_\_\_\_\_  
 Activity Time 2:00 PM Sample Time \_\_\_\_\_ Date 9/21/11

### SAMPLING NOTES

Initial Depth to Water 7.28 feet Measurement Point TOR Well Diameter \_\_\_\_\_  
 Final Depth to Water \_\_\_\_\_ feet Well Depth 14.45 feet Well Integrity: \_\_\_\_\_  
 Screen Length 10' feet Pump Intake Depth \_\_\_\_\_ Cap yes  
 Total Volume Purged \_\_\_\_\_ gallons PID Well Head N/D Casing yes  
 [purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter] Locked no  
 Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth Collar destroyed

### PURGE DATA

$$7.17' = 1.17 (1.2) \text{ gal/well vol.}$$

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
14:00	7.28	300 +/-	18.61	7.24	1.02	-	0.953	160	slight discoloration
14:15	7.45	300	18.23	7.15	0	-	0.941	169	1 gal
14:30	7.45	300	18.05	7.16	0	-	0.983	175	2 gal
14:45	7.45	300	17.98	7.16	0	-	0.866	165	3 gal
14:55	7.45	300	17.95	7.16	0	1.15	0.852	169	4 gal

Purge Observations: very clear  
 Purge Water Containerized: no

### EQUIPMENT DOCUMENTATION

Type of Pump: Geopump  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: Horiba U-22; LaMotte 2020 Calibrated: \_\_\_\_\_

### ANALYTICAL PARAMETERS

Parameter Volumes Sample Collected  
VOCs 3 x 40 ml  
RCRA Metals  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### LOCATION NOTES

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: \_\_\_\_\_  
 Checked By: \_\_\_\_\_

# Low Flow Groundwater Sampling Field Record

Project Name Orchard/Whitney Job #4216-03  
 Location ID MW-14 Field Sample ID OW-GW-14 Sampling Event # ---  
 Activity Time 12:00 Sample Time 1:15 Date 9/22/11

### SAMPLING NOTES

Initial Depth to Water 9.04' feet Measurement Point TOR Well Diameter 2"  
 Final Depth to Water 13.48' feet Well Depth 13.98 feet Well Integrity:  
 Screen Length \_\_\_\_\_ feet Pump Intake Depth \_\_\_\_\_ Cap ok  
 Total Volume Purged \_\_\_\_\_ gallons PID Well Head 0.0 ppm Casing ok  
 [purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter] Locked no  
 Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth Collar ok

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
12:18	9.25	350	18.02	7.63	1.28	28	1,907	53.8	no odor
12:28	12.0	300	18.29	7.56	1.24	23	1,756	27.2	pump as slow as it will go
12:38	>13.68	300	17.63	7.45	2.49	110	2,508	2.7	well is pumping dry, can't slow pump down
1:15	sample								

Purge Observations: initial purge water high clarity  
 Purge Water Containerized: \_\_\_\_\_

### EQUIPMENT DOCUMENTATION

Type of Pump: Geopump  
 Type of Tubing: 3/8" HDPE  
 Type of Water Quality Meter: Horiba U-22; LaMotte 2020 Calibrated: \_\_\_\_\_

### ANALYTICAL PARAMETERS

Parameter Volumes Sample Collected  
 VOCs 2x 40 ml  
 RCRA Metals 1x 250  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### LOCATION NOTES

collected MS/MSD @ this location  
well pumped dry after 20 min @  
300 ml/min, slow as geopump would  
pump without stalling  
Turbidity > 50 upon sampling  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: \_\_\_\_\_  
 Checked By: \_\_\_\_\_



(1 1/2 / 5min 45sec)



# Low Flow Groundwater Sampling Field Record

Project Name Orchard/Whitney Job #4216-03  
 Location ID MW15 Field Sample ID \_\_\_\_\_ Sampling Event # \_\_\_\_\_  
 Activity Time 0930 Sample Time 10:40 Date 9/21/2011

### SAMPLING NOTES

Initial Depth to Water 7.77 feet Measurement Point TOR north Well Diameter 2"  
 Final Depth to Water \_\_\_\_\_ feet Well Depth 14.9 feet Well Integrity: \_\_\_\_\_  
 Screen Length 10.0 feet Pump Intake Depth \_\_\_\_\_ Cap OK  
 Total Volume Purged \_\_\_\_\_ gallons PID Well Head 0.0 Casing OK  
 [purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter] Locked NA  
 Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth Collar OK

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
0935									
0940	7.88		19.8	4.38	7.7	10.24		220	pH ??
0950	7.92		19.3	4.36	7.8	2.24		206	
1000	7.90		19.6	4.37	7.8	-0.38		197	
1005	7.90		19.5	4.35	7.8	-0.53		195	
1010	7.92		19.3	4.35	7.8	-0.68		195	
1015	7.92		19.2	4.37	7.7	-1.41		195	
1020	7.93		19.2	4.38	7.6	-1.50		195	
1025	7.94		19.1	4.40	7.6	-0.84		195	
1030	7.94		19.2	4.41	7.5	-0.70		195	

Purge Observations: \_\_\_\_\_  
 Purge Water Containerized: \_\_\_\_\_

### EQUIPMENT DOCUMENTATION

Type of Pump: Geopump  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: Horiba U-22; LaMotte 2020 Calibrated: \_\_\_\_\_

### ANALYTICAL PARAMETERS

Parameter Volumes Sample Collected  
VOCs 3 x 40 ml  
RCRA Metals  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### LOCATION NOTES

weather = fair; 70° F.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: JANE FORBES  
 Checked By: \_\_\_\_\_

# Low Flow Groundwater Sampling Field Record

Project Name Orchard/Whitney Job #4216-03  
 Location ID MW-16 Field Sample ID OW-GW-16 Sampling Event # ---  
 Activity Time 10:00 Sample Time 11:30 Date 9/21/11

### SAMPLING NOTES

Initial Depth to Water 7.55' feet Measurement Point TOR Well Diameter 2"  
 Final Depth to Water 7.73 feet Well Depth 22.55 feet Well Integrity: \_\_\_\_\_  
 Screen Length 10 feet Pump Intake Depth 17.5 Cap ✓ ok  
 Total Volume Purged \_\_\_\_\_ gallons PID Well Head 0.0 Casing ✓ ok  
 [purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter] Locked no  
 Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth Collar ✓ ok

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
10:27	7.70	200	14.13	8.77	1.01	11.5	1.278	84.6	black suspended sed.
10:37	7.71	225	14.15	7.72	0.18	6.53	1.015	98.7	
10:47	7.72	225	14.47	7.43	0.12	3.72	1.012	107.4	
10:57	7.73	250	14.68	7.21	0.07	2.15	1.065	115.3	black particles gone
11:07	7.74	250	14.73	7.10	0.05	0.47	1.033	120.0	
11:17	7.72	250	14.75	7.08	0.08	0.44	1.026	121.0	
11:27	7.72	250	14.74	7.07	0.04	0.23	1.024	121.1	SAMPLE

Purge Observations: initial purge water has black suspended solids, no odor  
 Purge Water Containerized: No

### EQUIPMENT DOCUMENTATION

Type of Pump: Geopump  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: Horiba U-22; LaMotte 2020

Calibrated: \_\_\_\_\_

### ANALYTICAL PARAMETERS

Parameter Volumes Sample Collected  
 VOCs 2 x 40 ml  
 RCRA Metals 1 x 250 ml  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### LOCATION NOTES

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: \_\_\_\_\_  
 Checked By: \_\_\_\_\_

# Low Flow Groundwater Sampling Field Record

Project Name Orchard/Whitney Job # 4216-03  
 Location ID MW-17 Field Sample ID ow-GW-17 Sampling Event # ---  
 Activity Time 12:15 Sample Time 1:15 Date 9/21/11

### SAMPLING NOTES

Initial Depth to Water 7.03 feet Measurement Point TOR Well Diameter 2"  
 Final Depth to Water 7.71 feet Well Depth \_\_\_\_\_ feet Well Integrity: \_\_\_\_\_  
 Screen Length 10 feet Pump Intake Depth \_\_\_\_\_ Cap ok  
 Total Volume Purged \_\_\_\_\_ gallons PID Well Head 0.0 ppm Casing ok  
 [purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter] Locked no  
 Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth Collar 1 id bolts missing

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
12:23	7.15	250	17.89	7.47	-1.82	9.22	2.164	138.9	light green-yellow hue
12:33	7.42	250	17.91	7.44	-0.77	12.9	1.146	137.3	
12:43	7.54	275	18.09	7.43	1.26%	8.45	1.055	136.4	DO is variable
12:53	7.60	250	18.06	7.38	0.56	3.74	2.065	139.0	
13:03	7.64	275	18.05	7.36	0.44	2.10	2.051	140.7	Cond. quite variable
13:13	7.69	250	17.97	7.36	0.41	2.07	2.040	140.9	"
SAMPLE @ 1:15									

Purge Observations: \_\_\_\_\_  
 Purge Water Containerized: \_\_\_\_\_

### EQUIPMENT DOCUMENTATION

Type of Pump: Geopump  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: Horiba U-22; LaMotte 2020 Calibrated: \_\_\_\_\_

### ANALYTICAL PARAMETERS

Parameter Volumes Sample Collected  
VOCs 3 x 40 ml  
RCRA Metals  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### LOCATION NOTES

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: \_\_\_\_\_  
 Checked By: \_\_\_\_\_



**Low Flow Groundwater Sampling  
Field Record**

Project Name Orchard/Whitney Job #4216-03  
 Location ID MW18 Field Sample ID \_\_\_\_\_ Sampling Event # \_\_\_\_\_  
 Activity Time 1520 Sample Time 1605 Date 9/21/11

**SAMPLING NOTES**

Initial Depth to Water 7.21 feet Measurement Point TOR Well Diameter 2"  
 Final Depth to Water \_\_\_\_\_ feet Well Depth 16.9 feet Well Integrity: \_\_\_\_\_  
 Screen Length \_\_\_\_\_ feet Pump Intake Depth \_\_\_\_\_ Cap OK  
 Total Volume Purged \_\_\_\_\_ gallons PID Well Head 0.0 Casing OK  
 [purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter] Locked OK  
 Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth Collar OK

**PURGE DATA**

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
1520	7.21		17.6	6.93	5.9	38.6		20	
1525	7.38		17.6	6.93	5.9	37.5		20	
1530	7.54		17.3	6.92	5.9	39.2		18	
1535	7.57		17.4	6.95	5.8	20.0		21	
1540	7.59		17.3	6.93	5.9	17.6		32	
1545	7.59		17.3	6.95	5.6	15.6		26	
1550	7.59		17.1	6.93	5.4	12.4		13	
1555	7.59		17.1	6.94	5.4	12.0		12	
1600	7.60								

Purge Observations: \_\_\_\_\_  
 Purge Water Containerized: \_\_\_\_\_

**EQUIPMENT DOCUMENTATION**

Type of Pump: Geopump  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: Horiba U-22; LaMotte 2020 Calibrated: \_\_\_\_\_

**ANALYTICAL PARAMETERS**

Parameter Volumes Sample Collected  
 VOCs 3 x 40 ml  
 RCRA Metals \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**LOCATION NOTES**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: \_\_\_\_\_  
 Checked By: \_\_\_\_\_



**Low Flow Groundwater Sampling  
Field Record**

Project Name Orchard/Whitney  
Location ID OW-GW-19  
Activity Time 1215-

Field Sample ID OW-GW-19/DUP  
Sample Time 1355

Job #4216-03  
Sampling Event #      
Date 22 SEP 2011

**SAMPLING NOTES**

Initial Depth to Water 9.80' feet      Measurement Point TOR  
Final Depth to Water     feet      Well Depth     feet  
Screen Length     feet      Pump Intake Depth      
Total Volume Purged     gallons      PID Well Head    

Well Diameter 2"  
Well Integrity:  
Cap X  
Casing X  
Locked -  
Collar X

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

**PURGE DATA**

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
1221	11.21	175	17.99	7.45	8.91	15.50	1.95	225	
1230	12.45	150	18.10	7.36	1.94	9.84	1.91	233	
1243	13.42	150	18.41	7.34	0.82		1.84	236	pumping very slow*
1305	13.52	150	19.48	7.34	2.38	9.30	1.63	236	
1315	13.52	50	20.30	7.32	4.13	4.50	1.37	239	
1327	13.52	50	20.66	7.31	4.50	1.72	1.24	244	
1348	13.52	50	20.48	7.32	4.54	1.68	1.15	243	
1355	SAMPLE								

Purge Observations: started clear - seems to have almost pumped dry - recharge just enough to  
Purge Water Containerized: NO

*make 50 ml/min*

**EQUIPMENT DOCUMENTATION**

Type of Pump: Geopump  
Type of Tubing: 1/4" HDPE  
Type of Water Quality Meter: Horiba U-22; LaMotte 2020

Calibrated:    

**ANALYTICAL PARAMETERS**

Parameter      Volumes      Sample Collected  
VOCs      2 x 40 ml  
RCRA Metals

**LOCATION NOTES**

\* pumped dry during sampling

Signature:      
Checked By:

1L/



# Low Flow Groundwater Sampling Field Record

Project Name Orchard/Whitney  
Location ID MW20  
Activity Time 1420

Field Sample ID OW-GW-20  
Sample Time 1505

Job #4216-03  
Sampling Event # ---  
Date 9/21/2011

### SAMPLING NOTES

\* Initial Depth to Water 7.91 feet      Measurement Point TOR      Well Diameter \_\_\_\_\_  
Final Depth to Water 10.74 feet      Well Depth \_\_\_\_\_ feet      Well Integrity: \_\_\_\_\_  
Screen Length 10.0 feet      Pump Intake Depth \_\_\_\_\_      Cap \_\_\_\_\_  
Total Volume Purged \_\_\_\_\_ gallons      PID Well Head \_\_\_\_\_      Casing \_\_\_\_\_  
[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]      Locked \_\_\_\_\_  
Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth      Collar \_\_\_\_\_

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
1420	9.20		19.0	6.53	3.6	7.69		-97	
1425	9.39		18.8	6.57	3.1	8.81		-117	
1430	9.74		18.5	6.68	2.8	9.67		-134	
1435	10.25		18.4	6.73	2.8	-		-145	
1440	10.38		18.1	6.71	2.7	28.4		-151	
1445	10.54		18.1	6.72	2.7	35.2		-151	
1450	10.68		18.1	6.72	2.5	32.9		-159	
1455	10.74		18.2	6.65	2.4	28.6		-132	
1500	10.74		18.7	6.73	2.5	32.8		-137	
1505									
1510									

Purge Observations: \_\_\_\_\_  
Purge Water Containerized: \_\_\_\_\_

*\* water level decrease occurred during pH re-calibration of HORIBA meter.*

### EQUIPMENT DOCUMENTATION

Type of Pump: Geopump  
Type of Tubing: 1/4" HDPE  
Type of Water Quality Meter: Horiba U-22; LaMotte 2020

Calibrated: \_\_\_\_\_

### ANALYTICAL PARAMETERS

Parameter      Volumes      Sample Collected  
VOCs            3 x 40 ml  
RCRA Metals  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### LOCATION NOTES

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signature: \_\_\_\_\_  
Checked By: \_\_\_\_\_

# Low Flow Groundwater Sampling Field Record

Project Name Orchard/Whitney Job #4216-03  
 Location ID MW-21 Field Sample ID OW-GW-21 Sampling Event # ---  
 Activity Time 1:45 Sample Time 2:55 Date 9/21/11

### SAMPLING NOTES

Initial Depth to Water 5.42 feet Measurement Point TOR Well Diameter 2"  
 Final Depth to Water 6.41 feet Well Depth \_\_\_\_\_ feet Well Integrity: \_\_\_\_\_  
 Screen Length 10 feet Pump Intake Depth 5 Cap missing  
 Total Volume Purged \_\_\_\_\_ gallons PID Well Head NA (0.0) Casing slightly bent  
 [purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter] Locked No  
 Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth Collar broken

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
1:54	6.05	150	18.51	7.54	0.91	112	1.915	134.3	
2:04	6.15	160	18.18	7.47	0.19	111	1.237	94.7	DO, Cond variable
2:15	6.22	175	17.77	7.51	-0.06	56.2	1.200	55.5	clean
2:25	6.23	175	17.61	7.53	-0.06	35.8	1.206	52.4	
2:35	6.21	175	17.40	7.54	-0.06	29.5	1.198	53.7	
2:45	6.24	200	17.18	7.56	-0.06	20.2	1.220	56.2	
2:55	6.40	200	17.25	7.56	-0.07	18.0	1.219	57.7	
2:55	SAMPLE								

Purge Observations: initial purge water turbid w/ dirt from ground surface, no odor  
 Purge Water Containerized: \_\_\_\_\_

### EQUIPMENT DOCUMENTATION

Type of Pump: Geopump  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: Horiba U-22; LaMotte 2020 Calibrated: \_\_\_\_\_

### ANALYTICAL PARAMETERS

Parameter Volumes Sample Collected  
 VOCs 3 x 40 ml  
 RCRA Metals \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### LOCATION NOTES

Well completion destroyed, no protective casing or j-plug in well  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: \_\_\_\_\_  
 Checked By: \_\_\_\_\_

1 1/4 / 4 min 15 sec.



**Low Flow Groundwater Sampling  
Field Record**

Project Name Orchard/Whitney Job # 4216-03  
 Location ID MW-22 Field Sample ID \_\_\_\_\_ Sampling Event # \_\_\_\_\_  
 Activity Time 1215 Sample Time 1310 Date 9-21-2011

**SAMPLING NOTES**

Initial Depth to Water 5.75 feet Measurement Point TOR Well Diameter 2"  
 Final Depth to Water \_\_\_\_\_ feet Well Depth 15.75 feet Well Integrity: \_\_\_\_\_  
 Screen Length 10.0 feet Pump Intake Depth \_\_\_\_\_ Cap OK  
 Total Volume Purged \_\_\_\_\_ gallons PID Well Head 0.0 Casing DAMAGED  
 [purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]  
 Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth  
 Locked YES  
 Collar DAMAGED

**PURGE DATA**

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
1215	5.75		18.2	3.99	8.0	1.40	2.63	221	pH ???
1220	5.85		17.3	3.99	8.1	2.02		218	
1225	5.85		16.8	4.00	7.9	0.53		214	
1230	5.85		16.6	4.01	7.8	0.22		213	
1235	5.86		16.6	4.02	7.8	0.97		212	
1240	5.86		16.5	4.03	7.7	0.86		211	
1245	5.86		16.4	4.04	7.6	0.29		210	
1250	5.87		16.4	4.05	7.6	0.28		210	
1255	5.87		16.4	4.06	7.6	0.29		210	
1300	5.87		16.4	4.06	7.6	0.30		211	

Purge Observations: \_\_\_\_\_  
 Purge Water Containerized: \_\_\_\_\_

**EQUIPMENT DOCUMENTATION**

Type of Pump: Geopump  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: Horiba U-22; LaMotte 2020 Calibrated: \_\_\_\_\_

**ANALYTICAL PARAMETERS**

Parameter Volumes Sample Collected  
 VOCs 3 x 40 ml  
 RCRA Metals  
 \_\_\_\_\_  
 \_\_\_\_\_

**LOCATION NOTES**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: JANE FORBES  
 Checked By: \_\_\_\_\_



**Low Flow Groundwater Sampling  
 Field Record**

Project Name Orchard/Whitney Job #4216-03  
 Location ID MW-23 Field Sample ID OW-MW-23 Sampling Event #      
 Activity Time     Sample Time 12:00 Date 9/21/11

**SAMPLING NOTES**

Initial Depth to Water 8.98 feet Measurement Point TOR Well Diameter 2"  
 Final Depth to Water     feet Well Depth 21.08 feet 1.97 Well Integrity:  
 Screen Length 10' feet Pump Intake Depth 20.0 g/volume Cap good  
 Total Volume Purged     gallons PID Well Head 0.2 Casing good  
 [purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter] Locked yes  
 Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth Collar    

**PURGE DATA**

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
10:15	10.5	300 +/-	15.41	7.14	1.53	—	1.15	-34	1st. <del>0.25</del>
10:19	10.6	300 +/-	13.92	7.64	0.00	—	1.07	-87	2nd. <del>6.0</del>
10:22	10.7	300 +/-	13.81	7.66	0.00	—	1.05	-81	3rd. <del>2.0</del>
10:26	10.8	300	13.59	7.69	0	—	1.03	-90	1st
10:30	11.4	300	13.55	7.69	0	—	1.04	-97	1.25 gal
10:35	11.5	300	13.47	7.65	0	—	1.07	-93	2.0
10:44	11.6	300	13.39	7.60	0	—	1.08	-87	3.0
11:00	11.65	300	13.35	7.55	0	—	1.10	-81	4.25
11:10	11.75	300	13.35	7.52	0	—	1.10	-67	5.25
11:18	11.79	300	13.42	7.50	0	1.02*	1.10	-68	6.0

Purge Observations: gradual cleanup \* 1st NTU reading used LaMotte  
 Purge Water Containerized: no per DEC

**EQUIPMENT DOCUMENTATION**

Type of Pump: Geopump  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: Horiba U-22; LaMotte 2020

Calibrated:    

**ANALYTICAL PARAMETERS**

Parameter Volumes Sample Collected  
VOCs 3 x 40 ml  
RCRA Metals  
     
     
   

**LOCATION NOTES**

Signature:      
 Checked By:

# Low Flow Groundwater Sampling Field Record

250 mL/min

Project Name Orchard/Whitney  
 Location ID MW24  
 Activity Time 1005

Field Sample ID MW-24  
 Sample Time \_\_\_\_\_

Job #4216-03  
 Sampling Event # \_\_\_\_\_  
 Date 9/22/2011

### SAMPLING NOTES

Initial Depth to Water 19.16 feet Measurement Point TOR  
 Final Depth to Water 35.4 feet Well Depth \_\_\_\_\_ feet  
 Screen Length 10 feet Pump Intake Depth \_\_\_\_\_  
 Total Volume Purged \_\_\_\_\_ gallons PID Well Head \_\_\_\_\_

Well Diameter 2"  
 Well Integrity:  
 Cap OK  
 Casing OK  
 Locked OK  
 Collar OK

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
1010	19.71		16.1	7.78	3.5	11.9		81	
1015	19.71		15.9	8.02	3.2	32.3		68	
1020	19.71		15.7	8.23	3.1	32.8		62	
1025	19.72		14.9	8.43	2.9	244		51	
1030	19.72		14.9	8.38	2.7	173		50	
1035	19.72		15.1	8.01	2.7	169		49	
1040	19.73		15.4	7.66	2.8	119		27	
1045	19.73		15.4	7.65	2.7	101		26	
1050	19.74		15.7	7.53	2.7	87.8		20	
1055	19.74		16.1	7.51	2.7	77.7		17	
1100	19.75		16.7	7.47	2.8	70.8		8	
1105	19.75		17.0	7.43	2.9			6	

Purge Observations: \_\_\_\_\_  
 Purge Water Containerized: \_\_\_\_\_

### EQUIPMENT DOCUMENTATION

Type of Pump: Geopump  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: Horiba U-22; LaMotte 2020

Calibrated: \_\_\_\_\_

### ANALYTICAL PARAMETERS

Parameter Volumes Sample Collected  
VOCs 3 x 40 ml  
RCRA Metals  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### LOCATION NOTES

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Signature: \_\_\_\_\_  
 Checked By: \_\_\_\_\_

# Low Flow Groundwater Sampling Field Record

250 mL/min

Project Name Orchard/Whitney

Job #4216-03

Location ID MW25

Field Sample ID \_\_\_\_\_

Sampling Event # \_\_\_\_\_

Activity Time 1200

Sample Time 1235

Date 9/22/2011

### SAMPLING NOTES

Initial Depth to Water 24.59 feet

Measurement Point TOR

Well Diameter 2"

Final Depth to Water 24.93 feet

Well Depth 34.5 feet

Well Integrity: \_\_\_\_\_

Screen Length 10' feet

Pump Intake Depth \_\_\_\_\_

Cap OK

Total Volume Purged \_\_\_\_\_ gallons

PID Well Head \_\_\_\_\_

Casing OK

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Locked OK

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

Collar OK

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
1200	24.59		14.8	7.13	8.0	54.4		125	
1205	24.73		14.5	7.11	7.9	33.3		126	
1210	24.84		14.4	7.08	7.8	24.8		124	
1215	24.87		14.3	7.04	7.7	12.3		123	
1220	24.89		14.2	7.04	7.8	10.48		123	
1225	24.91		14.3	7.03	7.7	5.67		123	
1230	24.93		14.2	7.07	7.7	5.48		123	
1235									
1240									
1245									
1250									

Purge Observations: \_\_\_\_\_

Purge Water Containerized: \_\_\_\_\_

### EQUIPMENT DOCUMENTATION

Type of Pump: Geopump

Type of Tubing: 1/4" HDPE

Type of Water Quality Meter: Horiba U-22; LaMotte 2020

Calibrated: \_\_\_\_\_

### ANALYTICAL PARAMETERS

Parameter Volumes Sample Collected

VOCs 3 x 40 ml

RCRA Metals \_\_\_\_\_

### LOCATION NOTES

Signature: \_\_\_\_\_

Checked By: \_\_\_\_\_



**Low Flow Groundwater Sampling  
Field Record**

Project Name Orchard-Whitney ERP  
Location ID MW05  
Activity Time 1:45

Field Sample ID MW05-12-04-12  
Sample Time 14:45

Job # 4216  
Sampling Event # ---  
Date 12/4/12

**SAMPLING NOTES**

Initial Depth to Water 8.23 feet  
Final Depth to Water 8.26 feet  
Screen Length 10 feet  
Total Volume Purged 2 gallons  
Measurement Point TOR  
Well Depth 17' feet  
Pump Intake Depth 10'  
PID Well Head NA

Well Diameter 2"  
Well Integrity:  
Cap   
Casing   
Locked no  
Collar

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]  
Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

**PURGE DATA**

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
14:00	8.26	150	14.8	7.37	1.97	1.04	1.00	29.0	
14:20	8.29	150	14.5	7.40	3.52	2.25	0.80	53.3	
14:42	8.29	150	14.5	7.35	3.32	0.99	0.88	61.7	

Purge Observations: very clear throughout  
Purge Water Containerized: NO

**EQUIPMENT DOCUMENTATION**

Type of Pump: Geopump  
Type of Tubing: 1/4" HDPE  
Type of Water Quality Meter: YSI Pro Plus; LaMotte 2020

Calibrated: \_\_\_\_\_

**ANALYTICAL PARAMETERS**

Parameter	Volumes	Sample Collected
TCL VOCs	2 x 40 ml	<input checked="" type="checkbox"/>
RCRA Metals	1 x 250 ml	<input checked="" type="checkbox"/>

**LOCATION NOTES**

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Signature:   
Checked By: \_\_\_\_\_

**Low Flow Groundwater Sampling  
 Field Record**

Project Name Orchard-Whitney ERP Job # 4216  
 Location ID MW06 Field Sample ID MW06\_12-04-12 MS/MSD Sampling Event # ---  
 Activity Time 10:40 Sample Time 11:30 Date 12/4/12

**SAMPLING NOTES**

Initial Depth to Water 8.85 feet Measurement Point TOR Well Diameter 2"  
 Final Depth to Water 8.87 feet Well Depth 17' feet Well Integrity:  
 Screen Length 10 feet Pump Intake Depth 12' Cap   
 Total Volume Purged 2.5 gallons PID Well Head NA Casing   
 [purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter] Locked   
 Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth Collar

**PURGE DATA**

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
10:45	8.95	150	15.2	7.19	0.63	6.02	0.83	12.7	
11:00	8.97	150	15.2	7.10	0.53	0.96	0.82	8.3	
11:15	8.98	150	15.1	7.19	0.49	1.26	0.80	-30.9	

Purge Observations: clear  
 Purge Water Containerized: NO

**EQUIPMENT DOCUMENTATION**

Type of Pump: Geopump  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: YSI Pro Plus; LaMotte 2020 Calibrated: \_\_\_\_\_

**ANALYTICAL PARAMETERS**

Parameter	Volumes	Sample Collected
TCL VOCs	<u>6x 40 ml</u>	<u>+ MS/MSD</u> ✓
RCRA Metals	<u>3 x 250 ml</u>	<u>+ MS/MSD</u> ✓

**LOCATION NOTES**

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Signature: [Signature]  
 Checked By: \_\_\_\_\_

# Low Flow Groundwater Sampling Field Record

 Project Name Orchard-Whitney ERP  
 Location ID MW07  
 Activity Time 10<sup>30</sup>

 Field Sample ID MW07-12042012  
 Sample Time 1140

 Job # 4216  
 Sampling Event # ---  
 Date 12-4-12

### SAMPLING NOTES

 Initial Depth to Water 9.07 feet  
 Final Depth to Water 9.24 feet  
 Screen Length \_\_\_\_\_ feet  
 Total Volume Purged 1 qt gallons  
 Measurement Point TOR  
 Well Depth 9.31 feet  
 Pump Intake Depth 9.3  
 PID Well Head NA

 Well Diameter 2"  
 Well Integrity:  
 Cap   
 Casing   
 Locked \_\_\_\_\_  
 Collar \_\_\_\_\_

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
1041	9.07	50				4.69			Pumped Dry Re-charged
1140	<del>9.18</del> 9.12		16.6	7.42	4.22	not enough water	0.79	60.3	

 Purge Observations: well pumped dry; may be debris in well  
 Purge Water Containerized: NO

### EQUIPMENT DOCUMENTATION

 Type of Pump: Geopump  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: YSI Pro Plus; LaMotte 2020

Calibrated: \_\_\_\_\_

### ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
TCL VOCs	<u>1 x 40 ml</u>	<u>1 - 1140</u>
RCRA Metals	<u>1 x 250 ml</u>	<u>1140</u>

### LOCATION NOTES

collected 1 40ML VOC  
well due to insufficient  
water  
well box cover broken

 Signature: [Signature]  
 Checked By: [Signature]

**Low Flow Groundwater Sampling  
 Field Record**

Project Name Orchard-Whitney ERP  
 Location ID MW08  
 Activity Time 3:30

Job # 4216  
 Field Sample ID MW08-12062012 Sampling Event #       
 Sample Time 16:15 Date 12-06-2012

**SAMPLING NOTES**

Initial Depth to Water 10.05 feet Measurement Point TOR  
 Final Depth to Water 10.16 feet Well Depth 17.82 feet  
 Screen Length 12 feet Pump Intake Depth 12  
 Total Volume Purged 2.5 gallons PID Well Head NA

Well Diameter 2"  
 Well Integrity:  
 Cap NO  
 Casing   
 Locked   
 Collar

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]  
 Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

**PURGE DATA**

\* Protective box/asphalt  
 broken, j-plug wait allow  
 well cover to be installed

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
3:30	10.2	200	13.8	6.93	.42	15.7	1.11	56.2	
3:45	10.22	↓	14.2	6.78	.15	8.79	0.95	45.4	
4:00	10.23	↓	14.3	6.81	.10	3.49	0.97	37.2	
4:15	10.23	↓	14.3	6.84	.14	0.83	0.97	30.0	

Purge Observations: Very low turbidity during purge  
 Purge Water Containerized: NO

**EQUIPMENT DOCUMENTATION**

Type of Pump: Geopump  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: YSI Pro Plus; LaMotte 2020

Calibrated: \_\_\_\_\_

**ANALYTICAL PARAMETERS**

Parameter	Volumes	Sample Collected
TCL VOCs	2 x 40 ml	16:15 ✓
RCRA Metals	1 x 250 ml	16:15 ✓

**LOCATION NOTES**

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Signature: [Signature]  
 Checked By: \_\_\_\_\_

**Low Flow Groundwater Sampling  
 Field Record**

Project Name Orchard-Whitney ERP Job # 4216  
 Location ID MW09 Field Sample ID MW09-12062012 Sampling Event #       
 Activity Time 11<sup>13</sup> Sample Time 12<sup>28</sup> Date 12/10/12

**SAMPLING NOTES**

Initial Depth to Water 8.81 feet Measurement Point TOR Well Diameter 2"  
 Final Depth to Water 9.34 feet Well Depth 18.75 feet Well Integrity:       
 Screen Length 15' feet Pump Intake Depth 12 Cap ✓  
 Total Volume Purged 2.4 gallons PID Well Head NA Casing ✓  
 [purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter] Locked ✓  
 Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth Collar ✓

*Bolts broken off @ lid*

**PURGE DATA**

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
<del>11<sup>21</sup></del>	<u>8.84</u>	<u>150</u>	<u>12.7</u>	<u>7.04</u>	<u>2.88</u>	<u>623</u>	<u>1.72</u>	<u>34.0</u>	
<u>11<sup>41</sup></u>	<u>9.11</u>		<u>13.5</u>	<u>7.15</u>	<u>2.31</u>	<u>45.2</u>	<u>1.81</u>		
<u>11<sup>57</sup></u>	<u>9.39</u>		<del>13.5</del> <u>13.8</u>	<u>7.08</u>	<u>3.0</u>	<u>20.1</u>	<u>1.78</u>	<u>45.4</u>	
<u>12<sup>14</sup></u>	<u>9.52</u>		<u>13.9</u>	<u>7.12</u>	<u>1.55</u>	<u>18.3</u>	<u>1.78</u>	<u>34</u>	
<u>12<sup>27</sup></u>	<u>9.55</u>		<u>12.8</u>	<u>7.05</u>	<u>1.22</u>	<u>11.23</u>	<u>1.78</u>	<u>31.5</u>	

Purge Observations: high initial turbidity  
 Purge Water Containerized: NO

**EQUIPMENT DOCUMENTATION**

Type of Pump: Geopump  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: YSI Pro Plus; LaMotte 2020 Calibrated: yes

**ANALYTICAL PARAMETERS**

Parameter	Volumes	Sample Collected
TCL VOCs	2 x 40 ml	<u>12<sup>28</sup></u>
RCRA Metals	1 x 250 ml	<u>12<sup>28</sup></u>
<u>MS</u>		<u>12<sup>30</sup></u>
<u>MSD</u>		<u>12<sup>20</sup></u>

**LOCATION NOTES**

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Signature: [Signature]  
 Checked By: [Signature]



# Low Flow Groundwater Sampling Field Record



Project Name Orchard-Whitney ERP  
 Location ID MW10  
 Activity Time 11:00

Field Sample ID MW10\_12-06-12/Dup  
 Sample Time 12:15

Job # 4216  
 Sampling Event # ---  
 Date 12/6/12

### SAMPLING NOTES

Initial Depth to Water 9.08 feet  
 Final Depth to Water 9.81 feet  
 Screen Length 10 feet  
 Total Volume Purged 2 gallons  
 Measurement Point TOR  
 Well Depth 17.91 feet  
 Pump Intake Depth 13'  
 PID Well Head NA

Well Diameter 2"  
 Well Integrity:  
 Cap None  
 Casing broken  
 Locked no  
 Collar broken  
 \* no j-plug & debris in/around TDC

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]  
 Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
11:26	9.3	175	12.2	7.38	4.75	16.8	0.74	44.9	
11:40	9.52	275	12.5	7.37	4.92	8.25	0.74	47.8	
11:55	9.80	175	12.8	7.37	4.92	3.80	0.73	52.2	
12:10	9.93	175	13.1	7.36	4.63	0.81	0.75	54.2	

Purge Observations: ~~water~~ water clarity high, no odor  
 Purge Water Containerized: No

### EQUIPMENT DOCUMENTATION

Type of Pump: Geopump  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: YSI Pro Plus; LaMotte 2020

Calibrated: \_\_\_\_\_

### ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
TCL VOCs	<u>4 x 40 ml</u>	<u>(+Dup) ✓</u>
RCRA Metals	<u>2 x 250 ml</u>	<u>(+Dup) ✓</u>

### LOCATION NOTES

Well cover missing, j-plug missing, leaves/dirt/debris has fallen into well (Approx. 0.2-0.3' of debris?)

Signature: Eid Dail  
 Checked By: \_\_\_\_\_

# Low Flow Groundwater Sampling Field Record

 Project Name Orchard-Whitney ERP  
 Location ID MW11  
 Activity Time 15:10

 Field Sample ID MW11\_12-04-12  
 Sample Time 16:05

 Job # 4216  
 Sampling Event # ---  
 Date 12/4/12

### SAMPLING NOTES

 Initial Depth to Water 5.05 feet  
 Final Depth to Water 5.15 feet  
 Screen Length 10 feet  
 Total Volume Purged 2.25 gallons  
 Measurement Point TOR  
 Well Depth 15.0 feet  
 Pump Intake Depth 10'  
 PID Well Head NA

 Well Diameter 2"  
 Well Integrity:  
 Cap   
 Casing   
 Locked NO  
 Collar   
 bolts broken off lid

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
15:20	5.1	125	13.5	7.17	0.93	73.1	1.30	-68.3	Fe bacteria ↑
15:40	5.28	150	13.4	7.12	0.14	32.4	1.26	-65.7	abundant Fe bacteria
16:00	5.25	150	13.6	7.09	0.51	8.21	1.26	-94.3	Fe bact.

 Purge Observations: high Fe bacteria count  
 Purge Water Containerized: NO

### EQUIPMENT DOCUMENTATION

 Type of Pump: Geopump  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: YSI Pro Plus; LaMotte 2020

Calibrated: \_\_\_\_\_

### ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
TCL VOCs	2 x 40 ml	<input checked="" type="checkbox"/>
RCRA Metals	1 x 250 ml	<input checked="" type="checkbox"/>

### LOCATION NOTES

Pressure on j-plug upon removal,  
static level rising from 5.75 to  
5'

 Signature: [Signature]  
 Checked By: \_\_\_\_\_

# Low Flow Groundwater Sampling Field Record

 Project Name Orchard-Whitney ERP  
 Location ID MW12  
 Activity Time 14:00

 Field Sample ID MW12\_12-06-12  
 Sample Time 15:10

 Job # 4216  
 Sampling Event # ---  
 Date 12/6/12

### SAMPLING NOTES

 Initial Depth to Water 7.45 feet      Measurement Point TOR  
 Final Depth to Water 9.72 feet      Well Depth 13 feet  
 Screen Length 7 feet      Pump Intake Depth 11  
 Total Volume Purged 2.2 gallons      PID Well Head NA

 Well Diameter 2"  
 Well Integrity:  
 Cap   
 Casing   
 Locked   
 Collar 

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
14:15	7.65	200	13.3	7.06	0.23	4.56	1.61	70.5	
14:35	8.90	200	13.1	7.07	0.16	4.78	1.61	52.8	
14:50	9.90	200	13.0	7.07	0.18	6.09	1.62	41.5	
15:05	9.58	175	13.0	7.07	0.15	4.66	1.62	34.9	

 Purge Observations: very clear purge water  
 Purge Water Containerized: NO

### EQUIPMENT DOCUMENTATION

 Type of Pump: Geopump  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: YSI Pro Plus; LaMotte 2020

Calibrated: \_\_\_\_\_

### ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
TCL VOCs	2 x 40 ml	<input checked="" type="checkbox"/>
RCRA Metals	1 x 250 ml	<input checked="" type="checkbox"/>

### LOCATION NOTES

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 Signature:   
 Checked By: \_\_\_\_\_

**Low Flow Groundwater Sampling  
 Field Record**

Project Name Orchard-Whitney ERP  
 Location ID MW13  
 Activity Time 153

Field Sample ID MW13-12042012  
 Sample Time 245

Job # 4216  
 Sampling Event # ---  
 Date 12/4/12

**SAMPLING NOTES**

Initial Depth to Water 7.97 feet Measurement Point TOR  
 Final Depth to Water 8.1 feet Well Depth 14.55 feet  
 Screen Length 10 feet Pump Intake Depth 10'  
 Total Volume Purged 2+ gallons PID Well Head NA

Well Diameter 2"  
 Well Integrity:  
 Cap   
 Casing   
 Locked   
 Collar

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]  
 Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

**PURGE DATA**

↓ destroyed completion

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
155	8.04	250	14.4	7.21	1.84	3.21	0.9	41.2	
200	8.12	200	14.4	7.18	1.44	3.3	0.92	38.3	
219	8.10	200	14.2	7.15	0.64	1.34	0.97	27.5	
240	8.1		14.5	7.16	1.05	0.37	0.95	16.9	

Purge Observations: very clear purge water  
 Purge Water Containerized: NO

**EQUIPMENT DOCUMENTATION**

Type of Pump: Geopump  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: YSI Pro Plus; LaMotte 2020 Calibrated: \_\_\_\_\_

**ANALYTICAL PARAMETERS**

Parameter	Volumes	Sample Collected
TCL VOCs	2 x 40 ml	245
RCRA Metals	1 x 250 ml	245

**LOCATION NOTES**

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Signature: [Signature]  
 Checked By: [Signature]

# Low Flow Groundwater Sampling Field Record

 Project Name Orchard-Whitney ERP  
 Location ID MW14  
 Activity Time 9:10

 Field Sample ID MW14-12-04-12  
 Sample Time 16:20

 Job # 4216  
 Sampling Event # ---  
 Date 12/4/12

### SAMPLING NOTES

 Initial Depth to Water 9.40 feet  
 Final Depth to Water 12.5 feet  
 Screen Length 10 feet  
 Total Volume Purged 0.75 gallons  
 Measurement Point TOR  
 Well Depth 14.0 feet  
 Pump Intake Depth 13.9'  
 PID Well Head NA

 Well Diameter 2"  
 Well Integrity:  
 Cap   
 Casing   
 Locked   
 Collar 

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
9:30	10.25	150	14.7	7.33	3.55	15.4	1.18	34.7	
9:48	12.55	125	14.8	7.39	1.70	16.9	1.18	13.0	
9:56	13.6	100	14.8	7.41	2.52	60.2	1.19	-67.0	

 Purge Observations: initially clear, then cloudy at bottom of well  
 Purge Water Containerized: no

### EQUIPMENT DOCUMENTATION

 Type of Pump: Geopump  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: YSI Pro Plus; LaMotte 2020

Calibrated: \_\_\_\_\_

### ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
TCL VOCs	2 x 40 ml	<input checked="" type="checkbox"/>
RCRA Metals	1 x 250 ml	<input checked="" type="checkbox"/>

### LOCATION NOTES

Well purges ~~are~~ dry; allow to recharge before sampling (all day)

 Signature: [Signature]  
 Checked By: \_\_\_\_\_

# Low Flow Groundwater Sampling Field Record

 Project Name Orchard-Whitney ERP  
 Location ID MW15  
 Activity Time 3:30

 Job # 4216  
 Field Sample ID MW15-12-03-2012 Sampling Event # ---  
 Sample Time 4:13 Date 12/3/12

### SAMPLING NOTES

 Initial Depth to Water 8.31 feet Measurement Point TOR  
 Final Depth to Water 8.46 feet Well Depth 14.95 feet  
 Screen Length 10 feet Pump Intake Depth 10'  
 Total Volume Purged 2 gallons PID Well Head NA

 Well Diameter 2"  
 Well Integrity:  
 Cap   
 Casing   
 Locked   
 Collar 

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
3:38		250	13.2	7.09	1.73	6.10	.99	77	
3:43	8.45	200	13.0	7.01	1.27	5.62	.84	64.3	
3:58	8.49	↓	12.8	6.91	.74	4.17	.72	56.8	
4:10	8.53	↓	12.8	6.89	1.16	8.10	.642	51.8	

 Purge Observations: very clear purge water  
 Purge Water Containerized: No

### EQUIPMENT DOCUMENTATION

 Type of Pump: Geopump  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: YSI Pro Plus; LaMotte 2020

Calibrated: \_\_\_\_\_

### ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
TCL VOCs	2 x 40 ml	4:13
RCRA Metals	1 x 250 ml	4:13

### LOCATION NOTES

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 Signature: [Signature]  
 Checked By: [Signature]

# Low Flow Groundwater Sampling Field Record

 Project Name Orchard-Whitney ERP  
 Location ID MW16  
 Activity Time 2:22

 Field Sample ID MW16-1203-2012  
 Sample Time 3:15

 Job # 4216  
 Sampling Event # ---  
 Date 12-03-2012

### SAMPLING NOTES

 Initial Depth to Water 7.65 feet  
 Final Depth to Water 7.69 feet  
 Screen Length 10 feet  
 Total Volume Purged 2 gallons  
 Measurement Point TOR  
 Well Depth 22.58 feet  
 Pump Intake Depth 17.5  
 PID Well Head NA

 Well Diameter 2"  
 Well Integrity:  
 Cap   
 Casing   
 Locked   
 Collar 

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
2:25	7.69	75	11.1	6.89	2.23	9.59	1.58	41.6	
2:35	7.79	150	11.0	6.83	.10	2.51	1.42	36.8	
2:54	7.81	↓	11.5	6.83	2.80	2.55	1.41	30.7	
3:08	7.82	↓	10.7	6.83	.16	2.26	1.41	27.5	

 Purge Observations: very clear purge water, no sheen  
 Purge Water Containerized: no

### EQUIPMENT DOCUMENTATION

 Type of Pump: Geopump  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: YSI Pro Plus; LaMotte 2020

Calibrated: \_\_\_\_\_

### ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
TCL VOCs	2 x 40 ml	<u>3:15</u>
RCRA Metals	1 x 250 ml	<u>3:15</u>

### LOCATION NOTES

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 Signature: [Signature]  
 Checked By: [Signature]



**Low Flow Groundwater Sampling  
Field Record**

Project Name Orchard-Whitney ERP  
Location ID MW17  
Activity Time 14:20

Field Sample ID MW17\_12-03-12  
Sample Time 15:20

Job # 4216  
Sampling Event # ---  
Date 12/3/12

**SAMPLING NOTES**

Initial Depth to Water 7.31 feet      Measurement Point TOR  
Final Depth to Water 7.67 feet      Well Depth 17' feet  
Screen Length 10 feet      Pump Intake Depth 12'  
Total Volume Purged 2.2 gallons      PID Well Head NA

Well Diameter 2"  
Well Integrity:  
Cap   
Casing ok  
Locked yes  
Collar

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

**PURGE DATA**

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
14:35	7.60	200	12.3	7.24	2.05	6.14	1.25	1.2	
14:55	7.57	125	12.2	7.18	1.00	3.91	1.26	41.6	
15:10	7.85	150	12.1	7.15	1.86	1.09	1.27	49.9	
15:19	7.87	125	12.2	7.16	0.95	0.73	1.27	51.0	

Purge Observations: very clean  
Purge Water Containerized: yes - 55 gal drums

**EQUIPMENT DOCUMENTATION**

Type of Pump: Geopump  
Type of Tubing: 1/4" HDPE  
Type of Water Quality Meter: YSI Pro Plus; LaMotte 2020

Calibrated: \_\_\_\_\_

**ANALYTICAL PARAMETERS**

Parameter	Volumes	Sample Collected
TCL VOCs	2 x 40 ml	yes
RCRA Metals	1 x 250 ml	yes
Cr <sup>6+</sup>	1 x 250 ml	yes

**LOCATION NOTES**

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Signature: *Eric DeFuria*  
Checked By: \_\_\_\_\_



## Low Flow Groundwater Sampling Field Record

 Project Name Orchard-Whitney ERP  
 Location ID MW18  
 Activity Time 12/04

 Job # 4216  
 Field Sample ID MW18-12042012 Sampling Event #       
 Sample Time 1:04 Date 12-4-12

### SAMPLING NOTES

 Initial Depth to Water 7.94 feet      Measurement Point TOR      Well Diameter 2"  
 Final Depth to Water 8.0 feet      Well Depth 15.70 feet      Well Integrity: \_\_\_\_\_  
 Screen Length 10 feet      Pump Intake Depth 10      Cap   
 Total Volume Purged 2+ gallons      PID Well Head NA      Casing   
 [purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]      Locked   
 Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth      Collar 

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
12:15	8.10	250	14.7	7.09	0.69	4.77	1.05	16.1	
12:45	8.1	200	14.7	7.25	.58	2.17	.85	-0.7	
1:01	8.1	200	14.4	7.21	.33	2.05	.85	-4.3	

 Purge Observations: very low turbidity  
 Purge Water Containerized: No

### EQUIPMENT DOCUMENTATION

 Type of Pump: Geopump  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: YSI Pro Plus; LaMotte 2020      Calibrated: \_\_\_\_\_

### ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
TCL VOCs	2 x 40 ml	100
RCRA Metals	1 x 250 ml	104

### LOCATION NOTES

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 Signature: [Signature]  
 Checked By: [Signature]



**Low Flow Groundwater Sampling  
Field Record**

Project Name Orchard-Whitney ERP  
Location ID MW19  
Activity Time 9:15

Field Sample ID MW19-2042012  
Sample Time 10:10

Job # 4216  
Sampling Event # ---  
Date 12/4/12

**SAMPLING NOTES**

Initial Depth to Water 10.14 feet  
Final Depth to Water 13.41 feet  
Screen Length 10 feet  
Total Volume Purged 1.5 gallons  
Measurement Point TOR  
Well Depth 14.43 feet  
Pump Intake Depth 14'  
PID Well Head NA

Well Diameter \_\_\_\_\_  
Well Integrity:  
Cap   
Casing   
Locked   
Collar

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]  
Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

**PURGE DATA**

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
938	10.21	250	14.8	7.32	5.47	9.95	1.17	75.1	
948	12.04	150	14.9	7.25	4.29	9.26	1.15	54.9	
958	12.69	↓	14.9	7.27	1.04	5.62	1.06	89.7	
1008	13.43	↓	15.2	7.30	3.77	8.11	1.06	92.4	

Purge Observations: very clear purge water  
Purge Water Containerized: NO

**EQUIPMENT DOCUMENTATION**

Type of Pump: Geopump  
Type of Tubing: 1/4" HDPE  
Type of Water Quality Meter: YSI Pro Plus; LaMotte 2020

Calibrated: \_\_\_\_\_

**ANALYTICAL PARAMETERS**

Parameter Volumes Sample Collected  
TCL VOCs 2 x 40 ml 10<sup>10</sup>  
RCRA Metals 1 x 250 ml 10<sup>10</sup>

**LOCATION NOTES**

curb box full of water upon opening (above top of riser)

Signature: [Signature]  
Checked By: [Signature]

# Low Flow Groundwater Sampling Field Record

 Project Name Orchard-Whitney ERP  
 Location ID MW20  
 Activity Time 12:00

 Field Sample ID MW20-12-04-12/Dup  
 Sample Time 13:10

 Job # 4216  
 Sampling Event # ---  
 Date 12/4/12

### SAMPLING NOTES

 Initial Depth to Water 7.51 feet      Measurement Point TOR  
 Final Depth to Water 9.85 feet      Well Depth 17.0 feet  
 Screen Length 12' feet      Pump Intake Depth 12'  
 Total Volume Purged 2.5 gallons      PID Well Head N/A

 Well Diameter 2"  
 Well Integrity:  
 Cap   
 Casing   
 Locked   
 Collar 

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
12:25	8.42	175	14.6	7.04	0.62	27.1	1.70	-132.8	green-yellow discoloration
12:43	8.92	150	14.7	7.04	0.16	13.2	1.69	-132.4	clearer
13:03	9.5	200	14.6	7.07	0.35	10.71	1.63	-123.8	

 Purge Observations: green-yellow discoloration  
 Purge Water Containerized: No

### EQUIPMENT DOCUMENTATION

 Type of Pump: Geopump  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: YSI Pro Plus; LaMotte 2020

Calibrated: \_\_\_\_\_

### ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
TCL VOCs	<u>4 x 40 ml (+Dup)</u>	<u>yes</u>
RCRA Metals	<u>2 x 250 ml (+Dup)</u>	<u>yes</u>

### LOCATION NOTES

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 Signature:   
 Checked By: \_\_\_\_\_



**Low Flow Groundwater Sampling  
Field Record**

Project Name Orchard-Whitney ERP  
Location ID MW21  
Activity Time 3:15

Field Sample ID MW21-12-04-12  
Sample Time 4:05

Job # 4216  
Sampling Event # ---  
Date 12-4-12

**SAMPLING NOTES**

Initial Depth to Water 5.49 ~~5.39~~ feet  
Final Depth to Water 6.09 feet  
Screen Length 13.0 feet  
Total Volume Purged 1.75 gallons  
Measurement Point TOR  
Well Depth 17.55 feet  
Pump Intake Depth 10'  
PID Well Head NA

Well Diameter 2"  
Well Integrity:  
Cap   
Casing   
Locked   
Collar

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

**PURGE DATA**

completion & j-plug destroyed

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
<del>3:30</del>	<del>5.5</del>		<del>12.5</del>	<del>7.37</del>	<del>11.18</del>		<del>0.607</del>	<del>67.8</del>	
3:30	5.5		12.8	7.49	4.33	57.5	0.77	5.09	
3:47	6.14		12.6	7.39	0.25	26.2	0.77	13.1	
4:03	6.17		12.6	7.40	0.5	21.9	0.78	11.8	

Purge Observations: clean throughout purge  
Purge Water Containerized: NO

**EQUIPMENT DOCUMENTATION**

Type of Pump: Geopump  
Type of Tubing: 1/4" HDPE  
Type of Water Quality Meter: YSI Pro Plus; LaMotte 2020

Calibrated: \_\_\_\_\_

**ANALYTICAL PARAMETERS**

Parameter	Volumes	Sample Collected
TCL VOCs	2 x 40 ml	<input checked="" type="checkbox"/>
RCRA Metals	1 x 250 ml	<input checked="" type="checkbox"/>

**LOCATION NOTES**

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Signature: [Signature]  
Checked By: \_\_\_\_\_

# Low Flow Groundwater Sampling Field Record

Project Name Orchard-Whitney ERP Job # 4216  
 Location ID MW22 Field Sample ID MW22-1204 Sampling Event # ---  
 Activity Time 2<sup>nd</sup> / 2<sup>nd</sup> Sample Time 3:05 Date 12/6/12

### SAMPLING NOTES

Initial Depth to Water 5.81 feet Measurement Point TOR Well Diameter ---  
 Final Depth to Water 5.88 feet Well Depth 15.67 feet Well Integrity: ---  
 Screen Length 12 feet Pump Intake Depth 10 Cap   
 Total Volume Purged 2 gallons PID Well Head NA Casing ---  
 [purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter] Locked ---  
 Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth Collar ---

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
217	5.88	250	8.9	7.72	5.64	12.8	0.93	42.4	
200		150							
244	5.89	↓	9.7	7.23	5.01	7.05	0.93	94.4	
304	5.89	↓	9.6	7.23	6.34	2.64	0.93	106.4	

Purge Observations: very clear throughout purge  
 Purge Water Containerized: NO

### EQUIPMENT DOCUMENTATION

Type of Pump: Geopump  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: YSI Pro Plus; LaMotte 2020 Calibrated: ---

### ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
TCL VOCs	2 x 40 ml	<u>304</u>
RCRA Metals	1 x 250 ml	<u>304</u>

### LOCATION NOTES

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Signature: [Signature]  
 Checked By: [Signature]

# Low Flow Groundwater Sampling Field Record

 Project Name Orchard-Whitney ERP  
 Location ID MW23  
 Activity Time 15:30

 Field Sample ID MW23\_12-3-12  
 Sample Time 16:32

 Job # 4216  
 Sampling Event # ---  
 Date 12/3/12

### SAMPLING NOTES

 Initial Depth to Water 7.83 feet      Measurement Point TOR  
 Final Depth to Water 10.71 feet      Well Depth 22 feet  
 Screen Length 10 feet      Pump Intake Depth 17  
 Total Volume Purged 2 gallons      PID Well Head NA

 Well Diameter 2"  
 Well Integrity:  
 Cap   
 Casing   
 Locked   
 Collar 

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
15:45	10.2	200	13.6	7.62	0.58	1.52	1.09	-80.0	
16:00	10.69	175	13.6	7.58	0.80 (0.9)	0.47	1.06	-124.6	
16:15	10.79	175	13.5	7.56	0.23	0.56	1.04	-143.7	
16:30	10.82	150	13.4	7.55	0.23	0.28	1.04	-149.5	

 Purge Observations: clean  
 Purge Water Containerized: no

### EQUIPMENT DOCUMENTATION

 Type of Pump: Geopump  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: YSI Pro Plus; LaMotte 2020

Calibrated: \_\_\_\_\_

### ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
TCL VOCs	2 x 40 ml	<input checked="" type="checkbox"/>
RCRA Metals	1 x 250 ml	<input checked="" type="checkbox"/>

### LOCATION NOTES

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 Signature:   
 Checked By: \_\_\_\_\_

# Low Flow Groundwater Sampling Field Record

Project Name Orchard-Whitney ERP Job # 4216  
 Location ID MW24 Field Sample ID MW24\_12052012 Sampling Event # ---  
 Activity Time 935 Sample Time 1023 Date 12-8-12

### SAMPLING NOTES

Initial Depth to Water 19.59 feet Measurement Point TOR Well Diameter \_\_\_\_\_  
 Final Depth to Water 19.79 feet Well Depth 36.05 feet Well Integrity: \_\_\_\_\_  
 Screen Length \_\_\_\_\_ feet Pump Intake Depth 25' Cap   
 Total Volume Purged 1 gallons PID Well Head \_\_\_\_\_ Casing   
 [purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter] Locked   
 Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth Collar \_\_\_\_\_

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
946	19.94	150	13.5	8.16	4.14	26.3	.590	31.0	
1023	19.93	↓	13.4	8.52	1.46	44.4	.573	43.2	
1017	19.69	✓	11.2	8.64	3.64	34.1	.596	38.6	

Purge Observations: slightly cloudy  
 Purge Water Containerized: No

### EQUIPMENT DOCUMENTATION

Type of Pump: Geopump  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: YSI Pro Plus; LaMotte 2020 Calibrated: \_\_\_\_\_

### ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
TCL VOCs	2 x 40 ml	<u>1023</u> ✓
RCRA Metals	1 x 250 ml	<u>1023</u> ✓

### LOCATION NOTES

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Signature: [Signature]  
 Checked By: [Signature]

# Low Flow Groundwater Sampling Field Record

 Project Name Orchard-Whitney ERP  
 Location ID MW25  
 Activity Time 9:30

 Field Sample ID MW25\_12-06-12  
 Sample Time 10:30

 Job # 4216  
 Sampling Event # ---  
 Date 12/6/12

### SAMPLING NOTES

 Initial Depth to Water 24.61 feet  
 Final Depth to Water 24.68 feet  
 Screen Length 10' feet  
 Total Volume Purged 1.7 gallons  
 Measurement Point TOR  
 Well Depth 30' feet  
 Pump Intake Depth 26'  
 PID Well Head N/A

 Well Diameter 2"  
 Well Integrity:  
 Cap   
 Casing   
 Locked   
 Collar 

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
9:40	24.72	125	11.8	7.13	6.86	2.57	0.83	58.7	
9:55	24.72	100	11.3	7.14	7.70	1.60	0.82	59.7	
10:10	24.71	125	10.7	7.16	7.64	1.22	0.82	63.6	
10:25	24.72	125	10.6	7.17	7.61	1.09	0.84	65.4	

 Purge Observations: very clear, no odor  
 Purge Water Containerized: no

### EQUIPMENT DOCUMENTATION

 Type of Pump: Geopump  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: YSI Pro Plus; LaMotte 2020

Calibrated: \_\_\_\_\_

### ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
TCL VOCs	2 x 40 ml	<input checked="" type="checkbox"/>
RCRA Metals	1 x 250 ml	<input checked="" type="checkbox"/>

### LOCATION NOTES

Reaching limit of geopump for head  
pressure struggles to purge full volume

 Signature: [Signature]  
 Checked By: \_\_\_\_\_



# Low Flow Groundwater Sampling Field Record

 Project Name Orchard-Whitney ERP  
 Location ID PA03  
 Activity Time 9:53

 Field Sample ID PA-03-12-03-2012  
 Sample Time 10:33

 Job # 4216  
 Sampling Event # ---  
 Date 12/3/12

### SAMPLING NOTES

 Initial Depth to Water 10.13 feet      Measurement Point TOR  
 Final Depth to Water 10.31 feet      Well Depth 20.88 feet  
 Screen Length 10' feet      Pump Intake Depth 15.75  
 Total Volume Purged 2 gallons      PID Well Head NA

 Well Diameter 1in.  
 Well Integrity:  
 Cap   
 Casing   
 Locked   
 Collar 

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
9:45	10.25	150 ml/min	9.9	7.87	<del>7.87</del>	2.15	.427	44.8	
10 <sup>00</sup>	10.39	↓	9.8	7.87	<del>7.87</del>	1.94	.421	54.1	
10 <sup>17</sup>	10.49	↓	9.8	7.87	7.89	9.43	.428	62.9	

 Purge Observations: clear throughout  
 Purge Water Containerized: yes, 55 gal drum

### EQUIPMENT DOCUMENTATION

 Type of Pump: Geopump  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: YSI Pro Plus; LaMotte 2020

Calibrated: \_\_\_\_\_

### ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
TCL VOCs	2 x 40 ml	10:33
RCRA Metals	1 x 250 ml	10:33

### LOCATION NOTES

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 Signature: [Signature]  
 Checked By: [Signature]

# Low Flow Groundwater Sampling Field Record

 Project Name Orchard-Whitney ERP  
 Location ID PA04  
 Activity Time 10:00

 Field Sample ID PA04-12-3-12  
 Sample Time 11:00

 Job # 4216  
 Sampling Event # ---  
 Date 12/3/12

### SAMPLING NOTES

 Initial Depth to Water 10.45 feet  
 Final Depth to Water 11.21 feet  
 Screen Length 10 feet  
 Total Volume Purged 2 gallons  
 Measurement Point TOR  
 Well Depth 20.32 feet  
 Pump Intake Depth 15  
 PID Well Head NA

 Well Diameter 1"  
 Well Integrity:  
 Cap not on  
 Casing NA  
 Locked NA  
 Collar NA

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]  
 Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
10:02	9.9	175	11.0	7.47	0.83	21.4	1.09	12.6	
10:16	9.98	175	11.0	7.39	4.98	7.42	0.85	66.7	
10:36	10.65	175	11.0	7.43	5.72	3.19	0.85	86.5	
10:46	10.92	200	11.0	7.51	4.33	1.85	0.88	90.1	
10:56	11.28	200	11.1	7.59	3.52	1.83	0.90	95.5	

 Purge Observations: clean throughout purge  
 Purge Water Containerized: yes - 55 gal drum

### EQUIPMENT DOCUMENTATION

 Type of Pump: Geopump  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: YSI Pro Plus; LaMotte 2020

Calibrated: \_\_\_\_\_

### ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
TCL VOCs	2 x 40 ml	✓
RCRA Metals	1 x 250 ml	✓
Hex Cr <sup>VI</sup>	1 x 250 ml	✓

### LOCATION NOTES

1" miniwell without protective casing  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

 Signature: [Signature]  
 Checked By: \_\_\_\_\_

# Low Flow Groundwater Sampling Field Record

 Project Name Orchard-Whitney ERP  
 Location ID PA09  
 Activity Time 1052

 Field Sample ID PA09-12-03-2012  
 Sample Time 12:12

 Job # 4216  
 Sampling Event # ---  
 Date 12/3/12

### SAMPLING NOTES

 Initial Depth to Water 8.15 feet  
 Final Depth to Water 8.65 feet  
 Screen Length 5' feet  
 Total Volume Purged 2 gallons  
 Measurement Point TOR  
 Well Depth 10.09 feet  
 Pump Intake Depth 9.5'  
 PID Well Head NA

 Well Diameter 2"  
 Well Integrity:  
 Cap   
 Casing NA  
 Locked NA  
 Collar NA

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
1007	8.26	150	12.3	7.4	8.97	3195	0	-132.2	
1121	8.45		12.5	7.09	6.07	465	0	-260.8	
1135	8.66		12.7	7.11	6.3	9	0	-184	
1152	8.75		12.9	7.11	6.19	39.9	0	-200	
1204	8.79	✓	13.0	7.10	6.04	14.0	0	-207.4	

 Purge Observations: generally clean purge water after first 1/2 hr  
 Purge Water Containerized: yes - 55 gal drum

### EQUIPMENT DOCUMENTATION

 Type of Pump: Geopump  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: YSI Pro Plus; LaMotte 2020

Calibrated: \_\_\_\_\_

### ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
TCL VOCs	2 x 40 ml	12:12 ✓
RCRA Metals	1 x 250 ml	12:12 ✓

### LOCATION NOTES

Back-filled well  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

 Signature: [Signature]  
 Checked By: [Signature]

# Low Flow Groundwater Sampling Field Record

 Project Name Orchard-Whitney ERP  
 Location ID PA14  
 Activity Time 11:20

 Field Sample ID PA14\_12-3-12  
 Sample Time 12:15

 Job # 4216  
 Sampling Event # ---  
 Date 12/3/12

### SAMPLING NOTES

 Initial Depth to Water 9.40 feet  
 Final Depth to Water 9.41 feet  
 Screen Length 10 feet  
 Total Volume Purged 2 gal gallons  
 Measurement Point TOR  
 Well Depth 15.10 feet  
 Pump Intake Depth 10  
 PID Well Head NA

 Well Diameter 2"  
 Well Integrity:  
 Cap   
 Casing NONE  
 Locked NO  
 Collar NONE

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
11:28	9.4	100	12.3	5.99	0.44	3.63	4.50	-229.5	
11:41	9.4	125	12.5	6.01	0.20	3.25	4.47	-269.6	
12:00	9.4	150	12.7	6.01	0.60	3.11	4.47	-303.8	
12:12	9.4	150	12.7	6.01	0.23	4.2	4.49	-308.0	

 Purge Observations: initial purge water green-brown, strong sulphur odor  
 Purge Water Containerized: yes - 55 gal drum

### EQUIPMENT DOCUMENTATION

 Type of Pump: Geopump  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: YSI Pro Plus; LaMotte 2020

Calibrated: \_\_\_\_\_

### ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
TCL VOCs	2 x 40 ml	yes
RCRA Metals	1 x 250 ml	yes
Cr+6	1 x 250 ml	yes

### LOCATION NOTES

Strong odor - sulphur & possibly degraded molasses? Reaction w/H<sub>2</sub>O while collecting VOA samples (lots of bubbling, hard to get VOA sample without air bubbles)

 Signature: [Signature]  
 Checked By: \_\_\_\_\_

# Low Flow Groundwater Sampling Field Record

 Project Name Orchard-Whitney ERP  
 Location ID PA159  
 Activity Time 13<sup>00</sup>

 Field Sample ID PA155-12-03-  
 Sample Time 1:52 2012

 Job # 4216  
 Sampling Event #       
 Date 12-3-2012

### SAMPLING NOTES

 Initial Depth to Water 9.03 feet  
 Final Depth to Water 9.89 feet  
 Screen Length 2.5' feet  
 Total Volume Purged <1 gallons  
 Measurement Point TOR  
 Well Depth 13' +/- feet  
 Pump Intake Depth 12.0  
 PID Well Head NA

 Well Diameter 1"  
 Well Integrity:  
 Cap   
 Casing   
 Locked   
 Collar 

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
105	9.8	150	10.7	7.11	0.51	4.85	1.71	-33.5	
128	9.95	↓	11.2	7.65	16.04	2.86	1.78	-26.3	purged Dry Sample after Re-charge

 Purge Observations: generally clean  
 Purge Water Containerized: yes - 55 gal drum

### EQUIPMENT DOCUMENTATION

 Type of Pump: Geopump  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: YSI Pro Plus; LaMotte 2020

Calibrated: \_\_\_\_\_

### ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
TCL VOCs	2 x 40 ml	152
RCRA Metals	1 x 250 ml	152

### LOCATION NOTES

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 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

 Signature: Jameth B...  
 Checked By: En Detail

# Low Flow Groundwater Sampling Field Record

 Project Name Orchard-Whitney ERP  
 Location ID PA15D  
 Activity Time 12:45

 Field Sample ID PA15D\_12-3-12  
 Sample Time 14:00

 Job # 4216  
 Sampling Event # ---  
 Date 12/3/12

### SAMPLING NOTES

 Initial Depth to Water 10.31 feet  
 Final Depth to Water 12.04 feet  
 Screen Length 2.5 feet  
 Total Volume Purged 2 gal gallons  
 Measurement Point TOR  
 Well Depth 18.5 1/4 feet  
 Pump Intake Depth 17.5'  
 PID Well Head NA

 Well Diameter 1"  
 Well Integrity:  
 Cap   
 Casing none  
 Locked no  
 Collar none

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]  
 Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

### PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
13:09	11.58	125	11.3	7.68	0.37	2.38	0.97	-231.8	
13:30	12.10	175	11.4	7.66	0.27	7.90	1.19	-263.7	
13:47	12.20	125	11.5	7.62	0.16	7.63	1.30	-249.7	
13:57	12.12	125	11.6	7.61	0.19	8.16	1.35	-268.9	

 Purge Observations: generally very clean throughout purge  
 Purge Water Containerized: yes - 55 gal drum

### EQUIPMENT DOCUMENTATION

 Type of Pump: Geopump  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: YSI Pro Plus; LaMotte 2020

Calibrated: \_\_\_\_\_

### ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
TCL VOCs	2 x 40 ml	<u>yes</u>
RCRA Metals	1 x 250 ml	<u>yes</u>

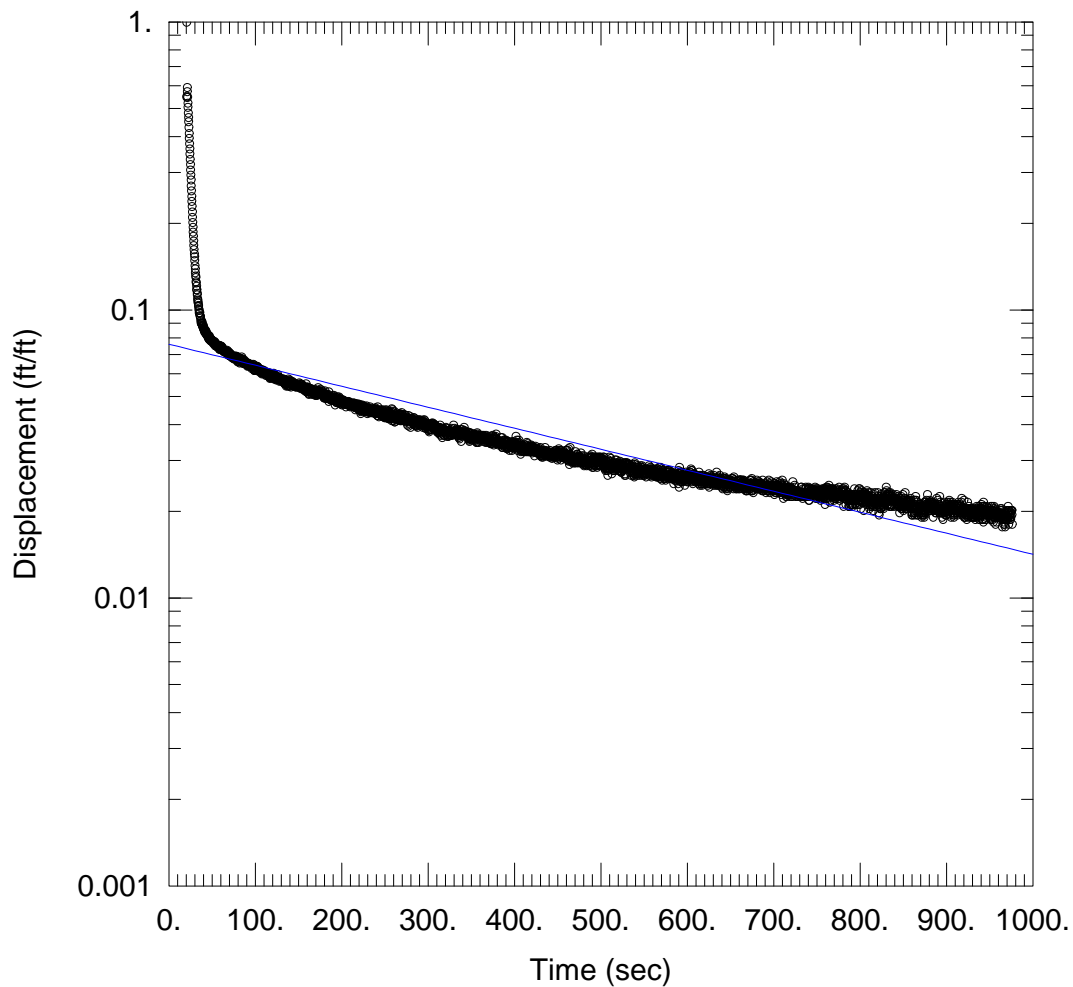
### LOCATION NOTES

 \_\_\_\_\_  
 \_\_\_\_\_  
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 \_\_\_\_\_  
 \_\_\_\_\_

 Signature: [Signature]  
 Checked By: \_\_\_\_\_

**Appendix F –  
Slug Test Data**

---



### SLUG OUT

Data Set: \...\MW-9.aqt  
 Date: 10/31/13

Time: 15:33:51

### PROJECT INFORMATION

Company: Lu Engineers  
 Client: City of Rochester  
 Project: 4216  
 Location: Orchard-Whitney  
 Test Well: MW-9  
 Test Date: 3/10/09

### AQUIFER DATA

Saturated Thickness: 11.92 ft

Anisotropy Ratio ( $K_z/K_r$ ): 1.

### WELL DATA (MW-9)

Initial Displacement: -2.891 ft  
 Total Well Penetration Depth: 12. ft  
 Casing Radius: 0.083 ft

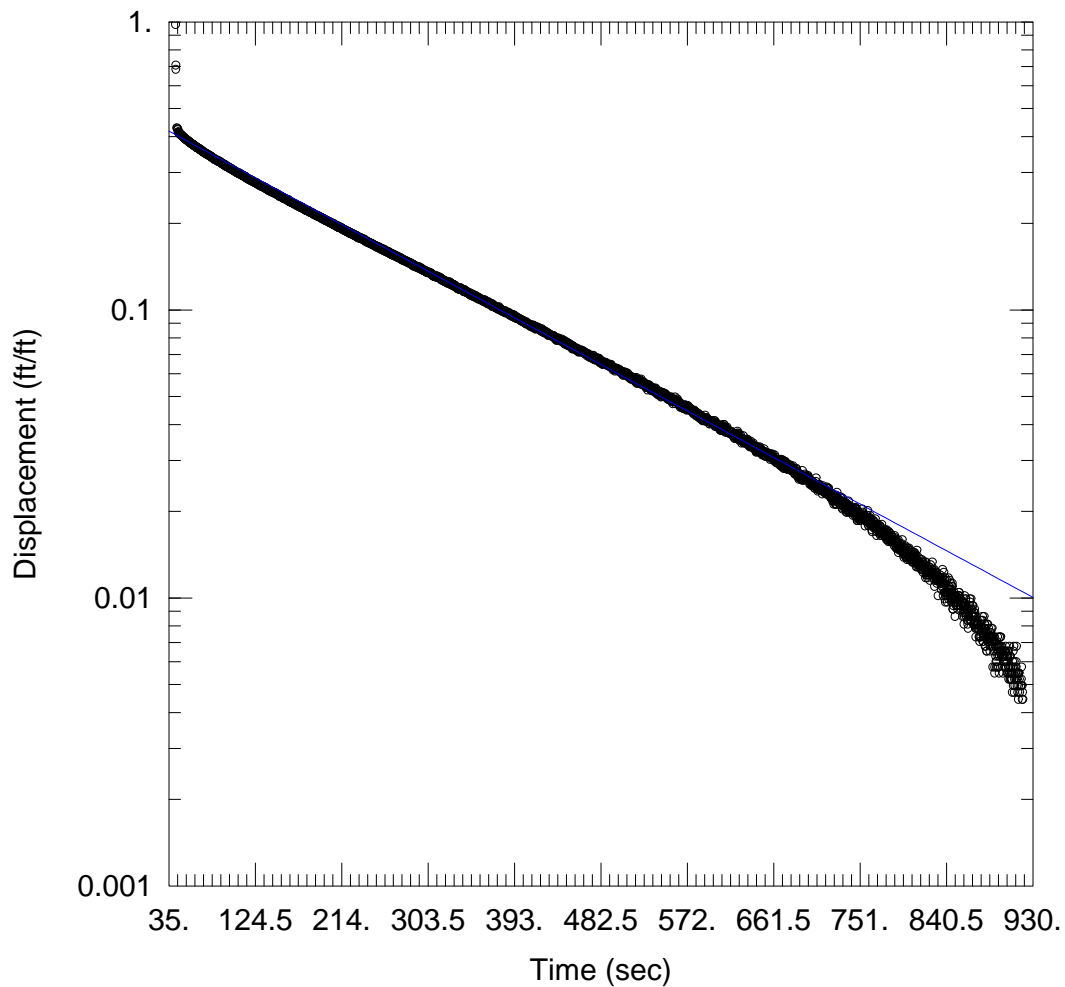
Static Water Column Height: 11.92 ft  
 Screen Length: 15. ft  
 Wellbore Radius: 0.33 ft  
 Gravel Pack Porosity: 0.38

### SOLUTION

Aquifer Model: Unconfined  
 $K =$  7.084E-6 ft/sec

Solution Method: Bower-Rice  
 $y_0 =$  -0.2197 ft





### SLUG OUT

Data Set: \...\MW-10.aqt  
Date: 10/31/13

Time: 15:48:09

### PROJECT INFORMATION

Company: Lu Engineers  
Client: City of Rochester  
Project: 4216  
Location: Orchard-Whitney  
Test Well: MW-10  
Test Date: 3/10/09

### AQUIFER DATA

Saturated Thickness: 12. ft

Anisotropy Ratio (Kz/Kr): 1.

### WELL DATA (MW-10)

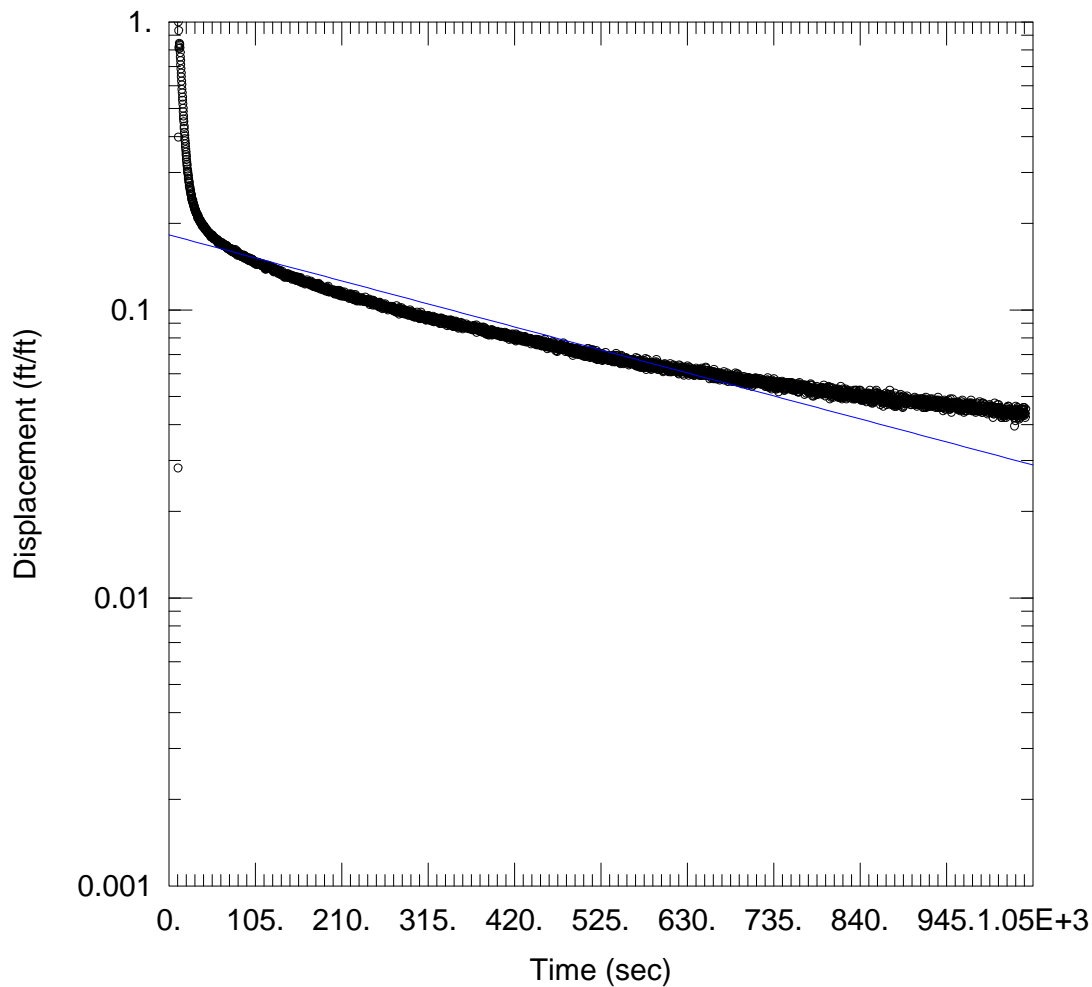
Initial Displacement: -3.832 ft  
Total Well Penetration Depth: 11.77 ft  
Casing Radius: 0.083 ft

Static Water Column Height: 11.77 ft  
Screen Length: 10. ft  
Wellbore Radius: 0.33 ft

### SOLUTION

Aquifer Model: Unconfined  
K = 3.736E-6 ft/sec

Solution Method: Bower-Rice  
y0 = -1.851 ft



SLUG OUT

Data Set: \\...\MW-14.aqt  
 Date: 10/31/13

Time: 15:58:55

PROJECT INFORMATION

Company: Lu Engineers  
 Client: City of Rochester  
 Project: 4216  
 Location: Orchard-Whitney  
 Test Well: MW-14  
 Test Date: 3/10/09

AQUIFER DATA

Saturated Thickness: 7.07 ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-14)

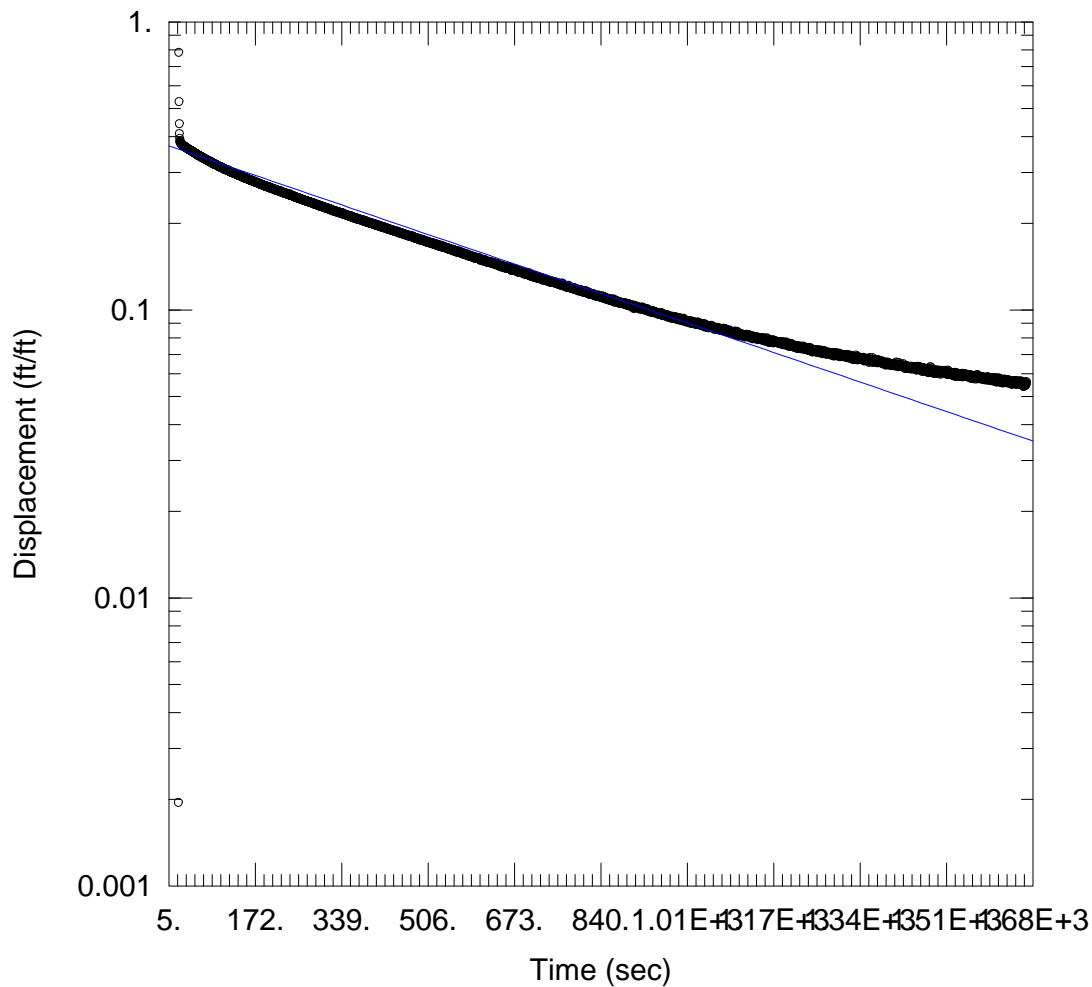
Initial Displacement: -1.772 ft  
 Total Well Penetration Depth: 7.07 ft  
 Casing Radius: 0.083 ft

Static Water Column Height: 7.07 ft  
 Screen Length: 10. ft  
 Wellbore Radius: 0.33 ft  
 Gravel Pack Porosity: 0.5

SOLUTION

Aquifer Model: Unconfined  
 K = 1.195E-5 ft/sec

Solution Method: Bower-Rice  
 y0 = -0.3228 ft



SLUG OUT

Data Set: \...\MW-20.aqt  
Date: 10/31/13

Time: 16:01:22

PROJECT INFORMATION

Company: Lu Engineers  
Client: City of Rochester  
Project: 4216  
Location: Orchard-Whitney  
Test Well: MW-20  
Test Date: 3/10/09

AQUIFER DATA

Saturated Thickness: 12. ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-20)

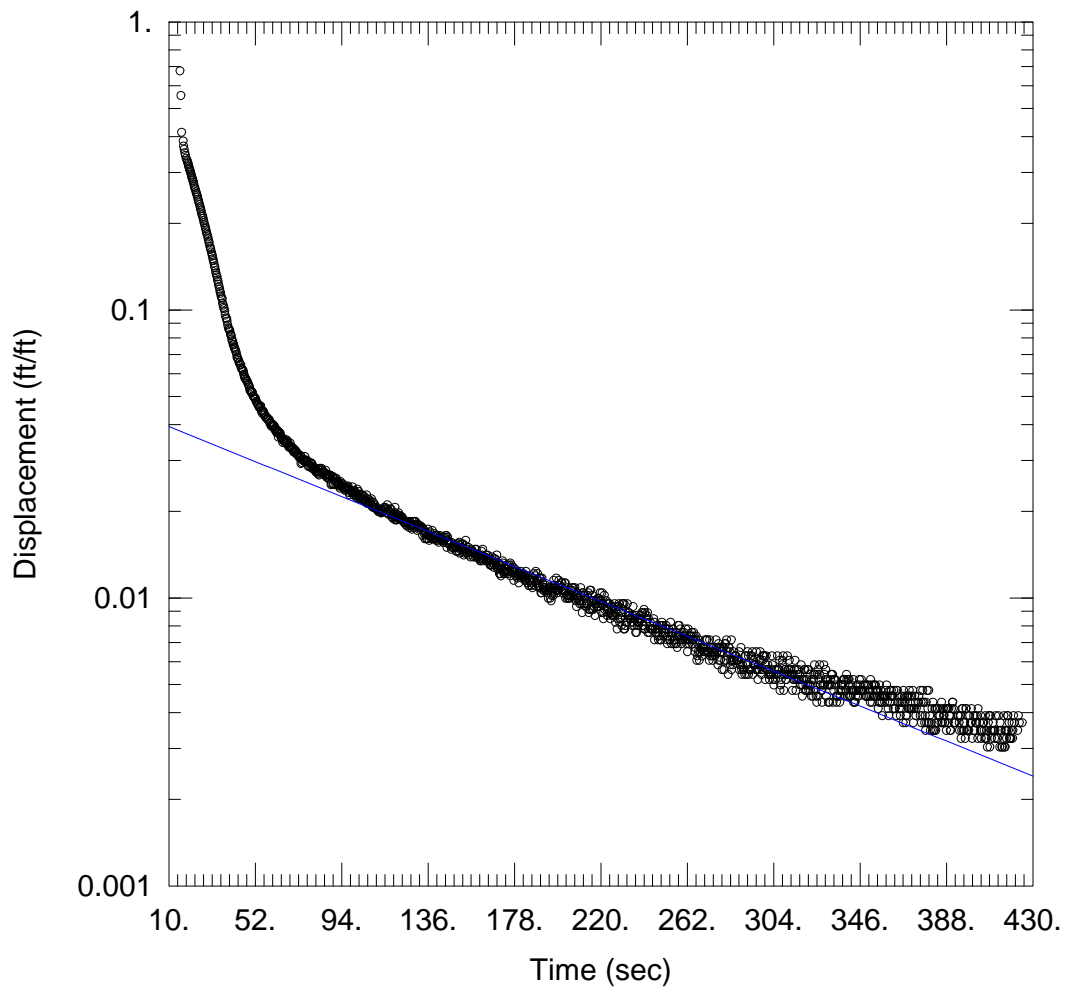
Initial Displacement: -4.616 ft  
Total Well Penetration Depth: 11.54 ft  
Casing Radius: 0.083 ft

Static Water Column Height: 11.54 ft  
Screen Length: 12. ft  
Wellbore Radius: 0.33 ft  
Gravel Pack Porosity: 0.5

SOLUTION

Aquifer Model: Unconfined  
K = 8.829E-6 ft/sec

Solution Method: Bower-Rice  
y0 = -1.725 ft



### SLUG OUT

Data Set: \...\MW-22.aqt  
Date: 10/31/13

Time: 16:02:12

### PROJECT INFORMATION

Company: Lu Engineers  
Client: City of Rochester  
Project: 4216  
Location: Orchard-Whitney  
Test Well: MW-22  
Test Date: 3/10/09

### AQUIFER DATA

Saturated Thickness: 11.25 ft

Anisotropy Ratio (Kz/Kr): 1.

### WELL DATA (MW-22)

Initial Displacement: -4.616 ft  
Total Well Penetration Depth: 10.99 ft  
Casing Radius: 0.083 ft

Static Water Column Height: 10.99 ft  
Screen Length: 12. ft  
Wellbore Radius: 0.33 ft  
Gravel Pack Porosity: 0.5

### SOLUTION

Aquifer Model: Unconfined  
K = 4.179E-5 ft/sec

Solution Method: Bower-Rice  
y0 = -0.1939 ft

CITY OF ROCHESTER – ORCHARD/WHITNEY ST. SITE

REMEDIAL INVESTIGATION REPORT

NYSDEC ERP SITE#E828123

HYDROGEOLOGICAL CALCULATIONS

HYDRAULIC CONDUCTIVITY (K) VALUES\*

- MW-9: 0.000007084 ft/sec
- MW-10: 0.000003736 ft/sec
- MW-14: 0.00001195 ft/sec
- MW-20: 0.000008829 ft/sec
- MW-22: 0.00004179 ft/sec  
0.00007339 ft/sec

AVERAGE K (for 5 wells tested) =  $0.00007339/5 = 0.0000147$  ft/sec =  $1.47 \times 10^{-5}$  ft/sec

HYDRAULIC GRADIENT CALCULATION (March 2009 data)

- MW-9 to MW-19:  $512.18-504.89 = 7.29$  ft / 485 ft = 0.015 ft/ft  
(maximum gradient, southwest to northeast across Site)
- MW-9 to MW-22:  $512.18-504.15 = 8.03$  ft / 538 ft = 0.015 ft/ft  
(maximum gradient between two wells slug tested, southwest to northeast across Site)

GROUNDWATER VELOCITY CALCULATION

- $V = K \times I/n$
- MW-9 to MW-19:  $1.47 \times 10^{-5}$  ft/sec (0.015 ft/ft / 0.25) =  $8.82 \times 10^{-7}$  ft/sec = 0.076 ft/day  
(using average K for Site, northeast to southwest across Site)
- MW-9 to MW-22:  $2.44 \times 10^{-5}$  ft/sec (0.015 ft/ft / 0.25) =  $1.46 \times 10^{-6}$  ft/sec = 0.126 ft/day  
(using average K of MW-9 and MW-22 combined)

\* Hydraulic Conductivity (K) values were determined by using AQTESOLV for Windows Standard 3.5

# Appendix G – Final Engineering Report

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[Digital Copy Only]

# Orchard/Whitney Site

MONROE COUNTY, NEW YORK

---

## Final Engineering Report

NYSDEC Site Number: E828123

**Prepared for:**



City of Rochester  
City Hall, Room 300B  
30 Church Street  
Rochester, NY 14614

**Prepared by:**



175 Sully's Trail, Suite 202  
Corporate Crossings Office Park  
Pittsford, New York 14534

---

**JANUARY 2014**

# CERTIFICATIONS

I, Robert Hutteman, am currently a registered professional engineer licensed by the State of New York, I had primary direct responsibility for implementation of the remedial program activities, and I certify that the Interim Remedial Measures Work Plan was implemented and that all construction activities were completed in substantial conformance with the Department-approved Remedial Investigation and Interim Remedial Measures Work Plan.


I certify that all documents generated in support of this report have been submitted in accordance with the DER's electronic submission protocols and have been accepted by the Department.

I certify that all data generated in support of this report have been submitted in accordance with the Department's electronic data deliverable and have been accepted by the Department.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Robert Hutteman, of Lu Engineers at 175 Sully's Trail, Pittsford, New York am certifying as Owner's Designated Site Representative for the site.

072062  
NYS Professional Engineer #

1-6-14  
Date

  
Signature





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## LIST OF ACRONYMS

<b>Acronym</b>	<b>Definition</b>
AOCs	Areas of Concern
bgs	below ground surface
BTEX	Benzene, Toluene, Ethylbenzene, Xylene
CAMP	Community Air Monitoring Plan
City	City of Rochester
DUSR	Data Usability Summary Report
EC	Engineering Control
FER	Final Engineering Report
ft	feet
HASP	Health and Safety Plan
IC	Institutional Controls
IRMs	Interim Remedial Measures
LEL	Lower Explosive Limit
MCPW	Monroe County Pure Waters
NYCRR	New York Code of Rules and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
OSHA	Occupational Safety and Health Administration
PID	Photoionization Detector
ppb	Parts per billion
PPE	Personal Protective Equipment
ppm	Parts per million
QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plan
RCRA	Resource Conservation and Recovery Act
RI	Remedial Investigation
SAC	State Assistance Contract
SCOs	Soil Cleanup Objectives
SDGs	Sample Delivery Groups
SMP	Site Management Plan

SVOCs	Semi-Volatile Organic Compounds
TCL	Target Contaminant List
TCLP	Toxicity Characteristic Leaching Procedure
USEPA	United States Environmental Protection Agency
USTs	Underground Storage Tanks
VCT	Vitrified Clay Tile
VOCs	Volatile Organic Compounds
XRF	X-Ray Florescence

# FINAL ENGINEERING REPORT

## 1.0 BACKGROUND AND SITE DESCRIPTION

The City of Rochester, Department of Environmental Services, Division of Environmental Quality (City) entered into a State Assistance Contract (SAC) with the New York State Department of Environmental Conservation (NYSDEC) in 2006, to investigate and remediate a 3.9-acre property located in the City of Rochester, New York.

The Site is located at 415 Orchard Street and 354 Whitney Street in the City of Rochester, Monroe County, New York and is identified as two parcels: Section 105.66 Block 3 Lots 23 and 24 on the City of Rochester Tax Map. The Site is situated on an approximately 3.9-acre area bounded by commercial buildings that front on Lyell Avenue to the north, a former railroad right-of-way to the south, Orchard Street to the east, and Whitney Street to the west (see Figure 1). The boundaries of the Site are fully described in Appendix A - Survey Map, Metes and Bounds.

Demolition of all structures on the 354 Whitney Street parcel was completed in 2008. The Whitney Street parcel is currently a fenced vacant lot covered primarily with concrete building slabs and building demolition debris. A large berm of brick, concrete, and building demolition debris is located on the western half of the southern edge of the Site. A smaller berm of similar material is also present along the western Site perimeter on Whitney Street.

A seven story brick and stone structure of approximately 371,600 square feet (ft) remains on the Orchard Street parcel (“High Rise”). The footprint of the 415 Orchard Street “High Rise” is in the process of being subdivided from the adjoining two parcels. The proposed subdivision is shown on the Site Survey Map (Appendix A). An adjacent, heavily dilapidated single-story structure on the 415 Orchard Street parcel (“Low Rise”) was demolished by the City in December 2009. Crushed masonry, brick, concrete and stone building demolition materials created during the demolition process are staged on-Site for future use during redevelopment.

The Site has undergone a series of environmental investigations since the late 1990s in order to assess Recognized Environmental Concerns at the Site. These investigations include:

- Draft Center City Industrial Park Facility Assessment, *Flint, Allen, White & Radley*, April 1999;
- United States Environmental Protection Agency (USEPA) Hazardous Substance Removal Action, 1999
- Phase I Environmental Site Assessment: 354 Whitney Street and 367, 370, 406, and 415 Orchard Streets, *Day Environmental, Inc.* December 2000;
- Pre-Demolition Asbestos Inspection of 354 Whitney Street Bldg 1A, *ENSR International*, August 2003;
- Pre-Demolition Asbestos Inspection of 354 Whitney Street Bldg 2/2A/ Brick Mill, *ENSR International*, August 2003; and
- Orchard-Whitney Targeted Site Assessment Report, *NYSDEC Region 8*, December 2006.

The presence of soil and groundwater contaminants at the Site was discovered as a result of environmental investigations by Flint, Allen, White & Radley, Day Environmental, Inc., and the NYSDEC. At the request of the NYSDEC, additional investigation work was conducted by Lu Engineers beginning in 2006 to define the nature and extent of accessible Site contamination. A comprehensive description of investigation work conducted by Lu Engineers' from 2006 to 2013 is provided in the *Site Investigation/Remedial Alternatives Report*, dated October 2013 and submitted under separate cover.

Previous environmental assessments and two phases of subsurface investigation conducted by Lu Engineers indicated the presence of contaminated soil and groundwater at the Site. The findings of the assessments and investigative work defined the nature and extent of contamination in the accessible areas of the Site, and identified a total of eight areas of concern (AOCs). The AOCs were identified as AOC-1 through AOC-8. The location of each AOC is illustrated on Figure 2. Investigation findings at three of the

eight AOCs warranted the execution of remedial efforts through a series of IRMs. A listing of the eight AOCs is provided below.

**AOC-1:** Underground Storage Tanks (USTs) (located on the west side of the 415 Orchard Street High-Rise)

**AOC-2:** Former Metal Plating Area (located immediately west of AOC-1)

**AOC-3:** Abandoned Hydraulic Lift (located in the north-central portion of the Whitney Street (open) parcel)

**AOC-4:** Former Gasoline Storage and Dispenser (located in the center of the Whitney Street Parcel)

**AOC-5:** Drain Systems (located beneath former buildings in the Whitney Street parcel)

**AOC-6:** Underground Tunnels and Buried Utilities

**AOC-7:** Former “Low-Rise” (footprint of former single-story building at 415 Orchard)

**AOC-8:** Former Coal Storage (located along southern Site perimeter)

A comprehensive description of each AOC is provided in the *Site Investigation/Remedial Alternatives Report*, dated January 2014 and submitted under separate cover.

An electronic copy of this Final Engineering Report (FER) with all supporting documentation is included as Appendix B.



## **2.0 SUMMARY OF SITE REMEDY**

### **2.1 Remedial Action Objectives**

The goal of the IRMs was to remove hazardous and non-hazardous materials that were considered to have the greatest potential for human exposure, as well as areas of known soil contamination, USTs, and an abandoned hydraulic vehicle lift that were potential contaminant sources to Site media.

Based on the results of the Remedial Investigation, the following Remedial Action Objectives (RAOs) were identified for this Site.

#### **2.1.1 Groundwater RAOs**

RAOs for Public Health Protection

- Prevent ingestion of groundwater containing contaminant levels exceeding drinking water standards.
- Prevent contact with, or inhalation of, volatiles emanating from contaminated groundwater.

RAOs for Environmental Protection

- Restore ground water aquifer, to the extent practicable, to pre-disposal/pre-release conditions.
- Prevent the discharge of contaminants to surface water.
- Remove the source of ground or surface water contamination.

#### **2.1.2 Soil RAOs**

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of or exposure to, contaminants volatilizing from contaminated soil.

## RAOs for Environmental Protection

- Prevent migration of contaminants that would result in groundwater or surface water contamination.

The City envisions future planned use of the Site to be for commercial purposes. Therefore, the NYSDEC SCOs reference in 6 New York Code of Rules and Regulations (NYCRR) Part 375 for Commercial Use and Protection of Groundwater will be used as guidance values for remediation at this Site.

## 2.2 Description of Selected Remedy

The *Site Investigation/Remedial Alternatives Report* provides a detailed evaluation of the remedial alternatives considered for the Site. The factors considered during the selection of the remedy are those listed in 6NYCRR 375-1.8. The following are the components of the selected remedy:

- IRM Removals;
- Institutional Controls;
- Engineering Controls; and
- Groundwater Monitoring.

This report details the completed IRM removals, which are one component of the final remedy. IRM removal areas were selected to address three areas of concern (AOC-1, AOC-2, and AOC-3) identified during the RI, as described below (see Figure 2 for respective locations of each IRM area).

AOC-1: USTs (located on the west side of the 415 Orchard Street High-Rise) included: removal and disposal of nine (9) USTs and 213.28 tons of associated non-hazardous petroleum-contaminated sand bedding material; 14.61 tons of hazardous lead-contaminated soil; 14,245 gallons of UST waste product; 1,100 gallons of UST cleanings and sludge; and treatment and on-Site disposal of 14,700 gallons of vault water.

AOC-2: Former Metal Plating Area (located immediately west of AOC-1); included excavation and disposal of a total of 127.05 tons of hazardous soil (Cr+6, Cd, As-

contaminated) and 533.65 tons of non-hazardous petroleum, Cr+6, cadmium, and arsenic-contaminated soil associated with the former metal plating area.

AOC-3: Abandoned Hydraulic Lift (located in the north-central portion of the 354 Whitney Street parcel); included removal and disposal of an abandoned hydraulic lift and approximately 5 tons of petroleum-impacted soil.

Figure 2 identifies the location of each IRM area. A complete discussion of work completed during each IRM is provided in Section 3.0.

### **3.0 DESCRIPTION OF INTERIM REMEDIAL MEASURES**

IRM removal activities completed at the Site were conducted in accordance with the NYSDEC-approved *Remedial Investigation and Interim Remedial Measures Work Plan*, dated April 2011, and the *Remedial Investigation and Interim Remedial Measures Work Plan Addendum*, dated April 2011, by Lu Engineers. Significant deviations from the work plan are noted in the sections below. A photo log of the work completed is included as Appendix B.

#### **3.1 AOC-1: UST Removal Activities**

The area identified as AOC-1 is located immediately adjacent to the west end of the 415 Orchard Street “High Rise” building, as illustrated on Figure 2. This initial phase of IRM work conducted in 2011 involved a detailed evaluation of AOC-1 followed by remedial actions, including the following tasks:

- Concrete slab demolition to facilitate UST system exposure
- UST waste product sampling, characterization and proper disposal
- Removal, inspection and disposal of nine USTs

##### **3.1.1 UST Evaluation**

The City of Rochester selected TREC Environmental, Inc. (TREC), through a public bidding process, to conduct UST evaluations, removals and disposal in AOC-1 (Figure 2). The UST evaluation and removal IRM was completed between April 14, 2011 and June 1, 2011 with oversight provided by Lu Engineers. Details of the UST evaluation are provided in the *Site Investigation/Remedial Alternatives Report*, dated December 2013.

Once TREC removed the one foot thick concrete cap from above the UST vaults, it was evident that the UST closure process required modification from the approach proposed in Section 3.2.6 of the approved Work Plan. It was concluded that the tanks were filled with sand in place. However, after the concrete cap was removed the sand was determined to be an insulating layer within the vault. Each UST was subsequently

opened and it was evident that the tanks contained product. The contents of each UST were sampled for waste characterization purposes to facilitate proper disposal. A summary of the details pertaining to each UST is presented in the following table.

**Table 1 – USTs**

TANK NUMBER	CAPACITY	CONTENTS	TYPE	LOCATION
1	1,600 Gallons	Fuel Oil Mix (full)	Single-Walled Steel	Sand Bedding Within Concrete Vault 1
2	1,600 Gallons	Fuel Oil Mix (full)	Single-Walled Steel	Sand Bedding Within Concrete Vault 1
3	1,600 Gallons	Fuel Oil Mix (full)	Single-Walled Steel	Sand Bedding Within Concrete Vault 1
4	1,600 Gallons	Gasoline (3/4 full with 3-4" Water)	Single-Walled Steel	Sand Bedding Within Concrete Vault 1
5	1,600 Gallons	Mineral Spirits (1/2 full, < 1" Product)	Single-Walled Steel	Sand Bedding Within Concrete Vault 1
6	700 Gallons +/-	Water (1/3 full, Water Only)	Single-Walled Steel	Sand Bedding Within Concrete Vault 2 (earthen floor)
7	1,100 Gallons +/-	Mineral Spirits (3/4 full)	Single-Walled Steel	Sand Bedding Within Stone & Mortar Vault 3
8	1,100 Gallons +/-	Mineral Spirits (3/4 full)	Single-Walled Steel	Sand Bedding Within Stone & Mortar Vault 3
9	10,000 Gallons	#2 Fuel Oil (3/4 full, < 1" Product)	Single-Walled Steel	Sand Bedding Within Concrete Vault 4, Covered by Reinforced Concrete

A total of eighteen (18) waste characterization samples were collected during IRM completed at AOC-1. Following completion of the waste product sampling in each UST, the tanks were temporarily covered with steel sheeting and concrete demolition debris to minimize potential safety hazards and the potential for contaminating site media while awaiting sample results. The revised remedial approach included the following steps:

- Exposure of re-covered tanks for access
- Removal and disposal of tank contents
- Removal of tanks and piping
- Removal of petroleum-contaminated sand bedding material
- Vault dewatering and inspection
- Vault backfilling

### **3.1.2 Tank Product Removal, Cleaning and Disposal**

On May 4, 2011 the UST vault system was uncovered to facilitate waste product disposal and to allow access for the tank cleaning and removal process. The demolished concrete material was set aside for possible re-use as backfill in areas of the site as-needed. Eggan Excavating and Equipment Company, Inc. (Eggan) mobilized an appropriately permitted vacuum truck to the site and removed waste product from USTs 1, 2, 3, 7, 8, and 9, totaling approximately 6,850 gallons. On May 5, 2011, the remainder of the product and sludge in each tank was removed by Eggan in two (2) vacuum trucks totaling approximately 7,395 gallons (1,175 gallons of gas/water from tank 4 and 6,220 gallons of fuel oil, mineral spirits & water from the remaining eight tanks). Table 1 indicates what type of waste product was contained within each tank.

The total volume of waste product liquids and sludge removed from the tanks prior to cleaning was 14,245 gallons. The non-hazardous waste product was transported to Industrial Oil Tank Service Tank Corp. in Oriskany, New York for proper disposal.

Following the waste product removal and disposal, TREC steam-cleaned the interior of the tanks with water to ensure they were suitable for proper removal and disposal. The tank cleaning process generated an additional 1,110 gallons of residual

tank sludge waste. On May 6, 2011, TREC hired NYETECH, Inc. who mobilized a vacuum truck to the Site to remove the tank cleaning waste liquid. NYETECH transported and disposed of the waste at Environmental & Industrial Contracting in Niagara Falls, New York. The total volume of tank waste product removed and disposed of, including tank cleaning fluids, was approximately 15,360 gallons. Waste disposal manifests from the product removal are included in Appendix C.

**3.1.3 Tank Bedding Material and Concrete Tank Vaults**

Figure 3 illustrates the layout of the UST vault system. Once the USTs were exposed it was evident that they were surrounded by and covered with sand bedding material. TREC partially removed the sand from the top and upper sides of the tanks to facilitate the tank removal process and staged the material on poly sheeting on the adjacent concrete slab (former plating area).

During the tank cleaning process rust holes were observed in several tanks which had leaked and subsequently impacted the surrounding sand bedding material. Elevated PID readings were observed during VOC monitoring of the removal and staging of the upper sand bedding material from each tank. At a depth of three (3) feet below the tops of tanks 1-5, the sand bedding material was discolored grey and had a strong petroleum-type odor. The following table presents the PID readings observed during the removal of the sand UST bedding material.

**Table 2 - AOC-1 PID Screening Results of Sand Bedding**

UST Vault	PID Readings (ppm)
Tanks 1 through 5	10 to 1,109
Tank 6	0 to 65
Tanks 7 and 8	0 to 46
Tank 9	0 to 180

Nine (9) USTs were contained within a series of four (4) concrete vaults. The overall footprint of the vault system was approximately 80 feet long by 12 feet wide (see Figure 3). The following is a summary of the interior vault dimensions and tanks formerly contained within each vault.

- Tank Vault 1: 33 feet long x 11.5 feet wide x 9 feet deep; contained Tanks 1-5; constructed entirely of concrete with steel I-beam reinforcement at grade
- Tank Vault 2: 4 feet long x 11.5 feet wide x 5 feet deep; contained Tank 6; constructed of combination of parged stone & mortar and concrete walls with earthen floor
- Tank Vault 3: 9.5 feet long x 11.5 feet wide x 8 feet deep; contained Tanks 7-8; constructed of parged stone & mortar
- Tank Vault 4: 31 feet long x 11.5 feet wide x 12 feet deep; contained Tank 9; constructed of parged stone & mortar

#### **3.1.4 Removal of Piping and Tanks**

On May 9, 2011, tank piping and associated connections were checked for the presence of petroleum and/or mineral spirits. 3-inch and 2-inch diameter pipes connected to Tank 9 were mounted to the west wall of the vault system and extended south through the wall of the Tank 1-5 vault. One-inch and ¾-inch diameter pipes were connected to the remaining tanks. With the exception of Tank 5, all tank-related piping was void of liquid contents, eliminating the need for vacuum extraction methods to be employed. Less than one gallon of petroleum product contained within the piping attached to the bottom of Tank 5 was drained into the already impacted sand bedding material at the time of removal. All piping and connections were evaluated and removed by non-sparking methods prior to any attempt to remove the tanks from the vaults. Air space within the vaults was continuously monitored for the presence of volatile organic vapors. Based on observed VOC and particulate air monitoring results being below the action levels established in the CAMP, a ventilation fan was not required to be used within the vault spaces.



On May 9, 2011, TREC used dry ice to inert each tank prior to removal. The atmosphere within each tank was checked with an explosimeter prior to continuing with the tank closure process. The City of Rochester Fire Marshall was on site to supervise the tank inerting and removal process. The orientation of each tank prior to removal is illustrated on Figure 3. Once the % O<sub>2</sub> and % LEL were observed within the acceptable range inside each tank, Tanks 1-6 were removed from the vaults and disposed of as scrap metal. On May 10, 2011 the remaining Tanks 7-9 were removed and disposed of as scrap metal. Each tank shell was carefully removed with a chain and excavator, inspected for holes, photographed and placed on a trailer for transport to Genesee Scrap and Tin Bailing, Inc. for recycling.

The following table summarizes the general tank conditions observed at the time of removal.

**Table 3 - UST Condition Summary**

Tank Number	Condition Upon Removal/Notes
1	Appeared free of rust holes, good condition
2	Appeared free of rust holes, good condition
3	Appeared free of rust holes, good condition
4	Several significant rust holes in tank bottom, poor condition
5	Appeared free of rust holes, good condition, 1" pipe attached to bottom
6	Several significant rust holes in tank bottom, poor condition
7	Several significant rust holes in tank bottom, poor condition
8	Appeared free of rust holes, good condition
9	Appeared free of rust holes, good condition

### **3.1.5 Tank Vault Dewatering, Treatment, and Disposal**

On May 16, 2011 NYETECH mobilized a vacuum truck to partially de-water the storm water that had collected within Vault 1 (Tanks 1-5) and combined storm water and ground water that had collected in Vault 4 (Tank 9). A total of 2,703 gallons of petroleum-impacted water was removed from the vaults and sent to the Industrial Oil Tank Service Tank Corp. in Oriskany, New York for disposal as a non-hazardous liquid. Disposal manifests are provided in Appendix D.

During the removal of the Tank 9 bedding material, an unknown pipe connection that penetrated the base of the common wall located between the north end of the tank 9 vault and the east-west oriented subsurface utility tunnel system, was damaged by the excavator bucket. The pipe, approximately 2-inches in diameter, was not visible during the removal of the last few buckets of sand bedding. Once damaged, water contained within the tunnel system infiltrated into the tank vault until the water levels equilibrated. Approximately 11,500 gallons of water infiltrated Tank 9.

Once the water level stabilized TREC placed a steel plate, oriented vertically, in front of the penetration and mobilized a concrete truck from Rochester Concrete & Block that poured 10 cubic yards of concrete between the plate and the northern vault wall, forming a permanent seal around the pipe penetration. Once the concrete cured, no further infiltration was observed from the tunnel.

To complete the dewatering process of the tank vaults, TREC mobilized a 21,000-gallon and an 8,000-gallon frac tank to the site. The remaining vault water, the majority of which was contained within the Tank 9 vault, was pumped into the 21,000 gallon tank, where it was sampled for waste characterization parameters. The Tank 9 vault water was found to contain hexavalent chromium above applicable standards. This was likely due to seepage of the impacted plating area groundwater through the western vault wall. The plating area groundwater contained hexavalent chromium contaminated water at levels above applicable standards. Once characterized, TREC treated the water on site by running it through two (2) 55-gallon activated carbon filtration drums. Once treated, it was temporarily transferred to the 8,000 gallon tank in stages for additional sampling and eventual discharge per the requirements of Monroe County Division of Pure Waters

(MCPW). Lu Engineers secured a sewer discharge permit from the MCPW to discharge the water to the City sewer system located on Orchard Street. Post-treatment water sample results were within the acceptable thresholds established by MCPW which allowed for discharge of the water. TREC initiated the discharge on June 9, 2011.

Following the initial dewatering by vacuum truck, the total volume of water removed from the vaults, treated and discharged on site was approximately 12,000 gallons, for an IRM total of approximately 14,700 gallons.

### **3.1.6 Soil and Tank Bedding Material Removal, Sampling and Disposal**

The sand tank bedding material was sampled from each of the four vaults and analyzed for the following waste characterization parameters to facilitate the disposal process:

- Toxicity Characteristic Leaching Procedure (TCLP) for benzene, toluene, ethylbenzene, and xylene (BTEX) VOCs EPA Method 8260B
- Flashpoint
- pH
- TCLP lead & chromium

The bedding material was removed from each vault and staged on 6-mil poly sheeting, pending waste characterization results and eventual disposal. The staging area was located immediately east of the Vault 4 (Tank 9) and constructed on a small berm that promoted drainage of any free liquid still contained in the bedding material back into the vault. During sand removal, tank cradles were uncovered from beneath each former tank location. The tanks were not strapped down and were held in place by the sand bedding material.

Waste characterization samples collected of the sand tank bedding material indicated that it was non-hazardous for the parameters tested. On May 20, 2011, TREC loaded a total of 213.28 tons of non-hazardous, petroleum contaminated vault sand bedding material into dump trucks. The material was transported and disposed of by

Silvarole Trucking, Inc. at the Mill Seat Landfill in Bergen, New York. Copies of the waste disposal manifests are provided in Appendix D.

The vaults had concrete or paved floors, with the exception of Vault 2 (Tank 6) which had an earthen floor. The Vault 2 (Tank 6) floor revealed grey staining, a petroleum-type odor, and elevated PID readings up to 500 ppm during soil removal. Petroleum-impacted soil was removed from the vault floor to a depth of approximately 9.5 feet bgs. The depth of 9.5 feet was the maximum reach of the mini-excavator that was used. The vault was too narrow for the width of the full-sized excavator bucket, thereby limiting the ability to remove additional impacted soil. The excavated soil was temporarily staged on poly sheeting and covered, pending waste characterization for the following parameters:

- TCLP BTEX VOCs (8260B)
- Flashpoint
- pH
- TCLP Lead and Chromium

The waste characterization sample failed TCLP for chromium and was determined to be a characteristic hazardous waste for disposal purposes. A total of 14.6 tons of hazardous soil from the Vault 2 (Tank 6) floor was loaded into an appropriately permitted truck and transported off-site by Price Trucking Corp. to CWM facility in Niagara Falls, New York. Copies of the waste disposal manifests are provided in Appendix D. Copies of the analytical results are included in Appendix E.

### **3.1.7 Vault Inspection**

Once all bedding material and water were removed, each vault was visually inspected for overall condition. The location and layout of the vault system is illustrated on Figure 3. The following is a list of the general conditions observed and details specific to each vault structure.

#### Vault 1 (Tanks 1-5):

- Appeared to be in good condition with no significant cracking or leaking in the walls or floor.

- Pipe penetrations:

A former 6"-diameter water line and former 3"-diameter fuel supply line (supplied 10,000 gal tank) which were cut off flush in the south wall of the vault. 6" pipe was 5.7 ft below ground surface (bgs) and 3" pipe was 1 ft bgs.; single 1"-diameter and 2"-diameter lines (connected to tank system) penetrated west wall of vault at north end, 1 ft bgs.

#### Vault 2 (Tank 6):

- Walls appeared to be in good condition with no visual cracking; west wall extended approximately 4 ft bgs where it ended and was underlain by soil; east side earthen floor with petroleum impacts (see Section 2.6 for details)

- Pipe penetrations:

6"-diameter water line penetrated earthen portion of west sidewall approx. 5 ft bgs (concrete portion of west wall extended 4 ft bgs) and east concrete sidewall at 5 ft bgs; same 3" former fuel supply line penetrated north & south sidewalls 1 ft bgs (pipe severed on either side of walls)

- A clay tile crock (approx. 8"-diameter) was mounted to east wall and was removed with the soil. A 4"-diameter clay tile line ran from crock through the east vault wall, approx. 2 ft bgs.

#### Vault 3 (Tanks 7-8):

- Appeared to be in excellent condition with no significant cracking or leaking in the walls or floor.
- Pipe penetrations: None

Vault 4 (Tank 9):

- Parged walls and floor appeared to be in good condition with no significant cracking; slow seep through west wall.

- Pipe penetrations:

A 4” pipe penetrated east wall (approx. 10 ft below grade), TREC plugged this pipe prior to backfilling. An approximate 2”-diameter pipe penetrated the north vault wall near the floor of the vault and connected to the utility tunnel system immediately north of the vault; this pipe was sealed with a large mass (10 cubic yards) of concrete. A utility plenum was located at the north end and top of west wall at 1 ft below grade.

**3.1.8 Tank Vault Backfilling and Restoration**

In an effort to minimize the potential for contaminant migration through groundwater from the plating area into any of the tank vaults, each vault was initially backfilled with flowable fill to approximately 5.5 to 6 feet below grade since the depth to static groundwater in the adjacent former plating area (AOC-2) was approximately 6.5 feet below grade. Thirteen (13) loads of flowable fill were placed in the vaults by a concrete truck, totaling 130 cubic yards. Once the flowable fill was placed, TREC backfilled the remaining vault void spaces to existing grade using a front-end loader and select uncontaminated fill materials from the berm located along the southwestern portion of the Site. Final grading of the backfill was accomplished using the front-end loader bucket.

Deviations from the RI and IRM Work Plan are summarized in the following table:

**Table 4 - AOC-1 Work Plan Deviations**

<b>Work Plan Section</b>	<b>Action in Work Plan</b>	<b>Revised Plan/Action</b>	<b>Justification</b>
3.2.6 – Underground Storage Tank Closures	Because it is assumed the USTs are filled with sand, USTs will be opened with a	USTs were found to contain free product and no sand; tank contents were removed,	Tank contents differed from what they were assumed to be thus warranting a different

Work Plan Section	Action in Work Plan	Revised Plan/Action	Justification
	“nibbler” or equivalent hydraulic cutting tool.	transported and disposed of by vacuum trucks. No cutting was necessary.	remedial approach.
3.2.6 – Underground Storage Tank Closures	Lu and City will obtain a variance for partial demolition of the tanks On-Site to facilitate access to tank contents for removal and disposal.	Acquiring a variance was not required.	Partial tank demolition was not necessary to access contents for removal and disposal.
3.2.6 – Underground Storage Tank Closures	Sand contained in USTs will be live-loaded into trucks for immediate transportation and off-Site disposal	Free product contained within each tank was sampled for waste characterization parameters, removed, transported and disposed of off-Site by vacuum trucks.	Upon being exposed, tanks were found to not contain sand.

### 3.2 AOC-2: Former Metal Plating Area Investigation and Soil Removal Activities

The AOC-2 IRM was conducted to eliminate potential sources of hazardous and non-hazardous subsurface soil and groundwater contamination associated with the former metal plating area (plating area), including petroleum contamination associated with the previously described former USTs. A detailed investigation of the plating area was conducted as described in the RI report. IRM activities were conducted in accordance with the approved *Remedial Investigation and Interim Remedial Measures Work Plan*.

A total of eighteen (18) waste characterization samples were collected as part of the remedial effort. Figure 4 illustrates all features associated with this AOC.

As previously described in Section 3.2.4, OPTECH, an appropriately qualified contractor, was contracted to conduct all excavation, remedial treatment and Site restoration activities under the direction of Lu Engineers and the City.

### **3.2.1 Plating Area Source Removal Background**

Initial soil and groundwater investigation conducted in 2008 in the vicinity of AOC-2 indicated the presence of high concentrations of hexavalent chromium (Cr+6) exceeding guidance and regulatory criteria by several orders of magnitude. The elevated chromium concentration in soil boring SB-19 (584 mg/kg) and elevated concentration observed in groundwater in MW-17 (32,300 ug/l) indicated the need for further delineation of the chromium levels in soil and groundwater in this area. It was concluded that unidentified, more highly contaminated soils in this area may have been acting as a source for the observed groundwater contamination. IRM efforts in 2008 and 2009 also indicated the likely presence of arsenic-contaminated soils in this portion of the Site.

In July 2011, a high-resolution soil boring program was completed within the plating area at the Site. Extensive sampling and testing confirmed the presence of soils which exceeded the NYSDEC Part 375 Restricted Commercial SCOs for arsenic, cadmium and chromium (16 ppm, 9.3 ppm, and 400 ppm, respectively), which required excavation and disposal. The goal of this IRM was to remove a sufficient volume of the arsenic, cadmium and chromium impacted soils identified during the investigation to meet the NYSDEC Part 375 Restricted Commercial Use criteria. NYSDEC also requested the evaluation of the Protection of Groundwater standard for Cr+6 (19 mg/kg) as a condition of the approval of the RI and IRM Work Plans.

The lateral extent of the former Plating Area is defined by concrete walls extending to various depths below grade. Only soil readily accessible by excavation equipment within the Plating Area was targeted for removal. Excavation work outside the footprint of the Plating Area was not conducted. Lu Engineers personnel provided assistance during excavation as necessary to verify that appropriate excavation depths were attained. The desired depths of excavation were based on investigation sample results and screening results from a Niton X-Ray Fluorescence (XRF) field instrument.

The ground surface in the former plating area was covered by a concrete slab. In order to allow access to the contaminated soils and to initiate soil removal, OPTECH removed the concrete plating area slab with a hoe-ram and excavator and staged the crushed concrete at the most southwest end of the plating area. This portion of the plating



area was not targeted for soil removal. Appropriate CAMP monitoring was conducted continuously during this task.

### **3.2.2 Soil Removal**

Data obtained during the detailed plating area evaluation was used to focus excavation activities on the areas and depths where the highest contaminant concentrations were identified. OPTECH initiated soil removal in the southeast corner of the plating area based on a 10-foot grid system. Soils exhibiting XRF readings exceeding 400 ppm (or equivalent) for chromium, 16 ppm for arsenic and 9.3 ppm for cadmium were removed and staged for waste characterization sampling, classification and eventual disposal.

During removal of source area soils, excavated materials and the excavation floor and sidewalls were examined for physical evidence of contamination including staining and odors, and screened with a PID and Niton XRF instrument for VOC and metal concentrations. Screening results were recorded on field logs. The excavation sidewalls and floor were screened consistently throughout the soil removal process to assist in appropriate segregation of staged soil piles prior to disposal. Laboratory waste characterization sample results from the staged soil piles were found to typically exhibit significantly lower contaminant concentrations than the XRF instrument screening concentrations observed and recorded in the field.

Soil was initially removed from east to west and then from south to north within the footprint of the plating area. A small rectangular area of soil in the eastern-central portion of the plating area was left in place, as indicated on Figure 4. This material was left intact based on field observations, including PID and XRF screening results, and confirmatory soil sample results (OW-PA-SWC-6 and OW-PA-SWC-12).

The targeted depths of excavation throughout the soil removal area footprint were based on the previously identified and interpolated contaminant concentrations plotted on grid-based mapping used in the field. The final dimensional area of the excavation measured approximately 67 feet long (south to north) by 35 feet wide (east to west). The vertical extent of contaminated soil requiring removal and off-site disposal varied

throughout the plating area but ranged between four (4) feet at the southern end and fourteen (14) feet below grade in the northeastern portion of the removal area. Soil types were variable, but included sand, silt and gravel with occasional clay lenses. Fill soils across the plating area extended from the ground surface to depths ranging between four (4) and eight (8) feet bgs. The fill soils were underlain by what appeared to be a native silt and clay horizon.

During soil removal in the vicinity of plating area wells PA-10 and PA-14, elevated PID readings, discolored soil and petroleum-type odors were observed. Elevated VOC concentrations were measured beginning at a depth of approximately five (5) feet. Initial PID readings reached 90 ppm at this depth. Soils in the northeastern half of the excavation exhibited elevated PID readings ranging from 25 to 325 ppm within the six (6) to twelve (12) foot bgs depth interval. Once the maximum depth of fourteen (14) feet was encountered, peak PID readings fell to 12.4 ppm and petroleum odors were faint. During soil removal in this area a light sheen was observed on the groundwater surface, but no free or measurable product was observed. It is noted that the western concrete wall of Vault 2 (Tank 6) extended five (5) feet bgs, the depth at which petroleum impacts in the Plating Area were initially observed.

Sub-slab piping and drainage structures were investigated and removed to the extent possible during the soil removal. An 8-inch diameter cast iron pipe was uncovered and removed from the center of the excavation at a depth of approximately 3.5 feet bgs. No waste contents or elevated PID readings were found within the pipe and it is unclear as to its former use. Seven ten-foot long sections of pipe were staged on the ground surface immediately west of the plating area. A six-inch diameter vitrified clay tile (VCT) pipe ran parallel to the cast iron pipe, approximately two feet east, and at the same approximate depth. This pipe featured two drainage crocks which were in-line with the pipe and filled with sediment at the time of discovery. The sediments were generally dark brown to black but also had a green-yellow discoloration to them. The crocks were sampled, temporarily placed in a 55-gallon drum and later added to the hazardous soil pile for disposal. These features are illustrated on Figure 4.

Several large blocks of concrete, measuring approximately four foot square, were uncovered on the west side of the plating area which were likely former support structures for large machinery. One block was visibly stained yellow-green, indicative of Cr<sup>+6</sup> contamination. OPTECH mobilized a small hoe-ram to the Site and broke the block into small pieces in order to determine the depth of penetration of impacts to the concrete. The block was significantly pulverized before the staining was no longer apparent. The concrete was sampled (OW-PA-Concrete-1) and found to be below Commercial SCOs for hazardous waste levels of metals contaminants. The stained portion of the broken concrete was disposed of with the non-hazardous soil.

### 3.2.3 Soil Pile Staging, Sampling and Disposal

Excavated soils that met Commercial Use SCOs as identified by XRF field screening results were stockpiled on poly sheeting east of the plating area. Soils were sampled for waste characterization to determine final disposition. Soils meeting Commercial Use SCOs were reused as backfill material within the excavation. Soils exhibiting evidence of contamination (XRF readings >400 ppm for chromium and >16 ppm for arsenic) were excavated and staged in eleven (11) separate piles on poly sheeting in a designated area of the site. Soil piles were segregated based on the depth of soil removal, generally in two foot vertical increments (0-2', 2-4', etc.). The following table summarizes the analytical parameters that each soil pile was tested for to determine the waste classification (hazardous or non-hazardous), for disposal. Analytical data is provided in Appendix D of this report.

**Table 5 - AOC-2 Waste Characterization Results**

<b>SOIL PILE / WASTE SAMPLE I.D.</b>	<b>ANALYTICAL PARAMETERS TESTED</b>	<b>HAZARDOUS OR NON- HAZARDOUS RESULTS</b>
Soil Pile 1A	RCRA metals, TCLP Cd	NON-HAZARDOUS
Soil Pile 1B	RCRA metals	NON-HAZARDOUS
Soil Pile 2	RCRA metals, TCLP Cd	NON-HAZARDOUS
Soil Pile 3A	RCRA metals, TCLP Cr	HAZARDOUS (for Cr <sup>+6</sup> )
Soil Pile 3B	RCRA metals	NON-HAZARDOUS
Soil Pile 4	RCRA metals, TCLP As & Cd, Cr	HAZARDOUS (for Cd)
Soil Pile 5	RCRA metals, TCLP Cd, Cr	NON-HAZARDOUS

<b>SOIL PILE / WASTE SAMPLE I.D.</b>	<b>ANALYTICAL PARAMETERS TESTED</b>	<b>HAZARDOUS OR NON- HAZARDOUS RESULTS</b>
Soil Pile 6	RCRA metals, TCLP Cr	NON-HAZARDOUS
Soil Pile 7	TCLP RCRA metals, TCLP Cd	NON-HAZARDOUS
Soil Pile 8A	Total VOCs, SVOCs B/N, TCLP RCRA metals, PCBs, flashpoint, pH	NON-HAZARDOUS
Soil Pile 8B	TCL VOCs, TCLP RCRA metals, flashpoint	NON-HAZARDOUS
OW-PA-CROCK CONTENTS	TCL VOCs, TCLP RCRA metals, PCBs	NON-HAZARDOUS
OW-PA-Concrete-1	RCRA metals	NON-HAZARDOUS

OPTECH contracted with Ricelli Enterprises, an appropriately permitted transporter, to transport a total of 533.65 tons of non-hazardous soil, for disposal at Mill Seat Landfill in Bergen, New York. The non-hazardous soil was shipped off-Site on April 6, 2012 and April 16, 2012 and included all soil piles with the exception of Soil Pile 3A and Soil Pile 4 which were determined to be hazardous. OPTECH contracted Page E.T.C. Inc. to transport a total of 127.05 tons of hazardous soil to CWM Chemical Services Inc. landfill in Model City, New York. Hazardous soil was transported from the Site on April 16, 2012 and April 20, 2012. As outlined in the RI and IRM Work Plan, all trucks were tarped and dry decontaminated prior to leaving the Site.

### **3.2.4 Excavation Groundwater**

De-watering of the excavation was anticipated as a result of the relatively shallow static groundwater depth. However, careful planning around seasonal weather and favorable groundwater conditions allowed for the removal of affected soils without requiring groundwater removal or disposal. Groundwater was encountered at a depth of approximately seven (7) feet bgs during the soil removal activity. Throughout the soil removal phase, excavation areas that received favorable confirmatory soil sample results were immediately backfilled to help minimize the necessity for de-watering. Because groundwater was manageable during soil removal due to a slow rate of infiltration,

backfilling was conducted concurrently with soil removal was in progress elsewhere in the excavation.

Approximately 2 feet of groundwater collected in the floor of the deepest area of the excavation, located in the northeastern portion of the plating area. Approximately 105 tons of imported clean 2"-minus stone was placed in the base of the excavation in all areas where 2"-diameter PVC backfilled wells were installed, including the entire northern portion of the excavation. The stone ranged from 4 to 5 feet in thickness. The high permeability of the stone further precluded the need to dewater the excavation.

### **3.2.5 Well Installations, Remedial Solution Application, Backfilling, Site Restoration**

During soil excavation, eight (8) miniwells were removed and disposed of with the contaminated soil. These miniwells included: PA-08S, PA-08D, PA-09, PA-10S, PA-10D, PA-12, PA-13 and PA-14. Prior to backfilling with on-site fill materials, and seven (7) back-filled wells were installed by OPTECH as replacements to allow access to groundwater for monitoring and introduction of remedial agents, as necessary. The wells were constructed of 2-inch diameter PVC with 5-foot or 10-foot slotted screen intervals (depending on total depth) and solid risers to grade. The wells were installed to total depths ranging from 10 to 13 feet below grade. The backfilled wells maintained the same well designations as the wells they replaced with the exception of the addition of SB-27. Well locations are illustrated on Figure 4.

105 tons of clean washed stone (2"-minus) was transported to the Site from an approved outside source, and placed on the bottom of the excavation around each well screen. The stone was intended to act as a filter mechanism for the backfilled wells. Approximately 5 feet of stone was placed at each well. Stone was also placed in the entire northern portion of the excavation which was excavated to an average total depth of approximately 13 feet bgs.

Hexavalent chromium is known to be highly soluble in water. Injection of a carbohydrate solution such as diluted molasses can promote the in situ microbial reduction of  $\text{Cr}^{+6}$  to  $\text{Cr}^{+3}$  (Suthersan, 1997). The carbohydrates contained in molasses, consist mostly of sucrose, and are readily degraded by the heterotrophic microorganisms

present in the groundwater aquifer, which depleted all the available dissolved oxygen present, leading to the development of reducing conditions. The primary end product of the  $\text{Cr}^{+6}$  to  $\text{Cr}^{+3}$  reduction process is  $\text{Cr}(\text{OH})_3$ , a form of  $\text{Cr}^{+3}$ , which readily precipitates out of solution under alkaline to moderately acidic conditions.  $\text{Cr}(\text{OH})_3$  precipitate is essentially an insoluble, stable precipitate, immobilized in the soil matrix of the aquifer (Nyer and Suthersan, 1996).

OPTECH mobilized a 55-gallon drum of food-grade molasses to the site to serve as an in-situ remedial agent. Approximately 300 gallons of a 5-10% molasses and water solution was applied by spraying it onto the exposed excavation sidewalls and floor prior to backfilling. The solution was applied by a gasoline-powered pump system attached to a hose. The goal of the molasses application was to create reducing conditions at the limits of the excavation to promote the reduction of residual  $\text{Cr}^{+6}$  to  $\text{Cr}^{+3}$ .

The clean stone was overlain by staged soil from the excavation area that did not require disposal and uncontaminated project-derived crushed building demolition debris generated from previous work. These wells were installed for monitoring purposes and to potentially act as a mechanism to introduce molasses or other remedial agents for any future remedial purposes.

A backhoe was used to complete the final grading of the backfill material in the former plating area. The entire backfilled area was back-bladed with the front backhoe bucket in an effort to restore the area to an elevation indicative of pre-remedial conditions.

### **3.2.6 Chimney Base Description and Sampling**

Features associated with AOC-2 included the exposed concrete base of the former smoke stack (herein referred to as the “chimney base”). The chimney base is located immediately adjacent to the northwest corner of the plating area (see Figure 3). The concrete chimney base is measured at twelve (12) feet in diameter and twelve (12) feet below grade. Based on the observations from soil boring PA-6, which is proximate to the chimney base, it appears that the chimney base footer rests on the bedrock surface, at approximately 16.5 feet below ground.

At the time of investigation, the chimney base was approximately three-quarters full of building demolition debris (wood, brick and concrete), storm runoff, and a minor amount of ash material. The majority of the ash contained in the chimney was disposed of in 2009 as part of the demolition of 354 Whitney Street. Representative samples of the solid and liquid contained within the structure were collected for proper waste characterization and disposal purposes. Analytical results indicated that the materials contained in the chimney were non-hazardous. Analytical data is provided in Appendix E. Figure 4 illustrates the location of this feature.

#### Chimney Base Cleaning and Backfilling

On March 26, 2012, OPTECH mobilized to the Site and began remedial activity at the former chimney base. Preparations included construction of a double poly sheeting-lined staging pad located adjacent to the chimney base which allowed free liquid to drain back into the chimney base as saturated solids were removed. OPTECH used an excavator to remove all of the solid contents contained within the chimney base. Once removed, a representative soil/ash sample (OW-chimney ash2) was collected for waste characterization purposes and analyzed for RCRA metals, pH and corrosivity. The solids primarily consisted of building demolition debris that fell into the pit when the 354 Whitney Street building was demolished. These solids were combined with the previously described non-hazardous soil piles that were removed from AOC-2 for off-Site disposal at the Mill Seat Landfill in Bergen, New York. Approximately 50 tons of waste solids were removed from the chimney base and disposed of with the non-hazardous plating area soils.

Once the majority of the solids were removed, the standing water was pumped out of the structure and containerized in two 275 gallon capacity plastic totes and two 55-gallon steel drums. Appropriate air monitoring was conducted within the confined space structure, including measuring for oxygen content, LEL, VOCs, H<sub>2</sub>S, and CO. An OPTECH laborer donned appropriate PPE including a Tyvek suit and tethered safety harness for emergency egress for the manual cleaning of the chimney base. A ladder was used for access in and out of the structure. Once free of all solids, OPTECH power-washed the structure's concrete interior walls and floor. The concrete was observed to be

in very good condition with no apparent cracking. A slow seeping of groundwater was observed in a few locations at the base of the structure where the sidewalls meet the floor.

Including cleaning fluids, approximately 555 gallons of waste water was generated from the chimney base structure. Previous waste characterization sampling conducted in April 2011 on the water contained within the chimney base structure indicated it was non-hazardous for all parameters tested. The water was disposed of by OPTECH at the Environmental & Industrial Contracting Services Green (EICS) in Niagara Falls, New York. A total of 533.65 tons of non-hazardous soil was disposed of from AOC-2 including the solid material removed from this structure.

OPTECH backfilled the chimney base to the existing grade with uncontaminated fill materials from the berm material located along Whitney Street.

**Table 6 - AOC-2 Work Plan Deviations – Remedial Strategy**

<b>Work Plan Section</b>	<b>Action in Work Plan</b>	<b>Revised Plan/Action</b>	<b>Justification</b>
3.2.4 – Detailed Investigation of Former Metal Plating Area	Test pits will also be excavated within AOC-2 to determine if connections exist between AOC-2 and other areas of Site.	Only grid-based soil borings and mini-well installations were used to perform the detailed investigation of AOC-2.	AOC-1 activities and soil boring & miniwell installation program provided sufficient data to develop remedial strategy.
3.2.4 - Detailed Investigation of Former Metal Plating Area	On-Site stabilization of soils is proposed prior to disposal.	Soil removal followed by transportation and disposal was the remedial action conducted without on-Site soil stabilization.	Waste characterization sample results, projected cost of equipment required for soil removal and stabilization, and limited volume of hazardous waste level soil requiring disposal precluded stabilization from being cost-effective.
3.2.9 – Plating Area Source Removal	Groundwater will be removed from AOC-2 for treatment and disposal at approved facilities.	No groundwater was removed from the plating area excavation during soil removal activity.	Proper soil removal management, slow groundwater infiltration precluded need for groundwater removal.



### **3.3 AOC-3: Hydraulic Vehicle Lift/Oil Tank and Soil Removal**

The hydraulic vehicle lift, associated hydraulic tank, and petroleum-impacted soil removals at AOC-3 was conducted concurrently with the remedial activities at AOC-2. The underground hydraulic lift and associated hydraulic oil tank, located in the north-central portion of the Site, were removed by TREC on June 2, 2011 by use of a 200 series John Deere excavator. The vehicle lift and associated hydraulic oil tank were all contained within a concrete vault-like structure. The hydraulic oil reservoir was located at the east end of the former lift vault and appeared to be empty, with no apparent holes or leaks. It was uncovered at a depth of approximately 2 to 5 feet below grade and measured 4.5 feet long by 1.1 feet in diameter. The tank was disposed of as scrap metal. Photos of the lift and tank removal are included in Appendix B. Figure 2 illustrates the location of this AOC.

No staining or odors were observed in the soils located immediately beneath the oil reservoir. At a depth of 9 feet below grade, discolored soil and PID readings up to 28 ppm were observed. Bedrock was encountered at a depth of approximately 11 feet below grade. The excavation was backfilled following the lift and tank removal and no sample was collected since a sample had been previously collected at nearby TP-03 as part of the 2008 RI efforts.

On April 4, 2012, OPTECH re-excavated a test pit in the area where the former hydraulic lift had been removed. Soil in the upper 9 feet did not reveal any staining or elevated PID readings. Soils ranging in depth from 9 to 11 feet below grade exhibited grey staining, petroleum odors, and elevated PID readings ranging from 3 to 27 ppm. No sheen was observed on the minor amount of groundwater that infiltrated into the excavation. OPTECH removed approximately 5 tons of petroleum-impacted soil from the 9 to 11 foot depth interval. The material was combined with the staged, non-hazardous, petroleum-contaminated AOC-2 soil from the plating area for eventual disposal.

Following soil removal and confirmatory sample collection, the test pit was backfilled with imported clean stone and uncontaminated soil from the 0 to 9 foot depth interval. Confirmatory soil sampling is described in Section 3.5.3 below.

### **3.4 Governing Documents**

The applicable governing plans were adhered to during execution of the work plan.

#### **3.4.1 Site Specific Health and Safety Plan (HASP)**

The remedial work described within this report was conducted in full compliance with governmental requirements, including Site and worker safety requirements mandated by Federal Occupational safety and Health Administration (OSHA). On-Site workers were required to have OSHA 1910.120 Hazardous Waste Operations Certification. The HASP was complied with for the remedial and invasive work conducted at the Site.

#### **3.4.2 Quality Assurance Project Plan (QAPP)**

The NYSDEC-approved QAPP was prepared using the USEPA Region 2 Brownfield Site-Specific QAPP template. The QAPP describes the specific policies, objectives, organization, functional activities and quality assurance/ quality control (QA/QC) activities designed to achieve the project data quality objectives.

#### **3.4.3 Community Air Monitoring Plan (CAMP)**

The CAMP implemented during the IRM work was conducted in accordance with the New York State Department of Health (NYSDOH) Generic CAMP. VOC and particulate concentrations were monitored at upwind and downwind perimeter locations during intrusive work and during handling of contaminated material. Particulates were monitored using TSI Dust Traks and TSI Sidepacks. A MiniRAE 2000 and 3000 photoionization detector (PID) was used to monitor for VOCs. Action levels specified in the NYSDOH Generic CAMP were not exceeded during the IRM work, including during backfilling. The CAMP daily field data sheets are included in Appendix C.

The CAMP was adhered to during ground intrusive remedial activities and during any on-site activity that had the potential to create airborne VOCs or particulates (i.e., excavation, backfilling, site grading, etc.). Action levels for both VOCs and particulates were not exceeded during the remedial work. Measures were taken throughout the project to ensure that action levels were not exceeded.

### 3.5 Waste Disposal Summary

The waste streams generated as part of the IRM removals and their associated waste characterization and disposal details are discussed in Sections 3.2, 3.3, and 3.4 above. Waste disposal documentation, including manifests and bills-of-lading, is included in Appendix D. A summary of total quantities removed for off-Site disposal during the IRMs is provided in the following table.

**Table 7 – Waste Stream Summary**

<b>IRM WASTE STREAMS</b>	<b>WASTE QUANTITY</b>
<b><u>AOC-1:</u></b>	
UST WASTE PRODUCT (PETROLEUM & MINERAL SPIRITS)	14,245 gallons
NON-HAZARDOUS SAND BEDDING MATERIAL	213.28 tons
HAZARDOUS TANK 6 VAULT FLOOR SOIL	14.6 tons
UST CLEANINGS/SLUDGE	1,110 gallons
VAULT WATER	14,700 gallons
<b><u>AOC-2</u></b>	
NON-HAZARDOUS SOIL (INCLUDES CHIMNEY SOLIDS)	533.65 tons
HAZARDOUS SOIL	127.05 tons
DECONTAMINATION & PURGE WATER	100 gallons
FRAC TANK CLEANINGS (SOLIDS)	1 x 55 gallon drum
CHIMNEY BASE WASTE WATER	555 gallons
<b><u>AOC-3</u></b>	
PETROLEUM-IMPACTED SOIL	5 tons (disposed of with AOC-2 non-haz soil)

### 3.6 Remedial Performance/Documentation Sampling

Confirmatory soil samples collected at each AOC are described in this Section. The attached Table 9-1 and Table 9-2 summarize results of the AOC-2 confirmatory soil sampling, and all exceedances of SCOs are highlighted. AOC-2 sample locations are shown on Figure 4.

Data Usability Summary Reports (DUSRs) were prepared for data generated in this remedial performance evaluation program. These DUSRs are included in Appendix F, and associated raw data is provided electronically on CD. Nancy Potak, a qualified third party Data Validator was selected to generate the DUSRs for confirmatory soil samples collected from the Plating Area. As indicated in each DUSR, included as Appendix F of this report, only minor variances were noted and all of the data was usable.

### 3.6.1 AOC-1 Confirmatory Soil Sampling

One confirmatory soil sample (Tank 6 Vault-9.5') was collected from the bottom of the Tank 6 vault at a depth of approximately 9.5 feet below grade. The peak PID reading obtained from the soil sample was 423 ppm. Laboratory analysis of this sample included the following parameters:

- Target Compound List (TCL) VOCs 8260B
- TCL Semi-Volatile Organic Compounds (SVOCs)
- Resource Conservation and Recovery Act (RCRA) Metals

Lab results are summarized in the following table.

**Table 8 - AOC-1 Confirmatory Soil Sample Results (Tank 6 Vault-9.5')**

Detected Analyte	Unrestricted Use SCO	Commercial Use SCO	Analytical Result
Ethylbenzene	<b>1,000(ppb)</b>	<b>390,000(ppb)</b>	5,010(ppb)
Xylene (mixed)	<b>260(ppb)</b>	<b>390,000(ppb)</b>	78,050(ppb)
Napthalene	<b>12,000(ppb)</b>	<b>500,000(ppb)</b>	554(ppb)
2-Methylnapthalene	<b>NL</b>	<b>NL</b>	1,010(ppb)
Arsenic	<b>13(ppm)</b>	<b>16(ppm)</b>	5.23(ppm)
Barium	<b>350(ppm)</b>	<b>400(ppm)</b>	48.4(ppm)
Cadmium	<b>2.5(ppm)</b>	<b>9.3(ppm)</b>	<0.584(ppm)

<b>Detected Analyte</b>	<b>Unrestricted Use SCO</b>	<b>Commercial Use SCO</b>	<b>Analytical Result</b>
Chromium	<b>30(ppm)</b>	<b>1,500(ppm)</b>	10.8(ppm)
Lead	<b>63(ppm)</b>	<b>1,000(ppm)</b>	22.1(ppm)
Mercury	<b>0.18(ppm)</b>	<b>2.8(ppm)</b>	0.0096(ppm)
Selenium	<b>3.9(ppm)</b>	<b>1,500(ppm)</b>	<1.17(ppm)
Silver	<b>2(ppm)</b>	<b>1,500(ppm)</b>	<1.17(ppm)

NL= not listed

All detected petroleum constituents and RCRA metals fell below the applicable Commercial Use SCO.

### **3.6.2 AOC-2 Confirmatory Soil Sampling**

Confirmatory soil sampling was conducted per the procedures outlined in the approved RI/IRM Work Plan, the approved QAPP and the NYSDEC DER-10 guidance document. Sample methodology included sidewall sample collection at a minimum of every 30 linear feet around the excavation perimeter and excavation floor sampling at a minimum of every 900 square feet. Samples were collected throughout the soil removal phase as the excavation process progressed. Sample identifications such as “OW-PA-SWC-1” indicate that the sample was collected from the excavation sidewall (“SWC” signifies “sidewall confirmatory”). Sample identifications such as “OW-PA-FC-2B” indicate that the sample was collected from the excavation floor (“FC” signifies “floor confirmatory”). Figure 4 illustrates the location of all confirmatory samples collected.

Sidewall samples were collected from the entire soil column, gathering soil from the bottom of the sidewall to the top and combining it into one representative composite sample. Floor samples generally consisted of between two (2) and four (4) soil grabs which were combined into one composite sample for each floor area. Following sample collection, samples were immediately placed on ice and stored in a cooler until they were relinquished to Paradigm Environmental Services, Inc. (Paradigm), an appropriately certified contract laboratory located in Rochester, New York. Samples were kept in the

custody of Lu Engineers at all times until relinquished to Paradigm. Samples were typically relinquished every day that they were collected to ensure validity.

The majority of samples were analyzed for RCRA metals only by EPA method SW846: 3050/6010, 7471. Since petroleum impacts were observed in the northeastern portion of the excavation, samples OW-PA-SWC-10, OW-PA-FC-11 and OW-PA-SWC-12 were also analyzed for VOCs by EPA method 8260B. Sample results are presented in the attached Table 9-1.

All confirmatory sample locations are illustrated on Figure 4, including grab sample locations for each composite floor sample collected. Analytical data is presented in the attached Table 9-1 and Table 9-2. A total of fifteen (15) confirmatory soil samples were collected from the excavation, including four (4) floor samples and eleven (11) sidewall samples. Three (3) of the fifteen (15) samples (OW-PA-FC2, OW-PA-SWC4 and OW-PA-SWC7) exceeded applicable Commercial Reuse SCOs for chromium, copper or arsenic, as indicated on Table 9-1 and Table 9-2. Additional soil removal was conducted at each of these locations and a second “B” sample was collected. The second round samples for OW-PA-FC-2B and OW-PA-SWC-4B were analyzed for the full RCRA metals list and of OW-PA-SWC-7B which was analyzed for chromium only since all seven of the other RCRA metals were below applicable standards in the first-round sample (OW-PA-SWC-7).

#### AOC-2 Confirmatory Soil Sample Results

Confirmatory sample results were compared to NYSDEC Part 375-6.8(b) Restricted Commercial Use SCOs. Per NYSDEC request, confirmatory sample results were also evaluated for the Protection of Groundwater for hexavalent chromium only. The Protection of Groundwater standard for Cr<sup>+6</sup> is 19 mg/kg. All plating area confirmatory samples were analyzed for RCRA metals by EPA Method SW846: 3050/6010/7471. Samples from OW-PA-SWC-10, OW-PA-FC-11 and OW-PA-SWC-12 were also analyzed for VOCs by EPA method 8260B, because petroleum impacts were observed in the vicinity of where they were taken.

As indicated in Table 9-1, the three above-listed samples did not exceed Commercial Use SCOs.

Table 9-2 indicates that excavation floor and sidewall confirmatory samples OW-PA-FC2B, OW-SWC-5, and OW-PA-SWC-6 exceeded the Commercial Use SCO for cadmium. Sample OW-PA-SWC-7B exceeded the Commercial Use SCO and Protection of Groundwater SCO for hexavalent chromium.

### 3.6.3 AOC-3 Confirmatory Sample Results

Confirmatory floor sample OW-Hydraulic Lift TP-4/4/12 was collected from the AOC-3 excavation floor at a depth of approximately 11 feet below grade, just above bedrock. The peak PID reading on the soil sample was 3.2 ppm. Following sample collection, the sample was immediately placed on ice and stored in a cooler until being relinquished to Paradigm, an appropriately certified laboratory. The sample was analyzed for TCL VOCs by EPA Method 8260B. Figure 2 illustrates the sample location and provides an overview of the location of the former hydraulic lift and associated hydraulic oil tank.

Confirmatory sample results indicate that several VOCs were detected in sample OW-Hydraulic Lift TP-4/4/12. All VOCs detected in this sample were below the Commercial Use and Unrestricted Use SCOs. The sample results for the detected analytes are presented in the following table.

**Table 10 – AOC-3 Confirmatory Soil Sample Results (Hydraulic Lift TP)**

Detected Analyte	Unrestricted Use SCO (ppb)	Commercial Use SCO (ppb)	Analytical Result (ppb)
Acetone	50	500,000	38.0 JB
Ethylbenzene	1,000	390,000	34.9
Isopropylbenzene	NL	NL	20.3
Methylcyclohexane	NL	NL	8.85
Tetrachloroethene	1,300	150,000	15.3
Toluene	700	500,000	5.97 J
Trichloroethene	470	200,000	7.44 J
Xylene (mixed)	260	500,000	148.6

J= value is estimated

B= compound detected in associated method blank

NL= not listed

Laboratory analytical reports are presented in Appendix E of this report.

### **3.7 Imported Backfill**

A total of 105.11 tons of crushed stone backfill was imported from Hansen Aggregates New York, LLC Honeoye Falls Plant 364 and The Dolomite Group in Brockport (both New York State Department of Transportation (NYSDOT)-approved sources) to backfill the bottom of the AOC-2 plating area excavation. The crushed stone was used as a demarcation layer in the bottom of the excavation and as backfill surrounding the replacement well screens. Backfill well installation is discussed in Section 3.3.6.

In addition, 37.55 tons of imported general fill from Valley Sand and Gravel, Inc. in Scottsville, New York (NYSDOT Source #4-31G) was placed as backfill above the crushed stone in the AOC-2 plating area excavation. Backfill documentation is provided in Appendix G.

### **3.8 Contamination Remaining at the Site**

The IRMs have successfully removed soil contamination from the Site above applicable SCGs, with the exception of cadmium and chromium impacts in the soil at the AOC-2 plating area. Three of the twelve confirmatory soil samples exceeded the Commercial Use SCO of 9.3 ppm for cadmium. In addition, eight of the twelve samples exceeded the Protection of Groundwater SCO of 19 ppm for Cr<sup>+6</sup>. The remaining soil contamination in the AOC-2 plating area can be easily distinguished from the crushed stone/gravel and berm material backfill that was used as a demarcation layer. Remaining cadmium and chromium contamination in the plating area is shown on Figure 4.

It was determined that residual contaminated soil would remain in-place subsequent to the IRM. Persistent contaminated soil and groundwater beneath the Site will be addressed through a Site Management Plan or institutional and/or engineering controls to protect human health and the environment. These engineering and institutional controls (EC/ICs) are described in the following sections. Long-term



management of these EC/ICs and residual contamination will be performed under SMP approved by the NYSDEC.

### **3.9 Cover System**

Exposure to remaining contamination in soil/fill at the Site is prevented by a Site-wide cover system. This cover system is comprised of a minimum of 12 inches of crushed stone, asphalt pavement, concrete building slabs, and hard fill from previous building demolitions (berm material). Figure 6 in the *Site Investigation/Remedial Alternatives Report* shows the location of each cover type at the Site. An Excavation Work Plan, which outlines the procedures required in the event that the cover system and/or underlying residual contamination are disturbed, is provided as an appendix in the SMP.

### **3.10 Other Engineering Controls**

The IRMs did not require the construction of any other engineering control systems.

### **3.11 Institutional Controls**

It is anticipated that the final Site remedy will include institutional controls consisting of an environmental easement to limit Site use and require compliance with a SMP. The City will also impose a “flag” on the Site in its Building Information System (BIS), which requires a plan review by the Department of Environmental Quality prior to issuance of any new permit.



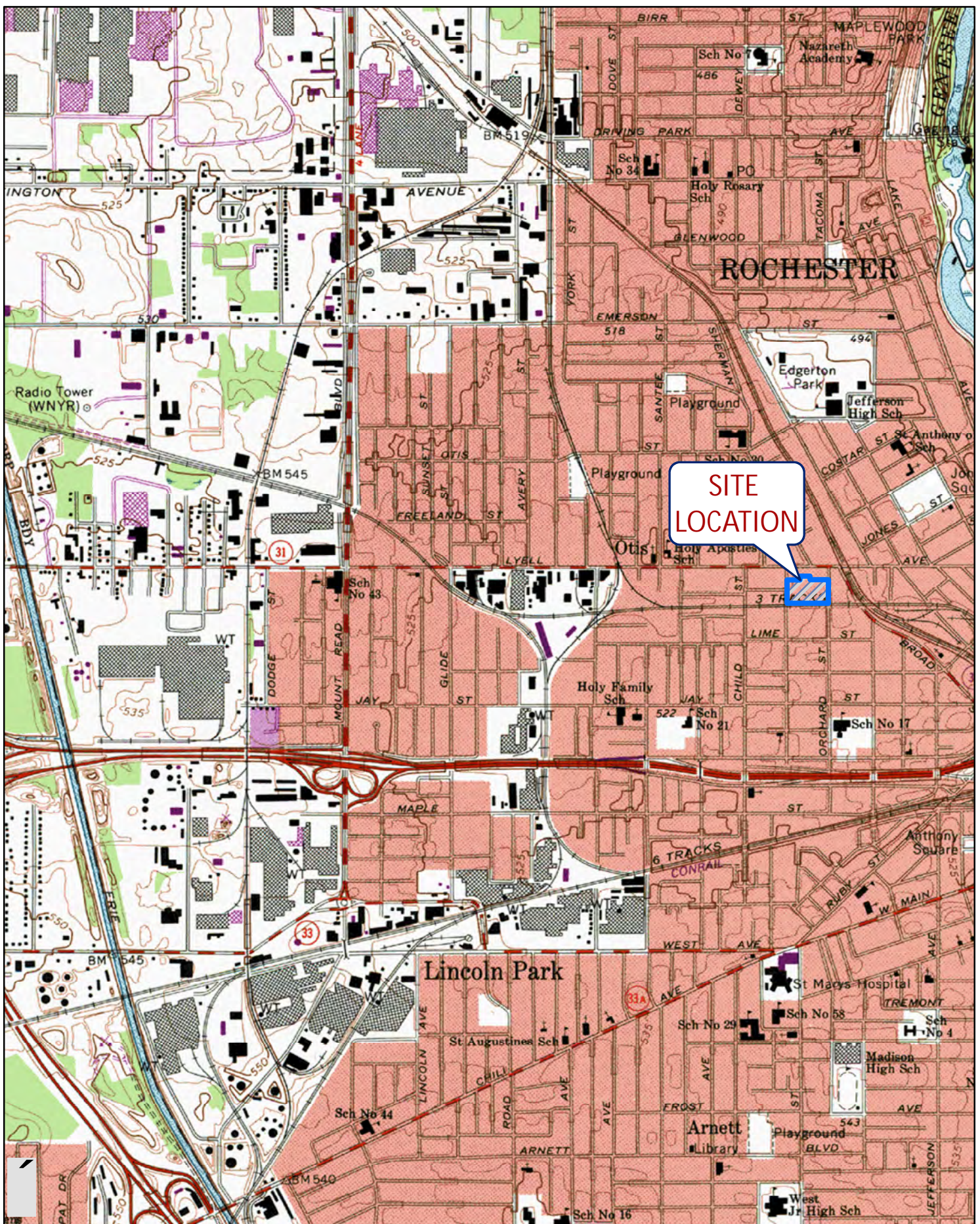
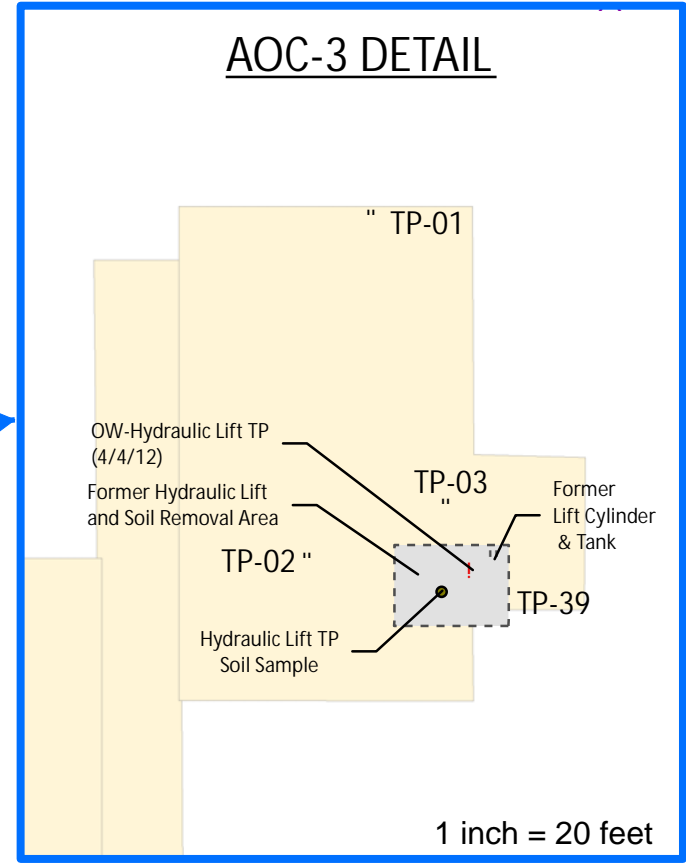
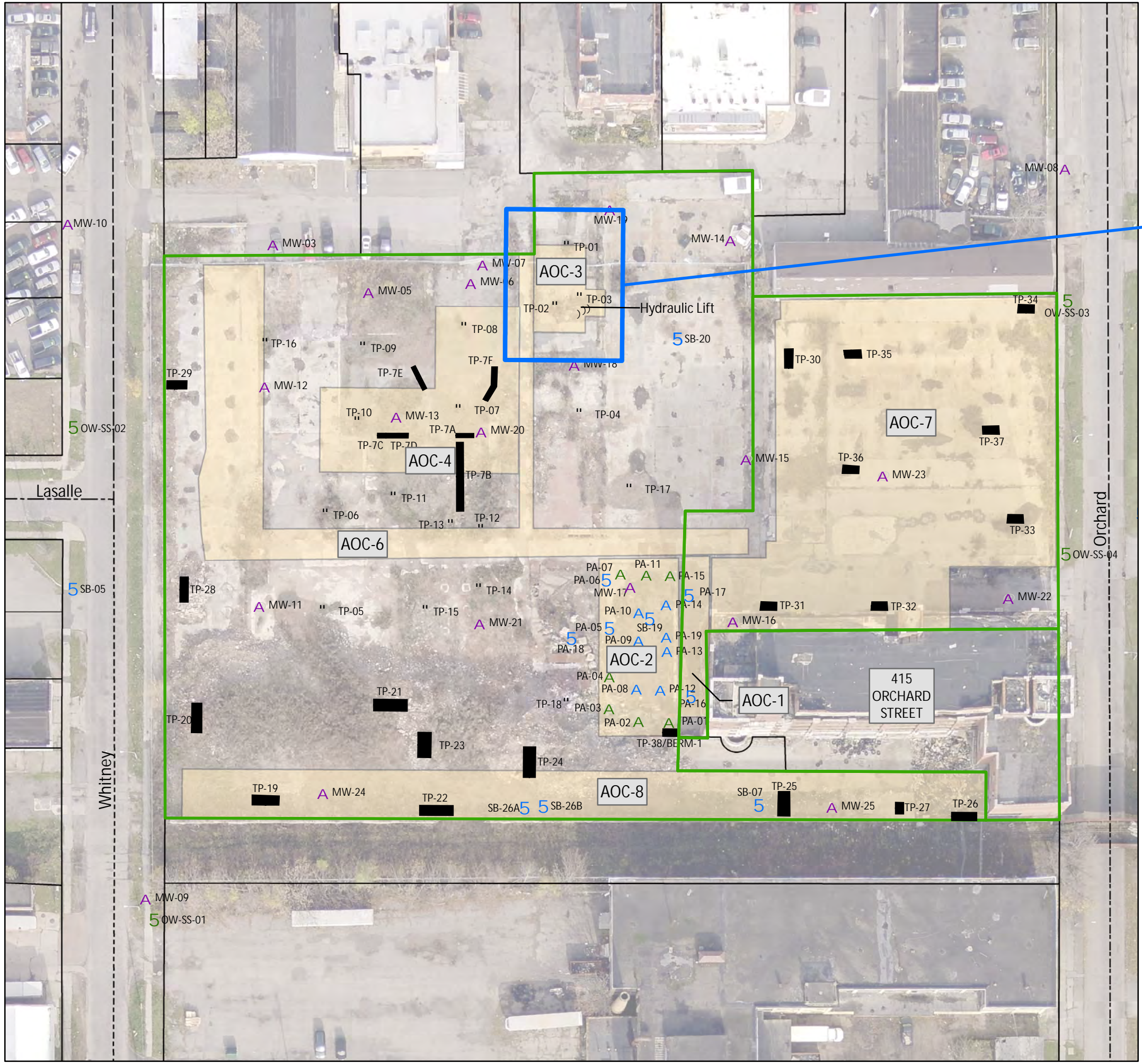


FIGURE 1  
 SITE LOCATION PLAN  
 ERP SITE #E828123  
 ROCHESTER, NY

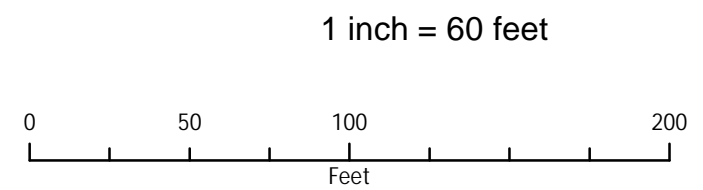


#### AOC DESCRIPTIONS

- AOC-1: UNDERGROUND STORAGE TANKS
- AOC-2: FORMER METAL PLATING AREA
- AOC-3: ABANDONED HYDRAULIC LIFT
- AOC-4: FORMER GASOLINE STORAGE DISPENSER
- AOC-5: SITESIDE DRAINAGE SYSTEMS
- AOC-6: UNDERGROUND TUNNELS AND BURIED UTILITIES
- AOC-7: FORMER "LOW-RISE"
- AOC-8: FORMER COAL STORAGE

#### Legend

- |                                                               |                                                                                                                     |
|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <span style="color: purple;">▲</span> MONITORING WELL         | --- STREET CENTERLINES                                                                                              |
| <span style="color: green;">▲</span> PLATING AREA 1-INCH WELL | <span style="border: 2px solid green; display: inline-block; width: 20px; height: 10px;"></span> PROPERTY LINE      |
| <span style="color: blue;">▲</span> PLATING AREA 2-INCH       | <span style="border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span> PARCEL BOUNDARY    |
| <span style="color: blue;">▲</span> BACKFILLED WELL           | <span style="border: 1px dashed black; display: inline-block; width: 20px; height: 10px;"></span> EXCAVATION LIMITS |
| <span style="color: blue;">5</span> SOIL BORING               | <span style="color: red;">●</span> CONFIRMATORY SOIL SAMPLE                                                         |
| <span style="color: green;">5</span> SOIL SAMPLE              |                                                                                                                     |
| " TEST PIT                                                    |                                                                                                                     |



DATE: OCTOBER 2013  
 SCALE: 1 Inch = 60 Feet  
 DRAWN/CHECKED: SMK/GLA  
 DATA SOURCE: PICTOMETRY



FIGURE 2  
 AOC DETAIL  
 ERP SITE #E828123  
 ROCHESTER, NY

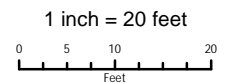


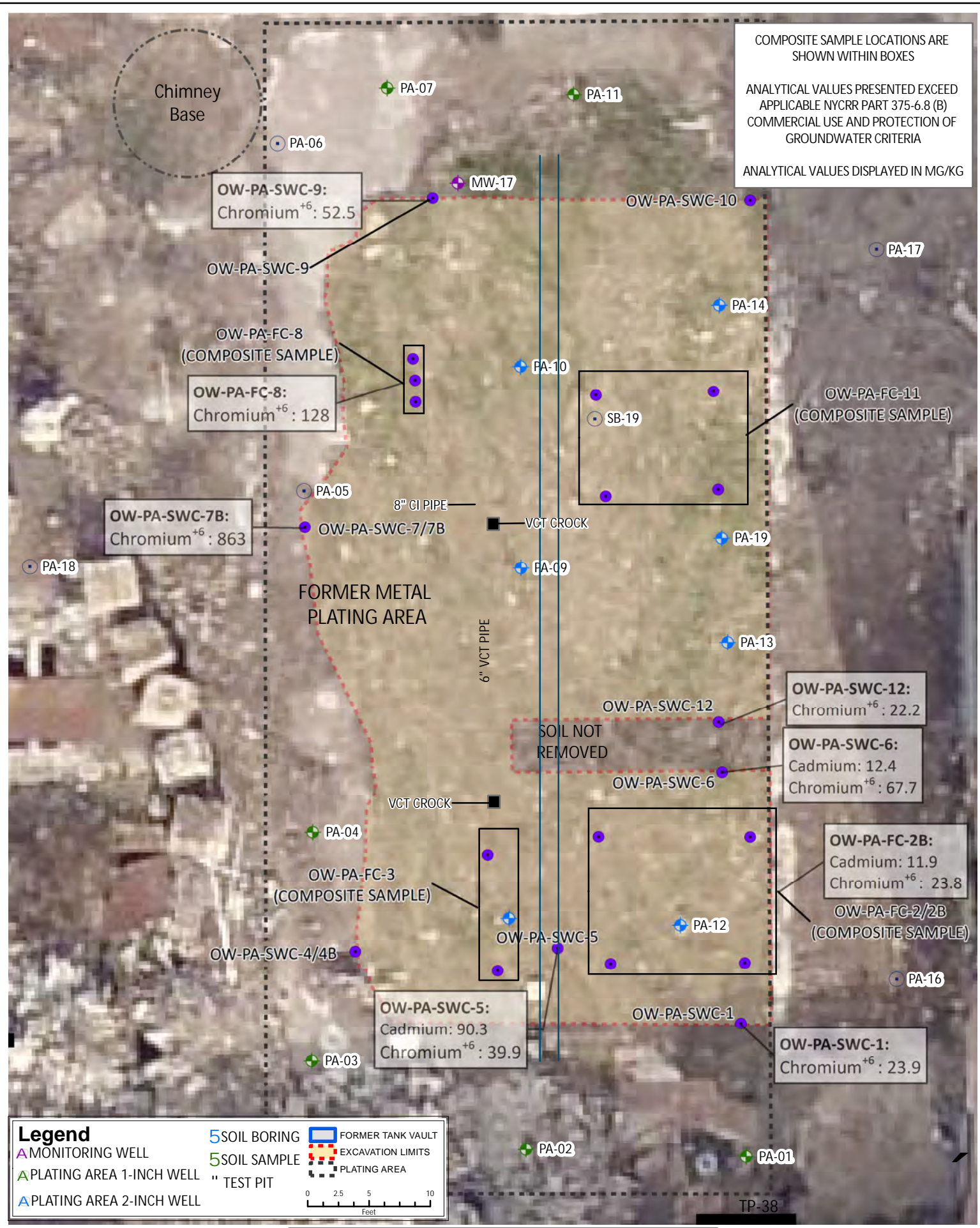


**Legend**

- # Tank 6 Vault Floor Sample\*
- A Monitoring Well

\* Confirmatory sample results were below commercial use SCOs for VOCs SVOCs and RCRA metals





Chimney Base

OW-PA-SWC-9:  
Chromium<sup>+6</sup>: 52.5

OW-PA-FC-8  
(COMPOSITE SAMPLE)  
OW-PA-FC-8:  
Chromium<sup>+6</sup>: 128

OW-PA-SWC-7B:  
Chromium<sup>+6</sup>: 863

FORMER METAL  
PLATING AREA

SOIL NOT  
REMOVED

OW-PA-SWC-12:  
Chromium<sup>+6</sup>: 22.2

OW-PA-SWC-6:  
Cadmium: 12.4  
Chromium<sup>+6</sup>: 67.7

OW-PA-FC-2B:  
Cadmium: 11.9  
Chromium<sup>+6</sup>: 23.8

OW-PA-FC-2/2B  
(COMPOSITE SAMPLE)

OW-PA-SWC-5:  
Cadmium: 90.3  
Chromium<sup>+6</sup>: 39.9

OW-PA-SWC-1:  
Chromium<sup>+6</sup>: 23.9

TP-38



CITY OF ROCHESTER - ORCHARD/WHITNEY SITE E828123  
SUMMARY OF NONVALIDATED ANALYTICAL RESULTS

Table 9-1 Plating Area Confirmatory Soil Results

Detected Parameters <sup>1</sup>	Unrestricted Use <sup>2</sup>	Commercial Use <sup>3</sup>	OW-PA-SWC-10 (3/28/12)	OW-PA-FC-11 (3/28/12)	OW-PA-SWC-12 (3/28/12)
<b>EPA 8260 - Volatile Organics</b>					
1,2-Dichlorobenzene	1,100	500,000	ND	ND	ND
1,2,4-Trimethylbenzene	3,600	190,000	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	190,000	ND	ND	ND
1,4-Dichlorobenzene	1,800	130,000	ND	ND	ND
Benzene	60	44,000	2.94 J	ND	ND
2-Butanone	120	500,000	ND	ND	ND
Acetone	50	500,000	ND	ND	ND
Carbon Disulfide	-	-	ND	ND	ND
Chloroform	370	350,000	ND	ND	ND
Cyclohexane	-	-	ND	ND	ND
Ethylbenzene	1,000	390,000	74.5	123	ND
Isopropylbenzene	-	-	12.2	11.6 J	ND
m,p-Xylene	-	-	574	998	ND
Methylcyclohexane	-	-	9.73	ND	ND
Methylene chloride	50	500,000	ND	ND	ND
N-Butylbenzene	12,000	500,000	ND	ND	ND
N-Propylbenzene	3,900	500,000	ND	ND	ND
Naphthalene	12,000	500,000	ND	ND	ND
o-Xylene	-	-	109	162	ND
p-Isopropyltoluene	-	-	ND	ND	ND
sec-Butylbenzene	11,000	500,000	ND	ND	ND
Tetrachloroethene	1,300	150,000	ND	ND	ND
Toluene	700	500,000	3.98 J	ND	ND
Xylenes (Mixed)	260	500,000	ND	ND	ND
Trichloroethene	470	200,000	ND	ND	ND

1 - All values presented in micrograms per kilogram (ug/Kg).

2 - 6 NYCRR Part 375-6.8 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives

3 - 6 NYCRR Part 375-6.8 - Table 375-6.8(b): Restricted Use Soil Cleanup Objectives

ND- Not detected above reporting limit

J- value is estimated





**Table 9-2 Plating Area Confirmatory Soil Results**

Detected Parameters <sup>1</sup>	Unrestricted Use <sup>3</sup>	Commercial Use <sup>4</sup>	Protection of Groundwater <sup>5</sup>	OW-PA-SWC-1 (3/28/12)	OW-PA-FC2B (3/28/12)	OW-PA-FC-3 (3/28/12)	OW-PA-SWC-4B (3/30/12)	OW-PA-SWC-5 (3/29/12)	OW-PA-SWC-6 (3/29/12)	OW-PA-SWC-7B (4/4/12)	OW-PA-FC-8 (4/2/12)	OW-PA-SWC-9 (4/3/12)	OW-PA-SWC-10 (4/3/12)	OW-PA-FC-11 (4/3/12)	OW-PA-SWC-12 (4/4/12)
<b>RCRA Metals (ICP)<sup>2</sup></b>															
Arsenic	13	16	NA	14	9.14	2.25	5.48	7.74	9.52	3.01	3.83	5.94	2.9	3.51	6.21
Barium	350	400	NA	199	31.7	22.1	51	154	68.7	29.7	30	36	41.4	42.5	54.1
Cadmium	2.5	9.3	NA	3.12	11.9	1.68	3.68	90.3	12.4	1.78	1.48	3.11	ND	ND	6.36
Chromium	1	400	19 (Cr <sup>+6</sup> )	23.9**	23.8**	6.38	10.6	39.3**	67.7**	863** DM	128**	52.5**	15.2	9.73	22.2**
Lead	63	1,000	NA	114	71.1	2.78	3.74	10	132	13.0	7.71	4.94	2.48	3.18	7.55
Mercury	0.18	2.8	NA	0.141	0.0347	0.0070 J	0.0222	0.0217	0.22	0.0047 J	0.0063 J	0.015	ND	0.0047 J	0.0106
Selenium	3.9	1,500	NA	ND	ND	ND	ND	0.843	ND	1.2	ND	ND	ND	ND	ND
Silver	2	1,500	NA	ND								ND			

- 1 - All values presented in micrograms per kilogram (ug/Kg).
- 2- All values for metals are presented in milligrams per kilograms (mg/kg)
- 3 - 6 NYCRR Part 375-6.8 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives
- 4 - 6 NYCRR Part 375-6.8 - Table 375-6.8(b): Restricted Use Soil Cleanup Objectives
- 5 - 6NUCRR Part 375-6.8- table 375-6,8(B): Protection of Groundwater for Hexavalent Chormium
- ND- Not detected above reporting limit
- J- value is estimated
- D- all compounds identified in an analysis at secondary dilution factor
- M- matrix spike recoveries outside QC limits; matrix bias indicated
- E- value is estimated or not reported due to interference (for metals)
- N- spike sample recovery is not within QC limits (for metals)
- NU- Not detected (for metals)
- \*- spike or duplicate analysis is not within QC limits (for metals)

	Value Exceeds Unrestricted SCOs
	Value Exceeds Commercial Use SCOs
	Analysis not performed on this parameter
**	Value Exceeds Protection of Groundwater Standards



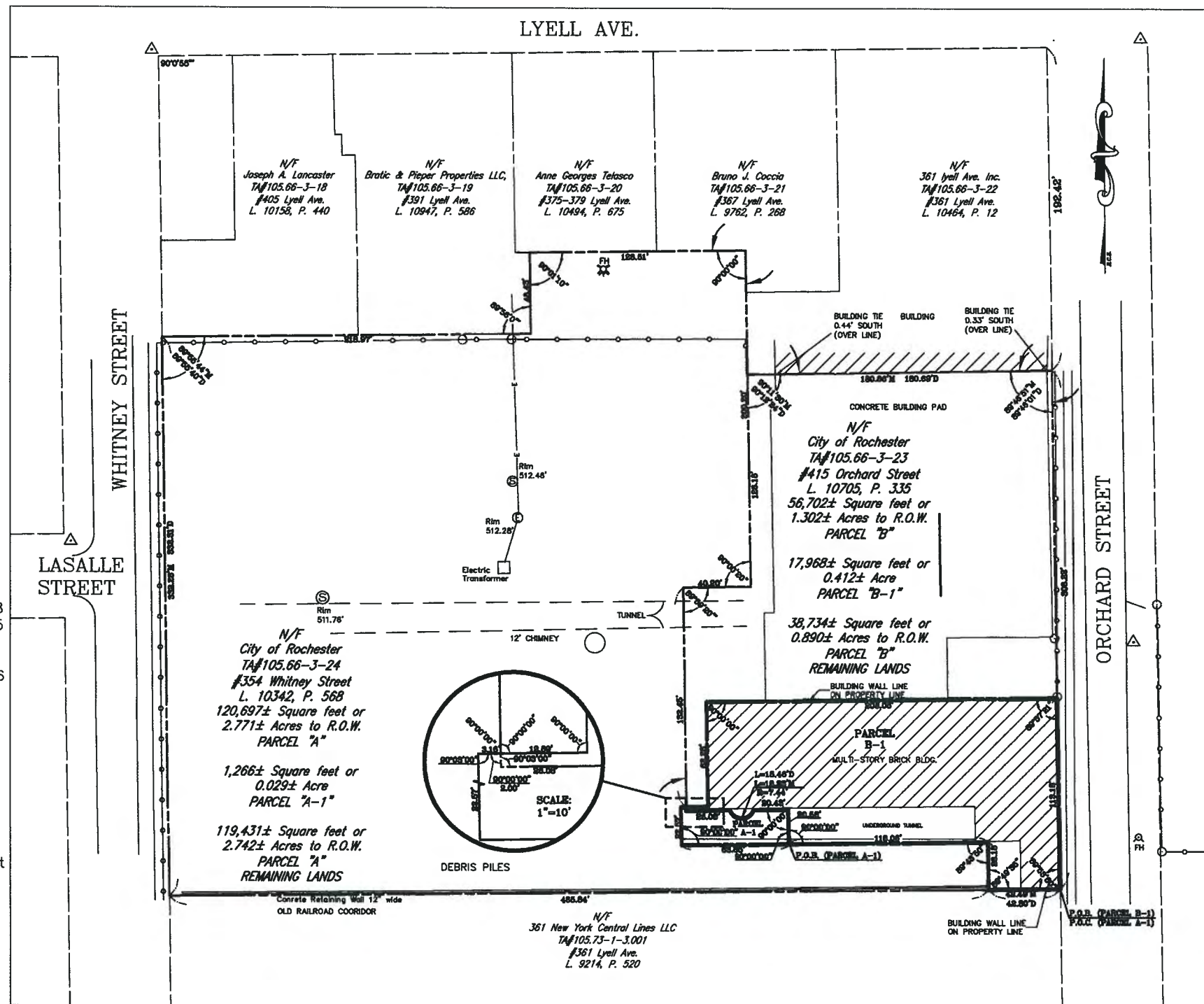
**Appendix A**  
**Survey Map, Metes and Bounds**

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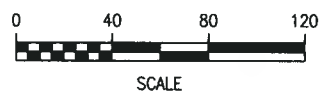
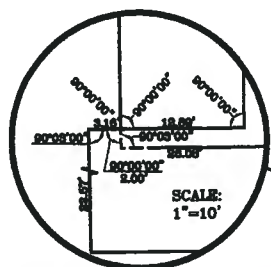
**LEGEND:**

- APPROXIMATE RIGHT-OF-WAY
- NEW PARCEL BOUNDARY
- PARENT PARCEL BOUNDARY
- EXISTING BUILDING
- EXISTING UNDERGROUND ELECTRIC
- EXISTING ADJOINING PROPERTY LINES
- △ ROCHESTER CITY SURVEY MONUMENT



**Survey Notes & References:**

1. Horizontal Datum is NAD 1983.
2. Coordinates were supplied by City of Rochester Survey Office.
3. Vertical Datum is NAVD 1988 also supplied by City of Rochester Survey Office.
4. Distances shown hereon are ground.
5. Deeds listed in Liber 10705, Page 335 recorded 01-05-09; Liber 10342, Page 568 recorded 08-17-06; Liber 10494, Page 675 recorded 07-30-07; Liber 9762, Page 268 recorded 03-27-03; Liber 10464, Page 12 recorded 05-23-07; Liber 10947, Page 586 recorded 12-02-10; Liber 10158, Page 440 recorded 07-22-05; Liber 9214, Page 520 recorded 09-16-99; Liber 9126, Page 96 recorded 02-19-99; Liber 6975, Page 228 recorded 09-16-86; Liber 9786, Page 105 recorded 05-16-03; Liber 7079, Page 98 recorded 03-10-87.
6. The last two recorded deeds for this parcel do not have a metes and bounds description.
7. There appears to be encumbrances that can not be plotted. These lie in Liber 4343 of Deeds Page 1 and Liber 5065 of Deeds Page 194.
8. There does not appear to be any restricted use zones or wetland areas delineated on this site at this time.



**THIS SURVEY IS SUBJECT TO THE FOLLOWING STATEMENT:**  
**"THE ENGINEERING AND INSTITUTIONAL CONTROLS FOR THIS EASEMENT ARE SET FORTH IN THE SITE MANAGEMENT PLAN (SMP). A COPY OF THE SMP MUST BE OBTAINED BY ANY PARTY WITH AN INTEREST IN THE PROPERTY. THE SMP CAN BE OBTAINED FROM NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION, DIVISION OF ENVIRONMENTAL REMEDIATION, SITE CONTROL SECTION, 625 BROADWAY, ALBANY, NEW YORK, 12233 OR AT derweb@gw.dec.state.ny.us"**

**CERTIFICATION:**

WE, JOSEPH C. LU ENGINEERS AND LAND SURVEYING, P.C. CERTIFY THAT THIS SURVEY MAP WAS PREPARED ON JUNE 21, 2013 FROM NOTES OF A SURVEY COMPLETED ON JUNE 20, 2013.  
 CERTIFIED TO:  
 1.) PEOPLE OF THE STATE OF NEW YORK ACTING THROUGH ITS COMMISSIONER OF THE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
 2.) TITLE COMPANY

*[Signature]*  
 DANIEL J. MASONDALE, N.Y.S. P.L.S. 80615  
 DATE: 6/23/13

**PARCEL DESCRIPTION:**

**PARCEL A-1**  
 ALSO "ENVIRONMENTAL EASEMENT DESCRIPTION" FOR DEC SITE #E828123  
 ALL THAT TRACT OR PARCEL OF LAND SITUATE IN THE CITY OF ROCHESTER, COUNTY OF MONROE, STATE OF NEW YORK, BEING PART OF TOWN LOT 62, 20,000 ACRE TRACT, TOWNSHIP 1, SHORT RANGE, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

- COMMENCING AT THE INTERSECTION OF THE WESTERLY BOUNDS OF ORCHARD STREET (60.00 FEET WIDE) AND THE NORTHERLY BOUNDS OF LANDS NOW OR FORMERLY BELONGING TO NEW YORK CENTRAL LINES, LLC. AS RECORDED IN LIBER 9214 OF DEEDS AT PAGE 520; THENCE WESTERLY ALONG SAID NORTHERLY BOUNDS AND HAVING AN ANGLE TO THE LEFT OF 89°53'50" WITH THE SAID WESTERLY BOUNDS A DISTANCE OF 42.49 FEET TO A POINT; THENCE NORTHERLY AND HAVING AN ANGLE TO THE LEFT OF 89°49'35" A DISTANCE OF 28.18 FEET TO A POINT; THENCE THENCE WESTERLY AND HAVING AN ANGLE TO THE RIGHT OF 89°43'50" A DISTANCE OF 118.06 FEET TO THE POINT OF BEGINNING; THENCE
- 1) CONTINUING ALONG SAID WESTERLY DIRECTION A DISTANCE OF 83.65 FEET TO A POINT; THENCE
  - 2) NORTHERLY AND HAVING AN ANGLE TO THE LEFT OF 90°00'00" A DISTANCE OF 22.57 FEET TO A POINT; THENCE
  - 3) EASTERLY AND HAVING AN ANGLE TO THE LEFT OF 90°03'00" A DISTANCE OF 3.16 FEET TO A POINT; THENCE
  - 4) SOUTHERLY AND HAVING AN ANGLE TO THE LEFT OF 90°00'00" A DISTANCE OF 2.00 FEET TO A POINT; THENCE
  - 5) EASTERLY AND HAVING AN ANGLE TO THE RIGHT OF 90°03'00" A DISTANCE OF 26.08 FEET TO A POINT; THENCE
  - 6) EASTERLY ALONG A CURVE TO THE RIGHT, SAID CURVE HAVING A RADIUS OF 7.44 FEET AND AN ARC LENGTH OF 18.23 FEET TO A POINT, SAID POINT BEING 14.00 FEET FROM THE EXTENSION OF COURSE 5; THENCE
  - 7) THENCE EASTERLY AND CONTINUING ALONG THE EXTENSION OF COURSE 5 A DISTANCE OF 20.43 FEET TO A POINT; THENCE
  - 8) SOUTHERLY AND HAVING AN ANGLE TO THE LEFT OF 90°00'00" A DISTANCE OF 20.58 FEET TO THE POINT OF BEGINNING; THE LAST COURSE MAKING AN ANGLE TO THE LEFT WITH COURSE FIRST COURSE OF 90°00'00"

**PARCEL B-1**

ALSO "ENVIRONMENTAL EASEMENT DESCRIPTION" FOR DEC SITE #E828123  
 ALL THAT TRACT OR PARCEL OF LAND SITUATE IN THE CITY OF ROCHESTER, COUNTY OF MONROE, STATE OF NEW YORK, BEING PART OF TOWN LOT 62, 20,000 ACRE TRACT, TOWNSHIP 1, SHORT RANGE, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

- BEGINNING AT A POINT ALONG THE WESTERLY BOUNDS OF ORCHARD STREET (60.00 FEET WIDE) SAID POINT BEING 500.64 FROM THE INTERSECTION OF SAID WESTERLY BOUND AND THE SOUTHERLY BOUNDS OF LYELL AVENUE (66.00 FEET WIDE), SAID POINT ALSO BEING THE INTERSECTION OF THE SAID WESTERLY BOUNDS AND THE NORTHERLY BOUNDS OF LANDS NOW OR FORMERLY BELONGING TO NEW YORK CENTRAL LINES, LLC. AS RECORDED IN LIBER 9214 OF DEEDS AT PAGE 520; THENCE
- 1) WESTERLY ALONG SAID NORTHERLY BOUNDS AND HAVING AN ANGLE TO THE LEFT OF 89°53'50" A DISTANCE OF 42.49 FEET TO A POINT; THENCE
  - 2) NORTHERLY AND HAVING AN ANGLE TO THE LEFT OF 89°49'35" A DISTANCE OF 28.18 FEET TO A POINT; THENCE
  - 3) WESTERLY AND HAVING AN ANGLE TO THE RIGHT OF 89°43'50" A DISTANCE OF 118.06 FEET TO A POINT; THENCE
  - 4) NORTHERLY AND HAVING AN ANGLE TO THE LEFT OF 90°00'00" A DISTANCE OF 20.58 FEET TO A POINT; THENCE
  - 5) WESTERLY AND HAVING AN ANGLE TO THE RIGHT OF 90°00'00" A DISTANCE OF 20.58 FEET TO A POINT; THENCE
  - 6) WESTERLY ALONG A CURVE TO THE LEFT, SAID CURVE HAVING A RADIUS OF 7.44 FEET AND AN ARC LENGTH OF 18.23 FEET TO A POINT, SAID POINT BEING 14.00 FEET FROM THE EXTENSION OF COURSE 5; THENCE
  - 7) THENCE WESTERLY AND CONTINUING ALONG THE EXTENSION OF COURSE 5 A DISTANCE OF 26.08 FEET TO A POINT; THENCE
  - 8) NORTHERLY AND HAVING AN ANGLE TO THE LEFT OF 90°03'00" A DISTANCE OF 2.00 FEET TO A POINT; THENCE
  - 9) EASTERLY AND HAVING AN ANGLE TO THE LEFT OF 90°00'00" A DISTANCE OF 12.89 FEET TO A POINT; THENCE
  - 10) NORTHERLY AND HAVING AN ANGLE TO THE RIGHT OF 90°00'00" A DISTANCE OF 62.28 FEET TO A POINT; THENCE
  - 11) EASTERLY AND HAVING AN ANGLE TO THE LEFT OF 90°00'00" A DISTANCE OF 208.08 FEET TO A POINT ALONG THE WESTERLY BOUNDS OF AFORESAID ORCHARD STREET; THENCE
  - 12) SOUTHERLY AND HAVING AN ANGLE TO THE LEFT OF 89°57'21" A DISTANCE OF 113.18 FEET TO THE POINT BEGINNING.



DATE	REVISIONS	BY

**DRAWING ALTERATION**  
 Note: It is a violation of law for any person, unless they are acting under the direction of a licensed professional engineer, architect, landscape architect or land surveyor to alter or tamper in any way, if an item bearing the stamp of a licensed professional is altered, the altering engineer, architect, landscape architect or land surveyor shall stamp the document and include the notation "altered by" followed by their signature, the date of such alteration, and a specific description of the alteration.



BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_



175 Sullys Trail, Suite 202  
 Pittsford, New York 14534  
 (585) 385-7417  
 Fax: (585) 385-3741  
 luengineers.com

**PROJECT:**  
 415 ORCHARD STREET & 354 WHITNEY STREET ERP SITE # CITY OF ROCHESTER, COUNTY OF MONROE STATE OF NEW YORK

**CLIENT:**  
 CITY OF ROCHESTER ROCHESTER, NEW YORK

**DRAWING TITLE:**  
 RE-SUBDIVISION MAP LOTS A&B

DESIGNED BY: GA	SCALE: 1"=40'
DRAWN BY: DJM	DATE: 6-28-2013
CHECKED BY: GA	PROJECT NO. 4216
SHEET 1 OF 1	DRAWING No. SU-1

**Appendix B**  
**Photo Log and Digital Copy of FER**

---



# Site Photographs

## Orchard-Whitney St. IRMs



Photo No. 1 – AOC-1 concrete cover removal over UST vault system.



Photo No. 2 - AOC-1: Concrete removal at Tank 9 vault and poly cover over UST vaults.



Photo No. 3 – AOC-1: Steel reinforced concrete over cap over Tank 9 vault (10,000 gal tank).



Photo No. 4 – AOC-1: Initial uncovering of 10,000 gal Tank 9.



Photo No. 5 – AOC-1: View looking south at exposed 10,000-gal Tank 9.



Photo No. 6 – AOC-1: View looking north at uncovered UST farm and vault system.

# Site Photographs

## Orchard-Whitney St. IRMs



Photo No. 7. – AOC-1: View looking east at Tank 7 & Tank 8.



Photo No. 8. – AOC-1: View looking north at product removal in Tank 9.



Photo No. 9. – AOC-1: View looking south at UST product removal by Egan Env.



Photo No. 10. - AOC-1: View looking north at exposed tank farm.



Photo No. 11 – AOC-1: Overhead view looking down on USTs & vault configuration.



Photo No. 12 – AOC-1: Uncovering Tank 7. Note it is full of product.

# Site Photographs Orchard-Whitney St. IRMs



Photo No. 13 – AOC-1: Looking southeast at TREC removing waste product with drum vac..



Photo No. 14 – AOC-1: View looking north of tanks ready for removal.



Photo No. 15 – AOC-1: Inerting tank prior to removal.

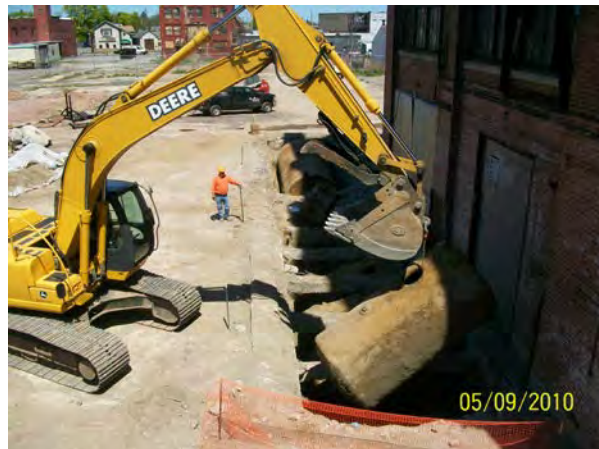


Photo No. 16 – AOC-1: Removing Tank 1.



Photo No. 17 – AOC-1: Tank 6, 7 and 8 ready for disposal as scrap metal.



Photo No. 18 – AOC-1: Removing 10,000-gal Tank 9 and placing on trailer for disposal.

# Site Photographs

## Orchard-Whitney St. IRMs



Photo No. 19 – AOC-1: Tank 7 rust holes.



Photo No. 20 – AOC-1: Tank 9 Vault full of chromium-impacted water from tunnel



Photo No. 21 – AOC-1: Staging petroleum-impacted sand bedding material.



Photo No. 22. – AOC-1: TREC loading petroleum-contaminated sand bedding.



Photo No. 23. – View north at vault cleaned of contaminated bedding material.



Photo No. 24. – AOC-1: Placing flowable fill in Tank 9 vault.



# Site Photographs

## Orchard-Whitney St. IRMs



Photo No. 25 – AOC-2: Looking east;OPTECH laying out poly to hold concrete chimney base contents.



Photo No. 26 –AOC-2: Building demolition debris removed from chimney base.



Photo No. 27- AOC-2: Excavator removing building demo debris from chimney.



Photo No. 28- AOC-2: OPTECH steam-cleaning interior concrete of chimney.



Photo No. 29. – AOC-2:Removal of residual chimney waste liquids.

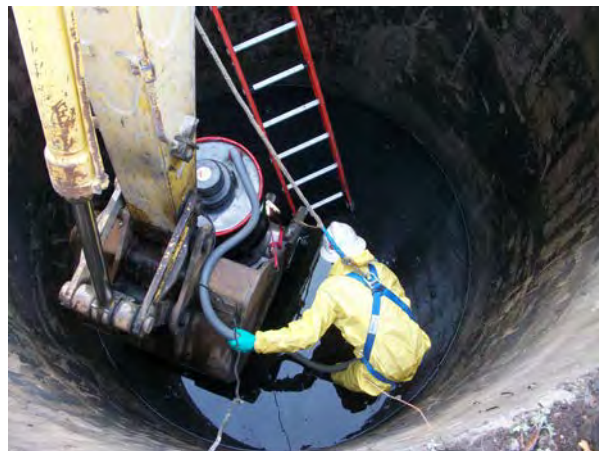


Photo No. 30- AOC-2: Liquid waste removal in chimney with drum vac.

# Site Photographs

## Orchard-Whitney St. IRMs



Photo No. 31 – AOC-2: Cleaned chimney base prior to backfilling.



Photo No. 32 – AOC-2: Backfilling of chimney base with site-derived backfill.



Photo No. 33- AOC-2: Concrete slab removal at SE corner plating area. Note UST vault wall.



Photo No. 34 – AOC-2: Initial soil removal in plating area. VCT crock being removed, center.



Photo No. 35 – AOC-2: Removal of 8” CI pipe, south-central plating area.



Photo No. 36- AOC-2: Looking northeast at plating area excavation in progress.

# Site Photographs

## Orchard-Whitney St. IRMs



Photo No. 37 – AOC-2: Applying remedial molasses solution to west wall of excavation.



Photo No. 38 – AOC-2: Installing backfill well PA-09 in western portion of excavation.



Photo No. 39 – AOC-2: View looking northeast at plating area excavation area.



Photo No. 40 – AOC-2: Stockpiling of contaminated soil on northern portion of Site.



Photo No. 41 – AOC-2: Backfilling southern portion of excavation area.



Photo No. 42- AOC-2: Looking southwest from northeast corner at buried concrete footer structure.

# Site Photographs

## Orchard-Whitney St. IRMs



Photo No. 43 – AOC-2: Looking south at PA-14 area. Note concrete wall of Tank 9 vault.



Photo No. 44 – Looking north at northern half of open excavation & staged soil piles.



Photo No. 45– AOC-2: View of remedial molasses mixture being applied to exposed soil.



Photo No. 46 – AOC-2: Uncovering petroleum-impacted soil by PA-13.



Photo No. 47 – AOC-2: Looking north at plating area excavation overview.



Photo No. 48- AOC-2: Applying molasses remedial agent to open excavation.

# Site Photographs

## Orchard-Whitney St. IRMs



Photo No. 49 – AOC-2: Exposed east wall of plating area/Tank 9 vault wall after molasses.



Photo No. 50 – AOC-2: View to south at backfilled wells with clean stone fill.



Photo No. 51– AOC-2: Backfilling of northeast corner.



Photo No. 52 – AOC-2: Loading of hazardous soil on Low Rise slab.



Photo No. 53 – AOC-2: Breaking of chromium contaminated concrete block.



Photo No. 54- AOC-2: Loading of non-hazardous soil from plating area.

# Site Photographs

## Orchard-Whitney St. IRMs



**Photo No. 55 – AOC-3: Looking northeast at removal of hydraulic vehicle lift.**



**Photo No. 56 – AOC-3: Empty hydraulic oil tank from vehicle lift.**



**Photo No. 57– View of solid waste and fill materials in vehicle lift vault.**

**Appendix C –  
CAMP Field Data Sheets & Air Monitoring Data (CD only)**

## Lu Engineers Site Perimeter Air Monitoring Log – Particulates

Site: Orchard/Whitney ERP  
 Date: 4/16/2008  
 Location: Upwind / Downwind Wind: SW  
 Background: 0.006 / 0.012 → V: West Lot / D: NE Corner  
 Instrument Used: Dusttrak  
 Calibrated: Yes

Time	Dust Concentration (mg/m <sup>3</sup> )	Dust observed off-site (Y/N)	PID (ppm)	Notes
9:15a	U 0.012 / D 0.016	N	0.0/0.0	
9:30a	U 0.014 / D 0.065	N	"	
9:45	U 0.009 / D 0.021	N	"	
10:00	U 0.008 / D 0.017	N	"	
10:15	U 0.010 / D 0.012	N	"	
10:30	U 0.007 / D 0.013	N	"	
10:45	U 0.034 / D 0.021	N	"	bobcat work in area near upwind station.
11:00	U 0.001 / D 0.009	N	"	
11:15	0.013 / 0.014	N	"	
11:30	0.019 / 0.017	N	"	
11:45	0.013 / 0.017	N	"	
No Work	0.008 / 0.012	N	"	Lunch from 11:45 - 12:30
12:30	0.006 / 0.013	N	"	Titan coming back to work
12:45	0.006 / 0.013	N	"	
1:06	0.017 / 0.013	N	"	
1:15	0.008 / 0.023	N	"	
1:30	0.008 / 0.013	N	"	
1:45	0.002 / 0.019	N	"	
2:00	0.016 / 0.016	N	"	
2:15	0.007 / 0.030	N	"	
2:30	0.006 / 0.030	N	"	
2:45	0.017 / 0.012	N	"	

3:00 0.029 / 0.031 N " Dropped small stick near S of bldg (↑ dust)

3:15 0.021 / 0.024 N " "

3:30 0.001 / 0.029 N " "

3:45 0.031 / 0.064 N " large portion of roof came down - ↑ dust & short

3:51 ← 4:00 0.021 / 0.015 N " "



### Site Perimeter Air Monitoring Log – Particulates

Site: Orchard / Whitney ERP  
 Date: 4/17/2008 Wind: West  
 Location: Upwind / Downwind West Lot / NE Corner  
 Background: U 0.024 D 0.101  
 Instrument Used: \_\_\_\_\_  
 Calibrated: \_\_\_\_\_

Time	Concentration (mg/m <sup>3</sup> )	VOC	Dust observed off-site (Y/N)
8 AM	U 0.016 D 0.045	No	No
	0.012 / 0.076	"	"
	0.012 / 0.042	"	"
	0.015 / 0.024	"	"
9	0.024 / 0.034	"	"
	0.013 / 0.024	"	"
	0.027 / 0.033	"	"
	0.014 / 0.058	"	"
10	0.014 / 0.064	"	"
	0.015 / 0.107	"	Loading Truck w / debris in vicinity of equip.
	0.013 / 0.065	"	"
11			
	0.024 / 0.180	"	"
	0.024 / 0.075	"	"
	<del>0.053</del>	"	"
12	0.053 / 0.042	"	"

### Site Perimeter Air Monitoring Log – Particulates

Site: Orchard/Whitney ELP  
 Date: 4/17/2008  
 Location: Upwind / Downwind  
 Background: \_\_\_\_\_  
 Instrument Used: \_\_\_\_\_  
 Calibrated: \_\_\_\_\_

Time	Concentration (mg/m <sup>3</sup> )	Dust observed off-site (Y/N)
<u>1:00</u>	<u>0.0048 / 0.053</u>	<u>No</u>
<u>1:15</u>	<u>0.030 / 0.028</u>	<u>"</u>
<u>1:30</u>		<u>"</u>
<u>1:45</u>	<u>0.030 / 0.031</u>	<u>"</u>
<u>2:00</u>	<u>0.026 / 0.046</u>	<u>"</u>
	<u>0.033 / 0.051</u>	<u>"</u>
	<u>0.041 / 0.039</u>	<u>"</u>
	<u>0.027 / 0.024</u>	<u>"</u>
<u>3:00</u>	<u>0.025 / 0.031</u>	<u>"</u>
	<u>0.058 / 0.085</u>	<u>"</u>
	<u>0.038 / 0.092</u>	<u>"</u>
	<u>0.041 / 0.057</u>	<u>"</u>
<u>4:00</u>	<u>0.073 / 0.025</u>	<u>"</u>

VOC  
NO

Orchard/Whitney

4/18/2008

Background 0.058/0.099 (@7:45am)

LOCATION:

U: West Lot

D: NE corner

(Wind change @ 1:30p: Upwind now Downwind & vice versa)

Sheet # 1 of 1

Wind: SW  
change @ 1:30: NE

### Site Perimeter Air Monitoring Log - Particulates

VOC

Time	Concentration (mg/m <sup>3</sup> )	Dust observed off-site (Y/N)
8:00	U 0.055 / D 0.111	0% N
8:15	0.047 / 0.087	"
	0.056 / 0.093	"
	0.046 / 0.060	"
9:00	0.062 / 0.063	"
	0.043 / 0.058	"
	0.040 / 0.081	"
10:00	0.048 / 0.056	"
	0.048 / 0.079	"
	0.057 / 0.101	"
11	0.047 / 0.158	"
	0.052 / 0.122	"
	0.059 / 0.088	"
12	0.056 / 0.076	"
	0.039 / 0.051	"
	Lunch	"
12:45	Lunch	"
	Lunch	"
	Lunch (background) 0.038 / 0.033	"
1	0.024 / 0.382	No
	0.033 / 0.054	No
	0.031 / 0.054	"
2	0.041 / 0.080	"
	0.050 / 0.111	"
	0.049 / 0.066	No
3	0.051 / 0.051	"
	0.054 / 0.101	"
	0.075 / 0.051	"
Done For Day Early		

(N) Large section of 2<sup>nd</sup> floor had just fallen

No (Large sections of wall dropped) and meet vicinity of unit equip.

Truck in direct vicinity of monit. equip.

Orchard/Whitney Ekt

4/21/08

Back: 0.031/0.081

Wind: ESE

Location:

U: NE Corner

D: West Lot.

Sheet # 1 of 1

### Work Zone Perimeter Air Monitoring Log - Particulates

VOC

Time	Concentration (mg/m <sup>3</sup> )	Dust observed off-site (Y/N)	
8 <sup>00</sup>	U 0.031 / D 0.081	No	No
	U 0.031 / 0.081	"	"
	0.028 / 0.051	"	"
	0.028 / 0.047	"	"
9 <sup>00</sup>	0.039 / 0.115	"	"
	0.028 / 0.061	"	"
	0.019 / 0.065	"	"
	0.024 / 0.065	"	"
10 <sup>00</sup>	0.022 / 0.072	"	"
	0.023 / 0.023	"	"
	0.025 / 0.051	"	"
	0.022 / 0.059	"	"
11 <sup>00</sup>	0.026 / 0.118	"	"
	0.027 / 0.028	"	"
	0.021 / 0.070	"	"
	0.028 / 0.061	"	"
12 <sup>00</sup>	0.0027 / 0.0026	"	"
	Lunch		
	↓	↓	↓
1 <sup>00</sup>	0.033 / 0.072	"	"
	0.033 / 0.032	"	"
	0.028 / 0.039	"	"
	0.030 / 0.066	"	"
2 <sup>00</sup>	0.042 / 0.100	"	"
	0.030 / 0.042	"	"
	0.033 / 0.031	"	"
	0.029 / 0.064	"	"
3 <sup>00</sup>	0.043 / 0.056	"	"
	0.027 / 0.040	"	"
	0.029 / 0.077	"	"
Done Working/Cleanup			

Back: 0.046/0.061

Wind: W

### Site Perimeter Air Monitoring Log - Particulates

Locations:  
U: West Lot  
D: NE Corner  
Wind Change (12:45)  
New Locations  
U: NE Corner  
D: South Center Lot

VOC

Time	Concentration (mg/m <sup>3</sup> )	Dust observed off-site (Y/N)	
8:00	0.046/0.061	0.0/0.0	No
	0.083/0.041	"	"
	0.038/0.061	"	"
	0.035/0.052	"	"
9	0.027/0.061	"	"
	0.027/0.041	"	"
	0.026/0.061	"	"
	0.026/0.040	"	"
10	0.030/0.088	"	No
	0.029/0.061	"	"
	0.028/0.029	"	"
	0.030/0.053	"	"
11	0.019/0.029	"	"
	0.035/0.071	"	"
	0.030/0.071	"	"
	0.020/0.029	"	"
12	Lunch	↓	↓
	↓	↓	↓
	0.021/0.071	"	"
1	0.028/0.101	"	"
	0.028/0.081	"	"
	0.028/0.141	"	"
	0.031/0.095	"	"
2	0.026/0.062	"	"
	0.036/0.068	↓	↓
	(Prepping for tower demo - no work being done)	↓	↓
3	0.028/0.091	"	"
	0.035/0.096	"	"
	0.023/0.075	"	"
	0.027/0.063	↓	"

Lg section of roof came down between 9:20/9:45 readings elevated but decreased before 9:45. No dust off-site.

Wind changed from W to NE @ appx. 12:45P (see new locations above)

4/23/08

Background:

U: 0.031

D: 0.043

Wind: SW

### Site Perimeter Air Monitoring Log – Particulates

Locations:

U: W Center Lot

D: NE Corner

Time	Concentration (mg/m <sup>3</sup> )	VOC	
		%	Dust observed off-site (Y/N)
8:00 A	U: 0.031 / D: 0.043	0.00	N
	U: 0.031 / 0.093	↓	"
	0.042 / 0.051	↓	"
9	0.027 / 0.086	↓	"
	0.026 / 0.070	"	"
	0.026 / 0.135	"	"
	0.024 / 0.039	"	"
	0.027 / 0.071	"	"
10	0.023 / 0.045	"	"
	0.028 / 0.078	"	"
	0.023 / 0.037	"	"
	0.026 / 0.054	"	"
	0.027 / 0.036	"	"
11	0.030 / 0.056	"	"
	0.029 / 0.092	"	"
	0.027 / 0.041	"	"
	0.026 / 0.043	"	"
	0.026 / 0.041	"	"
12	0.029 / 0.037	"	"
	0.031 / 0.041	"	"
	0.026 / 0.043	"	"
	0.024 / 0.028	"	"
1	0.029 / 0.025	"	"
	0.026 / 0.103	"	"
	0.027 / 0.098	"	"
	0.023 / 0.044	"	"
	0.024 / 0.037	"	"
2	0.024 / 0.045	"	"
	0.021 / 0.044	"	"
	0.027 / 0.041	"	"
	0.024 / 0.045	"	"
3	0.021 / 0.044	"	"
	0.027 / 0.041	"	"
4	0.024 / 0.045	"	"
	0.036 / 0.35	"	"

4/24/2008

Backgrounds

0.010  
0.013

Wind: NE ~10 mph

Site Perimeter Air Monitoring Log - Particulates

Location:

U NE Corner

D: SW Corner

@ 10:30a moved  
Downwind to  
West Centerlot  
due to prevailing  
easterly wind

Time	Concentration (mg/m <sup>3</sup> )	Dust observed off-site (Y/N)	
8 <sup>00</sup>	0.023 / 0.057	0% <sub>0.0</sub>	No
	0.016 / 0.033	"	"
	0.011 / 0.018	"	"
	0.005 / 0.027	"	"
9	0.003 / 0.031	"	"
	0.013 / 0.013	"	"
	0.009 / 0.036	"	"
	0.008 / 0.111	"	"
10	0.009 / 0.013	"	"
	0.009 / 0.021	"	"
10 <sup>30</sup>	0.008 / 0.009	"	"
	0.007 / 0.016	"	"
11	0.012 / 0.017	"	"
	0.008 / 0.013	"	"
	0.006 / 0.016	"	"
	0.021 / 0.024	"	"
12	0.008 / 0.016	"	"
	0.007 / 0.021	"	"
	0.008 / 0.101	"	"
	0.013 / 0.011	"	"
1	Break: Backgrounds: <sup>U- 0.009</sup> <sub>0- 0.024</sub>	"	"
	0.011 / 0.023	"	"
	0.011 / Work stopped		
2	0.008 /		
	0.007 /		
	0.008 /		
3			

0.028/0.038

Wind: SE 0-5 (variable)

Wind switching often South of Pen East

Site Perimeter Air Monitoring Log - Particulates

Location  
U: N Center  
D: NW Corner (Fence)

Time	Concentration (mg/m <sup>3</sup> )	Dust observed off-site (Y/N)	
8 <sup>00</sup>	0.028 / 0.038	00/0.0	No
	0.041 / 0.048	"	"
	0.037 / 0.043	"	"
	0.024 / 0.048	"	"
9 <sup>00</sup>	0.019 / 0.048	"	"
	0.015 / 0.018	"	"
	0.013 / 0.017	"	"
	0.015 / 0.020	"	"
10 <sup>00</sup>	0.017 / 0.023	"	"
	0.019 / 0.027	"	"
	0.019 / 0.048	"	"
	0.014 / 0.034	"	"
11 <sup>00</sup>	0.011 / 0.013	"	"
	0.011 / 0.014	"	"
	0.014 / 0.052	"	"
	0.013 / 0.035	"	"
12 <sup>00</sup>	0.016 / 0.048	"	"
	0.023 / 0.056	"	"
	Lunch		
	↓	↓	↓
1 <sup>00</sup>			
	0.028 / 0.080	"	"
	0.027 / 0.033	"	"
	0.020 / 0.045	"	"
2 <sup>00</sup>	0.019 / 0.028	"	"
	0.027 / 0.054		
	0.016 / 0.038		
3 <sup>00</sup>	Picking up for day		
	↓		



7/28/00

Orchard/Whitney ERP

0.028/0.034

Wind WSW 0-5

### Site Perimeter Air Monitoring Log - Particulates

Location:

U: NW Corner

D: NE Corner

Time	Concentration (mg/m <sup>3</sup> )	Dust observed off-site (Y/N)	
8:00	0.028/0.034	0.0	No
	0.031/0.034	"	
	0.032/0.032	"	
	0.036/0.046	"	
9:00	0.034/0.054	"	
	0.031/0.038	"	
	0.036/0.049	"	
	0.027/0.033	"	
10:00	0.023/0.035	"	↓
	0.010/0.018		
	0.012/0.022		
	0.006/0.017		
11:00	0.006/0.016		
	0.008/0.012		
	0.006/0.011	↓	↓
	0.008/0.037	"	"
12:00	0.007/0.040	"	"
	0.010/0.013	"	"
	0.010/0.027		
	0.006/0.021		
1:00	0.008/0.023		
	0.027/0.028	↓	↓
	0.021/0.048		
	0.026/0.035		
2:00	0.021/0.051		
	0.026/0.026		
	0.027/0.029		
	0.031/0.085		
3:00	0.030/0.092		
	0.020/0.065		
	0.019/0.056	↓	↓
	0.025/0.035		

stopped work for 15 min.

4/29/08 Wind W 5-10

0.008/0.013

Location U - (unit broken) no upwind **Site Perimeter Air Monitoring Log - Particulates**

D - NE corner  
 → (First 4 readings were SE corner of Site (Richard St) but wind changed from N to W)

Time	Concentration (mg/m <sup>3</sup> )	Dust observed off-site (Y/N)	
8 <sup>00</sup>	None / 0.016	0.0/0.0	No
	0.013		
	0.012		
	0.016		
9 <sup>00</sup>	0.048		
	0.037		
	0.012		
	0.011		
10 <sup>00</sup>	0.009		
	0.016		
	0.017	↓	↓
	0.006	↓	↓
11 <sup>00</sup>	0.030	↓	↓
	0.061	↓	↓
	0.044	↓	↓
	0.035	"	"
12 <sup>00</sup>	0.019	"	"
	0.011	"	"
	0.007	"	"
	0.009	"	"
1 <sup>00</sup>	0.009	"	"
	0.007	"	"
	0.008	"	"
	0.007	"	"
2 <sup>00</sup>	0.021	"	"
	0.086	"	"
	0.051	"	"
	0.062	"	"
3 <sup>00</sup>	0.082	"	"
	0.028	"	"

Wind picked up significantly & dust readings increased but still were below threshold levels.

↓ Done Working Picking Up

### Work Zone Perimeter Air Monitoring Log – Particulates

4/30/08

Backgrounds

U: 0.007

D: 0.023

Locations

U: N Center Lot

D: NE Corner

Time	Concentration (mg/m <sup>3</sup> )	Dust observed off-site (Y/N)	
8:00	<del>0.017 / 0.050</del>	0.0 / 0.0	No
	0.017 / 0.050	↓	↓
	0.023 / 0.055	↓	↓
	0.017 / 0.078	↓	↓
9	0.019 / 0.064	↓	↓
	0.017 / 0.023	↓	↓
	0.015 / 0.025	↓	↓
	0.014 / 0.043	↓	↓
10	0.016 / 0.021	↓	↓
	0.009 / 0.026	↓	↓
	0.011 / 0.034	↓	↓
	0.010 / 0.028	↓	↓
11	0.011 / 0.094	"	"
	0.020 / 0.020	"	"
	0.015 / 0.020	"	"
	0.009 / 0.032	"	"
12	0.011 / 0.082	↓	↓
	Lunch	↓	↓
	0.010 / 0.051	↓	↓
	0.013 / 0.046	↓	↓
1	0.013 / 0.068	"	"
	0.009 / 0.078	"	"
	0.007 / 0.059	↓	↓
	0.007 / 0.081	↓	↓
2	0.021 / 0.069	↓	↓
	0.034 / 0.061	↓	↓
	0.021 / 0.075	↓	↓
	0.031 / 0.080	↓	↓
3	0.045 / 0.043	↓	↓
	0.024 / 0.061	"	"
	0.012 / 0.029	↓	↓
	0.016 / 0.023	↓	↓
	0.018 / 0.016	↓	↓
	0.017 / 0.021	↓	↓
	0.021 / 0.013	↓	↓

2/11/08  
Backgrounds  
0.023/0.039

Wind West 0-5  
changed to

Location:  
D. NE corner  
U: N Center Lot.

East 6-10 @ 11:30 AM  
Site Perimeter Air Monitoring Log - Particulates

Time	Concentration (mg/m <sup>3</sup> )	Dust observed off-site (Y/N)	
8 <sup>00</sup>	0.039 / 0.063	0.0	No
	0.035 / 0.049	↓	↓
	0.026 / 0.047	↓	↓
	0.039 / 0.075	↓	↓
9	0.032 / 0.078	↓	↓
	0.023 / 0.091	"	"
	0.007 / 0.039	↓	↓
	0.021 / 0.072	↓	↓
10	0.023 / 0.049	"	"
	0.029 / 0.075	"	"
	0.023 / 0.027	"	"
	0.018 / 0.054	↓	↓
11	0.013 / 0.061	↓	↓
	0.021 / 0.045	↓	↓
	0.019 / 0.062	↓	↓
	0.017 / 0.043	↓	↓
12	0.029 / 0.041	↓	↓
	0.017 / 0.028	↓	↓
	Lunch	↓	↓
	Lunch	↓	↓
1	0.039 / 0.042	↓	↓
	0.019 / 0.023	↓	↓
	0.021 / 0.034	"	"
	0.020 / 0.024	"	"
2	0.024 / 0.039	↓	↓
	0.026 / 0.044	↓	↓
	0.035 / 0.037	↓	↓
	0.026 / 0.049	↓	↓
3	0.021 / 0.023	↓	↓
	0.024 / 0.076	↓	↓
	0.026 / 0.034	"	"
	0.021 / 0.045	"	"

wind changed  
↓  
now upwind is  
downwind &  
Vice versa

Done

5/2/2008 Wind: E 5

Backgrounds:

U 0.093

D 0.097

Locations:

U NE corner

D N center lot

### Work Zone Perimeter Air Monitoring Log – Particulates

VOC

Time	Concentration (mg/m <sup>3</sup> )	Dust observed off-site (Y/N)	
8:00	0.110 / 0.113	0.0 / 0.0	No
	0.109 / 0.110	"	"
	0.098 / 0.101	"	"
	0.100 / 0.097	"	"
9	0.094 / 0.101	"	"
	0.095 / 0.090	"	"
	0.093 / 0.110	"	"
	0.088 / 0.091	"	"
10	0.092 / 0.093	"	"
	0.089 / 0.091	"	"
	0.089 / 0.093	"	"
	0.083 / 0.087	"	"
11	0.083 / 0.101	"	"
	0.079 / 0.095	"	"
	0.079 / 0.083	"	"
	0.073 / 0.079	"	"
12	Lunch		
	Lunch		
	0.098 / 0.113	↓	↓
	0.074 / 0.093	↓	↓
1	0.073 / 0.076	↓	↓
	0.069 / 0.077	↓	↓
	0.074 / 0.083	↓	↓
	0.075 / 0.075	↓	↓
2			
3			

Note:  
Backgrounds were unusually high today despite the fact that it had rained last night & wet down site. But downwind concentrations were close to the upwind concentrations. Concentrations (Both Up & Dn) decreased slightly as it got later in the day.

5/5/2008 Wind SW 5

Backgrounds

U: 0.018  
D: 0.022

### Site Perimeter Air Monitoring Log - Particulates

Locations  
U: N Center Lot  
D: NE Corner.

Time	Concentration (mg/m <sup>3</sup> )	Dust observed off-site (Y/N)	
		U	D
8 <sup>00</sup>	0.019 / 0.024	0.0	No
	0.021 / 0.038	↓	↓
	0.031 / 0.045	↓	↓
	0.018 / 0.105	↓	↓
9 <sup>00</sup>	0.022 / 0.047	↓	↓
	0.010 / 0.018	↓	↓
	0.035 / 0.072	↓	↓
	0.010 / 0.018	↓	↓
10	0.026 / 0.032	↓	↓
	0.032 / 0.034	↓	↓
	0.016 / 0.023	↓	↓
	0.014 / 0.046	↓	↓
11	0.021 / 0.032	↓	↓
	0.015 / 0.047	↓	↓
	0.019 / 0.056	↓	↓
	0.013 / 0.032	↓	↓
12	0.013 / 0.014	↓	↓
	Lunch.	↓	↓
	0.014 / 0.055	↓	↓
	0.011 / 0.036	↓	↓
1	0.016 / 0.076	↓	↓
	0.011 / 0.099	↓	↓
	0.019 / 0.065	↓	↓
	0.014 / 0.024	↓	↓
2	0.014 / 0.043	↓	↓
	0.017 / 0.068	↓	↓
	0.018 / 0.020	↓	↓
	0.021 / 0.032	↓	↓
3	0.039 / 0.105	↓	↓
	0.019 / 0.074	↓	↓
	0.016 / 0.044	↓	↓
	0.058 / 0.068	↓	↓
4	0.025 / 0.069	↓	↓
	0.035 / 0.082	↓	↓
	0.029 / 0.067	↓	↓

430

vicinity of runway L11  
 5/6/08 W: 0-5

Backgrounds:

1:0.009  
 0:0.012

### Site Perimeter Air Monitoring Log - Particulates

Locations:  
 V: N Center Lot  
 D: NE Corner

work stopped  
 prepping  
 machines for  
 demo.

Time	Concentration (mg/m <sup>3</sup> )	Dust observed off-site (Y/N)	
8 <sup>00</sup>	0.021 / 0.027	0.0	No
	0.014 / 0.017	"	"
	0.011 / 0.019	"	"
	0.018 / 0.051	"	"
9 <sup>00</sup>	0.008 / 0.012	"	"
	0.008 / 0.011	"	"
	0.007 / 0.019	"	"
	0.009 / 0.014	"	"
10 <sup>00</sup>	0.003 / 0.012	"	"
	0.006 / 0.026	"	"
	0.016 / 0.032		
	0.012 / 0.026	↓	↓
11 <sup>00</sup>	0.010 / 0.014	↓	↓
	0.019 / 0.085	↓	↓
	0.023 / 0.017	↓	↓
	0.014 / 0.019	↓	↓
12 <sup>00</sup>	0.016 / 0.023	"	"
	0.011 / 0.076	"	"
	0.012 / 0.093	"	"
	Lunch	"	"
1 <sup>00</sup>	Lunch	"	"
	0.011 / 0.014	"	"
	0.009 / 0.017	"	"
	0.008 / 0.042	✓"	"
2 <sup>00</sup>	0.319 / 0.342	0.0 Yes	spoke w/ contractor - wet down area before dropping large wall sections. Ent area wet down after dust cleared.
	0.078 / 0.129	0.0	No
	0.012 / 0.034		
	0.017 / 0.048		
3 <sup>00</sup>	0.007 / 0.018		
	0.009 / 0.024		
	0.010 / 0.021		
	0.015 / 0.025		
4 <sup>00</sup>	0.012 / 0.018		

Large portion

## Work Zone Perimeter Air Monitoring Log – Particulates

Site: Orchard/Whitney ERP - City of Rochester  
 Date: 5/7/08  
 Location: Upwind / Downwind  
 Background: U 0.028 / D 0.038  
 Instrument Used: \_\_\_\_\_  
 Calibrated: \_\_\_\_\_

Time	Concentration (mg/m <sup>3</sup> )	Dust observed off-site (Y/N)	
8:00	0.031 / 0.037	0.0%	No
	0.027 / 0.041	"	"
	0.021 / 0.036	"	"
	No work	"	"
9	0.031 / 0.042	"	"
	0.029 / 0.047	"	"
	0.024 / 0.037	"	"
	0.019 / 0.040		
10	0.021 / 0.029		
	0.022 / 0.027		
	0.020 / 0.021		
	0.016 / 0.037		
11	0.023 / 0.026		
	0.027 / 0.034		
	0.0037 / 0.041		
	0.026 / 0.033		
12	Lunch		
	Lunch		
	0.027 / 0.038		
	0.038 / 0.053		
1	0.024 / 0.039		
	0.028 / 0.053		
	0.037 / 0.046		





## Site Perimeter Air Monitoring Log – Particulates

Site: Orchard / Whitney ERP  
 Date: 5/8/08  
 Location: Upwind / Downwind  
 Background: 0.006 / 0.007  
 Instrument Used: \_\_\_\_\_  
 Calibrated: \_\_\_\_\_

Time	Concentration (mg/m <sup>3</sup> )	Dust observed off-site (Y/N)	
		0.0/0.0	
7:45	0.006 / 0.007	0.0/0.0	NO
8:00	0.009 / 0.034	↓	↓
	0.011 / 0.039		
	0.026 / 0.041		
	0.003 / 0.003		
9:00	0.003 / 0.004	↓	↓
	0.005 / 0.016		
	0.003 / 0.049		
	0.004 / 0.026		
10:00	0.003 / 0.010	"	"
	0.005 / 0.015		
	0.003 / 0.009		
	0.010 / 0.016		
11:00	0.007 / 0.009	0.0/0.0	NO
	0.009 / 0.021		
	0.003 / 0.006		
	0.005 / 0.013		
17:00	0.006 / 0.011	↓	↓
LUNCH			
12:30	0.008 / 0.060	0/0	NO
12:45	0.013 / 0.027	0/0	NO

### Site Perimeter Air Monitoring Log – Particulates

Site: Orchard/Whitney ERP - Whitney Bldg. Demo  
 Date: 5/8/08  
 Location: Upwind / Downwind  
 Background: 0.006 / 0.007  
 Instrument Used: Dustrak  
 Calibrated: \_\_\_\_\_

Time	Concentration (mg/m <sup>3</sup> )	Dust observed off-site (Y/N)	
<u>1<sup>00</sup></u>	<u>0.011 / 0.015</u>	<u>PID</u> <u>0/0</u>	<u>NO</u>
	<u>0.007 / 0.023</u>	↓	↓
	<u>0.021 / 0.044</u>	↓	↓
	<u>0.003 / 0.018</u>	↓	↓
<u>2<sup>00</sup></u>	<u>0.006 / 0.021</u>	↓	↓
	<u>0.014 / 0.030</u>	↓	↓
	<u>0.007 / 0.041</u>	↓	↓
	<u>0.008 / 0.061</u>	↓	↓
<u>3<sup>00</sup></u>	<u>0.010 / 0.049</u>	↓	↓
	<u>0.011 / 0.036</u>	↓	↓
	<u>0.009 / 0.021</u>	↓	↓
	<u>0.007 / 0.014</u>	↓	↓
<u>4<sup>00</sup></u>	<u>0.012 / 0.031</u>	↓	↓

### Site Perimeter Air Monitoring Log – Particulates

Site: Orchard / Whitney ERP  
 Date: 5/9/2008  
 Location: Upwind / Downwind  
 Background: 0.008 / 0.011  
 Instrument Used: DustTrak  
 Calibrated: \_\_\_\_\_

Time	Concentration (mg/m <sup>3</sup> )	Dust observed off-site (Y/N)	
7 <sup>45</sup>	0.008 / 0.011	0.0 / 0.0	No
8 <sup>00</sup>	0.009 / 0.013	↓	↓
	0.007 / 0.024		
	0.013 / 0.018		
	0.007 / 0.012		
9	0.009 / 0.015	↓	↓
	0.010 / 0.013		
	0.010 / 0.017		
	0.010 / 0.021		
10	0.013 / 0.033	↓	↓
	0.011 / 0.038		
	0.017 / 0.026		
	0.035 / 0.056		
11	0.018 / 0.034	↓	↓
	0.029 / 0.032		
	0.021 / 0.034		
	0.039 / 0.028		
12	0.041 / 0.045		
	LUNCH		
	0.018 / 0.035		

## Site Perimeter Air Monitoring Log – Particulates

Site: \_\_\_\_\_ 5/9/08 \_\_\_\_\_

Date: \_\_\_\_\_

Location: Upwind / Downwind \_\_\_\_\_

Background: \_\_\_\_\_

Instrument Used: \_\_\_\_\_

Calibrated: \_\_\_\_\_

Time	Concentration (mg/m <sup>3</sup> )	Dust observed off-site (Y/N)	
<u>1<sup>00</sup></u>	<u>0.024 / 0.043</u>	<u>0.0</u>	<u>No</u>
	<u>0.033 / 0.048</u>	<u>"</u>	<u>"</u>
	<u>0.014 / 0.021</u>	<u>"</u>	<u>"</u>
	<u>0.022 / 0.046</u>	<u>"</u>	<u>"</u>
<u>2</u>	<u>FINISH</u>		
	<u>↳ offsite @ 2pm.</u>		
<u>3</u>			
<u>4</u>			

### Site Perimeter Air Monitoring Log – Particulates

Site: Orchard / Whitney  
 Date: 5/12/08  
 Location: Upwind / Downwind      NW corner / NE corner  
 Background: 0.003 / 0.008  
 Instrument Used: DustTrak  
 Calibrated: \_\_\_\_\_

Time	Concentration (mg/m <sup>3</sup> )	Dust observed off-site (Y/N)	
7:45	0.003/0.008	0.0/0.0	No
8 <sup>00</sup>	0.005 / 0.043	↓	↓
	0.003 / 0.024	↓	↓
	0.008 / 0.027	↓	↓
	0.016 / 0.041	↓	↓
9	0.021 / 0.029	↓	↓
	0.031 / 0.081	↓	↓
	0.024 / 0.036	↓	↓
	0.010 / 0.008	"	"
10	0.006 / 0.008	"	"
	0.003 / 0.106	"	"
	0.008 / 0.048	"	"
	0.003 / 0.044	"	"
11	0.007 / 0.011	"	"
	0.005 / 0.046	"	"
	No Work	"	"
	No Work (0.007/0.013)	"	"
12	0.003 / 0.041	"	"
	Lunch.	"	"
	0.006 / 0.013	"	"
	0.003 / 0.019	"	"
1 <sup>00</sup>	0.007 / 0.022	"	"

## Site Perimeter Air Monitoring Log – Particulates

Site: \_\_\_\_\_  
 Date: 5/12/06  
 Location: Upwind / Downwind  
 Background: \_\_\_\_\_  
 Instrument Used: \_\_\_\_\_  
 Calibrated: \_\_\_\_\_

Time	Concentration (mg/m <sup>3</sup> )	Dust observed off-site (Y/N)	
<u>1<sup>00</sup></u>	<u>0.007 / 0.022</u>	<u>0.0</u>	<u>No</u>
	<u>0.003 / 0.020</u>	<u>"</u>	<u>"</u>
	<u>0.007 / 0.035</u>	<u>"</u>	<u>"</u>
	<u>0.009 / 0.038</u>	<u>"</u>	<u>"</u>
<u>2<sup>00</sup></u>	<u>0.020 / 0.052</u>	<u>"</u>	<u>"</u>
	<u>0.011 / 0.037</u>	<u>"</u>	<u>"</u>
	<u>0.003 / 0.035</u>	<u>"</u>	<u>"</u>
	<u>0.008 / 0.015</u>	<u>↓</u>	<u>↓</u>
<u>3<sup>00</sup></u>	<u>0.010 / 0.018</u>	<u>↓</u>	<u>↓</u>
	<u>0.013 / 0.012</u>	<u>↓</u>	<u>↓</u>
	<u>0.010 / 0.031</u>	<u>↓</u>	<u>↓</u>
	<u>0.007 / 0.022</u>	<u>"</u>	<u>"</u>
<u>4</u>	<u>DONE</u>		

## Site Perimeter Air Monitoring Log – Particulates

Site: Orchard/Whitney  
 Date: 5/13/08  
 Location: Upwind / Downwind  
 Background: 0.015/0.027  
 Instrument Used: Dust+Trak  
 Calibrated: \_\_\_\_\_

Time	Concentration (mg/m <sup>3</sup> )	Dust observed off-site (Y/N)	
7 <sup>45</sup>	0.015 / 0.027	0.0/0.0	No
8 <sup>00</sup>	0.028 / 0.058	"	"
	0.045 / 0.067	"	"
9 <sup>00</sup>	0.025 / 0.053	"	"
	0.041 / 0.091	"	"
	0.013 / 0.061	"	"
	0.036 / 0.087	"	"
	0.024 / 0.031	"	"
10 <sup>00</sup>	0.017 / 0.032	"	"
	0.022 / 0.041	"	"
	0.014 / 0.022	"	"
	0.021 / 0.027	"	"
11 <sup>00</sup>	0.007 / 0.017	"	"
	0.009 / 0.024	"	"
	0.014 / 0.009	"	"
	0.011 / 0.007	"	"
12 <sup>00</sup>	0.023 / 0.040	"	"
	0.019 / 0.061	"	"
	0.037 / 0.088	"	"
	0.012 / 0.023	"	"
	0.041 / 0.037	"	"
	0.044 / 0.072	"	"
	0.013 / 0.021	"	"



## Site Perimeter Air Monitoring Log – Particulates

Site: Orchard/Whitney - Whitney Bldg. Demo - ERP  
 Date: 5/13/08  
 Location: Upwind / Downwind  
 Background: 0.015 / 0.027  
 Instrument Used: DUSTRAK  
 Calibrated: \_\_\_\_\_

Time	Concentration (mg/m <sup>3</sup> )	Dust observed off-site (Y/N)	
<u>1<sup>00</sup></u>	<u>0.009 / 0.024</u>	<u>0 / 0 ppm</u>	<u>N</u>
	<u>0.039 / 0.084</u>	↓	↓
	<u>0.018 / 0.033</u>		
	<u>0.020 / 0.049</u>		
<u>2<sup>00</sup></u>	<u>0.044 / 0.066</u>		
	<u>0.017 / 0.023</u>		
	<u>0.019 / 0.031</u>		
	<u>0.008 / 0.021</u>		
<u>3<sup>00</sup></u>	<u>0.014 / 0.033</u>		
	<u>0.012 / 0.023</u>		
	<u>0.022 / 0.031</u>		
	<u>0.027 / 0.028</u>		
<u>4<sup>00</sup></u>	<u>0.033 / 0.041</u>		

## Work Zone Perimeter Air Monitoring Log – Particulates

Site: Orchard/Whitney ERP  
 Date: 5/14/08  
 Location: Upwind / Downwind      NE corner / N Center  
 Background: 0.013/0.030  
 Instrument Used: DustTrak  
 Calibrated: \_\_\_\_\_

Time	Concentration (mg/m <sup>3</sup> )	Dust observed off-site (Y/N)
7:45	0.013/0.030	0.0/0.0      N
8 <sup>00</sup>	0.017/0.066	↓
	0.033/0.080	
9	0.013/0.031	↓
	0.010/0.050	
	0.012/0.042	↓
	0.031/0.072	
	0.011/0.031	↓
	0.040/0.041	
10	0.013/0.044	↓
	0.021/0.031	
	0.013/0.015	↓
	0.017/0.048	
11	0.015/0.045	↓
	0.031/0.021	
12	LUNCH	↓
	LUNCH	
	0.018/0.055	↓
	0.029/0.068	
1	0.035/0.073	↓
	0.027/0.051	
	0.013/0.068	↓
	0.043/0.116	
3	0.038/0.078	↓
	0.026/0.045	
	0.017/0.066	↓
	0.025/0.051	
	0.031/0.024	↓
	0.028/0.076	

No ↓  
 0.0/0.0 →  
 0.019/0.063  
 0.017/0.045  
 TANK



# LU ENGINEERS

Civil and Environmental

2230 Penfield Road  
 PENFIELD, NEW YORK 14526  
 (585) 377-1450  
 FAX (585) 377-1266

JOB TITLE \_\_\_\_\_  
 SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_  
 CALCULATED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 P.I.N. \_\_\_\_\_

Orchard/Whitney ERP - City of Rochester		VOC	Dust Observed offsite?
5/15/08 Wind: wsw 5		%/0	No
Locations: U: N Center D: NE Corner			
Backgrounds: U: 0.013 D: 0.018			
7:45	0.013 / 0.018	↓	↓
8:00	0.020 / 0.031		
	0.026 / 0.029		
	0.013 / 0.016		
	0.011 / 0.008		
9:00	0.011 / 0.048		
	NO WORK		
	NO WORK		
10:00			
↓ NY DOL Onsite		0.013 / 0.010	↓
		0.017 / 0.031	
11:00	0.019 / 0.045		
	0.022 / 0.039		
	0.011 / 0.048		
12:00	0.014 / 0.033		
	0.016 / 0.048		
	LUNCH		
	LUNCH		
1:00	0.009 / 0.060	0.0/0.0	No
	0.010 / 0.022	↓	↓
	0.016 / 0.035		
	0.015 / 0.014		
2:00	0.013 / 0.027		
	0.012 / 0.068		
	0.021 / 0.026		
	0.010 / 0.016		
3:00	0.016 / 0.025		
	0.013 / 0.018		
	0.017 / 0.025		
4:00	DONE		



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PENFIELD, NEW YORK 14526

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FAX (585) 377-1266

JOB TITLE \_\_\_\_\_

SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_

CALCULATED BY \_\_\_\_\_ DATE \_\_\_\_\_

CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_

P.I.N. \_\_\_\_\_

Orchard/Whitney ERP

City of Rochester

5/16/2008 Wind: W 5±

Backgrounds: 0.022/0.028

Location - N. Center Lot D: SW Corner

	<u>Dust Conc <math>\mu\text{g}/\text{m}^3</math></u>	<u>VOC</u>	<u>Dust Observed Offsite?</u>
8:00	0.022/0.028	0%0.0	No
	0.028/0.033	"	"
	0.023/0.068	"	"
	0.038/0.061	"	"
9	0.020/0.045	"	"
	0.028/0.048	"	"
	0.032/0.063	"	"
	0.011/0.021	"	"
10	0.023/0.033	"	"
	0.017/0.049	"	"
	0.033/0.018	"	"
	0.017/0.099	"	"
11	0.023/0.091	"	"
	0.018/0.066	"	"
	0.014/0.041	"	"
	0.017/0.015	"	"
12	0.017/0.015	"	"
	LUNCH	"	"
	LUNCH	"	"
	0.025/0.018	"	"
1	0.013/0.035	"	"
	0.022/0.032	"	"
	0.028/0.027	"	"
	0.019/0.026	"	"
2	DONE		
3			



**LU ENGINEERS**  
Civil and Environmental

2230 Penfield Road  
PENFIELD, NEW YORK 14526  
(585) 377-1450  
FAX (585) 377-1266

JOB TITLE \_\_\_\_\_  
SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_  
CALCULATED BY \_\_\_\_\_ DATE \_\_\_\_\_  
CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_  
P.I.N. \_\_\_\_\_

Orchard/Whitney ERP  
City of Rochester

5/19/2008 Wind: W 20+ mph

Backgrounds: 0.013/0.021

Location: U: N Center Lot D: NE Corner

	<u>Dust Conc. (mg/m<sup>3</sup>)</u>	<u>VOC</u>	<u>Dust Observed Offsite?</u>
8:00	(Working on excavators) 0.013/0.021	0.0	No
9	0.011/0.023	↓	↓
	0.007/0.010		
	0.008/0.005		
	0.006/0.008		
10	0.006/0.007	↓	↓
	0.011/0.008		
	0.007/0.007		
11	0.011/0.013	↓	↓
	0.015/0.021		
	0.006/0.015		
	0.006/0.023		
	0.011/0.017		
12	0.008/0.011	↓	↓
	0.013/0.012		
1	LUNCH	↓	↓
	LUNCH		
	LUNCH		
	0.003/0.014		
2	0.008/0.032	↓	↓
	0.007/0.021		
	0.006/0.026		
	0.008/0.014		
	0.006/0.033		
3	0.011/0.017	↓	↓
	0.032/0.016		
	0.017/0.026		
	0.008/0.019		
	0.016/0.012	↓	↓

Orchard/Whitney ERP  
City of Rochester  
5/20/08 Wind SW 5-10mph  
Location: U: N Center Lot D: NE Corner  
Backgrounds: 0.013/0.016

	Dust Conc. (mg/m <sup>3</sup> )	VOC 0.0/0.0	Dust Observed Offsite? No
8 <sup>00</sup>	0.018/0.023	↓	↓
	0.030/0.048		
	0.006/0.018		
	0.010/0.048		
9	0.011/0.016	↓	↓
	0.008/0.036		
	0.011/0.052		
	0.016/0.109		
10	0.009/0.021	↓	↓
	0.013/0.031		
	0.007/0.035		
	0.009/0.027		
11	0.013/0.043	↓	↓
	0.017/0.036		
	0.011/0.021		
	0.015/0.048		
12	0.016/0.066	↓	↓
	LUNCH		
	LUNCH		
	LUNCH		
1	0.006/0.012	↓	↓
	0.023/0.048		
	0.037/0.042		
	0.016/0.058		
2	0.017/0.027	↓	↓
	0.016/0.035		
	NO WORK		
	0.026/0.030		
3	0.022/0.047	"	"
	0.028/0.067	"	"

DONE

Backgrounds: 0.008/0.021

Location: U: N Center Lot Site Perimeter Air Monitoring Log - Particulates  
 D: NE Corner

VOC

Time	Concentration (mg/m <sup>3</sup> )	Dust observed off-site (Y/N)	
8:30	0.011 / 0.013	0.0	No
	0.007 / 0.021	"	"
9 <sup>00</sup>	0.008 / 0.016	"	"
	0.007 / 0.024	"	"
	0.003 / 0.016	"	"
	0.011 / 0.025	"	"
10	0.012 / 0.012	"	"
	0.008 / 0.016	"	"
	0.012 / 0.033	"	"
	0.011 / 0.015	"	"
11	0.011 / 0.012	"	"
	0.017 / 0.028	"	"
	0.008 / 0.013		
	0.011 / 0.023		
12	LUNCH		
	LUNCH		
	LUNCH		
	0.010 / 0.027		
1	0.010 / 0.033	↓	↓
	0.008 / 0.021	"	"
	0.010 / 0.034	"	"
	0.011 / 0.029	"	"
2	0.017 / 0.021	"	"
	0.013 / 0.012	"	"
	0.010 / 0.021	"	"
	0.011 / 0.013	"	"
3	0.009 / 0.009		
	0.009 / 0.011		
	0.008 / 0.026	↓	↓
4	DONE		

- 5/1/00
- 42°; light rain
- light westerly breeze

Site Perimeter Air Monitoring Log – Particulates

ORCHARD/WHITNEY ERP – WHITNEY BLDG. DEMO

Time	Concentration (mg/m <sup>3</sup> )	Dust observed off-site (Y/N)	
7:30	BACKGROUND: 0.004 upwind	@ NW corner of site	
<del>7:35</del>	UPWIND / DOWNWIND		PID
7:45	0.003 / 0.004	N	0.0
8:00	0.004 / 0.002	N	
8:15	0.006 / 0.003	N	
8:30	0.006 / 0.004	N	
8:45	0.007 / 0.004	N	
9:00	0.008 / 0.005	N	
9:15	0.003 / 0.002	N	
9:30	0.004 / 0.004	N	
9:45	0.005 / 0.009	N	
10:00	0.009 / 0.011	N	
10:15	0.008 / 0.010		
10:30	0.012 / 0.021		
10:45	0.004 / 0.008		
11:00	0.011 / 0.013		
11:15	0.014 / 0.018		
11:30	0.017 / 0.018		
STOP LUNCH 11:45	0.007 / 0.010		
13:00	0.006 / 0.008		
13:15	0.011 / 0.013		
13:30	0.017 / 0.020		
13:45	0.009 / 0.011		
14:00	0.003 / 0.009		
14:15	0.014 / 0.022		
14:30	0.015 / 0.024		
14:45	0.011 / 0.011		
15:00	0.013 / 0.024		
15:15	0.012 / 0.011		
15:30	0.023 / 0.031		
15:45	0.020 / 0.022	↓	↓



5/23/08  
 Wind SW 5-10mph  
 Backgrounds 0.004/0.011

Site Perimeter Air Monitoring Log - Particulates

Locations:  
 U: N Center Lot.  
 D: NE Corner  
 Driving to Orchard St. to check downwind also.

VOC

Time	Concentration (mg/m <sup>3</sup> )	Dust observed off-site (Y/N)	
7:45	0.004/0.011	0.0/0.0	No
8 <sup>00</sup>	0.006/0.017	↓	↓
	0.005/0.023	↓	↓
	0.016/0.029	↓	↓
	0.004/0.013	↓	↓
9	0.004/0.017	↓	↓
	0.006/0.023	↓	↓
	0.006/0.040	↓	↓
	0.007/0.028	↓	↓
10	0.007/0.062	↓	↓
	0.008/0.011	↓	↓
	0.023/0.027	↓	↓
	0.011/0.016	↓	↓
11	0.010/0.021	↓	↓
	0.017/0.034	↓	↓
	0.013/0.011	↓	↓
	0.011/0.036	↓	↓
12	LUNCH	↓	↓
	LUNCH	↓	↓
	LUNCH	↓	↓
	0.006/0.040	↓	↓
1	0.004/0.023	↓	↓
	0.020/0.031	↓	↓
	0.014/0.060	↓	↓
	0.007/0.041	↓	↓
2	0.031/0.053	↓	↓
	DONE		
3			

5/27/08

Backgrounds: 0.013/0.024

Site Perimeter Air Monitoring Log - Particulates

Locations:

U: N Center Lot

D: NE Corner.

Time	Concentration (mg/m <sup>3</sup> )	Dust observed off-site (Y/N)	
7:45	0.013/0.024	0/0.0	No
8 <sup>00</sup>	0.004/0.018	↓	↓
	0.016/0.023	↓	↓
	0.011/0.017	↓	↓
	0.017/0.023	↓	↓
9 <sup>00</sup>	0.007/0.009	↓	↓
	0.003/0.011	↓	↓
	0.006/0.018	↓	↓
	0.006/0.007	↓	↓
10 <sup>00</sup>	0.005/0.012	↓	↓
	0.006/0.009	↓	↓
	0.003/0.017	↓	↓
	0.005/0.012	↓	↓
11 <sup>00</sup>	0.007/0.006	↓	↓
	0.012/0.009	↓	↓
	0.005/0.012	↓	↓
	0.003/0.009	↓	↓
12 <sup>00</sup>	LUNCH	↓	↓
	LUNCH	↓	↓
	LUNCH	↓	↓
1 <sup>00</sup>	0.007/0.016	↓	↓
	0.003/0.011	↓	↓
	0.005/0.013	↓	↓
	0.003/0.009	↓	↓
2 <sup>00</sup>	0.005/0.009	↓	↓
	0.003/0.017	↓	↓
	0.003/0.005	↓	↓
	0.009/0.005	↓	↓
3 <sup>00</sup>	0.003/0.016	↓	↓
	0.005/0.007	↓	↓
	0.002/0.007	↓	↓

DONE

City of Rochester  
 5/28/08 - Wind NE-10mph.

1215

Sheet # 1 of 1

Backgrounds: 0.011/0.023

Locations

Site Perimeter Air Monitoring Log - Particulates

U: N Center Lot

D: S Center Lot  
 (mobile)

Time	Concentration (mg/m <sup>3</sup> )	Dust observed off-site (Y/N)	
Backgrounds 7:45	0.011/0.023	0.0/0.0	No
8 <sup>30</sup>	0.005/0.017	↓	↓
	0.008/0.021	↓	↓
9 <sup>00</sup>	0.003/0.011	↓	↓
	No Work	↓	↓
	0.006/0.019	↓	↓
	0.005/0.003	↓	↓
10	0.017/0.009	↓	↓
	0.012/0.017	↓	↓
	0.005/0.006	↓	↓
	0.003/0.006	↓	↓
11	0.001/0.010	↓	↓
	0.003/0.011	↓	↓
	0.002/0.007	↓	↓
	0.003/0.008	↓	↓
12	0.002/0.008	↓	↓
	LUNCH	↓	↓
	↓	↓	↓
1	"	↓	↓
	"	↓	↓
	0.007/0.048	"	"
2	0.012/0.301	↓	↓
	0.017/0.053	↓	↓
	0.04/8	↓	↓
	0.0/3	↓	↓
0	7/0.021	↓	↓
	0.008/0.023	↓	↓
	0.009/0.023	"	"

Wind: SW

70° Sunny

Site Perimeter Air Monitoring Log - Particulates

4/0

PID

Bckgrnd

Time	Concentration (mg/m <sup>3</sup> )	Dust observed off-site (Y/N)	
0735	.011 / .012	0.0/0.0	N
0830	.025 / .036	0.0/0.0	"
0845	.009 / .018	0.0/0.0	"
0940	.012 / .020	0.0/0.0	"
10 - 1000	.012 / .025	0.0/0.0	"
1015	.015 / .020	"	"
1045	.011 / .012	"	"
11 - 1100	.025 / .012	"	"
1115	.032 / .010	"	"
1130	.029 / .012	"	"
1145	.028 / .040	"	"
1200	.019 / .040	"	"
1 - start up again L → 100	.022 / .040	"	"
115	.019 / .052	"	"
130	.015 / .041	"	"
145	.011 / .044	"	"
2 - 200	.020 / .030	"	"
215	.018 / .026	"	"
230	.050 / .060	"	"
245	.022 / .035	"	"
3 - 300	0.019 / .032	"	"
315	0.015 / .019	"	"

welding  
no excavator  
movement

# Test 002

TB-03 upwind

Instrument		Data Properties	
Model	Dust Trak	Start Date	09/24/2008
Meter S/N	16449	Start Time	08:06:28
		Stop Date	09/24/2008
		Stop Time	09:22:28
		Total Time	0:01:16:00
		Logging Interval	60 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	09/24/2008	08:07:28	0.033
2	09/24/2008	08:08:28	0.039
3	09/24/2008	08:09:28	0.042
4	09/24/2008	08:10:28	0.037
5	09/24/2008	08:11:28	0.039
6	09/24/2008	08:12:28	0.040
7	09/24/2008	08:13:28	0.043
8	09/24/2008	08:14:28	0.041
9	09/24/2008	08:15:28	0.043
10	09/24/2008	08:16:28	0.041
11	09/24/2008	08:17:28	0.044
12	09/24/2008	08:18:28	0.055
13	09/24/2008	08:19:28	0.041
14	09/24/2008	08:20:28	0.043
15	09/24/2008	08:21:28	0.048
16	09/24/2008	08:22:28	0.048
17	09/24/2008	08:23:28	0.048
18	09/24/2008	08:24:28	0.041
19	09/24/2008	08:25:28	0.046
20	09/24/2008	08:26:28	0.043
21	09/24/2008	08:27:28	0.043
22	09/24/2008	08:28:28	0.041
23	09/24/2008	08:29:28	0.042
24	09/24/2008	08:30:28	0.039
25	09/24/2008	08:31:28	0.039
26	09/24/2008	08:32:28	0.038
27	09/24/2008	08:33:28	0.038
28	09/24/2008	08:34:28	0.040
29	09/24/2008	08:35:28	0.037
30	09/24/2008	08:36:28	0.039
31	09/24/2008	08:37:28	0.035
32	09/24/2008	08:38:28	0.035
33	09/24/2008	08:39:28	0.037
34	09/24/2008	08:40:28	0.034
35	09/24/2008	08:41:28	0.033
36	09/24/2008	08:42:28	0.032
37	09/24/2008	08:43:28	0.032
38	09/24/2008	08:44:28	0.030
39	09/24/2008	08:45:28	0.030
40	09/24/2008	08:46:28	0.031
41	09/24/2008	08:47:28	0.029
42	09/24/2008	08:48:28	0.030

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
43	09/24/2008	08:49:28	0.032
44	09/24/2008	08:50:28	0.030
45	09/24/2008	08:51:28	0.030
46	09/24/2008	08:52:28	0.030
47	09/24/2008	08:53:28	0.030
48	09/24/2008	08:54:28	0.030
49	09/24/2008	08:55:28	0.030
50	09/24/2008	08:56:28	0.029
51	09/24/2008	08:57:28	0.031
52	09/24/2008	08:58:28	0.038
53	09/24/2008	08:59:28	0.033
54	09/24/2008	09:00:28	0.032
55	09/24/2008	09:01:28	0.033
56	09/24/2008	09:02:28	0.029
57	09/24/2008	09:03:28	0.029
58	09/24/2008	09:04:28	0.028
59	09/24/2008	09:05:28	0.031
60	09/24/2008	09:06:28	0.031
61	09/24/2008	09:07:28	0.029
62	09/24/2008	09:08:28	0.028
63	09/24/2008	09:09:28	0.030
64	09/24/2008	09:10:28	0.029
65	09/24/2008	09:11:28	0.030
66	09/24/2008	09:12:28	0.030
67	09/24/2008	09:13:28	0.030
68	09/24/2008	09:14:28	0.030
69	09/24/2008	09:15:28	0.030
70	09/24/2008	09:16:28	0.030
71	09/24/2008	09:17:28	0.031
72	09/24/2008	09:18:28	0.030
73	09/24/2008	09:19:28	0.029
74	09/24/2008	09:20:28	0.030
75	09/24/2008	09:21:28	0.026
76	09/24/2008	09:22:28	0.029

# Test 003

MW-7 upwind

Instrument		Data Properties	
Model	Dust Trak	Start Date	09/24/2008
Meter S/N	16449	Start Time	11:09:16
		Stop Date	09/24/2008
		Stop Time	15:32:16
		Total Time	0:04:23:00
		Logging Interval	60 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	09/24/2008	11:10:16	0.038
2	09/24/2008	11:11:16	0.029
3	09/24/2008	11:12:16	0.026
4	09/24/2008	11:13:16	0.026
5	09/24/2008	11:14:16	0.025
6	09/24/2008	11:15:16	0.043
7	09/24/2008	11:16:16	0.028
8	09/24/2008	11:17:16	0.023
9	09/24/2008	11:18:16	0.025
10	09/24/2008	11:19:16	0.024
11	09/24/2008	11:20:16	0.027
12	09/24/2008	11:21:16	0.027
13	09/24/2008	11:22:16	0.025
14	09/24/2008	11:23:16	0.026
15	09/24/2008	11:24:16	0.028
16	09/24/2008	11:25:16	0.025
17	09/24/2008	11:26:16	0.033
18	09/24/2008	11:27:16	0.064
19	09/24/2008	11:28:16	0.041
20	09/24/2008	11:29:16	0.029
21	09/24/2008	11:30:16	0.026
22	09/24/2008	11:31:16	0.024
23	09/24/2008	11:32:16	0.087
24	09/24/2008	11:33:16	0.035
25	09/24/2008	11:34:16	0.028
26	09/24/2008	11:35:16	0.025
27	09/24/2008	11:36:16	0.022
28	09/24/2008	11:37:16	0.023
29	09/24/2008	11:38:16	0.021
30	09/24/2008	11:39:16	0.029
31	09/24/2008	11:40:16	0.025
32	09/24/2008	11:41:16	0.026
33	09/24/2008	11:42:16	0.023
34	09/24/2008	11:43:16	0.022
35	09/24/2008	11:44:16	0.041
36	09/24/2008	11:45:16	0.043
37	09/24/2008	11:46:16	0.034
38	09/24/2008	11:47:16	0.034
39	09/24/2008	11:48:16	0.023
40	09/24/2008	11:49:16	0.023
41	09/24/2008	11:50:16	0.025
42	09/24/2008	11:51:16	0.215

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
43	09/24/2008	11:52:16	0.028
44	09/24/2008	11:53:16	0.024
45	09/24/2008	11:54:16	0.023
46	09/24/2008	11:55:16	0.025
47	09/24/2008	11:56:16	0.023
48	09/24/2008	11:57:16	0.026
49	09/24/2008	11:58:16	0.025
50	09/24/2008	11:59:16	0.025
51	09/24/2008	12:00:16	0.025
52	09/24/2008	12:01:16	0.026
53	09/24/2008	12:02:16	0.026
54	09/24/2008	12:03:16	0.031
55	09/24/2008	12:04:16	0.028
56	09/24/2008	12:05:16	0.029
57	09/24/2008	12:06:16	0.031
58	09/24/2008	12:07:16	0.027
59	09/24/2008	12:08:16	0.034
60	09/24/2008	12:09:16	0.029
61	09/24/2008	12:10:16	0.032
62	09/24/2008	12:11:16	0.039
63	09/24/2008	12:12:16	0.026
64	09/24/2008	12:13:16	0.026
65	09/24/2008	12:14:16	0.031
66	09/24/2008	12:15:16	0.034
67	09/24/2008	12:16:16	0.066
68	09/24/2008	12:17:16	0.043
69	09/24/2008	12:18:16	0.033
70	09/24/2008	12:19:16	0.038
71	09/24/2008	12:20:16	0.030
72	09/24/2008	12:21:16	0.125
73	09/24/2008	12:22:16	0.041
74	09/24/2008	12:23:16	0.027
75	09/24/2008	12:24:16	0.039
76	09/24/2008	12:25:16	0.027
77	09/24/2008	12:26:16	0.026
78	09/24/2008	12:27:16	0.049
79	09/24/2008	12:28:16	0.031
80	09/24/2008	12:29:16	0.027
81	09/24/2008	12:30:16	0.028
82	09/24/2008	12:31:16	0.036
83	09/24/2008	12:32:16	0.033
84	09/24/2008	12:33:16	0.032
85	09/24/2008	12:34:16	0.029
86	09/24/2008	12:35:16	0.028
87	09/24/2008	12:36:16	0.027
88	09/24/2008	12:37:16	0.026
89	09/24/2008	12:38:16	0.118
90	09/24/2008	12:39:16	0.036
91	09/24/2008	12:40:16	0.029
92	09/24/2008	12:41:16	0.030
93	09/24/2008	12:42:16	0.028
94	09/24/2008	12:43:16	0.034
95	09/24/2008	12:44:16	0.031
96	09/24/2008	12:45:16	0.028
97	09/24/2008	12:46:16	0.032



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
98	09/24/2008	12:47:16	0.035
99	09/24/2008	12:48:16	0.029
100	09/24/2008	12:49:16	0.030
101	09/24/2008	12:50:16	0.030
102	09/24/2008	12:51:16	0.031
103	09/24/2008	12:52:16	0.029
104	09/24/2008	12:53:16	0.032
105	09/24/2008	12:54:16	0.031
106	09/24/2008	12:55:16	0.033
107	09/24/2008	12:56:16	0.033
108	09/24/2008	12:57:16	0.032
109	09/24/2008	12:58:16	0.031
110	09/24/2008	12:59:16	0.032
111	09/24/2008	13:00:16	0.031
112	09/24/2008	13:01:16	0.034
113	09/24/2008	13:02:16	0.036
114	09/24/2008	13:03:16	0.081
115	09/24/2008	13:04:16	0.034
116	09/24/2008	13:05:16	0.036
117	09/24/2008	13:06:16	0.034
118	09/24/2008	13:07:16	0.035
119	09/24/2008	13:08:16	0.034
120	09/24/2008	13:09:16	0.067
121	09/24/2008	13:10:16	0.039
122	09/24/2008	13:11:16	0.042
123	09/24/2008	13:12:16	0.036
124	09/24/2008	13:13:16	0.049
125	09/24/2008	13:14:16	0.040
126	09/24/2008	13:15:16	0.036
127	09/24/2008	13:16:16	0.034
128	09/24/2008	13:17:16	0.033
129	09/24/2008	13:18:16	0.035
130	09/24/2008	13:19:16	0.033
131	09/24/2008	13:20:16	0.032
132	09/24/2008	13:21:16	0.030
133	09/24/2008	13:22:16	0.037
134	09/24/2008	13:23:16	0.045
135	09/24/2008	13:24:16	0.039
136	09/24/2008	13:25:16	0.040
137	09/24/2008	13:26:16	0.046
138	09/24/2008	13:27:16	0.038
139	09/24/2008	13:28:16	0.038
140	09/24/2008	13:29:16	0.036
141	09/24/2008	13:30:16	0.035
142	09/24/2008	13:31:16	0.039
143	09/24/2008	13:32:16	0.066
144	09/24/2008	13:33:16	0.073
145	09/24/2008	13:34:16	0.056
146	09/24/2008	13:35:16	0.045
147	09/24/2008	13:36:16	0.038
148	09/24/2008	13:37:16	0.040
149	09/24/2008	13:38:16	0.040
150	09/24/2008	13:39:16	0.042
151	09/24/2008	13:40:16	0.040
152	09/24/2008	13:41:16	0.039

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
153	09/24/2008	13:42:16	0.040
154	09/24/2008	13:43:16	0.084
155	09/24/2008	13:44:16	0.077
156	09/24/2008	13:45:16	0.064
157	09/24/2008	13:46:16	0.037
158	09/24/2008	13:47:16	0.037
159	09/24/2008	13:48:16	0.039
160	09/24/2008	13:49:16	0.039
161	09/24/2008	13:50:16	0.042
162	09/24/2008	13:51:16	0.043
163	09/24/2008	13:52:16	0.044
164	09/24/2008	13:53:16	0.044
165	09/24/2008	13:54:16	0.042
166	09/24/2008	13:55:16	0.090
167	09/24/2008	13:56:16	0.062
168	09/24/2008	13:57:16	0.043
169	09/24/2008	13:58:16	0.050
170	09/24/2008	13:59:16	0.046
171	09/24/2008	14:00:16	0.047
172	09/24/2008	14:01:16	0.046
173	09/24/2008	14:02:16	0.045
174	09/24/2008	14:03:16	0.045
175	09/24/2008	14:04:16	0.045
176	09/24/2008	14:05:16	0.045
177	09/24/2008	14:06:16	0.054
178	09/24/2008	14:07:16	0.054
179	09/24/2008	14:08:16	0.043
180	09/24/2008	14:09:16	0.046
181	09/24/2008	14:10:16	0.044
182	09/24/2008	14:11:16	0.053
183	09/24/2008	14:12:16	0.047
184	09/24/2008	14:13:16	0.046
185	09/24/2008	14:14:16	0.044
186	09/24/2008	14:15:16	0.059
187	09/24/2008	14:16:16	0.048
188	09/24/2008	14:17:16	0.048
189	09/24/2008	14:18:16	0.045
190	09/24/2008	14:19:16	0.046
191	09/24/2008	14:20:16	0.044
192	09/24/2008	14:21:16	0.048
193	09/24/2008	14:22:16	0.045
194	09/24/2008	14:23:16	0.047
195	09/24/2008	14:24:16	0.045
196	09/24/2008	14:25:16	0.045
197	09/24/2008	14:26:16	0.059
198	09/24/2008	14:27:16	0.070
199	09/24/2008	14:28:16	0.100
200	09/24/2008	14:29:16	0.046
201	09/24/2008	14:30:16	0.047
202	09/24/2008	14:31:16	0.047
203	09/24/2008	14:32:16	0.046
204	09/24/2008	14:33:16	0.045
205	09/24/2008	14:34:16	0.045
206	09/24/2008	14:35:16	0.047
207	09/24/2008	14:36:16	0.054

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
208	09/24/2008	14:37:16	0.048
209	09/24/2008	14:38:16	0.093
210	09/24/2008	14:39:16	0.059
211	09/24/2008	14:40:16	0.050
212	09/24/2008	14:41:16	0.047
213	09/24/2008	14:42:16	0.049
214	09/24/2008	14:43:16	0.149
215	09/24/2008	14:44:16	0.049
216	09/24/2008	14:45:16	0.049
217	09/24/2008	14:46:16	0.047
218	09/24/2008	14:47:16	0.055
219	09/24/2008	14:48:16	0.049
220	09/24/2008	14:49:16	0.056
221	09/24/2008	14:50:16	0.063
222	09/24/2008	14:51:16	0.057
223	09/24/2008	14:52:16	0.054
224	09/24/2008	14:53:16	0.067
225	09/24/2008	14:54:16	0.049
226	09/24/2008	14:55:16	0.051
227	09/24/2008	14:56:16	0.073
228	09/24/2008	14:57:16	0.054
229	09/24/2008	14:58:16	0.052
230	09/24/2008	14:59:16	0.052
231	09/24/2008	15:00:16	0.048
232	09/24/2008	15:01:16	0.048
233	09/24/2008	15:02:16	0.048
234	09/24/2008	15:03:16	0.047
235	09/24/2008	15:04:16	0.115
236	09/24/2008	15:05:16	0.066
237	09/24/2008	15:06:16	0.052
238	09/24/2008	15:07:16	0.051
239	09/24/2008	15:08:16	0.049
240	09/24/2008	15:09:16	0.048
241	09/24/2008	15:10:16	0.049
242	09/24/2008	15:11:16	0.062
243	09/24/2008	15:12:16	0.090
244	09/24/2008	15:13:16	0.055
245	09/24/2008	15:14:16	0.049
246	09/24/2008	15:15:16	0.064
247	09/24/2008	15:16:16	0.050
248	09/24/2008	15:17:16	0.048
249	09/24/2008	15:18:16	0.047
250	09/24/2008	15:19:16	0.048
251	09/24/2008	15:20:16	0.049
252	09/24/2008	15:21:16	0.150
253	09/24/2008	15:22:16	0.049
254	09/24/2008	15:23:16	0.047
255	09/24/2008	15:24:16	0.049
256	09/24/2008	15:25:16	0.066
257	09/24/2008	15:26:16	0.077
258	09/24/2008	15:27:16	0.080
259	09/24/2008	15:28:16	0.055
260	09/24/2008	15:29:16	0.052
261	09/24/2008	15:30:16	0.051
262	09/24/2008	15:31:16	0.050

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
263	09/24/2008	15:32:16	0.050

# Test 001

TB-04/ MW-8 Downwind

Instrument		Data Properties	
Model	Dust Trak	Start Date	09/24/2008
Meter S/N	85202283	Start Time	11:04:20
		Stop Date	09/24/2008
		Stop Time	15:38:20
		Total Time	0:04:34:00
		Logging Interval	60 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	09/24/2008	11:05:20	0.009
2	09/24/2008	11:06:20	0.011
3	09/24/2008	11:07:20	0.009
4	09/24/2008	11:08:20	1.442
5	09/24/2008	11:09:20	0.937
6	09/24/2008	11:10:20	0.324
7	09/24/2008	11:11:20	0.297
8	09/24/2008	11:12:20	0.032
9	09/24/2008	11:13:20	0.017
10	09/24/2008	11:14:20	1.046
11	09/24/2008	11:15:20	0.075
12	09/24/2008	11:16:20	0.032
13	09/24/2008	11:17:20	0.013
14	09/24/2008	11:18:20	0.014
15	09/24/2008	11:19:20	0.012
16	09/24/2008	11:20:20	0.017
17	09/24/2008	11:21:20	0.015
18	09/24/2008	11:22:20	0.019
19	09/24/2008	11:23:20	0.010
20	09/24/2008	11:24:20	0.011
21	09/24/2008	11:25:20	0.023
22	09/24/2008	11:26:20	0.020
23	09/24/2008	11:27:20	0.015
24	09/24/2008	11:28:20	0.011
25	09/24/2008	11:29:20	0.012
26	09/24/2008	11:30:20	0.013
27	09/24/2008	11:31:20	0.012
28	09/24/2008	11:32:20	0.012
29	09/24/2008	11:33:20	0.014
30	09/24/2008	11:34:20	0.011
31	09/24/2008	11:35:20	0.008
32	09/24/2008	11:36:20	0.011
33	09/24/2008	11:37:20	0.026
34	09/24/2008	11:38:20	0.012
35	09/24/2008	11:39:20	0.010
36	09/24/2008	11:40:20	0.009
37	09/24/2008	11:41:20	0.010
38	09/24/2008	11:42:20	0.014
39	09/24/2008	11:43:20	0.016
40	09/24/2008	11:44:20	0.016
41	09/24/2008	11:45:20	0.014
42	09/24/2008	11:46:20	0.010

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
43	09/24/2008	11:47:20	0.009
44	09/24/2008	11:48:20	0.018
45	09/24/2008	11:49:20	0.012
46	09/24/2008	11:50:20	0.009
47	09/24/2008	11:51:20	0.010
48	09/24/2008	11:52:20	0.010
49	09/24/2008	11:53:20	0.010
50	09/24/2008	11:54:20	0.010
51	09/24/2008	11:55:20	0.010
52	09/24/2008	11:56:20	0.016
53	09/24/2008	11:57:20	0.013
54	09/24/2008	11:58:20	0.016
55	09/24/2008	11:59:20	0.022
56	09/24/2008	12:00:20	0.022
57	09/24/2008	12:01:20	0.025
58	09/24/2008	12:02:20	0.012
59	09/24/2008	12:03:20	0.012
60	09/24/2008	12:04:20	0.012
61	09/24/2008	12:05:20	0.018
62	09/24/2008	12:06:20	0.020
63	09/24/2008	12:07:20	0.013
64	09/24/2008	12:08:20	0.017
65	09/24/2008	12:09:20	0.011
66	09/24/2008	12:10:20	0.013
67	09/24/2008	12:11:20	0.011
68	09/24/2008	12:12:20	0.011
69	09/24/2008	12:13:20	0.015
70	09/24/2008	12:14:20	0.012
71	09/24/2008	12:15:20	0.015
72	09/24/2008	12:16:20	0.018
73	09/24/2008	12:17:20	0.011
74	09/24/2008	12:18:20	0.010
75	09/24/2008	12:19:20	0.012
76	09/24/2008	12:20:20	0.013
77	09/24/2008	12:21:20	0.011
78	09/24/2008	12:22:20	0.013
79	09/24/2008	12:23:20	0.013
80	09/24/2008	12:24:20	0.012
81	09/24/2008	12:25:20	0.013
82	09/24/2008	12:26:20	0.011
83	09/24/2008	12:27:20	0.020
84	09/24/2008	12:28:20	0.012
85	09/24/2008	12:29:20	0.015
86	09/24/2008	12:30:20	0.015
87	09/24/2008	12:31:20	0.012
88	09/24/2008	12:32:20	0.012
89	09/24/2008	12:33:20	0.011
90	09/24/2008	12:34:20	0.014
91	09/24/2008	12:35:20	0.013
92	09/24/2008	12:36:20	0.012
93	09/24/2008	12:37:20	0.015
94	09/24/2008	12:38:20	0.013
95	09/24/2008	12:39:20	0.013
96	09/24/2008	12:40:20	0.014
97	09/24/2008	12:41:20	0.012

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
98	09/24/2008	12:42:20	0.011
99	09/24/2008	12:43:20	0.012
100	09/24/2008	12:44:20	0.012
101	09/24/2008	12:45:20	0.018
102	09/24/2008	12:46:20	0.011
103	09/24/2008	12:47:20	0.011
104	09/24/2008	12:48:20	0.012
105	09/24/2008	12:49:20	0.012
106	09/24/2008	12:50:20	0.017
107	09/24/2008	12:51:20	0.018
108	09/24/2008	12:52:20	0.019
109	09/24/2008	12:53:20	0.016
110	09/24/2008	12:54:20	0.013
111	09/24/2008	12:55:20	0.013
112	09/24/2008	12:56:20	0.012
113	09/24/2008	12:57:20	0.012
114	09/24/2008	12:58:20	0.012
115	09/24/2008	12:59:20	0.017
116	09/24/2008	13:00:20	0.016
117	09/24/2008	13:01:20	0.014
118	09/24/2008	13:02:20	0.013
119	09/24/2008	13:03:20	0.013
120	09/24/2008	13:04:20	0.014
121	09/24/2008	13:05:20	0.015
122	09/24/2008	13:06:20	0.029
123	09/24/2008	13:07:20	0.015
124	09/24/2008	13:08:20	0.034
125	09/24/2008	13:09:20	0.021
126	09/24/2008	13:10:20	0.026
127	09/24/2008	13:11:20	0.022
128	09/24/2008	13:12:20	0.019
129	09/24/2008	13:13:20	0.018
130	09/24/2008	13:14:20	0.019
131	09/24/2008	13:15:20	0.015
132	09/24/2008	13:16:20	0.013
133	09/24/2008	13:17:20	0.015
134	09/24/2008	13:18:20	0.013
135	09/24/2008	13:19:20	0.014
136	09/24/2008	13:20:20	0.015
137	09/24/2008	13:21:20	0.017
138	09/24/2008	13:22:20	0.016
139	09/24/2008	13:23:20	0.019
140	09/24/2008	13:24:20	0.019
141	09/24/2008	13:25:20	0.015
142	09/24/2008	13:26:20	0.015
143	09/24/2008	13:27:20	0.015
144	09/24/2008	13:28:20	0.015
145	09/24/2008	13:29:20	0.017
146	09/24/2008	13:30:20	0.016
147	09/24/2008	13:31:20	0.017
148	09/24/2008	13:32:20	0.018
149	09/24/2008	13:33:20	0.018
150	09/24/2008	13:34:20	0.016
151	09/24/2008	13:35:20	0.021
152	09/24/2008	13:36:20	0.016

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
153	09/24/2008	13:37:20	0.016
154	09/24/2008	13:38:20	0.017
155	09/24/2008	13:39:20	0.016
156	09/24/2008	13:40:20	0.017
157	09/24/2008	13:41:20	0.016
158	09/24/2008	13:42:20	0.017
159	09/24/2008	13:43:20	0.017
160	09/24/2008	13:44:20	0.016
161	09/24/2008	13:45:20	0.016
162	09/24/2008	13:46:20	0.016
163	09/24/2008	13:47:20	0.016
164	09/24/2008	13:48:20	0.017
165	09/24/2008	13:49:20	0.017
166	09/24/2008	13:50:20	0.017
167	09/24/2008	13:51:20	0.018
168	09/24/2008	13:52:20	0.017
169	09/24/2008	13:53:20	0.018
170	09/24/2008	13:54:20	0.018
171	09/24/2008	13:55:20	0.018
172	09/24/2008	13:56:20	0.018
173	09/24/2008	13:57:20	0.018
174	09/24/2008	13:58:20	0.018
175	09/24/2008	13:59:20	0.018
176	09/24/2008	14:00:20	0.019
177	09/24/2008	14:01:20	0.018
178	09/24/2008	14:02:20	0.018
179	09/24/2008	14:03:20	0.018
180	09/24/2008	14:04:20	0.019
181	09/24/2008	14:05:20	0.017
182	09/24/2008	14:06:20	0.017
183	09/24/2008	14:07:20	0.018
184	09/24/2008	14:08:20	0.020
185	09/24/2008	14:09:20	0.020
186	09/24/2008	14:10:20	0.018
187	09/24/2008	14:11:20	0.018
188	09/24/2008	14:12:20	0.018
189	09/24/2008	14:13:20	0.019
190	09/24/2008	14:14:20	0.018
191	09/24/2008	14:15:20	0.018
192	09/24/2008	14:16:20	0.018
193	09/24/2008	14:17:20	0.018
194	09/24/2008	14:18:20	0.018
195	09/24/2008	14:19:20	0.018
196	09/24/2008	14:20:20	0.017
197	09/24/2008	14:21:20	0.018
198	09/24/2008	14:22:20	0.018
199	09/24/2008	14:23:20	0.018
200	09/24/2008	14:24:20	0.018
201	09/24/2008	14:25:20	0.018
202	09/24/2008	14:26:20	0.018
203	09/24/2008	14:27:20	0.018
204	09/24/2008	14:28:20	0.018
205	09/24/2008	14:29:20	0.019
206	09/24/2008	14:30:20	0.018
207	09/24/2008	14:31:20	0.018



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
208	09/24/2008	14:32:20	0.017
209	09/24/2008	14:33:20	0.018
210	09/24/2008	14:34:20	0.018
211	09/24/2008	14:35:20	0.018
212	09/24/2008	14:36:20	0.018
213	09/24/2008	14:37:20	0.018
214	09/24/2008	14:38:20	0.018
215	09/24/2008	14:39:20	0.018
216	09/24/2008	14:40:20	0.019
217	09/24/2008	14:41:20	0.019
218	09/24/2008	14:42:20	0.019
219	09/24/2008	14:43:20	0.018
220	09/24/2008	14:44:20	0.019
221	09/24/2008	14:45:20	0.019
222	09/24/2008	14:46:20	0.020
223	09/24/2008	14:47:20	0.019
224	09/24/2008	14:48:20	0.019
225	09/24/2008	14:49:20	0.020
226	09/24/2008	14:50:20	0.018
227	09/24/2008	14:51:20	0.021
228	09/24/2008	14:52:20	0.019
229	09/24/2008	14:53:20	0.024
230	09/24/2008	14:54:20	0.021
231	09/24/2008	14:55:20	0.022
232	09/24/2008	14:56:20	0.019
233	09/24/2008	14:57:20	0.020
234	09/24/2008	14:58:20	0.018
235	09/24/2008	14:59:20	0.021
236	09/24/2008	15:00:20	0.021
237	09/24/2008	15:01:20	0.019
238	09/24/2008	15:02:20	0.019
239	09/24/2008	15:03:20	0.018
240	09/24/2008	15:04:20	0.018
241	09/24/2008	15:05:20	0.018
242	09/24/2008	15:06:20	0.019
243	09/24/2008	15:07:20	0.018
244	09/24/2008	15:08:20	0.019
245	09/24/2008	15:09:20	0.021
246	09/24/2008	15:10:20	0.023
247	09/24/2008	15:11:20	0.023
248	09/24/2008	15:12:20	0.025
249	09/24/2008	15:13:20	0.024
250	09/24/2008	15:14:20	0.018
251	09/24/2008	15:15:20	0.019
252	09/24/2008	15:16:20	0.018
253	09/24/2008	15:17:20	0.018
254	09/24/2008	15:18:20	0.018
255	09/24/2008	15:19:20	0.018
256	09/24/2008	15:20:20	0.018
257	09/24/2008	15:21:20	0.019
258	09/24/2008	15:22:20	0.018
259	09/24/2008	15:23:20	0.018
260	09/24/2008	15:24:20	0.019
261	09/24/2008	15:25:20	0.018
262	09/24/2008	15:26:20	0.019

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
263	09/24/2008	15:27:20	0.020
264	09/24/2008	15:28:20	0.021
265	09/24/2008	15:29:20	0.018
266	09/24/2008	15:30:20	0.019
267	09/24/2008	15:31:20	0.018
268	09/24/2008	15:32:20	0.018
269	09/24/2008	15:33:20	0.018
270	09/24/2008	15:34:20	0.019
271	09/24/2008	15:35:20	0.018
272	09/24/2008	15:36:20	0.018
273	09/24/2008	15:37:20	0.019
274	09/24/2008	15:38:20	0.018

# Test 001

Instrument		Data Properties	
Model	Dust Trak	Start Date	09/25/2008
Meter S/N	16449	Start Time	07:53:36
		Stop Date	09/25/2008
		Stop Time	14:50:10
		Total Time	0:06:56:34
		Logging Interval	1 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	09/25/2008	07:53:37	0.076
2	09/25/2008	07:53:38	0.082
3	09/25/2008	07:53:39	0.093
4	09/25/2008	07:53:40	0.081
5	09/25/2008	07:53:41	0.098
6	09/25/2008	07:53:42	0.084
7	09/25/2008	07:53:43	0.083
8	09/25/2008	07:53:44	0.079
9	09/25/2008	07:53:45	0.093
10	09/25/2008	07:53:46	0.077
11	09/25/2008	07:53:47	0.083
12	09/25/2008	07:53:48	0.090
13	09/25/2008	07:53:49	0.081
14	09/25/2008	07:53:50	0.083
15	09/25/2008	07:53:51	0.078
16	09/25/2008	07:53:52	0.087
17	09/25/2008	07:53:53	0.091
18	09/25/2008	07:53:54	0.087
19	09/25/2008	07:53:55	0.081
20	09/25/2008	07:53:56	0.089
21	09/25/2008	07:53:57	0.085
22	09/25/2008	07:53:58	0.081
23	09/25/2008	07:53:59	0.086
24	09/25/2008	07:54:00	0.080
25	09/25/2008	07:54:01	0.093
26	09/25/2008	07:54:02	0.080
27	09/25/2008	07:54:03	0.096
28	09/25/2008	07:54:04	0.082
29	09/25/2008	07:54:05	0.092
30	09/25/2008	07:54:06	0.085
31	09/25/2008	07:54:07	0.080
32	09/25/2008	07:54:08	0.113
33	09/25/2008	07:54:09	0.080
34	09/25/2008	07:54:10	0.092
35	09/25/2008	07:54:11	0.085
36	09/25/2008	07:54:12	0.107
37	09/25/2008	07:54:13	0.091
38	09/25/2008	07:54:14	0.081
39	09/25/2008	07:54:15	0.099
40	09/25/2008	07:54:16	0.112
41	09/25/2008	07:54:17	0.098
42	09/25/2008	07:54:18	0.085
43	09/25/2008	07:54:19	0.084

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	09/25/2008	07:54:20	0.156
45	09/25/2008	07:54:21	0.082
46	09/25/2008	07:54:22	0.100
47	09/25/2008	07:54:23	0.084
48	09/25/2008	07:54:24	0.135
49	09/25/2008	07:54:25	0.085
50	09/25/2008	07:54:26	0.088
51	09/25/2008	07:54:27	0.083
52	09/25/2008	07:54:28	0.086
53	09/25/2008	07:54:29	0.088
54	09/25/2008	07:54:30	0.081
55	09/25/2008	07:54:31	0.086
56	09/25/2008	07:54:32	0.085
57	09/25/2008	07:54:33	0.087
58	09/25/2008	07:54:34	0.091
59	09/25/2008	07:54:35	0.085
60	09/25/2008	07:54:36	0.085
61	09/25/2008	07:54:37	0.082
62	09/25/2008	07:54:38	0.096
63	09/25/2008	07:54:39	0.086
64	09/25/2008	07:54:40	0.120
65	09/25/2008	07:54:41	0.088
66	09/25/2008	07:54:42	0.080
67	09/25/2008	07:54:43	0.080
68	09/25/2008	07:54:44	0.146
69	09/25/2008	07:54:45	0.093
70	09/25/2008	07:54:46	0.083
71	09/25/2008	07:54:47	0.107
72	09/25/2008	07:54:48	0.088
73	09/25/2008	07:54:49	0.082
74	09/25/2008	07:54:50	0.086
75	09/25/2008	07:54:51	0.093
76	09/25/2008	07:54:52	0.091
77	09/25/2008	07:54:53	0.095
78	09/25/2008	07:54:54	0.093
79	09/25/2008	07:54:55	0.118
80	09/25/2008	07:54:56	0.086
81	09/25/2008	07:54:57	0.087
82	09/25/2008	07:54:58	0.084
83	09/25/2008	07:54:59	0.083
84	09/25/2008	07:55:00	0.083
85	09/25/2008	07:55:01	0.083
86	09/25/2008	07:55:02	0.093
87	09/25/2008	07:55:03	0.083
88	09/25/2008	07:55:04	0.086
89	09/25/2008	07:55:05	0.094
90	09/25/2008	07:55:06	0.088
91	09/25/2008	07:55:07	0.083
92	09/25/2008	07:55:08	0.081
93	09/25/2008	07:55:09	0.101
94	09/25/2008	07:55:10	0.089
95	09/25/2008	07:55:11	0.089
96	09/25/2008	07:55:12	0.095
97	09/25/2008	07:55:13	0.096
98	09/25/2008	07:55:14	0.099

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
99	09/25/2008	07:55:15	0.090
100	09/25/2008	07:55:16	0.085
101	09/25/2008	07:55:17	0.099
102	09/25/2008	07:55:18	0.099
103	09/25/2008	07:55:19	0.082
104	09/25/2008	07:55:20	0.088
105	09/25/2008	07:55:21	0.085
106	09/25/2008	07:55:22	0.090
107	09/25/2008	07:55:23	0.087
108	09/25/2008	07:55:24	0.089
109	09/25/2008	07:55:25	0.095
110	09/25/2008	07:55:26	0.088
111	09/25/2008	07:55:27	0.087
112	09/25/2008	07:55:28	0.094
113	09/25/2008	07:55:29	0.094
114	09/25/2008	07:55:30	0.089
115	09/25/2008	07:55:31	0.088
116	09/25/2008	07:55:32	0.095
117	09/25/2008	07:55:33	0.094
118	09/25/2008	07:55:34	0.096
119	09/25/2008	07:55:35	0.095
120	09/25/2008	07:55:36	0.087
121	09/25/2008	07:55:37	0.090
122	09/25/2008	07:55:38	0.114
123	09/25/2008	07:55:39	0.097
124	09/25/2008	07:55:40	0.085
125	09/25/2008	07:55:41	0.109
126	09/25/2008	07:55:42	0.088
127	09/25/2008	07:55:43	0.089
128	09/25/2008	07:55:44	0.089
129	09/25/2008	07:55:45	0.087
130	09/25/2008	07:55:46	0.085
131	09/25/2008	07:55:47	0.089
132	09/25/2008	07:55:48	0.087
133	09/25/2008	07:55:49	0.087
134	09/25/2008	07:55:50	0.090
135	09/25/2008	07:55:51	0.092
136	09/25/2008	07:55:52	0.084
137	09/25/2008	07:55:53	0.093
138	09/25/2008	07:55:54	0.090
139	09/25/2008	07:55:55	0.106
140	09/25/2008	07:55:56	0.093
141	09/25/2008	07:55:57	0.117
142	09/25/2008	07:55:58	0.091
143	09/25/2008	07:55:59	0.087
144	09/25/2008	07:56:00	0.107
145	09/25/2008	07:56:01	0.094
146	09/25/2008	07:56:02	0.085
147	09/25/2008	07:56:03	0.095
148	09/25/2008	07:56:04	0.098
149	09/25/2008	07:56:05	0.087
150	09/25/2008	07:56:06	0.103
151	09/25/2008	07:56:07	0.090
152	09/25/2008	07:56:08	0.174
153	09/25/2008	07:56:09	0.096

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
154	09/25/2008	07:56:10	0.088
155	09/25/2008	07:56:11	0.092
156	09/25/2008	07:56:12	0.086
157	09/25/2008	07:56:13	0.093
158	09/25/2008	07:56:14	0.089
159	09/25/2008	07:56:15	0.096
160	09/25/2008	07:56:16	0.094
161	09/25/2008	07:56:17	0.088
162	09/25/2008	07:56:18	0.095
163	09/25/2008	07:56:19	0.094
164	09/25/2008	07:56:20	0.095
165	09/25/2008	07:56:21	0.084
166	09/25/2008	07:56:22	0.084
167	09/25/2008	07:56:23	0.085
168	09/25/2008	07:56:24	0.095
169	09/25/2008	07:56:25	0.103
170	09/25/2008	07:56:26	0.090
171	09/25/2008	07:56:27	0.092
172	09/25/2008	07:56:28	0.098
173	09/25/2008	07:56:29	0.093
174	09/25/2008	07:56:30	0.094
175	09/25/2008	07:56:31	0.096
176	09/25/2008	07:56:32	0.090
177	09/25/2008	07:56:33	0.090
178	09/25/2008	07:56:34	0.092
179	09/25/2008	07:56:35	0.095
180	09/25/2008	07:56:36	0.094
181	09/25/2008	07:56:37	0.100
182	09/25/2008	07:56:38	0.092
183	09/25/2008	07:56:39	0.091
184	09/25/2008	07:56:40	0.094
185	09/25/2008	07:56:41	0.084
186	09/25/2008	07:56:42	0.093
187	09/25/2008	07:56:43	0.090
188	09/25/2008	07:56:44	0.088
189	09/25/2008	07:56:45	0.093
190	09/25/2008	07:56:46	0.086
191	09/25/2008	07:56:47	0.098
192	09/25/2008	07:56:48	0.102
193	09/25/2008	07:56:49	0.098
194	09/25/2008	07:56:50	0.088
195	09/25/2008	07:56:51	0.094
196	09/25/2008	07:56:52	0.085
197	09/25/2008	07:56:53	0.092
198	09/25/2008	07:56:54	0.093
199	09/25/2008	07:56:55	0.091
200	09/25/2008	07:56:56	0.104
201	09/25/2008	07:56:57	0.088
202	09/25/2008	07:56:58	0.088
203	09/25/2008	07:56:59	0.089
204	09/25/2008	07:57:00	0.094
205	09/25/2008	07:57:01	0.088
206	09/25/2008	07:57:02	0.113
207	09/25/2008	07:57:03	0.094
208	09/25/2008	07:57:04	0.094

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
209	09/25/2008	07:57:05	0.094
210	09/25/2008	07:57:06	0.091
211	09/25/2008	07:57:07	0.084
212	09/25/2008	07:57:08	0.103
213	09/25/2008	07:57:09	0.093
214	09/25/2008	07:57:10	0.086
215	09/25/2008	07:57:11	0.097
216	09/25/2008	07:57:12	0.100
217	09/25/2008	07:57:13	0.089
218	09/25/2008	07:57:14	0.108
219	09/25/2008	07:57:15	0.094
220	09/25/2008	07:57:16	0.092
221	09/25/2008	07:57:17	0.094
222	09/25/2008	07:57:18	0.093
223	09/25/2008	07:57:19	0.092
224	09/25/2008	07:57:20	0.088
225	09/25/2008	07:57:21	0.088
226	09/25/2008	07:57:22	0.123
227	09/25/2008	07:57:23	0.091
228	09/25/2008	07:57:24	0.095
229	09/25/2008	07:57:25	0.087
230	09/25/2008	07:57:26	0.089
231	09/25/2008	07:57:27	0.103
232	09/25/2008	07:57:28	0.112
233	09/25/2008	07:57:29	0.095
234	09/25/2008	07:57:30	0.094
235	09/25/2008	07:57:31	0.090
236	09/25/2008	07:57:32	0.096
237	09/25/2008	07:57:33	0.098
238	09/25/2008	07:57:34	0.090
239	09/25/2008	07:57:35	0.092
240	09/25/2008	07:57:36	0.096
241	09/25/2008	07:57:37	0.083
242	09/25/2008	07:57:38	0.092
243	09/25/2008	07:57:39	0.104
244	09/25/2008	07:57:40	0.093
245	09/25/2008	07:57:41	0.092
246	09/25/2008	07:57:42	0.094
247	09/25/2008	07:57:43	0.092
248	09/25/2008	07:57:44	0.100
249	09/25/2008	07:57:45	0.089
250	09/25/2008	07:57:46	0.091
251	09/25/2008	07:57:47	0.091
252	09/25/2008	07:57:48	0.090
253	09/25/2008	07:57:49	0.105
254	09/25/2008	07:57:50	0.092
255	09/25/2008	07:57:51	0.092
256	09/25/2008	07:57:52	0.110
257	09/25/2008	07:57:53	0.086
258	09/25/2008	07:57:54	0.114
259	09/25/2008	07:57:55	0.086
260	09/25/2008	07:57:56	0.096
261	09/25/2008	07:57:57	0.088
262	09/25/2008	07:57:58	0.091
263	09/25/2008	07:57:59	0.088

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
264	09/25/2008	07:58:00	0.093
265	09/25/2008	07:58:01	0.089
266	09/25/2008	07:58:02	0.094
267	09/25/2008	07:58:03	0.088
268	09/25/2008	07:58:04	0.100
269	09/25/2008	07:58:05	0.099
270	09/25/2008	07:58:06	0.093
271	09/25/2008	07:58:07	0.094
272	09/25/2008	07:58:08	0.086
273	09/25/2008	07:58:09	0.091
274	09/25/2008	07:58:10	0.100
275	09/25/2008	07:58:11	0.086
276	09/25/2008	07:58:12	0.088
277	09/25/2008	07:58:13	0.088
278	09/25/2008	07:58:14	0.094
279	09/25/2008	07:58:15	0.111
280	09/25/2008	07:58:16	0.085
281	09/25/2008	07:58:17	0.095
282	09/25/2008	07:58:18	0.097
283	09/25/2008	07:58:19	0.094
284	09/25/2008	07:58:20	0.091
285	09/25/2008	07:58:21	0.091
286	09/25/2008	07:58:22	0.089
287	09/25/2008	07:58:23	0.098
288	09/25/2008	07:58:24	0.095
289	09/25/2008	07:58:25	0.087
290	09/25/2008	07:58:26	0.093
291	09/25/2008	07:58:27	0.102
292	09/25/2008	07:58:28	0.098
293	09/25/2008	07:58:29	0.093
294	09/25/2008	07:58:30	0.088
295	09/25/2008	07:58:31	0.092
296	09/25/2008	07:58:32	0.085
297	09/25/2008	07:58:33	0.098
298	09/25/2008	07:58:34	0.095
299	09/25/2008	07:58:35	0.092
300	09/25/2008	07:58:36	0.089
301	09/25/2008	07:58:37	0.089
302	09/25/2008	07:58:38	0.095
303	09/25/2008	07:58:39	0.107
304	09/25/2008	07:58:40	0.090
305	09/25/2008	07:58:41	0.112
306	09/25/2008	07:58:42	0.097
307	09/25/2008	07:58:43	0.104
308	09/25/2008	07:58:44	0.086
309	09/25/2008	07:58:45	0.088
310	09/25/2008	07:58:46	0.095
311	09/25/2008	07:58:47	0.103
312	09/25/2008	07:58:48	0.098
313	09/25/2008	07:58:49	0.090
314	09/25/2008	07:58:50	0.097
315	09/25/2008	07:58:51	0.086
316	09/25/2008	07:58:52	0.100
317	09/25/2008	07:58:53	0.114
318	09/25/2008	07:58:54	0.088



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
319	09/25/2008	07:58:55	0.095
320	09/25/2008	07:58:56	0.089
321	09/25/2008	07:58:57	0.095
322	09/25/2008	07:58:58	0.092
323	09/25/2008	07:58:59	0.086
324	09/25/2008	07:59:00	0.094
325	09/25/2008	07:59:01	0.107
326	09/25/2008	07:59:02	0.104
327	09/25/2008	07:59:03	0.095
328	09/25/2008	07:59:04	0.090
329	09/25/2008	07:59:05	0.089
330	09/25/2008	07:59:06	0.091
331	09/25/2008	07:59:07	0.088
332	09/25/2008	07:59:08	0.095
333	09/25/2008	07:59:09	0.091
334	09/25/2008	07:59:10	0.132
335	09/25/2008	07:59:11	0.121
336	09/25/2008	07:59:12	0.091
337	09/25/2008	07:59:13	0.090
338	09/25/2008	07:59:14	0.093
339	09/25/2008	07:59:15	0.102
340	09/25/2008	07:59:16	0.084
341	09/25/2008	07:59:17	0.090
342	09/25/2008	07:59:18	0.086
343	09/25/2008	07:59:19	0.097
344	09/25/2008	07:59:20	0.104
345	09/25/2008	07:59:21	0.099
346	09/25/2008	07:59:22	0.097
347	09/25/2008	07:59:23	0.108
348	09/25/2008	07:59:24	0.097
349	09/25/2008	07:59:25	0.095
350	09/25/2008	07:59:26	0.099
351	09/25/2008	07:59:27	0.092
352	09/25/2008	07:59:28	0.107
353	09/25/2008	07:59:29	0.126
354	09/25/2008	07:59:30	0.098
355	09/25/2008	07:59:31	0.116
356	09/25/2008	07:59:32	0.090
357	09/25/2008	07:59:33	0.092
358	09/25/2008	07:59:34	0.101
359	09/25/2008	07:59:35	0.093
360	09/25/2008	07:59:36	0.094
361	09/25/2008	07:59:37	0.096
362	09/25/2008	07:59:38	0.092
363	09/25/2008	07:59:39	0.098
364	09/25/2008	07:59:40	0.088
365	09/25/2008	07:59:41	0.088
366	09/25/2008	07:59:42	0.113
367	09/25/2008	07:59:43	0.099
368	09/25/2008	07:59:44	0.109
369	09/25/2008	07:59:45	0.111
370	09/25/2008	07:59:46	0.091
371	09/25/2008	07:59:47	0.101
372	09/25/2008	07:59:48	0.102
373	09/25/2008	07:59:49	0.088

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
374	09/25/2008	07:59:50	0.094
375	09/25/2008	07:59:51	0.089
376	09/25/2008	07:59:52	0.093
377	09/25/2008	07:59:53	0.093
378	09/25/2008	07:59:54	0.099
379	09/25/2008	07:59:55	0.097
380	09/25/2008	07:59:56	0.095
381	09/25/2008	07:59:57	0.092
382	09/25/2008	07:59:58	0.111
383	09/25/2008	07:59:59	0.090
384	09/25/2008	08:00:00	0.092
385	09/25/2008	08:00:01	0.092
386	09/25/2008	08:00:02	0.092
387	09/25/2008	08:00:03	0.096
388	09/25/2008	08:00:04	0.101
389	09/25/2008	08:00:05	0.102
390	09/25/2008	08:00:06	0.091
391	09/25/2008	08:00:07	0.128
392	09/25/2008	08:00:08	0.090
393	09/25/2008	08:00:09	0.091
394	09/25/2008	08:00:10	0.095
395	09/25/2008	08:00:11	0.091
396	09/25/2008	08:00:12	0.101
397	09/25/2008	08:00:13	0.091
398	09/25/2008	08:00:14	0.104
399	09/25/2008	08:00:15	0.097
400	09/25/2008	08:00:16	0.095
401	09/25/2008	08:00:17	0.123
402	09/25/2008	08:00:18	0.093
403	09/25/2008	08:00:19	0.094
404	09/25/2008	08:00:20	0.094
405	09/25/2008	08:00:21	0.087
406	09/25/2008	08:00:22	0.096
407	09/25/2008	08:00:23	0.087
408	09/25/2008	08:00:24	0.125
409	09/25/2008	08:00:25	0.097
410	09/25/2008	08:00:26	0.126
411	09/25/2008	08:00:27	0.101
412	09/25/2008	08:00:28	0.090
413	09/25/2008	08:00:29	0.090
414	09/25/2008	08:00:30	0.101
415	09/25/2008	08:00:31	0.088
416	09/25/2008	08:00:32	0.096
417	09/25/2008	08:00:33	0.106
418	09/25/2008	08:00:34	0.099
419	09/25/2008	08:00:35	0.099
420	09/25/2008	08:00:36	0.088
421	09/25/2008	08:00:37	0.125
422	09/25/2008	08:00:38	0.094
423	09/25/2008	08:00:39	0.101
424	09/25/2008	08:00:40	0.088
425	09/25/2008	08:00:41	0.096
426	09/25/2008	08:00:42	0.085
427	09/25/2008	08:00:43	0.089
428	09/25/2008	08:00:44	0.121

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
429	09/25/2008	08:00:45	0.095
430	09/25/2008	08:00:46	0.092
431	09/25/2008	08:00:47	0.091
432	09/25/2008	08:00:48	0.098
433	09/25/2008	08:00:49	0.098
434	09/25/2008	08:00:50	0.098
435	09/25/2008	08:00:51	0.092
436	09/25/2008	08:00:52	0.091
437	09/25/2008	08:00:53	0.109
438	09/25/2008	08:00:54	0.098
439	09/25/2008	08:00:55	0.114
440	09/25/2008	08:00:56	0.091
441	09/25/2008	08:00:57	0.096
442	09/25/2008	08:00:58	0.106
443	09/25/2008	08:00:59	0.094
444	09/25/2008	08:01:00	0.091
445	09/25/2008	08:01:01	0.091
446	09/25/2008	08:01:02	0.092
447	09/25/2008	08:01:03	0.090
448	09/25/2008	08:01:04	0.097
449	09/25/2008	08:01:05	0.097
450	09/25/2008	08:01:06	0.087
451	09/25/2008	08:01:07	0.085
452	09/25/2008	08:01:08	0.091
453	09/25/2008	08:01:09	0.110
454	09/25/2008	08:01:10	0.093
455	09/25/2008	08:01:11	0.111
456	09/25/2008	08:01:12	0.107
457	09/25/2008	08:01:13	0.138
458	09/25/2008	08:01:14	0.103
459	09/25/2008	08:01:15	0.110
460	09/25/2008	08:01:16	0.099
461	09/25/2008	08:01:17	0.098
462	09/25/2008	08:01:18	0.087
463	09/25/2008	08:01:19	0.095
464	09/25/2008	08:01:20	0.108
465	09/25/2008	08:01:21	0.108
466	09/25/2008	08:01:22	0.096
467	09/25/2008	08:01:23	0.102
468	09/25/2008	08:01:24	0.091
469	09/25/2008	08:01:25	0.098
470	09/25/2008	08:01:26	0.095
471	09/25/2008	08:01:27	0.118
472	09/25/2008	08:01:28	0.098
473	09/25/2008	08:01:29	0.105
474	09/25/2008	08:01:30	0.099
475	09/25/2008	08:01:31	0.107
476	09/25/2008	08:01:32	0.112
477	09/25/2008	08:01:33	0.097
478	09/25/2008	08:01:34	0.110
479	09/25/2008	08:01:35	0.106
480	09/25/2008	08:01:36	0.102
481	09/25/2008	08:01:37	0.098
482	09/25/2008	08:01:38	0.093
483	09/25/2008	08:01:39	0.095

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
484	09/25/2008	08:01:40	0.094
485	09/25/2008	08:01:41	0.090
486	09/25/2008	08:01:42	0.095
487	09/25/2008	08:01:43	0.091
488	09/25/2008	08:01:44	0.095
489	09/25/2008	08:01:45	0.087
490	09/25/2008	08:01:46	0.110
491	09/25/2008	08:01:47	0.091
492	09/25/2008	08:01:48	0.113
493	09/25/2008	08:01:49	0.095
494	09/25/2008	08:01:50	0.094
495	09/25/2008	08:01:51	0.094
496	09/25/2008	08:01:52	0.094
497	09/25/2008	08:01:53	0.112
498	09/25/2008	08:01:54	0.104
499	09/25/2008	08:01:55	0.109
500	09/25/2008	08:01:56	0.101
501	09/25/2008	08:01:57	0.109
502	09/25/2008	08:01:58	0.104
503	09/25/2008	08:01:59	0.085
504	09/25/2008	08:02:00	0.093
505	09/25/2008	08:02:01	0.093
506	09/25/2008	08:02:02	0.105
507	09/25/2008	08:02:03	0.092
508	09/25/2008	08:02:04	0.094
509	09/25/2008	08:02:05	0.095
510	09/25/2008	08:02:06	0.096
511	09/25/2008	08:02:07	0.087
512	09/25/2008	08:02:08	0.095
513	09/25/2008	08:02:09	0.101
514	09/25/2008	08:02:10	0.095
515	09/25/2008	08:02:11	0.098
516	09/25/2008	08:02:12	0.090
517	09/25/2008	08:02:13	0.098
518	09/25/2008	08:02:14	0.102
519	09/25/2008	08:02:15	0.092
520	09/25/2008	08:02:16	0.087
521	09/25/2008	08:02:17	0.090
522	09/25/2008	08:02:18	0.096
523	09/25/2008	08:02:19	0.089
524	09/25/2008	08:02:20	0.102
525	09/25/2008	08:02:21	0.102
526	09/25/2008	08:02:22	0.088
527	09/25/2008	08:02:23	0.094
528	09/25/2008	08:02:24	0.096
529	09/25/2008	08:02:25	0.087
530	09/25/2008	08:02:26	0.102
531	09/25/2008	08:02:27	0.119
532	09/25/2008	08:02:28	0.090
533	09/25/2008	08:02:29	0.100
534	09/25/2008	08:02:30	0.099
535	09/25/2008	08:02:31	0.091
536	09/25/2008	08:02:32	0.107
537	09/25/2008	08:02:33	0.098
538	09/25/2008	08:02:34	0.088

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
539	09/25/2008	08:02:35	0.129
540	09/25/2008	08:02:36	0.089
541	09/25/2008	08:02:37	0.097
542	09/25/2008	08:02:38	0.096
543	09/25/2008	08:02:39	0.094
544	09/25/2008	08:02:40	0.093
545	09/25/2008	08:02:41	0.091
546	09/25/2008	08:02:42	0.091
547	09/25/2008	08:02:43	0.092
548	09/25/2008	08:02:44	0.099
549	09/25/2008	08:02:45	0.091
550	09/25/2008	08:02:46	0.113
551	09/25/2008	08:02:47	0.090
552	09/25/2008	08:02:48	0.097
553	09/25/2008	08:02:49	0.114
554	09/25/2008	08:02:50	0.088
555	09/25/2008	08:02:51	0.096
556	09/25/2008	08:02:52	0.101
557	09/25/2008	08:02:53	0.094
558	09/25/2008	08:02:54	0.099
559	09/25/2008	08:02:55	0.091
560	09/25/2008	08:02:56	0.090
561	09/25/2008	08:02:57	0.089
562	09/25/2008	08:02:58	0.103
563	09/25/2008	08:02:59	0.092
564	09/25/2008	08:03:00	0.092
565	09/25/2008	08:03:01	0.131
566	09/25/2008	08:03:02	0.087
567	09/25/2008	08:03:03	0.086
568	09/25/2008	08:03:04	0.094
569	09/25/2008	08:03:05	0.105
570	09/25/2008	08:03:06	0.096
571	09/25/2008	08:03:07	0.089
572	09/25/2008	08:03:08	0.091
573	09/25/2008	08:03:09	0.107
574	09/25/2008	08:03:10	0.108
575	09/25/2008	08:03:11	0.102
576	09/25/2008	08:03:12	0.087
577	09/25/2008	08:03:13	0.086
578	09/25/2008	08:03:14	0.098
579	09/25/2008	08:03:15	0.095
580	09/25/2008	08:03:16	0.106
581	09/25/2008	08:03:17	0.098
582	09/25/2008	08:03:18	0.083
583	09/25/2008	08:03:19	0.089
584	09/25/2008	08:03:20	0.110
585	09/25/2008	08:03:21	0.105
586	09/25/2008	08:03:22	0.095
587	09/25/2008	08:03:23	0.109
588	09/25/2008	08:03:24	0.095
589	09/25/2008	08:03:25	0.095
590	09/25/2008	08:03:26	0.138
591	09/25/2008	08:03:27	0.094
592	09/25/2008	08:03:28	0.101
593	09/25/2008	08:03:29	0.094

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
594	09/25/2008	08:03:30	0.095
595	09/25/2008	08:03:31	0.105
596	09/25/2008	08:03:32	0.101
597	09/25/2008	08:03:33	0.106
598	09/25/2008	08:03:34	0.111
599	09/25/2008	08:03:35	0.130
600	09/25/2008	08:03:36	0.099
601	09/25/2008	08:03:37	0.094
602	09/25/2008	08:03:38	0.111
603	09/25/2008	08:03:39	0.110
604	09/25/2008	08:03:40	0.174
605	09/25/2008	08:03:41	0.117
606	09/25/2008	08:03:42	0.107
607	09/25/2008	08:03:43	0.096
608	09/25/2008	08:03:44	0.100
609	09/25/2008	08:03:45	0.096
610	09/25/2008	08:03:46	0.094
611	09/25/2008	08:03:47	0.098
612	09/25/2008	08:03:48	0.102
613	09/25/2008	08:03:49	0.093
614	09/25/2008	08:03:50	0.094
615	09/25/2008	08:03:51	0.088
616	09/25/2008	08:03:52	0.091
617	09/25/2008	08:03:53	0.111
618	09/25/2008	08:03:54	0.091
619	09/25/2008	08:03:55	0.091
620	09/25/2008	08:03:56	0.123
621	09/25/2008	08:03:57	0.099
622	09/25/2008	08:03:58	0.111
623	09/25/2008	08:03:59	0.089
624	09/25/2008	08:04:00	0.106
625	09/25/2008	08:04:01	0.110
626	09/25/2008	08:04:02	0.095
627	09/25/2008	08:04:03	0.093
628	09/25/2008	08:04:04	0.087
629	09/25/2008	08:04:05	0.103
630	09/25/2008	08:04:06	0.090
631	09/25/2008	08:04:07	0.092
632	09/25/2008	08:04:08	0.095
633	09/25/2008	08:04:09	0.089
634	09/25/2008	08:04:10	0.121
635	09/25/2008	08:04:11	0.107
636	09/25/2008	08:04:12	0.095
637	09/25/2008	08:04:13	0.114
638	09/25/2008	08:04:14	0.105
639	09/25/2008	08:04:15	0.087
640	09/25/2008	08:04:16	0.104
641	09/25/2008	08:04:17	0.092
642	09/25/2008	08:04:18	0.099
643	09/25/2008	08:04:19	0.092
644	09/25/2008	08:04:20	0.159
645	09/25/2008	08:04:21	0.094
646	09/25/2008	08:04:22	0.101
647	09/25/2008	08:04:23	0.096
648	09/25/2008	08:04:24	0.097

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
649	09/25/2008	08:04:25	0.088
650	09/25/2008	08:04:26	0.095
651	09/25/2008	08:04:27	0.101
652	09/25/2008	08:04:28	0.095
653	09/25/2008	08:04:29	0.100
654	09/25/2008	08:04:30	0.089
655	09/25/2008	08:04:31	0.088
656	09/25/2008	08:04:32	0.092
657	09/25/2008	08:04:33	0.086
658	09/25/2008	08:04:34	0.109
659	09/25/2008	08:04:35	0.090
660	09/25/2008	08:04:36	0.098
661	09/25/2008	08:04:37	0.118
662	09/25/2008	08:04:38	0.095
663	09/25/2008	08:04:39	0.097
664	09/25/2008	08:04:40	0.105
665	09/25/2008	08:04:41	0.104
666	09/25/2008	08:04:42	0.094
667	09/25/2008	08:04:43	0.097
668	09/25/2008	08:04:44	0.095
669	09/25/2008	08:04:45	0.102
670	09/25/2008	08:04:46	0.096
671	09/25/2008	08:04:47	0.097
672	09/25/2008	08:04:48	0.106
673	09/25/2008	08:04:49	0.094
674	09/25/2008	08:04:50	0.095
675	09/25/2008	08:04:51	0.093
676	09/25/2008	08:04:52	0.224
677	09/25/2008	08:04:53	0.098
678	09/25/2008	08:04:54	0.110
679	09/25/2008	08:04:55	0.143
680	09/25/2008	08:04:56	0.114
681	09/25/2008	08:04:57	0.106
682	09/25/2008	08:04:58	0.131
683	09/25/2008	08:04:59	0.139
684	09/25/2008	08:05:00	0.110
685	09/25/2008	08:05:01	0.106
686	09/25/2008	08:05:02	0.107
687	09/25/2008	08:05:03	0.105
688	09/25/2008	08:05:04	0.102
689	09/25/2008	08:05:05	0.118
690	09/25/2008	08:05:06	0.138
691	09/25/2008	08:05:07	0.151
692	09/25/2008	08:05:08	0.164
693	09/25/2008	08:05:09	0.147
694	09/25/2008	08:05:10	0.123
695	09/25/2008	08:05:11	0.113
696	09/25/2008	08:05:12	0.096
697	09/25/2008	08:05:13	0.123
698	09/25/2008	08:05:14	0.125
699	09/25/2008	08:05:15	0.122
700	09/25/2008	08:05:16	0.098
701	09/25/2008	08:05:17	0.103
702	09/25/2008	08:05:18	0.108
703	09/25/2008	08:05:19	0.097

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
704	09/25/2008	08:05:20	0.094
705	09/25/2008	08:05:21	0.101
706	09/25/2008	08:05:22	0.098
707	09/25/2008	08:05:23	0.095
708	09/25/2008	08:05:24	0.126
709	09/25/2008	08:05:25	0.097
710	09/25/2008	08:05:26	0.091
711	09/25/2008	08:05:27	0.091
712	09/25/2008	08:05:28	0.102
713	09/25/2008	08:05:29	0.087
714	09/25/2008	08:05:30	0.090
715	09/25/2008	08:05:31	0.092
716	09/25/2008	08:05:32	0.095
717	09/25/2008	08:05:33	0.095
718	09/25/2008	08:05:34	0.094
719	09/25/2008	08:05:35	0.095
720	09/25/2008	08:05:36	0.098
721	09/25/2008	08:05:37	0.084
722	09/25/2008	08:05:38	0.099
723	09/25/2008	08:05:39	0.091
724	09/25/2008	08:05:40	0.088
725	09/25/2008	08:05:41	0.109
726	09/25/2008	08:05:42	0.092
727	09/25/2008	08:05:43	0.089
728	09/25/2008	08:05:44	0.091
729	09/25/2008	08:05:45	0.094
730	09/25/2008	08:05:46	0.099
731	09/25/2008	08:05:47	0.089
732	09/25/2008	08:05:48	0.090
733	09/25/2008	08:05:49	0.091
734	09/25/2008	08:05:50	0.087
735	09/25/2008	08:05:51	0.102
736	09/25/2008	08:05:52	0.104
737	09/25/2008	08:05:53	0.092
738	09/25/2008	08:05:54	0.084
739	09/25/2008	08:05:55	0.105
740	09/25/2008	08:05:56	0.102
741	09/25/2008	08:05:57	0.093
742	09/25/2008	08:05:58	0.096
743	09/25/2008	08:05:59	0.095
744	09/25/2008	08:06:00	0.091
745	09/25/2008	08:06:01	0.088
746	09/25/2008	08:06:02	0.094
747	09/25/2008	08:06:03	0.112
748	09/25/2008	08:06:04	0.111
749	09/25/2008	08:06:05	0.104
750	09/25/2008	08:06:06	0.133
751	09/25/2008	08:06:07	0.089
752	09/25/2008	08:06:08	0.092
753	09/25/2008	08:06:09	0.090
754	09/25/2008	08:06:10	0.097
755	09/25/2008	08:06:11	0.089
756	09/25/2008	08:06:12	0.094
757	09/25/2008	08:06:13	0.097
758	09/25/2008	08:06:14	0.093



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
759	09/25/2008	08:06:15	0.089
760	09/25/2008	08:06:16	0.092
761	09/25/2008	08:06:17	0.095
762	09/25/2008	08:06:18	0.116
763	09/25/2008	08:06:19	0.117
764	09/25/2008	08:06:20	0.086
765	09/25/2008	08:06:21	0.086
766	09/25/2008	08:06:22	0.106
767	09/25/2008	08:06:23	0.092
768	09/25/2008	08:06:24	0.093
769	09/25/2008	08:06:25	0.101
770	09/25/2008	08:06:26	0.092
771	09/25/2008	08:06:27	0.093
772	09/25/2008	08:06:28	0.100
773	09/25/2008	08:06:29	0.097
774	09/25/2008	08:06:30	0.092
775	09/25/2008	08:06:31	0.092
776	09/25/2008	08:06:32	0.112
777	09/25/2008	08:06:33	0.094
778	09/25/2008	08:06:34	0.099
779	09/25/2008	08:06:35	0.093
780	09/25/2008	08:06:36	0.094
781	09/25/2008	08:06:37	0.081
782	09/25/2008	08:06:38	0.096
783	09/25/2008	08:06:39	0.091
784	09/25/2008	08:06:40	0.103
785	09/25/2008	08:06:41	0.130
786	09/25/2008	08:06:42	0.092
787	09/25/2008	08:06:43	0.099
788	09/25/2008	08:06:44	0.094
789	09/25/2008	08:06:45	0.092
790	09/25/2008	08:06:46	0.092
791	09/25/2008	08:06:47	0.096
792	09/25/2008	08:06:48	0.091
793	09/25/2008	08:06:49	0.089
794	09/25/2008	08:06:50	0.099
795	09/25/2008	08:06:51	0.098
796	09/25/2008	08:06:52	0.098
797	09/25/2008	08:06:53	0.092
798	09/25/2008	08:06:54	0.099
799	09/25/2008	08:06:55	0.096
800	09/25/2008	08:06:56	0.099
801	09/25/2008	08:06:57	0.088
802	09/25/2008	08:06:58	0.106
803	09/25/2008	08:06:59	0.103
804	09/25/2008	08:07:00	0.082
805	09/25/2008	08:07:01	0.090
806	09/25/2008	08:07:02	0.093
807	09/25/2008	08:07:03	0.088
808	09/25/2008	08:07:04	0.087
809	09/25/2008	08:07:05	0.090
810	09/25/2008	08:07:06	0.130
811	09/25/2008	08:07:07	0.097
812	09/25/2008	08:07:08	0.089
813	09/25/2008	08:07:09	0.089

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
814	09/25/2008	08:07:10	0.096
815	09/25/2008	08:07:11	0.093
816	09/25/2008	08:07:12	0.087
817	09/25/2008	08:07:13	0.091
818	09/25/2008	08:07:14	0.096
819	09/25/2008	08:07:15	0.088
820	09/25/2008	08:07:16	0.100
821	09/25/2008	08:07:17	0.093
822	09/25/2008	08:07:18	0.093
823	09/25/2008	08:07:19	0.083
824	09/25/2008	08:07:20	0.103
825	09/25/2008	08:07:21	0.114
826	09/25/2008	08:07:22	0.100
827	09/25/2008	08:07:23	0.093
828	09/25/2008	08:07:24	0.084
829	09/25/2008	08:07:25	0.108
830	09/25/2008	08:07:26	0.107
831	09/25/2008	08:07:27	0.099
832	09/25/2008	08:07:28	0.095
833	09/25/2008	08:07:29	0.087
834	09/25/2008	08:07:30	0.094
835	09/25/2008	08:07:31	0.094
836	09/25/2008	08:07:32	0.088
837	09/25/2008	08:07:33	0.099
838	09/25/2008	08:07:34	0.093
839	09/25/2008	08:07:35	0.105
840	09/25/2008	08:07:36	0.104
841	09/25/2008	08:07:37	0.120
842	09/25/2008	08:07:38	0.090
843	09/25/2008	08:07:39	0.100
844	09/25/2008	08:07:40	0.089
845	09/25/2008	08:07:41	0.097
846	09/25/2008	08:07:42	0.116
847	09/25/2008	08:07:43	0.102
848	09/25/2008	08:07:44	0.089
849	09/25/2008	08:07:45	0.089
850	09/25/2008	08:07:46	0.086
851	09/25/2008	08:07:47	0.109
852	09/25/2008	08:07:48	0.102
853	09/25/2008	08:07:49	0.089
854	09/25/2008	08:07:50	0.090
855	09/25/2008	08:07:51	0.114
856	09/25/2008	08:07:52	0.112
857	09/25/2008	08:07:53	0.090
858	09/25/2008	08:07:54	0.098
859	09/25/2008	08:07:55	0.092
860	09/25/2008	08:07:56	0.087
861	09/25/2008	08:07:57	0.089
862	09/25/2008	08:07:58	0.105
863	09/25/2008	08:07:59	0.101
864	09/25/2008	08:08:00	0.093
865	09/25/2008	08:08:01	0.090
866	09/25/2008	08:08:02	0.108
867	09/25/2008	08:08:03	0.100
868	09/25/2008	08:08:04	0.095

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
869	09/25/2008	08:08:05	0.091
870	09/25/2008	08:08:06	0.092
871	09/25/2008	08:08:07	0.096
872	09/25/2008	08:08:08	0.084
873	09/25/2008	08:08:09	0.087
874	09/25/2008	08:08:10	0.095
875	09/25/2008	08:08:11	0.091
876	09/25/2008	08:08:12	0.096
877	09/25/2008	08:08:13	0.097
878	09/25/2008	08:08:14	0.089
879	09/25/2008	08:08:15	0.096
880	09/25/2008	08:08:16	0.093
881	09/25/2008	08:08:17	0.093
882	09/25/2008	08:08:18	0.092
883	09/25/2008	08:08:19	0.090
884	09/25/2008	08:08:20	0.091
885	09/25/2008	08:08:21	0.087
886	09/25/2008	08:08:22	0.103
887	09/25/2008	08:08:23	0.114
888	09/25/2008	08:08:24	0.092
889	09/25/2008	08:08:25	0.095
890	09/25/2008	08:08:26	0.090
891	09/25/2008	08:08:27	0.099
892	09/25/2008	08:08:28	0.100
893	09/25/2008	08:08:29	0.086
894	09/25/2008	08:08:30	0.094
895	09/25/2008	08:08:31	0.093
896	09/25/2008	08:08:32	0.087
897	09/25/2008	08:08:33	0.088
898	09/25/2008	08:08:34	0.099
899	09/25/2008	08:08:35	0.094
900	09/25/2008	08:08:36	0.085
901	09/25/2008	08:08:37	0.097
902	09/25/2008	08:08:38	0.090
903	09/25/2008	08:08:39	0.088
904	09/25/2008	08:08:40	0.090
905	09/25/2008	08:08:41	0.101
906	09/25/2008	08:08:42	0.087
907	09/25/2008	08:08:43	0.096
908	09/25/2008	08:08:44	0.098
909	09/25/2008	08:08:45	0.096
910	09/25/2008	08:08:46	0.092
911	09/25/2008	08:08:47	0.092
912	09/25/2008	08:08:48	0.091
913	09/25/2008	08:08:49	0.096
914	09/25/2008	08:08:50	0.096
915	09/25/2008	08:08:51	0.104
916	09/25/2008	08:08:52	0.091
917	09/25/2008	08:08:53	0.105
918	09/25/2008	08:08:54	0.094
919	09/25/2008	08:08:55	0.084
920	09/25/2008	08:08:56	0.086
921	09/25/2008	08:08:57	0.093
922	09/25/2008	08:08:58	0.118
923	09/25/2008	08:08:59	0.100

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
924	09/25/2008	08:09:00	0.091
925	09/25/2008	08:09:01	0.099
926	09/25/2008	08:09:02	0.090
927	09/25/2008	08:09:03	0.118
928	09/25/2008	08:09:04	0.090
929	09/25/2008	08:09:05	0.104
930	09/25/2008	08:09:06	0.099
931	09/25/2008	08:09:07	0.103
932	09/25/2008	08:09:08	0.083
933	09/25/2008	08:09:09	0.089
934	09/25/2008	08:09:10	0.095
935	09/25/2008	08:09:11	0.084
936	09/25/2008	08:09:12	0.137
937	09/25/2008	08:09:13	0.083
938	09/25/2008	08:09:14	0.095
939	09/25/2008	08:09:15	0.089
940	09/25/2008	08:09:16	0.089
941	09/25/2008	08:09:17	0.092
942	09/25/2008	08:09:18	0.091
943	09/25/2008	08:09:19	0.092
944	09/25/2008	08:09:20	0.092
945	09/25/2008	08:09:21	0.094
946	09/25/2008	08:09:22	0.092
947	09/25/2008	08:09:23	0.094
948	09/25/2008	08:09:24	0.084
949	09/25/2008	08:09:25	0.109
950	09/25/2008	08:09:26	0.098
951	09/25/2008	08:09:27	0.093
952	09/25/2008	08:09:28	0.139
953	09/25/2008	08:09:29	0.106
954	09/25/2008	08:09:30	0.090
955	09/25/2008	08:09:31	0.108
956	09/25/2008	08:09:32	0.089
957	09/25/2008	08:09:33	0.091
958	09/25/2008	08:09:34	0.091
959	09/25/2008	08:09:35	0.106
960	09/25/2008	08:09:36	0.089
961	09/25/2008	08:09:37	0.091
962	09/25/2008	08:09:38	0.097
963	09/25/2008	08:09:39	0.088
964	09/25/2008	08:09:40	0.098
965	09/25/2008	08:09:41	0.095
966	09/25/2008	08:09:42	0.095
967	09/25/2008	08:09:43	0.089
968	09/25/2008	08:09:44	0.098
969	09/25/2008	08:09:45	0.092
970	09/25/2008	08:09:46	0.089
971	09/25/2008	08:09:47	0.093
972	09/25/2008	08:09:48	0.092
973	09/25/2008	08:09:49	0.099
974	09/25/2008	08:09:50	0.100
975	09/25/2008	08:09:51	0.110
976	09/25/2008	08:09:52	0.083
977	09/25/2008	08:09:53	0.093
978	09/25/2008	08:09:54	0.096

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
979	09/25/2008	08:09:55	0.089
980	09/25/2008	08:09:56	0.089
981	09/25/2008	08:09:57	0.112
982	09/25/2008	08:09:58	0.102
983	09/25/2008	08:09:59	0.094
984	09/25/2008	08:10:00	0.085
985	09/25/2008	08:10:01	0.088
986	09/25/2008	08:10:02	0.109
987	09/25/2008	08:10:03	0.102
988	09/25/2008	08:10:04	0.088
989	09/25/2008	08:10:05	0.097
990	09/25/2008	08:10:06	0.089
991	09/25/2008	08:10:07	0.087
992	09/25/2008	08:10:08	0.090
993	09/25/2008	08:10:09	0.088
994	09/25/2008	08:10:10	0.092
995	09/25/2008	08:10:11	0.102
996	09/25/2008	08:10:12	0.101
997	09/25/2008	08:10:13	0.097
998	09/25/2008	08:10:14	0.096
999	09/25/2008	08:10:15	0.097
1000	09/25/2008	08:10:16	0.086
1001	09/25/2008	08:10:17	0.097
1002	09/25/2008	08:10:18	0.088
1003	09/25/2008	08:10:19	0.107
1004	09/25/2008	08:10:20	0.090
1005	09/25/2008	08:10:21	0.096
1006	09/25/2008	08:10:22	0.090
1007	09/25/2008	08:10:23	0.237
1008	09/25/2008	08:10:24	0.093
1009	09/25/2008	08:10:25	0.088
1010	09/25/2008	08:10:26	0.096
1011	09/25/2008	08:10:27	0.096
1012	09/25/2008	08:10:28	0.094
1013	09/25/2008	08:10:29	0.091
1014	09/25/2008	08:10:30	0.092
1015	09/25/2008	08:10:31	0.093
1016	09/25/2008	08:10:32	0.092
1017	09/25/2008	08:10:33	0.095
1018	09/25/2008	08:10:34	0.088
1019	09/25/2008	08:10:35	0.090
1020	09/25/2008	08:10:36	0.091
1021	09/25/2008	08:10:37	0.107
1022	09/25/2008	08:10:38	0.093
1023	09/25/2008	08:10:39	0.105
1024	09/25/2008	08:10:40	0.090
1025	09/25/2008	08:10:41	0.092
1026	09/25/2008	08:10:42	0.088
1027	09/25/2008	08:10:43	0.088
1028	09/25/2008	08:10:44	0.105
1029	09/25/2008	08:10:45	0.089
1030	09/25/2008	08:10:46	0.096
1031	09/25/2008	08:10:47	0.094
1032	09/25/2008	08:10:48	0.097
1033	09/25/2008	08:10:49	0.087

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1034	09/25/2008	08:10:50	0.091
1035	09/25/2008	08:10:51	0.089
1036	09/25/2008	08:10:52	0.104
1037	09/25/2008	08:10:53	0.088
1038	09/25/2008	08:10:54	0.088
1039	09/25/2008	08:10:55	0.098
1040	09/25/2008	08:10:56	0.099
1041	09/25/2008	08:10:57	0.101
1042	09/25/2008	08:10:58	0.094
1043	09/25/2008	08:10:59	0.096
1044	09/25/2008	08:11:00	0.095
1045	09/25/2008	08:11:01	0.100
1046	09/25/2008	08:11:02	0.108
1047	09/25/2008	08:11:03	0.099
1048	09/25/2008	08:11:04	0.114
1049	09/25/2008	08:11:05	0.114
1050	09/25/2008	08:11:06	0.164
1051	09/25/2008	08:11:07	0.123
1052	09/25/2008	08:11:08	0.111
1053	09/25/2008	08:11:09	0.145
1054	09/25/2008	08:11:10	0.120
1055	09/25/2008	08:11:11	0.104
1056	09/25/2008	08:11:12	0.089
1057	09/25/2008	08:11:13	0.106
1058	09/25/2008	08:11:14	0.102
1059	09/25/2008	08:11:15	0.090
1060	09/25/2008	08:11:16	0.094
1061	09/25/2008	08:11:17	0.085
1062	09/25/2008	08:11:18	0.091
1063	09/25/2008	08:11:19	0.106
1064	09/25/2008	08:11:20	0.105
1065	09/25/2008	08:11:21	0.112
1066	09/25/2008	08:11:22	0.095
1067	09/25/2008	08:11:23	0.096
1068	09/25/2008	08:11:24	0.093
1069	09/25/2008	08:11:25	0.090
1070	09/25/2008	08:11:26	0.092
1071	09/25/2008	08:11:27	0.101
1072	09/25/2008	08:11:28	0.098
1073	09/25/2008	08:11:29	0.089
1074	09/25/2008	08:11:30	0.101
1075	09/25/2008	08:11:31	0.123
1076	09/25/2008	08:11:32	0.102
1077	09/25/2008	08:11:33	0.103
1078	09/25/2008	08:11:34	0.116
1079	09/25/2008	08:11:35	0.141
1080	09/25/2008	08:11:36	0.097
1081	09/25/2008	08:11:37	0.119
1082	09/25/2008	08:11:38	0.184
1083	09/25/2008	08:11:39	0.105
1084	09/25/2008	08:11:40	0.125
1085	09/25/2008	08:11:41	0.103
1086	09/25/2008	08:11:42	0.099
1087	09/25/2008	08:11:43	0.115
1088	09/25/2008	08:11:44	0.096

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1089	09/25/2008	08:11:45	0.117
1090	09/25/2008	08:11:46	0.106
1091	09/25/2008	08:11:47	0.094
1092	09/25/2008	08:11:48	0.103
1093	09/25/2008	08:11:49	0.134
1094	09/25/2008	08:11:50	0.096
1095	09/25/2008	08:11:51	0.100
1096	09/25/2008	08:11:52	0.085
1097	09/25/2008	08:11:53	0.090
1098	09/25/2008	08:11:54	0.104
1099	09/25/2008	08:11:55	0.091
1100	09/25/2008	08:11:56	0.091
1101	09/25/2008	08:11:57	0.088
1102	09/25/2008	08:11:58	0.110
1103	09/25/2008	08:11:59	0.099
1104	09/25/2008	08:12:00	0.118
1105	09/25/2008	08:12:01	0.092
1106	09/25/2008	08:12:02	0.112
1107	09/25/2008	08:12:03	0.098
1108	09/25/2008	08:12:04	0.103
1109	09/25/2008	08:12:05	0.089
1110	09/25/2008	08:12:06	0.088
1111	09/25/2008	08:12:07	0.084
1112	09/25/2008	08:12:08	0.104
1113	09/25/2008	08:12:09	0.094
1114	09/25/2008	08:12:10	0.110
1115	09/25/2008	08:12:11	0.102
1116	09/25/2008	08:12:12	0.091
1117	09/25/2008	08:12:13	0.109
1118	09/25/2008	08:12:14	0.108
1119	09/25/2008	08:12:15	0.087
1120	09/25/2008	08:12:16	0.088
1121	09/25/2008	08:12:17	0.090
1122	09/25/2008	08:12:18	0.090
1123	09/25/2008	08:12:19	0.087
1124	09/25/2008	08:12:20	0.094
1125	09/25/2008	08:12:21	0.093
1126	09/25/2008	08:12:22	0.089
1127	09/25/2008	08:12:23	0.093
1128	09/25/2008	08:12:24	0.090
1129	09/25/2008	08:12:25	0.087
1130	09/25/2008	08:12:26	0.105
1131	09/25/2008	08:12:27	0.088
1132	09/25/2008	08:12:28	0.086
1133	09/25/2008	08:12:29	0.121
1134	09/25/2008	08:12:30	0.130
1135	09/25/2008	08:12:31	0.084
1136	09/25/2008	08:12:32	0.137
1137	09/25/2008	08:12:33	0.093
1138	09/25/2008	08:12:34	0.084
1139	09/25/2008	08:12:35	0.087
1140	09/25/2008	08:12:36	0.088
1141	09/25/2008	08:12:37	0.093
1142	09/25/2008	08:12:38	0.087
1143	09/25/2008	08:12:39	0.095

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1144	09/25/2008	08:12:40	0.105
1145	09/25/2008	08:12:41	0.099
1146	09/25/2008	08:12:42	0.107
1147	09/25/2008	08:12:43	0.099
1148	09/25/2008	08:12:44	0.102
1149	09/25/2008	08:12:45	0.101
1150	09/25/2008	08:12:46	0.101
1151	09/25/2008	08:12:47	0.103
1152	09/25/2008	08:12:48	0.112
1153	09/25/2008	08:12:49	0.112
1154	09/25/2008	08:12:50	0.094
1155	09/25/2008	08:12:51	0.100
1156	09/25/2008	08:12:52	0.121
1157	09/25/2008	08:12:53	0.103
1158	09/25/2008	08:12:54	0.090
1159	09/25/2008	08:12:55	0.115
1160	09/25/2008	08:12:56	0.091
1161	09/25/2008	08:12:57	0.098
1162	09/25/2008	08:12:58	0.121
1163	09/25/2008	08:12:59	0.092
1164	09/25/2008	08:13:00	0.099
1165	09/25/2008	08:13:01	0.083
1166	09/25/2008	08:13:02	0.096
1167	09/25/2008	08:13:03	0.093
1168	09/25/2008	08:13:04	0.085
1169	09/25/2008	08:13:05	0.105
1170	09/25/2008	08:13:06	0.140
1171	09/25/2008	08:13:07	0.088
1172	09/25/2008	08:13:08	0.104
1173	09/25/2008	08:13:09	0.089
1174	09/25/2008	08:13:10	0.088
1175	09/25/2008	08:13:11	0.102
1176	09/25/2008	08:13:12	0.088
1177	09/25/2008	08:13:13	0.101
1178	09/25/2008	08:13:14	0.086
1179	09/25/2008	08:13:15	0.094
1180	09/25/2008	08:13:16	0.089
1181	09/25/2008	08:13:17	0.093
1182	09/25/2008	08:13:18	0.096
1183	09/25/2008	08:13:19	0.088
1184	09/25/2008	08:13:20	0.087
1185	09/25/2008	08:13:21	0.100
1186	09/25/2008	08:13:22	0.136
1187	09/25/2008	08:13:23	0.096
1188	09/25/2008	08:13:24	0.165
1189	09/25/2008	08:13:25	0.087
1190	09/25/2008	08:13:26	0.085
1191	09/25/2008	08:13:27	0.101
1192	09/25/2008	08:13:28	0.134
1193	09/25/2008	08:13:29	0.092
1194	09/25/2008	08:13:30	0.091
1195	09/25/2008	08:13:31	0.087
1196	09/25/2008	08:13:32	0.098
1197	09/25/2008	08:13:33	0.122
1198	09/25/2008	08:13:34	0.089



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1199	09/25/2008	08:13:35	0.100
1200	09/25/2008	08:13:36	0.088
1201	09/25/2008	08:13:37	0.097
1202	09/25/2008	08:13:38	0.103
1203	09/25/2008	08:13:39	0.114
1204	09/25/2008	08:13:40	0.084
1205	09/25/2008	08:13:41	0.091
1206	09/25/2008	08:13:42	0.092
1207	09/25/2008	08:13:43	0.091
1208	09/25/2008	08:13:44	0.102
1209	09/25/2008	08:13:45	0.089
1210	09/25/2008	08:13:46	0.086
1211	09/25/2008	08:13:47	0.089
1212	09/25/2008	08:13:48	0.082
1213	09/25/2008	08:13:49	0.087
1214	09/25/2008	08:13:50	0.090
1215	09/25/2008	08:13:51	0.090
1216	09/25/2008	08:13:52	0.091
1217	09/25/2008	08:13:53	0.093
1218	09/25/2008	08:13:54	0.134
1219	09/25/2008	08:13:55	0.084
1220	09/25/2008	08:13:56	0.091
1221	09/25/2008	08:13:57	0.098
1222	09/25/2008	08:13:58	0.101
1223	09/25/2008	08:13:59	0.090
1224	09/25/2008	08:14:00	0.091
1225	09/25/2008	08:14:01	0.092
1226	09/25/2008	08:14:02	0.088
1227	09/25/2008	08:14:03	0.093
1228	09/25/2008	08:14:04	0.083
1229	09/25/2008	08:14:05	0.088
1230	09/25/2008	08:14:06	0.093
1231	09/25/2008	08:14:07	0.091
1232	09/25/2008	08:14:08	0.095
1233	09/25/2008	08:14:09	0.151
1234	09/25/2008	08:14:10	0.217
1235	09/25/2008	08:14:11	0.150
1236	09/25/2008	08:14:12	0.119
1237	09/25/2008	08:14:13	0.097
1238	09/25/2008	08:14:14	0.124
1239	09/25/2008	08:14:15	0.096
1240	09/25/2008	08:14:16	0.104
1241	09/25/2008	08:14:17	0.097
1242	09/25/2008	08:14:18	0.093
1243	09/25/2008	08:14:19	0.109
1244	09/25/2008	08:14:20	0.114
1245	09/25/2008	08:14:21	0.089
1246	09/25/2008	08:14:22	0.093
1247	09/25/2008	08:14:23	0.094
1248	09/25/2008	08:14:24	0.095
1249	09/25/2008	08:14:25	0.096
1250	09/25/2008	08:14:26	0.104
1251	09/25/2008	08:14:27	0.095
1252	09/25/2008	08:14:28	0.100
1253	09/25/2008	08:14:29	0.084

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1254	09/25/2008	08:14:30	0.089
1255	09/25/2008	08:14:31	0.088
1256	09/25/2008	08:14:32	0.096
1257	09/25/2008	08:14:33	0.090
1258	09/25/2008	08:14:34	0.084
1259	09/25/2008	08:14:35	0.096
1260	09/25/2008	08:14:36	0.108
1261	09/25/2008	08:14:37	0.088
1262	09/25/2008	08:14:38	0.086
1263	09/25/2008	08:14:39	0.092
1264	09/25/2008	08:14:40	0.116
1265	09/25/2008	08:14:41	0.093
1266	09/25/2008	08:14:42	0.096
1267	09/25/2008	08:14:43	0.092
1268	09/25/2008	08:14:44	0.089
1269	09/25/2008	08:14:45	0.096
1270	09/25/2008	08:14:46	0.102
1271	09/25/2008	08:14:47	0.124
1272	09/25/2008	08:14:48	0.089
1273	09/25/2008	08:14:49	0.092
1274	09/25/2008	08:14:50	0.086
1275	09/25/2008	08:14:51	0.093
1276	09/25/2008	08:14:52	0.088
1277	09/25/2008	08:14:53	0.099
1278	09/25/2008	08:14:54	0.099
1279	09/25/2008	08:14:55	0.091
1280	09/25/2008	08:14:56	0.091
1281	09/25/2008	08:14:57	0.090
1282	09/25/2008	08:14:58	0.097
1283	09/25/2008	08:14:59	0.087
1284	09/25/2008	08:15:00	0.087
1285	09/25/2008	08:15:01	0.105
1286	09/25/2008	08:15:02	0.097
1287	09/25/2008	08:15:03	0.102
1288	09/25/2008	08:15:04	0.092
1289	09/25/2008	08:15:05	0.092
1290	09/25/2008	08:15:06	0.097
1291	09/25/2008	08:15:07	0.094
1292	09/25/2008	08:15:08	0.100
1293	09/25/2008	08:15:09	0.086
1294	09/25/2008	08:15:10	0.098
1295	09/25/2008	08:15:11	0.092
1296	09/25/2008	08:15:12	0.093
1297	09/25/2008	08:15:13	0.120
1298	09/25/2008	08:15:14	0.095
1299	09/25/2008	08:15:15	0.090
1300	09/25/2008	08:15:16	0.088
1301	09/25/2008	08:15:17	0.104
1302	09/25/2008	08:15:18	0.081
1303	09/25/2008	08:15:19	0.095
1304	09/25/2008	08:15:20	0.091
1305	09/25/2008	08:15:21	0.100
1306	09/25/2008	08:15:22	0.107
1307	09/25/2008	08:15:23	0.183
1308	09/25/2008	08:15:24	0.147

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1309	09/25/2008	08:15:25	0.119
1310	09/25/2008	08:15:26	0.090
1311	09/25/2008	08:15:27	0.099
1312	09/25/2008	08:15:28	0.099
1313	09/25/2008	08:15:29	0.093
1314	09/25/2008	08:15:30	0.095
1315	09/25/2008	08:15:31	0.121
1316	09/25/2008	08:15:32	0.105
1317	09/25/2008	08:15:33	0.094
1318	09/25/2008	08:15:34	0.109
1319	09/25/2008	08:15:35	0.093
1320	09/25/2008	08:15:36	0.091
1321	09/25/2008	08:15:37	0.104
1322	09/25/2008	08:15:38	0.124
1323	09/25/2008	08:15:39	0.095
1324	09/25/2008	08:15:40	0.087
1325	09/25/2008	08:15:41	0.089
1326	09/25/2008	08:15:42	0.085
1327	09/25/2008	08:15:43	0.097
1328	09/25/2008	08:15:44	0.088
1329	09/25/2008	08:15:45	0.091
1330	09/25/2008	08:15:46	0.091
1331	09/25/2008	08:15:47	0.089
1332	09/25/2008	08:15:48	0.097
1333	09/25/2008	08:15:49	0.095
1334	09/25/2008	08:15:50	0.103
1335	09/25/2008	08:15:51	0.087
1336	09/25/2008	08:15:52	0.092
1337	09/25/2008	08:15:53	0.087
1338	09/25/2008	08:15:54	0.099
1339	09/25/2008	08:15:55	0.094
1340	09/25/2008	08:15:56	0.089
1341	09/25/2008	08:15:57	0.090
1342	09/25/2008	08:15:58	0.101
1343	09/25/2008	08:15:59	0.106
1344	09/25/2008	08:16:00	0.092
1345	09/25/2008	08:16:01	0.164
1346	09/25/2008	08:16:02	0.090
1347	09/25/2008	08:16:03	0.097
1348	09/25/2008	08:16:04	0.086
1349	09/25/2008	08:16:05	0.105
1350	09/25/2008	08:16:06	0.083
1351	09/25/2008	08:16:07	0.119
1352	09/25/2008	08:16:08	0.102
1353	09/25/2008	08:16:09	0.095
1354	09/25/2008	08:16:10	0.089
1355	09/25/2008	08:16:11	0.091
1356	09/25/2008	08:16:12	0.098
1357	09/25/2008	08:16:13	0.108
1358	09/25/2008	08:16:14	0.099
1359	09/25/2008	08:16:15	0.095
1360	09/25/2008	08:16:16	0.089
1361	09/25/2008	08:16:17	0.096
1362	09/25/2008	08:16:18	0.098
1363	09/25/2008	08:16:19	0.096

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1364	09/25/2008	08:16:20	0.102
1365	09/25/2008	08:16:21	0.103
1366	09/25/2008	08:16:22	0.094
1367	09/25/2008	08:16:23	0.096
1368	09/25/2008	08:16:24	0.102
1369	09/25/2008	08:16:25	0.100
1370	09/25/2008	08:16:26	0.092
1371	09/25/2008	08:16:27	0.089
1372	09/25/2008	08:16:28	0.089
1373	09/25/2008	08:16:29	0.089
1374	09/25/2008	08:16:30	0.096
1375	09/25/2008	08:16:31	0.097
1376	09/25/2008	08:16:32	0.092
1377	09/25/2008	08:16:33	0.084
1378	09/25/2008	08:16:34	0.108
1379	09/25/2008	08:16:35	0.101
1380	09/25/2008	08:16:36	0.131
1381	09/25/2008	08:16:37	0.098
1382	09/25/2008	08:16:38	0.104
1383	09/25/2008	08:16:39	0.094
1384	09/25/2008	08:16:40	0.095
1385	09/25/2008	08:16:41	0.105
1386	09/25/2008	08:16:42	0.101
1387	09/25/2008	08:16:43	0.146
1388	09/25/2008	08:16:44	0.097
1389	09/25/2008	08:16:45	0.088
1390	09/25/2008	08:16:46	0.094
1391	09/25/2008	08:16:47	0.092
1392	09/25/2008	08:16:48	0.090
1393	09/25/2008	08:16:49	0.093
1394	09/25/2008	08:16:50	0.092
1395	09/25/2008	08:16:51	0.145
1396	09/25/2008	08:16:52	0.088
1397	09/25/2008	08:16:53	0.098
1398	09/25/2008	08:16:54	0.081
1399	09/25/2008	08:16:55	0.097
1400	09/25/2008	08:16:56	0.108
1401	09/25/2008	08:16:57	0.088
1402	09/25/2008	08:16:58	0.094
1403	09/25/2008	08:16:59	0.100
1404	09/25/2008	08:17:00	0.093
1405	09/25/2008	08:17:01	0.096
1406	09/25/2008	08:17:02	0.093
1407	09/25/2008	08:17:03	0.093
1408	09/25/2008	08:17:04	0.098
1409	09/25/2008	08:17:05	0.098
1410	09/25/2008	08:17:06	0.093
1411	09/25/2008	08:17:07	0.085
1412	09/25/2008	08:17:08	0.091
1413	09/25/2008	08:17:09	0.087
1414	09/25/2008	08:17:10	0.088
1415	09/25/2008	08:17:11	0.107
1416	09/25/2008	08:17:12	0.105
1417	09/25/2008	08:17:13	0.101
1418	09/25/2008	08:17:14	0.083

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1419	09/25/2008	08:17:15	0.097
1420	09/25/2008	08:17:16	0.093
1421	09/25/2008	08:17:17	0.132
1422	09/25/2008	08:17:18	0.092
1423	09/25/2008	08:17:19	0.173
1424	09/25/2008	08:17:20	0.098
1425	09/25/2008	08:17:21	0.094
1426	09/25/2008	08:17:22	0.089
1427	09/25/2008	08:17:23	0.096
1428	09/25/2008	08:17:24	0.085
1429	09/25/2008	08:17:25	0.114
1430	09/25/2008	08:17:26	0.096
1431	09/25/2008	08:17:27	0.102
1432	09/25/2008	08:17:28	0.088
1433	09/25/2008	08:17:29	0.207
1434	09/25/2008	08:17:30	0.093
1435	09/25/2008	08:17:31	0.094
1436	09/25/2008	08:17:32	0.085
1437	09/25/2008	08:17:33	0.087
1438	09/25/2008	08:17:34	0.088
1439	09/25/2008	08:17:35	0.100
1440	09/25/2008	08:17:36	0.083
1441	09/25/2008	08:17:37	0.081
1442	09/25/2008	08:17:38	0.089
1443	09/25/2008	08:17:39	0.089
1444	09/25/2008	08:17:40	0.095
1445	09/25/2008	08:17:41	0.086
1446	09/25/2008	08:17:42	0.092
1447	09/25/2008	08:17:43	0.086
1448	09/25/2008	08:17:44	0.096
1449	09/25/2008	08:17:45	0.087
1450	09/25/2008	08:17:46	0.118
1451	09/25/2008	08:17:47	0.090
1452	09/25/2008	08:17:48	0.098
1453	09/25/2008	08:17:49	0.095
1454	09/25/2008	08:17:50	0.109
1455	09/25/2008	08:17:51	0.094
1456	09/25/2008	08:17:52	0.094
1457	09/25/2008	08:17:53	0.088
1458	09/25/2008	08:17:54	0.099
1459	09/25/2008	08:17:55	0.081
1460	09/25/2008	08:17:56	0.098
1461	09/25/2008	08:17:57	0.100
1462	09/25/2008	08:17:58	0.093
1463	09/25/2008	08:17:59	0.099
1464	09/25/2008	08:18:00	0.088
1465	09/25/2008	08:18:01	0.088
1466	09/25/2008	08:18:02	0.090
1467	09/25/2008	08:18:03	0.086
1468	09/25/2008	08:18:04	0.090
1469	09/25/2008	08:18:05	0.130
1470	09/25/2008	08:18:06	0.087
1471	09/25/2008	08:18:07	0.087
1472	09/25/2008	08:18:08	0.091
1473	09/25/2008	08:18:09	0.086

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1474	09/25/2008	08:18:10	0.092
1475	09/25/2008	08:18:11	0.114
1476	09/25/2008	08:18:12	0.084
1477	09/25/2008	08:18:13	0.090
1478	09/25/2008	08:18:14	0.089
1479	09/25/2008	08:18:15	0.132
1480	09/25/2008	08:18:16	0.099
1481	09/25/2008	08:18:17	0.099
1482	09/25/2008	08:18:18	0.086
1483	09/25/2008	08:18:19	0.087
1484	09/25/2008	08:18:20	0.084
1485	09/25/2008	08:18:21	0.092
1486	09/25/2008	08:18:22	0.083
1487	09/25/2008	08:18:23	0.089
1488	09/25/2008	08:18:24	0.111
1489	09/25/2008	08:18:25	0.098
1490	09/25/2008	08:18:26	0.095
1491	09/25/2008	08:18:27	0.114
1492	09/25/2008	08:18:28	0.088
1493	09/25/2008	08:18:29	0.087
1494	09/25/2008	08:18:30	0.089
1495	09/25/2008	08:18:31	0.088
1496	09/25/2008	08:18:32	0.085
1497	09/25/2008	08:18:33	0.089
1498	09/25/2008	08:18:34	0.092
1499	09/25/2008	08:18:35	0.095
1500	09/25/2008	08:18:36	0.104
1501	09/25/2008	08:18:37	0.095
1502	09/25/2008	08:18:38	0.085
1503	09/25/2008	08:18:39	0.087
1504	09/25/2008	08:18:40	0.098
1505	09/25/2008	08:18:41	0.090
1506	09/25/2008	08:18:42	0.092
1507	09/25/2008	08:18:43	0.088
1508	09/25/2008	08:18:44	0.092
1509	09/25/2008	08:18:45	0.091
1510	09/25/2008	08:18:46	0.088
1511	09/25/2008	08:18:47	0.098
1512	09/25/2008	08:18:48	0.108
1513	09/25/2008	08:18:49	0.089
1514	09/25/2008	08:18:50	0.128
1515	09/25/2008	08:18:51	0.091
1516	09/25/2008	08:18:52	0.090
1517	09/25/2008	08:18:53	0.092
1518	09/25/2008	08:18:54	0.088
1519	09/25/2008	08:18:55	0.088
1520	09/25/2008	08:18:56	0.084
1521	09/25/2008	08:18:57	0.091
1522	09/25/2008	08:18:58	0.099
1523	09/25/2008	08:18:59	0.091
1524	09/25/2008	08:19:00	0.114
1525	09/25/2008	08:19:01	0.086
1526	09/25/2008	08:19:02	0.089
1527	09/25/2008	08:19:03	0.095
1528	09/25/2008	08:19:04	0.086

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1529	09/25/2008	08:19:05	0.087
1530	09/25/2008	08:19:06	0.089
1531	09/25/2008	08:19:07	0.087
1532	09/25/2008	08:19:08	0.093
1533	09/25/2008	08:19:09	0.092
1534	09/25/2008	08:19:10	0.101
1535	09/25/2008	08:19:11	0.104
1536	09/25/2008	08:19:12	0.093
1537	09/25/2008	08:19:13	0.117
1538	09/25/2008	08:19:14	0.090
1539	09/25/2008	08:19:15	0.086
1540	09/25/2008	08:19:16	0.088
1541	09/25/2008	08:19:17	0.101
1542	09/25/2008	08:19:18	0.104
1543	09/25/2008	08:19:19	0.083
1544	09/25/2008	08:19:20	0.088
1545	09/25/2008	08:19:21	0.086
1546	09/25/2008	08:19:22	0.091
1547	09/25/2008	08:19:23	0.093
1548	09/25/2008	08:19:24	0.091
1549	09/25/2008	08:19:25	0.109
1550	09/25/2008	08:19:26	0.093
1551	09/25/2008	08:19:27	0.084
1552	09/25/2008	08:19:28	0.084
1553	09/25/2008	08:19:29	0.089
1554	09/25/2008	08:19:30	0.100
1555	09/25/2008	08:19:31	0.112
1556	09/25/2008	08:19:32	0.130
1557	09/25/2008	08:19:33	0.093
1558	09/25/2008	08:19:34	0.087
1559	09/25/2008	08:19:35	0.088
1560	09/25/2008	08:19:36	0.093
1561	09/25/2008	08:19:37	0.084
1562	09/25/2008	08:19:38	0.086
1563	09/25/2008	08:19:39	0.101
1564	09/25/2008	08:19:40	0.106
1565	09/25/2008	08:19:41	0.083
1566	09/25/2008	08:19:42	0.093
1567	09/25/2008	08:19:43	0.104
1568	09/25/2008	08:19:44	0.090
1569	09/25/2008	08:19:45	0.105
1570	09/25/2008	08:19:46	0.101
1571	09/25/2008	08:19:47	0.084
1572	09/25/2008	08:19:48	0.099
1573	09/25/2008	08:19:49	0.114
1574	09/25/2008	08:19:50	0.115
1575	09/25/2008	08:19:51	0.108
1576	09/25/2008	08:19:52	0.083
1577	09/25/2008	08:19:53	0.089
1578	09/25/2008	08:19:54	0.088
1579	09/25/2008	08:19:55	0.084
1580	09/25/2008	08:19:56	0.084
1581	09/25/2008	08:19:57	0.079
1582	09/25/2008	08:19:58	0.096
1583	09/25/2008	08:19:59	0.092

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1584	09/25/2008	08:20:00	0.092
1585	09/25/2008	08:20:01	0.089
1586	09/25/2008	08:20:02	0.084
1587	09/25/2008	08:20:03	0.090
1588	09/25/2008	08:20:04	0.120
1589	09/25/2008	08:20:05	0.087
1590	09/25/2008	08:20:06	0.094
1591	09/25/2008	08:20:07	0.090
1592	09/25/2008	08:20:08	0.092
1593	09/25/2008	08:20:09	0.080
1594	09/25/2008	08:20:10	0.092
1595	09/25/2008	08:20:11	0.083
1596	09/25/2008	08:20:12	0.085
1597	09/25/2008	08:20:13	0.082
1598	09/25/2008	08:20:14	0.090
1599	09/25/2008	08:20:15	0.098
1600	09/25/2008	08:20:16	0.083
1601	09/25/2008	08:20:17	0.094
1602	09/25/2008	08:20:18	0.084
1603	09/25/2008	08:20:19	0.090
1604	09/25/2008	08:20:20	0.084
1605	09/25/2008	08:20:21	0.099
1606	09/25/2008	08:20:22	0.090
1607	09/25/2008	08:20:23	0.129
1608	09/25/2008	08:20:24	0.090
1609	09/25/2008	08:20:25	0.094
1610	09/25/2008	08:20:26	0.085
1611	09/25/2008	08:20:27	0.095
1612	09/25/2008	08:20:28	0.099
1613	09/25/2008	08:20:29	0.093
1614	09/25/2008	08:20:30	0.093
1615	09/25/2008	08:20:31	0.091
1616	09/25/2008	08:20:32	0.084
1617	09/25/2008	08:20:33	0.088
1618	09/25/2008	08:20:34	0.089
1619	09/25/2008	08:20:35	0.094
1620	09/25/2008	08:20:36	0.107
1621	09/25/2008	08:20:37	0.090
1622	09/25/2008	08:20:38	0.085
1623	09/25/2008	08:20:39	0.091
1624	09/25/2008	08:20:40	0.089
1625	09/25/2008	08:20:41	0.096
1626	09/25/2008	08:20:42	0.089
1627	09/25/2008	08:20:43	0.105
1628	09/25/2008	08:20:44	0.087
1629	09/25/2008	08:20:45	0.094
1630	09/25/2008	08:20:46	0.103
1631	09/25/2008	08:20:47	0.086
1632	09/25/2008	08:20:48	0.090
1633	09/25/2008	08:20:49	0.085
1634	09/25/2008	08:20:50	0.087
1635	09/25/2008	08:20:51	0.082
1636	09/25/2008	08:20:52	0.098
1637	09/25/2008	08:20:53	0.112
1638	09/25/2008	08:20:54	0.088



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1639	09/25/2008	08:20:55	0.087
1640	09/25/2008	08:20:56	0.132
1641	09/25/2008	08:20:57	0.089
1642	09/25/2008	08:20:58	0.092
1643	09/25/2008	08:20:59	0.094
1644	09/25/2008	08:21:00	0.086
1645	09/25/2008	08:21:01	0.086
1646	09/25/2008	08:21:02	0.095
1647	09/25/2008	08:21:03	0.291
1648	09/25/2008	08:21:04	0.092
1649	09/25/2008	08:21:05	0.086
1650	09/25/2008	08:21:06	0.090
1651	09/25/2008	08:21:07	0.093
1652	09/25/2008	08:21:08	0.091
1653	09/25/2008	08:21:09	0.092
1654	09/25/2008	08:21:10	0.087
1655	09/25/2008	08:21:11	0.093
1656	09/25/2008	08:21:12	0.112
1657	09/25/2008	08:21:13	0.088
1658	09/25/2008	08:21:14	0.081
1659	09/25/2008	08:21:15	0.084
1660	09/25/2008	08:21:16	0.087
1661	09/25/2008	08:21:17	0.083
1662	09/25/2008	08:21:18	0.085
1663	09/25/2008	08:21:19	0.085
1664	09/25/2008	08:21:20	0.092
1665	09/25/2008	08:21:21	0.087
1666	09/25/2008	08:21:22	0.090
1667	09/25/2008	08:21:23	0.091
1668	09/25/2008	08:21:24	0.092
1669	09/25/2008	08:21:25	0.087
1670	09/25/2008	08:21:26	0.103
1671	09/25/2008	08:21:27	0.089
1672	09/25/2008	08:21:28	0.089
1673	09/25/2008	08:21:29	0.095
1674	09/25/2008	08:21:30	0.101
1675	09/25/2008	08:21:31	0.092
1676	09/25/2008	08:21:32	0.091
1677	09/25/2008	08:21:33	0.086
1678	09/25/2008	08:21:34	0.089
1679	09/25/2008	08:21:35	0.094
1680	09/25/2008	08:21:36	0.095
1681	09/25/2008	08:21:37	0.096
1682	09/25/2008	08:21:38	0.089
1683	09/25/2008	08:21:39	0.087
1684	09/25/2008	08:21:40	0.093
1685	09/25/2008	08:21:41	0.083
1686	09/25/2008	08:21:42	0.126
1687	09/25/2008	08:21:43	0.094
1688	09/25/2008	08:21:44	0.098
1689	09/25/2008	08:21:45	0.094
1690	09/25/2008	08:21:46	0.086
1691	09/25/2008	08:21:47	0.094
1692	09/25/2008	08:21:48	0.094
1693	09/25/2008	08:21:49	0.093

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1694	09/25/2008	08:21:50	0.088
1695	09/25/2008	08:21:51	0.094
1696	09/25/2008	08:21:52	0.099
1697	09/25/2008	08:21:53	0.092
1698	09/25/2008	08:21:54	0.117
1699	09/25/2008	08:21:55	0.103
1700	09/25/2008	08:21:56	0.090
1701	09/25/2008	08:21:57	0.098
1702	09/25/2008	08:21:58	0.082
1703	09/25/2008	08:21:59	0.092
1704	09/25/2008	08:22:00	0.093
1705	09/25/2008	08:22:01	0.080
1706	09/25/2008	08:22:02	0.084
1707	09/25/2008	08:22:03	0.090
1708	09/25/2008	08:22:04	0.100
1709	09/25/2008	08:22:05	0.083
1710	09/25/2008	08:22:06	0.087
1711	09/25/2008	08:22:07	0.095
1712	09/25/2008	08:22:08	0.106
1713	09/25/2008	08:22:09	0.086
1714	09/25/2008	08:22:10	0.085
1715	09/25/2008	08:22:11	0.091
1716	09/25/2008	08:22:12	0.092
1717	09/25/2008	08:22:13	0.089
1718	09/25/2008	08:22:14	0.092
1719	09/25/2008	08:22:15	0.093
1720	09/25/2008	08:22:16	0.096
1721	09/25/2008	08:22:17	0.088
1722	09/25/2008	08:22:18	0.086
1723	09/25/2008	08:22:19	0.091
1724	09/25/2008	08:22:20	0.084
1725	09/25/2008	08:22:21	0.087
1726	09/25/2008	08:22:22	0.088
1727	09/25/2008	08:22:23	0.095
1728	09/25/2008	08:22:24	0.098
1729	09/25/2008	08:22:25	0.091
1730	09/25/2008	08:22:26	0.092
1731	09/25/2008	08:22:27	0.101
1732	09/25/2008	08:22:28	0.111
1733	09/25/2008	08:22:29	0.104
1734	09/25/2008	08:22:30	0.085
1735	09/25/2008	08:22:31	0.086
1736	09/25/2008	08:22:32	0.084
1737	09/25/2008	08:22:33	0.086
1738	09/25/2008	08:22:34	0.091
1739	09/25/2008	08:22:35	0.241
1740	09/25/2008	08:22:36	0.088
1741	09/25/2008	08:22:37	0.082
1742	09/25/2008	08:22:38	0.151
1743	09/25/2008	08:22:39	0.088
1744	09/25/2008	08:22:40	0.097
1745	09/25/2008	08:22:41	0.106
1746	09/25/2008	08:22:42	0.095
1747	09/25/2008	08:22:43	0.092
1748	09/25/2008	08:22:44	0.089

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1749	09/25/2008	08:22:45	0.090
1750	09/25/2008	08:22:46	0.100
1751	09/25/2008	08:22:47	0.109
1752	09/25/2008	08:22:48	0.094
1753	09/25/2008	08:22:49	0.138
1754	09/25/2008	08:22:50	0.088
1755	09/25/2008	08:22:51	0.087
1756	09/25/2008	08:22:52	0.090
1757	09/25/2008	08:22:53	0.088
1758	09/25/2008	08:22:54	0.098
1759	09/25/2008	08:22:55	0.116
1760	09/25/2008	08:22:56	0.097
1761	09/25/2008	08:22:57	0.095
1762	09/25/2008	08:22:58	0.087
1763	09/25/2008	08:22:59	0.099
1764	09/25/2008	08:23:00	0.091
1765	09/25/2008	08:23:01	0.091
1766	09/25/2008	08:23:02	0.109
1767	09/25/2008	08:23:03	0.085
1768	09/25/2008	08:23:04	0.098
1769	09/25/2008	08:23:05	0.090
1770	09/25/2008	08:23:06	0.088
1771	09/25/2008	08:23:07	0.093
1772	09/25/2008	08:23:08	0.098
1773	09/25/2008	08:23:09	0.092
1774	09/25/2008	08:23:10	0.096
1775	09/25/2008	08:23:11	0.113
1776	09/25/2008	08:23:12	0.086
1777	09/25/2008	08:23:13	0.089
1778	09/25/2008	08:23:14	0.083
1779	09/25/2008	08:23:15	0.085
1780	09/25/2008	08:23:16	0.087
1781	09/25/2008	08:23:17	0.095
1782	09/25/2008	08:23:18	0.091
1783	09/25/2008	08:23:19	0.099
1784	09/25/2008	08:23:20	0.088
1785	09/25/2008	08:23:21	0.180
1786	09/25/2008	08:23:22	0.104
1787	09/25/2008	08:23:23	0.098
1788	09/25/2008	08:23:24	0.101
1789	09/25/2008	08:23:25	0.099
1790	09/25/2008	08:23:26	0.094
1791	09/25/2008	08:23:27	0.095
1792	09/25/2008	08:23:28	0.096
1793	09/25/2008	08:23:29	0.091
1794	09/25/2008	08:23:30	0.096
1795	09/25/2008	08:23:31	0.094
1796	09/25/2008	08:23:32	0.097
1797	09/25/2008	08:23:33	0.091
1798	09/25/2008	08:23:34	0.099
1799	09/25/2008	08:23:35	0.095
1800	09/25/2008	08:23:36	0.102
1801	09/25/2008	08:23:37	0.091
1802	09/25/2008	08:23:38	0.085
1803	09/25/2008	08:23:39	0.090

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1804	09/25/2008	08:23:40	0.109
1805	09/25/2008	08:23:41	0.086
1806	09/25/2008	08:23:42	0.087
1807	09/25/2008	08:23:43	0.101
1808	09/25/2008	08:23:44	0.087
1809	09/25/2008	08:23:45	0.098
1810	09/25/2008	08:23:46	0.102
1811	09/25/2008	08:23:47	0.083
1812	09/25/2008	08:23:48	0.089
1813	09/25/2008	08:23:49	0.089
1814	09/25/2008	08:23:50	0.092
1815	09/25/2008	08:23:51	0.093
1816	09/25/2008	08:23:52	0.101
1817	09/25/2008	08:23:53	0.092
1818	09/25/2008	08:23:54	0.084
1819	09/25/2008	08:23:55	0.091
1820	09/25/2008	08:23:56	0.087
1821	09/25/2008	08:23:57	0.092
1822	09/25/2008	08:23:58	0.083
1823	09/25/2008	08:23:59	0.092
1824	09/25/2008	08:24:00	0.096
1825	09/25/2008	08:24:01	0.085
1826	09/25/2008	08:24:02	0.089
1827	09/25/2008	08:24:03	0.088
1828	09/25/2008	08:24:04	0.097
1829	09/25/2008	08:24:05	0.093
1830	09/25/2008	08:24:06	0.103
1831	09/25/2008	08:24:07	0.091
1832	09/25/2008	08:24:08	0.094
1833	09/25/2008	08:24:09	0.140
1834	09/25/2008	08:24:10	0.112
1835	09/25/2008	08:24:11	0.091
1836	09/25/2008	08:24:12	0.087
1837	09/25/2008	08:24:13	0.100
1838	09/25/2008	08:24:14	0.089
1839	09/25/2008	08:24:15	0.088
1840	09/25/2008	08:24:16	0.083
1841	09/25/2008	08:24:17	0.085
1842	09/25/2008	08:24:18	0.093
1843	09/25/2008	08:24:19	0.081
1844	09/25/2008	08:24:20	0.088
1845	09/25/2008	08:24:21	0.091
1846	09/25/2008	08:24:22	0.091
1847	09/25/2008	08:24:23	0.102
1848	09/25/2008	08:24:24	0.088
1849	09/25/2008	08:24:25	0.086
1850	09/25/2008	08:24:26	0.107
1851	09/25/2008	08:24:27	0.097
1852	09/25/2008	08:24:28	0.091
1853	09/25/2008	08:24:29	0.084
1854	09/25/2008	08:24:30	0.083
1855	09/25/2008	08:24:31	0.091
1856	09/25/2008	08:24:32	0.081
1857	09/25/2008	08:24:33	0.094
1858	09/25/2008	08:24:34	0.084

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1859	09/25/2008	08:24:35	0.097
1860	09/25/2008	08:24:36	0.091
1861	09/25/2008	08:24:37	0.091
1862	09/25/2008	08:24:38	0.120
1863	09/25/2008	08:24:39	0.084
1864	09/25/2008	08:24:40	0.092
1865	09/25/2008	08:24:41	0.086
1866	09/25/2008	08:24:42	0.091
1867	09/25/2008	08:24:43	0.087
1868	09/25/2008	08:24:44	0.087
1869	09/25/2008	08:24:45	0.153
1870	09/25/2008	08:24:46	0.091
1871	09/25/2008	08:24:47	0.096
1872	09/25/2008	08:24:48	0.088
1873	09/25/2008	08:24:49	0.084
1874	09/25/2008	08:24:50	0.090
1875	09/25/2008	08:24:51	0.097
1876	09/25/2008	08:24:52	0.091
1877	09/25/2008	08:24:53	0.083
1878	09/25/2008	08:24:54	0.086
1879	09/25/2008	08:24:55	0.109
1880	09/25/2008	08:24:56	0.120
1881	09/25/2008	08:24:57	0.083
1882	09/25/2008	08:24:58	0.092
1883	09/25/2008	08:24:59	0.090
1884	09/25/2008	08:25:00	0.084
1885	09/25/2008	08:25:01	0.106
1886	09/25/2008	08:25:02	0.080
1887	09/25/2008	08:25:03	0.093
1888	09/25/2008	08:25:04	0.101
1889	09/25/2008	08:25:05	0.095
1890	09/25/2008	08:25:06	0.088
1891	09/25/2008	08:25:07	0.105
1892	09/25/2008	08:25:08	0.088
1893	09/25/2008	08:25:09	0.093
1894	09/25/2008	08:25:10	0.084
1895	09/25/2008	08:25:11	0.087
1896	09/25/2008	08:25:12	0.093
1897	09/25/2008	08:25:13	0.091
1898	09/25/2008	08:25:14	0.096
1899	09/25/2008	08:25:15	0.103
1900	09/25/2008	08:25:16	0.135
1901	09/25/2008	08:25:17	0.090
1902	09/25/2008	08:25:18	0.093
1903	09/25/2008	08:25:19	0.101
1904	09/25/2008	08:25:20	0.098
1905	09/25/2008	08:25:21	0.092
1906	09/25/2008	08:25:22	0.089
1907	09/25/2008	08:25:23	0.089
1908	09/25/2008	08:25:24	0.094
1909	09/25/2008	08:25:25	0.110
1910	09/25/2008	08:25:26	0.086
1911	09/25/2008	08:25:27	0.089
1912	09/25/2008	08:25:28	0.104
1913	09/25/2008	08:25:29	0.096

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1914	09/25/2008	08:25:30	0.094
1915	09/25/2008	08:25:31	0.102
1916	09/25/2008	08:25:32	0.087
1917	09/25/2008	08:25:33	0.154
1918	09/25/2008	08:25:34	0.089
1919	09/25/2008	08:25:35	0.089
1920	09/25/2008	08:25:36	0.087
1921	09/25/2008	08:25:37	0.103
1922	09/25/2008	08:25:38	0.088
1923	09/25/2008	08:25:39	0.089
1924	09/25/2008	08:25:40	0.084
1925	09/25/2008	08:25:41	0.109
1926	09/25/2008	08:25:42	0.087
1927	09/25/2008	08:25:43	0.101
1928	09/25/2008	08:25:44	0.089
1929	09/25/2008	08:25:45	0.111
1930	09/25/2008	08:25:46	0.089
1931	09/25/2008	08:25:47	0.099
1932	09/25/2008	08:25:48	0.143
1933	09/25/2008	08:25:49	0.097
1934	09/25/2008	08:25:50	0.096
1935	09/25/2008	08:25:51	0.088
1936	09/25/2008	08:25:52	0.128
1937	09/25/2008	08:25:53	0.096
1938	09/25/2008	08:25:54	0.087
1939	09/25/2008	08:25:55	0.089
1940	09/25/2008	08:25:56	0.086
1941	09/25/2008	08:25:57	0.091
1942	09/25/2008	08:25:58	0.081
1943	09/25/2008	08:25:59	0.098
1944	09/25/2008	08:26:00	0.113
1945	09/25/2008	08:26:01	0.084
1946	09/25/2008	08:26:02	0.097
1947	09/25/2008	08:26:03	0.086
1948	09/25/2008	08:26:04	0.096
1949	09/25/2008	08:26:05	0.083
1950	09/25/2008	08:26:06	0.088
1951	09/25/2008	08:26:07	0.090
1952	09/25/2008	08:26:08	0.099
1953	09/25/2008	08:26:09	0.108
1954	09/25/2008	08:26:10	0.088
1955	09/25/2008	08:26:11	0.090
1956	09/25/2008	08:26:12	0.087
1957	09/25/2008	08:26:13	0.089
1958	09/25/2008	08:26:14	0.088
1959	09/25/2008	08:26:15	0.089
1960	09/25/2008	08:26:16	0.090
1961	09/25/2008	08:26:17	0.133
1962	09/25/2008	08:26:18	0.093
1963	09/25/2008	08:26:19	0.090
1964	09/25/2008	08:26:20	0.088
1965	09/25/2008	08:26:21	0.084
1966	09/25/2008	08:26:22	0.104
1967	09/25/2008	08:26:23	0.103
1968	09/25/2008	08:26:24	0.084

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1969	09/25/2008	08:26:25	0.083
1970	09/25/2008	08:26:26	0.085
1971	09/25/2008	08:26:27	0.103
1972	09/25/2008	08:26:28	0.099
1973	09/25/2008	08:26:29	0.091
1974	09/25/2008	08:26:30	0.094
1975	09/25/2008	08:26:31	0.095
1976	09/25/2008	08:26:32	0.109
1977	09/25/2008	08:26:33	0.107
1978	09/25/2008	08:26:34	0.093
1979	09/25/2008	08:26:35	0.088
1980	09/25/2008	08:26:36	0.123
1981	09/25/2008	08:26:37	0.123
1982	09/25/2008	08:26:38	0.095
1983	09/25/2008	08:26:39	0.091
1984	09/25/2008	08:26:40	0.092
1985	09/25/2008	08:26:41	0.101
1986	09/25/2008	08:26:42	0.089
1987	09/25/2008	08:26:43	0.106
1988	09/25/2008	08:26:44	0.104
1989	09/25/2008	08:26:45	0.084
1990	09/25/2008	08:26:46	0.085
1991	09/25/2008	08:26:47	0.096
1992	09/25/2008	08:26:48	0.083
1993	09/25/2008	08:26:49	0.095
1994	09/25/2008	08:26:50	0.086
1995	09/25/2008	08:26:51	0.086
1996	09/25/2008	08:26:52	0.094
1997	09/25/2008	08:26:53	0.091
1998	09/25/2008	08:26:54	0.095
1999	09/25/2008	08:26:55	0.088
2000	09/25/2008	08:26:56	0.087
2001	09/25/2008	08:26:57	0.100
2002	09/25/2008	08:26:58	0.084
2003	09/25/2008	08:26:59	0.088
2004	09/25/2008	08:27:00	0.089
2005	09/25/2008	08:27:01	0.096
2006	09/25/2008	08:27:02	0.104
2007	09/25/2008	08:27:03	0.096
2008	09/25/2008	08:27:04	0.089
2009	09/25/2008	08:27:05	0.101
2010	09/25/2008	08:27:06	0.091
2011	09/25/2008	08:27:07	0.111
2012	09/25/2008	08:27:08	0.088
2013	09/25/2008	08:27:09	0.093
2014	09/25/2008	08:27:10	0.104
2015	09/25/2008	08:27:11	0.102
2016	09/25/2008	08:27:12	0.090
2017	09/25/2008	08:27:13	0.091
2018	09/25/2008	08:27:14	0.104
2019	09/25/2008	08:27:15	0.097
2020	09/25/2008	08:27:16	0.097
2021	09/25/2008	08:27:17	0.087
2022	09/25/2008	08:27:18	0.102
2023	09/25/2008	08:27:19	0.092

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
2024	09/25/2008	08:27:20	0.137
2025	09/25/2008	08:27:21	0.087
2026	09/25/2008	08:27:22	0.104
2027	09/25/2008	08:27:23	0.090
2028	09/25/2008	08:27:24	0.096
2029	09/25/2008	08:27:25	0.109
2030	09/25/2008	08:27:26	0.240
2031	09/25/2008	08:27:27	0.092
2032	09/25/2008	08:27:28	0.090
2033	09/25/2008	08:27:29	0.088
2034	09/25/2008	08:27:30	0.105
2035	09/25/2008	08:27:31	0.094
2036	09/25/2008	08:27:32	0.095
2037	09/25/2008	08:27:33	0.098
2038	09/25/2008	08:27:34	0.094
2039	09/25/2008	08:27:35	0.090
2040	09/25/2008	08:27:36	0.091
2041	09/25/2008	08:27:37	0.092
2042	09/25/2008	08:27:38	0.091
2043	09/25/2008	08:27:39	0.099
2044	09/25/2008	08:27:40	0.089
2045	09/25/2008	08:27:41	0.105
2046	09/25/2008	08:27:42	0.092
2047	09/25/2008	08:27:43	0.086
2048	09/25/2008	08:27:44	0.083
2049	09/25/2008	08:27:45	0.094
2050	09/25/2008	08:27:46	0.103
2051	09/25/2008	08:27:47	0.091
2052	09/25/2008	08:27:48	0.086
2053	09/25/2008	08:27:49	0.090
2054	09/25/2008	08:27:50	0.089
2055	09/25/2008	08:27:51	0.105
2056	09/25/2008	08:27:52	0.099
2057	09/25/2008	08:27:53	0.087
2058	09/25/2008	08:27:54	0.083
2059	09/25/2008	08:27:55	0.085
2060	09/25/2008	08:27:56	0.086
2061	09/25/2008	08:27:57	0.092
2062	09/25/2008	08:27:58	0.091
2063	09/25/2008	08:27:59	0.115
2064	09/25/2008	08:28:00	0.105
2065	09/25/2008	08:28:01	0.116
2066	09/25/2008	08:28:02	0.086
2067	09/25/2008	08:28:03	0.086
2068	09/25/2008	08:28:04	0.088
2069	09/25/2008	08:28:05	0.182
2070	09/25/2008	08:28:06	0.092
2071	09/25/2008	08:28:07	0.107
2072	09/25/2008	08:28:08	0.087
2073	09/25/2008	08:28:09	0.091
2074	09/25/2008	08:28:10	0.086
2075	09/25/2008	08:28:11	0.140
2076	09/25/2008	08:28:12	0.103
2077	09/25/2008	08:28:13	0.101
2078	09/25/2008	08:28:14	0.089



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
2079	09/25/2008	08:28:15	0.083
2080	09/25/2008	08:28:16	0.112
2081	09/25/2008	08:28:17	0.097
2082	09/25/2008	08:28:18	0.117
2083	09/25/2008	08:28:19	0.093
2084	09/25/2008	08:28:20	0.115
2085	09/25/2008	08:28:21	0.105
2086	09/25/2008	08:28:22	0.094
2087	09/25/2008	08:28:23	0.105
2088	09/25/2008	08:28:24	0.089
2089	09/25/2008	08:28:25	0.088
2090	09/25/2008	08:28:26	0.089
2091	09/25/2008	08:28:27	0.124
2092	09/25/2008	08:28:28	0.098
2093	09/25/2008	08:28:29	0.086
2094	09/25/2008	08:28:30	0.088
2095	09/25/2008	08:28:31	0.096
2096	09/25/2008	08:28:32	0.088
2097	09/25/2008	08:28:33	0.094
2098	09/25/2008	08:28:34	0.091
2099	09/25/2008	08:28:35	0.087
2100	09/25/2008	08:28:36	0.086
2101	09/25/2008	08:28:37	0.087
2102	09/25/2008	08:28:38	0.092
2103	09/25/2008	08:28:39	0.085
2104	09/25/2008	08:28:40	0.090
2105	09/25/2008	08:28:41	0.085
2106	09/25/2008	08:28:42	0.094
2107	09/25/2008	08:28:43	0.086
2108	09/25/2008	08:28:44	0.106
2109	09/25/2008	08:28:45	0.091
2110	09/25/2008	08:28:46	0.086
2111	09/25/2008	08:28:47	0.096
2112	09/25/2008	08:28:48	0.096
2113	09/25/2008	08:28:49	0.092
2114	09/25/2008	08:28:50	0.085
2115	09/25/2008	08:28:51	0.090
2116	09/25/2008	08:28:52	0.090
2117	09/25/2008	08:28:53	0.087
2118	09/25/2008	08:28:54	0.085
2119	09/25/2008	08:28:55	0.098
2120	09/25/2008	08:28:56	0.116
2121	09/25/2008	08:28:57	0.102
2122	09/25/2008	08:28:58	0.098
2123	09/25/2008	08:28:59	0.081
2124	09/25/2008	08:29:00	0.084
2125	09/25/2008	08:29:01	0.119
2126	09/25/2008	08:29:02	0.095
2127	09/25/2008	08:29:03	0.081
2128	09/25/2008	08:29:04	0.095
2129	09/25/2008	08:29:05	0.087
2130	09/25/2008	08:29:06	0.090
2131	09/25/2008	08:29:07	0.095
2132	09/25/2008	08:29:08	0.087
2133	09/25/2008	08:29:09	0.088

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
2134	09/25/2008	08:29:10	0.108
2135	09/25/2008	08:29:11	0.089
2136	09/25/2008	08:29:12	0.083
2137	09/25/2008	08:29:13	0.094
2138	09/25/2008	08:29:14	0.081
2139	09/25/2008	08:29:15	0.095
2140	09/25/2008	08:29:16	0.088
2141	09/25/2008	08:29:17	0.081
2142	09/25/2008	08:29:18	0.113
2143	09/25/2008	08:29:19	0.087
2144	09/25/2008	08:29:20	0.087
2145	09/25/2008	08:29:21	0.082
2146	09/25/2008	08:29:22	0.114
2147	09/25/2008	08:29:23	0.089
2148	09/25/2008	08:29:24	0.112
2149	09/25/2008	08:29:25	0.122
2150	09/25/2008	08:29:26	0.099
2151	09/25/2008	08:29:27	0.089
2152	09/25/2008	08:29:28	0.090
2153	09/25/2008	08:29:29	0.155
2154	09/25/2008	08:29:30	0.096
2155	09/25/2008	08:29:31	0.128
2156	09/25/2008	08:29:32	0.142
2157	09/25/2008	08:29:33	0.088
2158	09/25/2008	08:29:34	0.083
2159	09/25/2008	08:29:35	0.091
2160	09/25/2008	08:29:36	0.095
2161	09/25/2008	08:29:37	0.097
2162	09/25/2008	08:29:38	0.090
2163	09/25/2008	08:29:39	0.087
2164	09/25/2008	08:29:40	0.092
2165	09/25/2008	08:29:41	0.082
2166	09/25/2008	08:29:42	0.087
2167	09/25/2008	08:29:43	0.144
2168	09/25/2008	08:29:44	0.085
2169	09/25/2008	08:29:45	0.113
2170	09/25/2008	08:29:46	0.089
2171	09/25/2008	08:29:47	0.092
2172	09/25/2008	08:29:48	0.088
2173	09/25/2008	08:29:49	0.087
2174	09/25/2008	08:29:50	0.096
2175	09/25/2008	08:29:51	0.081
2176	09/25/2008	08:29:52	0.110
2177	09/25/2008	08:29:53	0.093
2178	09/25/2008	08:29:54	0.083
2179	09/25/2008	08:29:55	0.104
2180	09/25/2008	08:29:56	0.098
2181	09/25/2008	08:29:57	0.100
2182	09/25/2008	08:29:58	0.101
2183	09/25/2008	08:29:59	0.104
2184	09/25/2008	08:30:00	0.111
2185	09/25/2008	08:30:01	0.110
2186	09/25/2008	08:30:02	0.114
2187	09/25/2008	08:30:03	0.091
2188	09/25/2008	08:30:04	0.090

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
2189	09/25/2008	08:30:05	0.095
2190	09/25/2008	08:30:06	0.101
2191	09/25/2008	08:30:07	0.090
2192	09/25/2008	08:30:08	0.101
2193	09/25/2008	08:30:09	0.087
2194	09/25/2008	08:30:10	0.089
2195	09/25/2008	08:30:11	0.093
2196	09/25/2008	08:30:12	0.094
2197	09/25/2008	08:30:13	0.100
2198	09/25/2008	08:30:14	0.114
2199	09/25/2008	08:30:15	0.100
2200	09/25/2008	08:30:16	0.091
2201	09/25/2008	08:30:17	0.089
2202	09/25/2008	08:30:18	0.086
2203	09/25/2008	08:30:19	0.101
2204	09/25/2008	08:30:20	0.100
2205	09/25/2008	08:30:21	0.094
2206	09/25/2008	08:30:22	0.088
2207	09/25/2008	08:30:23	0.093
2208	09/25/2008	08:30:24	0.121
2209	09/25/2008	08:30:25	0.082
2210	09/25/2008	08:30:26	0.108
2211	09/25/2008	08:30:27	0.105
2212	09/25/2008	08:30:28	0.080
2213	09/25/2008	08:30:29	0.080
2214	09/25/2008	08:30:30	0.088
2215	09/25/2008	08:30:31	0.089
2216	09/25/2008	08:30:32	0.088
2217	09/25/2008	08:30:33	0.083
2218	09/25/2008	08:30:34	0.090
2219	09/25/2008	08:30:35	0.128
2220	09/25/2008	08:30:36	0.102
2221	09/25/2008	08:30:37	0.087
2222	09/25/2008	08:30:38	0.101
2223	09/25/2008	08:30:39	0.111
2224	09/25/2008	08:30:40	0.084
2225	09/25/2008	08:30:41	0.104
2226	09/25/2008	08:30:42	0.087
2227	09/25/2008	08:30:43	0.085
2228	09/25/2008	08:30:44	0.089
2229	09/25/2008	08:30:45	0.098
2230	09/25/2008	08:30:46	0.094
2231	09/25/2008	08:30:47	0.093
2232	09/25/2008	08:30:48	0.086
2233	09/25/2008	08:30:49	0.105
2234	09/25/2008	08:30:50	0.083
2235	09/25/2008	08:30:51	0.095
2236	09/25/2008	08:30:52	0.111
2237	09/25/2008	08:30:53	0.107
2238	09/25/2008	08:30:54	0.094
2239	09/25/2008	08:30:55	0.112
2240	09/25/2008	08:30:56	0.082
2241	09/25/2008	08:30:57	0.092
2242	09/25/2008	08:30:58	0.084
2243	09/25/2008	08:30:59	0.091

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
2244	09/25/2008	08:31:00	0.082
2245	09/25/2008	08:31:01	0.091
2246	09/25/2008	08:31:02	0.087
2247	09/25/2008	08:31:03	0.098
2248	09/25/2008	08:31:04	0.087
2249	09/25/2008	08:31:05	0.084
2250	09/25/2008	08:31:06	0.103
2251	09/25/2008	08:31:07	0.088
2252	09/25/2008	08:31:08	0.083
2253	09/25/2008	08:31:09	0.142
2254	09/25/2008	08:31:10	0.096
2255	09/25/2008	08:31:11	0.097
2256	09/25/2008	08:31:12	0.089
2257	09/25/2008	08:31:13	0.097
2258	09/25/2008	08:31:14	0.104
2259	09/25/2008	08:31:15	0.096
2260	09/25/2008	08:31:16	0.101
2261	09/25/2008	08:31:17	0.118
2262	09/25/2008	08:31:18	0.180
2263	09/25/2008	08:31:19	0.082
2264	09/25/2008	08:31:20	0.134
2265	09/25/2008	08:31:21	0.116
2266	09/25/2008	08:31:22	0.083
2267	09/25/2008	08:31:23	0.096
2268	09/25/2008	08:31:24	0.086
2269	09/25/2008	08:31:25	0.093
2270	09/25/2008	08:31:26	0.086
2271	09/25/2008	08:31:27	0.095
2272	09/25/2008	08:31:28	0.084
2273	09/25/2008	08:31:29	0.086
2274	09/25/2008	08:31:30	0.088
2275	09/25/2008	08:31:31	0.091
2276	09/25/2008	08:31:32	0.092
2277	09/25/2008	08:31:33	0.103
2278	09/25/2008	08:31:34	0.099
2279	09/25/2008	08:31:35	0.088
2280	09/25/2008	08:31:36	0.097
2281	09/25/2008	08:31:37	0.096
2282	09/25/2008	08:31:38	0.088
2283	09/25/2008	08:31:39	0.096
2284	09/25/2008	08:31:40	0.105
2285	09/25/2008	08:31:41	0.080
2286	09/25/2008	08:31:42	0.080
2287	09/25/2008	08:31:43	0.089
2288	09/25/2008	08:31:44	0.093
2289	09/25/2008	08:31:45	0.103
2290	09/25/2008	08:31:46	0.088
2291	09/25/2008	08:31:47	0.094
2292	09/25/2008	08:31:48	0.113
2293	09/25/2008	08:31:49	0.100
2294	09/25/2008	08:31:50	0.098
2295	09/25/2008	08:31:51	0.092
2296	09/25/2008	08:31:52	0.087
2297	09/25/2008	08:31:53	0.090
2298	09/25/2008	08:31:54	0.082

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
2299	09/25/2008	08:31:55	0.126
2300	09/25/2008	08:31:56	0.107
2301	09/25/2008	08:31:57	0.087
2302	09/25/2008	08:31:58	0.081
2303	09/25/2008	08:31:59	0.099
2304	09/25/2008	08:32:00	0.089
2305	09/25/2008	08:32:01	0.110
2306	09/25/2008	08:32:02	0.091
2307	09/25/2008	08:32:03	0.090
2308	09/25/2008	08:32:04	0.102
2309	09/25/2008	08:32:05	0.086
2310	09/25/2008	08:32:06	0.141
2311	09/25/2008	08:32:07	0.106
2312	09/25/2008	08:32:08	0.086
2313	09/25/2008	08:32:09	0.108
2314	09/25/2008	08:32:10	0.089
2315	09/25/2008	08:32:11	0.091
2316	09/25/2008	08:32:12	0.088
2317	09/25/2008	08:32:13	0.083
2318	09/25/2008	08:32:14	0.085
2319	09/25/2008	08:32:15	0.103
2320	09/25/2008	08:32:16	0.106
2321	09/25/2008	08:32:17	0.090
2322	09/25/2008	08:32:18	0.086
2323	09/25/2008	08:32:19	0.084
2324	09/25/2008	08:32:20	0.122
2325	09/25/2008	08:32:21	0.088
2326	09/25/2008	08:32:22	0.088
2327	09/25/2008	08:32:23	0.090
2328	09/25/2008	08:32:24	0.121
2329	09/25/2008	08:32:25	0.112
2330	09/25/2008	08:32:26	0.097
2331	09/25/2008	08:32:27	0.096
2332	09/25/2008	08:32:28	0.086
2333	09/25/2008	08:32:29	0.088
2334	09/25/2008	08:32:30	0.095
2335	09/25/2008	08:32:31	0.086
2336	09/25/2008	08:32:32	0.084
2337	09/25/2008	08:32:33	0.094
2338	09/25/2008	08:32:34	0.087
2339	09/25/2008	08:32:35	0.089
2340	09/25/2008	08:32:36	0.090
2341	09/25/2008	08:32:37	0.099
2342	09/25/2008	08:32:38	0.094
2343	09/25/2008	08:32:39	0.086
2344	09/25/2008	08:32:40	0.096
2345	09/25/2008	08:32:41	0.109
2346	09/25/2008	08:32:42	0.084
2347	09/25/2008	08:32:43	0.110
2348	09/25/2008	08:32:44	0.097
2349	09/25/2008	08:32:45	0.089
2350	09/25/2008	08:32:46	0.113
2351	09/25/2008	08:32:47	0.089
2352	09/25/2008	08:32:48	0.084
2353	09/25/2008	08:32:49	0.088

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
2354	09/25/2008	08:32:50	0.098
2355	09/25/2008	08:32:51	0.091
2356	09/25/2008	08:32:52	0.090
2357	09/25/2008	08:32:53	0.093
2358	09/25/2008	08:32:54	0.102
2359	09/25/2008	08:32:55	0.086
2360	09/25/2008	08:32:56	0.112
2361	09/25/2008	08:32:57	0.092
2362	09/25/2008	08:32:58	0.095
2363	09/25/2008	08:32:59	0.095
2364	09/25/2008	08:33:00	0.080
2365	09/25/2008	08:33:01	0.086
2366	09/25/2008	08:33:02	0.086
2367	09/25/2008	08:33:03	0.090
2368	09/25/2008	08:33:04	0.100
2369	09/25/2008	08:33:05	0.094
2370	09/25/2008	08:33:06	0.099
2371	09/25/2008	08:33:07	0.092
2372	09/25/2008	08:33:08	0.094
2373	09/25/2008	08:33:09	0.088
2374	09/25/2008	08:33:10	0.084
2375	09/25/2008	08:33:11	0.116
2376	09/25/2008	08:33:12	0.084
2377	09/25/2008	08:33:13	0.085
2378	09/25/2008	08:33:14	0.084
2379	09/25/2008	08:33:15	0.086
2380	09/25/2008	08:33:16	0.089
2381	09/25/2008	08:33:17	0.108
2382	09/25/2008	08:33:18	0.099
2383	09/25/2008	08:33:19	0.087
2384	09/25/2008	08:33:20	0.081
2385	09/25/2008	08:33:21	0.103
2386	09/25/2008	08:33:22	0.083
2387	09/25/2008	08:33:23	0.107
2388	09/25/2008	08:33:24	0.090
2389	09/25/2008	08:33:25	0.087
2390	09/25/2008	08:33:26	0.103
2391	09/25/2008	08:33:27	0.085
2392	09/25/2008	08:33:28	0.088
2393	09/25/2008	08:33:29	0.105
2394	09/25/2008	08:33:30	0.091
2395	09/25/2008	08:33:31	0.088
2396	09/25/2008	08:33:32	0.083
2397	09/25/2008	08:33:33	0.101
2398	09/25/2008	08:33:34	0.108
2399	09/25/2008	08:33:35	0.104
2400	09/25/2008	08:33:36	0.097
2401	09/25/2008	08:33:37	0.141
2402	09/25/2008	08:33:38	0.089
2403	09/25/2008	08:33:39	0.081
2404	09/25/2008	08:33:40	0.093
2405	09/25/2008	08:33:41	0.094
2406	09/25/2008	08:33:42	0.093
2407	09/25/2008	08:33:43	0.109
2408	09/25/2008	08:33:44	0.094

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
2409	09/25/2008	08:33:45	0.092
2410	09/25/2008	08:33:46	0.084
2411	09/25/2008	08:33:47	0.087
2412	09/25/2008	08:33:48	0.095
2413	09/25/2008	08:33:49	0.095
2414	09/25/2008	08:33:50	0.112
2415	09/25/2008	08:33:51	0.081
2416	09/25/2008	08:33:52	0.142
2417	09/25/2008	08:33:53	0.088
2418	09/25/2008	08:33:54	0.083
2419	09/25/2008	08:33:55	0.094
2420	09/25/2008	08:33:56	0.079
2421	09/25/2008	08:33:57	0.085
2422	09/25/2008	08:33:58	0.086
2423	09/25/2008	08:33:59	0.092
2424	09/25/2008	08:34:00	0.087
2425	09/25/2008	08:34:01	0.094
2426	09/25/2008	08:34:02	0.090
2427	09/25/2008	08:34:03	0.098
2428	09/25/2008	08:34:04	0.093
2429	09/25/2008	08:34:05	0.088
2430	09/25/2008	08:34:06	0.089
2431	09/25/2008	08:34:07	0.093
2432	09/25/2008	08:34:08	0.107
2433	09/25/2008	08:34:09	0.094
2434	09/25/2008	08:34:10	0.088
2435	09/25/2008	08:34:11	0.086
2436	09/25/2008	08:34:12	0.088
2437	09/25/2008	08:34:13	0.088
2438	09/25/2008	08:34:14	0.087
2439	09/25/2008	08:34:15	0.086
2440	09/25/2008	08:34:16	0.105
2441	09/25/2008	08:34:17	0.100
2442	09/25/2008	08:34:18	0.083
2443	09/25/2008	08:34:19	0.096
2444	09/25/2008	08:34:20	0.088
2445	09/25/2008	08:34:21	0.095
2446	09/25/2008	08:34:22	0.086
2447	09/25/2008	08:34:23	0.089
2448	09/25/2008	08:34:24	0.099
2449	09/25/2008	08:34:25	0.087
2450	09/25/2008	08:34:26	0.085
2451	09/25/2008	08:34:27	0.087
2452	09/25/2008	08:34:28	0.118
2453	09/25/2008	08:34:29	0.088
2454	09/25/2008	08:34:30	0.085
2455	09/25/2008	08:34:31	0.110
2456	09/25/2008	08:34:32	0.092
2457	09/25/2008	08:34:33	0.088
2458	09/25/2008	08:34:34	0.097
2459	09/25/2008	08:34:35	0.096
2460	09/25/2008	08:34:36	0.085
2461	09/25/2008	08:34:37	0.095
2462	09/25/2008	08:34:38	0.089
2463	09/25/2008	08:34:39	0.100

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
2464	09/25/2008	08:34:40	0.096
2465	09/25/2008	08:34:41	0.091
2466	09/25/2008	08:34:42	0.094
2467	09/25/2008	08:34:43	0.081
2468	09/25/2008	08:34:44	0.091
2469	09/25/2008	08:34:45	0.096
2470	09/25/2008	08:34:46	0.102
2471	09/25/2008	08:34:47	0.091
2472	09/25/2008	08:34:48	0.150
2473	09/25/2008	08:34:49	0.094
2474	09/25/2008	08:34:50	0.094
2475	09/25/2008	08:34:51	0.106
2476	09/25/2008	08:34:52	0.079
2477	09/25/2008	08:34:53	0.089
2478	09/25/2008	08:34:54	0.084
2479	09/25/2008	08:34:55	0.107
2480	09/25/2008	08:34:56	0.084
2481	09/25/2008	08:34:57	0.091
2482	09/25/2008	08:34:58	0.091
2483	09/25/2008	08:34:59	0.087
2484	09/25/2008	08:35:00	0.082
2485	09/25/2008	08:35:01	0.089
2486	09/25/2008	08:35:02	0.154
2487	09/25/2008	08:35:03	0.086
2488	09/25/2008	08:35:04	0.099
2489	09/25/2008	08:35:05	0.084
2490	09/25/2008	08:35:06	0.083
2491	09/25/2008	08:35:07	0.162
2492	09/25/2008	08:35:08	0.092
2493	09/25/2008	08:35:09	0.087
2494	09/25/2008	08:35:10	0.089
2495	09/25/2008	08:35:11	0.091
2496	09/25/2008	08:35:12	0.086
2497	09/25/2008	08:35:13	0.088
2498	09/25/2008	08:35:14	0.110
2499	09/25/2008	08:35:15	0.094
2500	09/25/2008	08:35:16	0.088
2501	09/25/2008	08:35:17	0.087
2502	09/25/2008	08:35:18	0.083
2503	09/25/2008	08:35:19	0.087
2504	09/25/2008	08:35:20	0.095
2505	09/25/2008	08:35:21	0.087
2506	09/25/2008	08:35:22	0.092
2507	09/25/2008	08:35:23	0.100
2508	09/25/2008	08:35:24	0.084
2509	09/25/2008	08:35:25	0.091
2510	09/25/2008	08:35:26	0.085
2511	09/25/2008	08:35:27	0.102
2512	09/25/2008	08:35:28	0.096
2513	09/25/2008	08:35:29	0.087
2514	09/25/2008	08:35:30	0.088
2515	09/25/2008	08:35:31	0.085
2516	09/25/2008	08:35:32	0.096
2517	09/25/2008	08:35:33	0.087
2518	09/25/2008	08:35:34	0.077



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
2519	09/25/2008	08:35:35	0.090
2520	09/25/2008	08:35:36	0.096
2521	09/25/2008	08:35:37	0.095
2522	09/25/2008	08:35:38	0.080
2523	09/25/2008	08:35:39	0.114
2524	09/25/2008	08:35:40	0.100
2525	09/25/2008	08:35:41	0.099
2526	09/25/2008	08:35:42	0.082
2527	09/25/2008	08:35:43	0.082
2528	09/25/2008	08:35:44	0.115
2529	09/25/2008	08:35:45	0.087
2530	09/25/2008	08:35:46	0.083
2531	09/25/2008	08:35:47	0.098
2532	09/25/2008	08:35:48	0.084
2533	09/25/2008	08:35:49	0.101
2534	09/25/2008	08:35:50	0.098
2535	09/25/2008	08:35:51	0.082
2536	09/25/2008	08:35:52	0.099
2537	09/25/2008	08:35:53	0.088
2538	09/25/2008	08:35:54	0.113
2539	09/25/2008	08:35:55	0.079
2540	09/25/2008	08:35:56	0.082
2541	09/25/2008	08:35:57	0.093
2542	09/25/2008	08:35:58	0.084
2543	09/25/2008	08:35:59	0.082
2544	09/25/2008	08:36:00	0.092
2545	09/25/2008	08:36:01	0.100
2546	09/25/2008	08:36:02	0.079
2547	09/25/2008	08:36:03	0.082
2548	09/25/2008	08:36:04	0.084
2549	09/25/2008	08:36:05	0.135
2550	09/25/2008	08:36:06	0.088
2551	09/25/2008	08:36:07	0.087
2552	09/25/2008	08:36:08	0.089
2553	09/25/2008	08:36:09	0.088
2554	09/25/2008	08:36:10	0.088
2555	09/25/2008	08:36:11	0.085
2556	09/25/2008	08:36:12	0.089
2557	09/25/2008	08:36:13	0.088
2558	09/25/2008	08:36:14	0.108
2559	09/25/2008	08:36:15	0.082
2560	09/25/2008	08:36:16	0.083
2561	09/25/2008	08:36:17	0.099
2562	09/25/2008	08:36:18	0.078
2563	09/25/2008	08:36:19	0.090
2564	09/25/2008	08:36:20	0.094
2565	09/25/2008	08:36:21	0.090
2566	09/25/2008	08:36:22	0.081
2567	09/25/2008	08:36:23	0.081
2568	09/25/2008	08:36:24	0.088
2569	09/25/2008	08:36:25	0.089
2570	09/25/2008	08:36:26	0.087
2571	09/25/2008	08:36:27	0.092
2572	09/25/2008	08:36:28	0.091
2573	09/25/2008	08:36:29	0.083

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
2574	09/25/2008	08:36:30	0.085
2575	09/25/2008	08:36:31	0.087
2576	09/25/2008	08:36:32	0.087
2577	09/25/2008	08:36:33	0.102
2578	09/25/2008	08:36:34	0.090
2579	09/25/2008	08:36:35	0.082
2580	09/25/2008	08:36:36	0.093
2581	09/25/2008	08:36:37	0.093
2582	09/25/2008	08:36:38	0.090
2583	09/25/2008	08:36:39	0.103
2584	09/25/2008	08:36:40	0.086
2585	09/25/2008	08:36:41	0.084
2586	09/25/2008	08:36:42	0.099
2587	09/25/2008	08:36:43	0.078
2588	09/25/2008	08:36:44	0.082
2589	09/25/2008	08:36:45	0.092
2590	09/25/2008	08:36:46	0.085
2591	09/25/2008	08:36:47	0.113
2592	09/25/2008	08:36:48	0.137
2593	09/25/2008	08:36:49	0.092
2594	09/25/2008	08:36:50	0.086
2595	09/25/2008	08:36:51	0.085
2596	09/25/2008	08:36:52	0.086
2597	09/25/2008	08:36:53	0.117
2598	09/25/2008	08:36:54	0.088
2599	09/25/2008	08:36:55	0.087
2600	09/25/2008	08:36:56	0.096
2601	09/25/2008	08:36:57	0.095
2602	09/25/2008	08:36:58	0.103
2603	09/25/2008	08:36:59	0.098
2604	09/25/2008	08:37:00	0.130
2605	09/25/2008	08:37:01	0.103
2606	09/25/2008	08:37:02	0.096
2607	09/25/2008	08:37:03	0.092
2608	09/25/2008	08:37:04	0.082
2609	09/25/2008	08:37:05	0.093
2610	09/25/2008	08:37:06	0.084
2611	09/25/2008	08:37:07	0.091
2612	09/25/2008	08:37:08	0.111
2613	09/25/2008	08:37:09	0.081
2614	09/25/2008	08:37:10	0.099
2615	09/25/2008	08:37:11	0.099
2616	09/25/2008	08:37:12	0.102
2617	09/25/2008	08:37:13	0.110
2618	09/25/2008	08:37:14	0.087
2619	09/25/2008	08:37:15	0.094
2620	09/25/2008	08:37:16	0.102
2621	09/25/2008	08:37:17	0.098
2622	09/25/2008	08:37:18	0.086
2623	09/25/2008	08:37:19	0.079
2624	09/25/2008	08:37:20	0.096
2625	09/25/2008	08:37:21	0.137
2626	09/25/2008	08:37:22	0.088
2627	09/25/2008	08:37:23	0.086
2628	09/25/2008	08:37:24	0.089

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
2629	09/25/2008	08:37:25	0.095
2630	09/25/2008	08:37:26	0.087
2631	09/25/2008	08:37:27	0.135
2632	09/25/2008	08:37:28	0.081
2633	09/25/2008	08:37:29	0.086
2634	09/25/2008	08:37:30	0.095
2635	09/25/2008	08:37:31	0.083
2636	09/25/2008	08:37:32	0.110
2637	09/25/2008	08:37:33	0.090
2638	09/25/2008	08:37:34	0.101
2639	09/25/2008	08:37:35	0.085
2640	09/25/2008	08:37:36	0.082
2641	09/25/2008	08:37:37	0.086
2642	09/25/2008	08:37:38	0.086
2643	09/25/2008	08:37:39	0.086
2644	09/25/2008	08:37:40	0.111
2645	09/25/2008	08:37:41	0.083
2646	09/25/2008	08:37:42	0.091
2647	09/25/2008	08:37:43	0.083
2648	09/25/2008	08:37:44	0.092
2649	09/25/2008	08:37:45	0.088
2650	09/25/2008	08:37:46	0.080
2651	09/25/2008	08:37:47	0.087
2652	09/25/2008	08:37:48	0.119
2653	09/25/2008	08:37:49	0.106
2654	09/25/2008	08:37:50	0.088
2655	09/25/2008	08:37:51	0.108
2656	09/25/2008	08:37:52	0.105
2657	09/25/2008	08:37:53	0.085
2658	09/25/2008	08:37:54	0.113
2659	09/25/2008	08:37:55	0.087
2660	09/25/2008	08:37:56	0.093
2661	09/25/2008	08:37:57	0.085
2662	09/25/2008	08:37:58	0.097
2663	09/25/2008	08:37:59	0.079
2664	09/25/2008	08:38:00	0.088
2665	09/25/2008	08:38:01	0.122
2666	09/25/2008	08:38:02	0.103
2667	09/25/2008	08:38:03	0.100
2668	09/25/2008	08:38:04	0.107
2669	09/25/2008	08:38:05	0.087
2670	09/25/2008	08:38:06	0.081
2671	09/25/2008	08:38:07	0.089
2672	09/25/2008	08:38:08	0.105
2673	09/25/2008	08:38:09	0.083
2674	09/25/2008	08:38:10	0.086
2675	09/25/2008	08:38:11	0.084
2676	09/25/2008	08:38:12	0.088
2677	09/25/2008	08:38:13	0.084
2678	09/25/2008	08:38:14	0.098
2679	09/25/2008	08:38:15	0.085
2680	09/25/2008	08:38:16	0.095
2681	09/25/2008	08:38:17	0.101
2682	09/25/2008	08:38:18	0.105
2683	09/25/2008	08:38:19	0.087

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
2684	09/25/2008	08:38:20	0.092
2685	09/25/2008	08:38:21	0.086
2686	09/25/2008	08:38:22	0.079
2687	09/25/2008	08:38:23	0.091
2688	09/25/2008	08:38:24	0.114
2689	09/25/2008	08:38:25	0.096
2690	09/25/2008	08:38:26	0.116
2691	09/25/2008	08:38:27	0.091
2692	09/25/2008	08:38:28	0.091
2693	09/25/2008	08:38:29	0.105
2694	09/25/2008	08:38:30	0.091
2695	09/25/2008	08:38:31	0.089
2696	09/25/2008	08:38:32	0.099
2697	09/25/2008	08:38:33	0.084
2698	09/25/2008	08:38:34	0.090
2699	09/25/2008	08:38:35	0.090
2700	09/25/2008	08:38:36	0.107
2701	09/25/2008	08:38:37	0.113
2702	09/25/2008	08:38:38	0.099
2703	09/25/2008	08:38:39	0.086
2704	09/25/2008	08:38:40	0.111
2705	09/25/2008	08:38:41	0.080
2706	09/25/2008	08:38:42	0.091
2707	09/25/2008	08:38:43	0.084
2708	09/25/2008	08:38:44	0.085
2709	09/25/2008	08:38:45	0.094
2710	09/25/2008	08:38:46	0.087
2711	09/25/2008	08:38:47	0.088
2712	09/25/2008	08:38:48	0.088
2713	09/25/2008	08:38:49	0.081
2714	09/25/2008	08:38:50	0.089
2715	09/25/2008	08:38:51	0.098
2716	09/25/2008	08:38:52	0.086
2717	09/25/2008	08:38:53	0.081
2718	09/25/2008	08:38:54	0.086
2719	09/25/2008	08:38:55	0.090
2720	09/25/2008	08:38:56	0.076
2721	09/25/2008	08:38:57	0.096
2722	09/25/2008	08:38:58	0.085
2723	09/25/2008	08:38:59	0.090
2724	09/25/2008	08:39:00	0.089
2725	09/25/2008	08:39:01	0.091
2726	09/25/2008	08:39:02	0.086
2727	09/25/2008	08:39:03	0.086
2728	09/25/2008	08:39:04	0.094
2729	09/25/2008	08:39:05	0.081
2730	09/25/2008	08:39:06	0.085
2731	09/25/2008	08:39:07	0.079
2732	09/25/2008	08:39:08	0.102
2733	09/25/2008	08:39:09	0.080
2734	09/25/2008	08:39:10	0.101
2735	09/25/2008	08:39:11	0.093
2736	09/25/2008	08:39:12	0.080
2737	09/25/2008	08:39:13	0.085
2738	09/25/2008	08:39:14	0.086

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
2739	09/25/2008	08:39:15	0.083
2740	09/25/2008	08:39:16	0.088
2741	09/25/2008	08:39:17	0.103
2742	09/25/2008	08:39:18	0.083
2743	09/25/2008	08:39:19	0.095
2744	09/25/2008	08:39:20	0.087
2745	09/25/2008	08:39:21	0.085
2746	09/25/2008	08:39:22	0.089
2747	09/25/2008	08:39:23	0.094
2748	09/25/2008	08:39:24	0.088
2749	09/25/2008	08:39:25	0.102
2750	09/25/2008	08:39:26	0.083
2751	09/25/2008	08:39:27	0.096
2752	09/25/2008	08:39:28	0.085
2753	09/25/2008	08:39:29	0.092
2754	09/25/2008	08:39:30	0.087
2755	09/25/2008	08:39:31	0.082
2756	09/25/2008	08:39:32	0.091
2757	09/25/2008	08:39:33	0.090
2758	09/25/2008	08:39:34	0.085
2759	09/25/2008	08:39:35	0.086
2760	09/25/2008	08:39:36	0.091
2761	09/25/2008	08:39:37	0.084
2762	09/25/2008	08:39:38	0.081
2763	09/25/2008	08:39:39	0.094
2764	09/25/2008	08:39:40	0.094
2765	09/25/2008	08:39:41	0.089
2766	09/25/2008	08:39:42	0.084
2767	09/25/2008	08:39:43	0.082
2768	09/25/2008	08:39:44	0.091
2769	09/25/2008	08:39:45	0.101
2770	09/25/2008	08:39:46	0.093
2771	09/25/2008	08:39:47	0.092
2772	09/25/2008	08:39:48	0.090
2773	09/25/2008	08:39:49	0.093
2774	09/25/2008	08:39:50	0.112
2775	09/25/2008	08:39:51	0.086
2776	09/25/2008	08:39:52	0.107
2777	09/25/2008	08:39:53	0.086
2778	09/25/2008	08:39:54	0.094
2779	09/25/2008	08:39:55	0.089
2780	09/25/2008	08:39:56	0.081
2781	09/25/2008	08:39:57	0.091
2782	09/25/2008	08:39:58	0.089
2783	09/25/2008	08:39:59	0.094
2784	09/25/2008	08:40:00	0.077
2785	09/25/2008	08:40:01	0.085
2786	09/25/2008	08:40:02	0.088
2787	09/25/2008	08:40:03	0.099
2788	09/25/2008	08:40:04	0.085
2789	09/25/2008	08:40:05	0.085
2790	09/25/2008	08:40:06	0.084
2791	09/25/2008	08:40:07	0.089
2792	09/25/2008	08:40:08	0.088
2793	09/25/2008	08:40:09	0.091

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
2794	09/25/2008	08:40:10	0.085
2795	09/25/2008	08:40:11	0.089
2796	09/25/2008	08:40:12	0.085
2797	09/25/2008	08:40:13	0.084
2798	09/25/2008	08:40:14	0.087
2799	09/25/2008	08:40:15	0.081
2800	09/25/2008	08:40:16	0.077
2801	09/25/2008	08:40:17	0.101
2802	09/25/2008	08:40:18	0.098
2803	09/25/2008	08:40:19	0.089
2804	09/25/2008	08:40:20	0.087
2805	09/25/2008	08:40:21	0.091
2806	09/25/2008	08:40:22	0.093
2807	09/25/2008	08:40:23	0.084
2808	09/25/2008	08:40:24	0.098
2809	09/25/2008	08:40:25	0.086
2810	09/25/2008	08:40:26	0.085
2811	09/25/2008	08:40:27	0.083
2812	09/25/2008	08:40:28	0.088
2813	09/25/2008	08:40:29	0.106
2814	09/25/2008	08:40:30	0.087
2815	09/25/2008	08:40:31	0.085
2816	09/25/2008	08:40:32	0.143
2817	09/25/2008	08:40:33	0.096
2818	09/25/2008	08:40:34	0.093
2819	09/25/2008	08:40:35	0.091
2820	09/25/2008	08:40:36	0.098
2821	09/25/2008	08:40:37	0.105
2822	09/25/2008	08:40:38	0.123
2823	09/25/2008	08:40:39	0.099
2824	09/25/2008	08:40:40	0.089
2825	09/25/2008	08:40:41	0.105
2826	09/25/2008	08:40:42	0.106
2827	09/25/2008	08:40:43	0.095
2828	09/25/2008	08:40:44	0.098
2829	09/25/2008	08:40:45	0.093
2830	09/25/2008	08:40:46	0.084
2831	09/25/2008	08:40:47	0.090
2832	09/25/2008	08:40:48	0.093
2833	09/25/2008	08:40:49	0.087
2834	09/25/2008	08:40:50	0.092
2835	09/25/2008	08:40:51	0.089
2836	09/25/2008	08:40:52	0.106
2837	09/25/2008	08:40:53	0.088
2838	09/25/2008	08:40:54	0.100
2839	09/25/2008	08:40:55	0.110
2840	09/25/2008	08:40:56	0.124
2841	09/25/2008	08:40:57	0.108
2842	09/25/2008	08:40:58	0.111
2843	09/25/2008	08:40:59	0.116
2844	09/25/2008	08:41:00	0.130
2845	09/25/2008	08:41:01	0.119
2846	09/25/2008	08:41:02	0.112
2847	09/25/2008	08:41:03	0.131
2848	09/25/2008	08:41:04	0.132

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
2849	09/25/2008	08:41:05	0.123
2850	09/25/2008	08:41:06	0.121
2851	09/25/2008	08:41:07	0.127
2852	09/25/2008	08:41:08	0.124
2853	09/25/2008	08:41:09	0.146
2854	09/25/2008	08:41:10	0.173
2855	09/25/2008	08:41:11	0.180
2856	09/25/2008	08:41:12	0.189
2857	09/25/2008	08:41:13	0.197
2858	09/25/2008	08:41:14	0.196
2859	09/25/2008	08:41:15	0.190
2860	09/25/2008	08:41:16	0.199
2861	09/25/2008	08:41:17	0.200
2862	09/25/2008	08:41:18	0.201
2863	09/25/2008	08:41:19	0.200
2864	09/25/2008	08:41:20	0.192
2865	09/25/2008	08:41:21	0.180
2866	09/25/2008	08:41:22	0.193
2867	09/25/2008	08:41:23	0.178
2868	09/25/2008	08:41:24	0.169
2869	09/25/2008	08:41:25	0.168
2870	09/25/2008	08:41:26	0.177
2871	09/25/2008	08:41:27	0.179
2872	09/25/2008	08:41:28	0.167
2873	09/25/2008	08:41:29	0.173
2874	09/25/2008	08:41:30	0.184
2875	09/25/2008	08:41:31	0.175
2876	09/25/2008	08:41:32	0.168
2877	09/25/2008	08:41:33	0.173
2878	09/25/2008	08:41:34	0.161
2879	09/25/2008	08:41:35	0.170
2880	09/25/2008	08:41:36	0.191
2881	09/25/2008	08:41:37	0.193
2882	09/25/2008	08:41:38	0.195
2883	09/25/2008	08:41:39	0.177
2884	09/25/2008	08:41:40	0.183
2885	09/25/2008	08:41:41	0.174
2886	09/25/2008	08:41:42	0.159
2887	09/25/2008	08:41:43	0.160
2888	09/25/2008	08:41:44	0.147
2889	09/25/2008	08:41:45	0.148
2890	09/25/2008	08:41:46	0.156
2891	09/25/2008	08:41:47	0.167
2892	09/25/2008	08:41:48	0.146
2893	09/25/2008	08:41:49	0.142
2894	09/25/2008	08:41:50	0.129
2895	09/25/2008	08:41:51	0.126
2896	09/25/2008	08:41:52	0.136
2897	09/25/2008	08:41:53	0.133
2898	09/25/2008	08:41:54	0.130
2899	09/25/2008	08:41:55	0.130
2900	09/25/2008	08:41:56	0.137
2901	09/25/2008	08:41:57	0.129
2902	09/25/2008	08:41:58	0.127
2903	09/25/2008	08:41:59	0.129

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
2904	09/25/2008	08:42:00	0.153
2905	09/25/2008	08:42:01	0.124
2906	09/25/2008	08:42:02	0.134
2907	09/25/2008	08:42:03	0.140
2908	09/25/2008	08:42:04	0.130
2909	09/25/2008	08:42:05	0.129
2910	09/25/2008	08:42:06	0.142
2911	09/25/2008	08:42:07	0.129
2912	09/25/2008	08:42:08	0.130
2913	09/25/2008	08:42:09	0.129
2914	09/25/2008	08:42:10	0.126
2915	09/25/2008	08:42:11	0.131
2916	09/25/2008	08:42:12	0.137
2917	09/25/2008	08:42:13	0.151
2918	09/25/2008	08:42:14	0.128
2919	09/25/2008	08:42:15	0.125
2920	09/25/2008	08:42:16	0.134
2921	09/25/2008	08:42:17	0.123
2922	09/25/2008	08:42:18	0.139
2923	09/25/2008	08:42:19	0.120
2924	09/25/2008	08:42:20	0.121
2925	09/25/2008	08:42:21	0.130
2926	09/25/2008	08:42:22	0.120
2927	09/25/2008	08:42:23	0.115
2928	09/25/2008	08:42:24	0.121
2929	09/25/2008	08:42:25	0.119
2930	09/25/2008	08:42:26	0.160
2931	09/25/2008	08:42:27	0.112
2932	09/25/2008	08:42:28	0.113
2933	09/25/2008	08:42:29	0.129
2934	09/25/2008	08:42:30	0.107
2935	09/25/2008	08:42:31	0.114
2936	09/25/2008	08:42:32	0.134
2937	09/25/2008	08:42:33	0.122
2938	09/25/2008	08:42:34	0.104
2939	09/25/2008	08:42:35	0.114
2940	09/25/2008	08:42:36	0.111
2941	09/25/2008	08:42:37	0.145
2942	09/25/2008	08:42:38	0.147
2943	09/25/2008	08:42:39	0.123
2944	09/25/2008	08:42:40	0.121
2945	09/25/2008	08:42:41	0.131
2946	09/25/2008	08:42:42	0.120
2947	09/25/2008	08:42:43	0.116
2948	09/25/2008	08:42:44	0.119
2949	09/25/2008	08:42:45	0.118
2950	09/25/2008	08:42:46	0.107
2951	09/25/2008	08:42:47	0.125
2952	09/25/2008	08:42:48	0.119
2953	09/25/2008	08:42:49	0.119
2954	09/25/2008	08:42:50	0.115
2955	09/25/2008	08:42:51	0.138
2956	09/25/2008	08:42:52	0.113
2957	09/25/2008	08:42:53	0.120
2958	09/25/2008	08:42:54	0.110



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
2959	09/25/2008	08:42:55	0.115
2960	09/25/2008	08:42:56	0.115
2961	09/25/2008	08:42:57	0.116
2962	09/25/2008	08:42:58	0.123
2963	09/25/2008	08:42:59	0.111
2964	09/25/2008	08:43:00	0.134
2965	09/25/2008	08:43:01	0.109
2966	09/25/2008	08:43:02	0.132
2967	09/25/2008	08:43:03	0.114
2968	09/25/2008	08:43:04	0.129
2969	09/25/2008	08:43:05	0.118
2970	09/25/2008	08:43:06	0.132
2971	09/25/2008	08:43:07	0.118
2972	09/25/2008	08:43:08	0.125
2973	09/25/2008	08:43:09	0.125
2974	09/25/2008	08:43:10	0.119
2975	09/25/2008	08:43:11	0.178
2976	09/25/2008	08:43:12	0.108
2977	09/25/2008	08:43:13	0.106
2978	09/25/2008	08:43:14	0.109
2979	09/25/2008	08:43:15	0.106
2980	09/25/2008	08:43:16	0.107
2981	09/25/2008	08:43:17	0.114
2982	09/25/2008	08:43:18	0.111
2983	09/25/2008	08:43:19	0.112
2984	09/25/2008	08:43:20	0.103
2985	09/25/2008	08:43:21	0.104
2986	09/25/2008	08:43:22	0.109
2987	09/25/2008	08:43:23	0.102
2988	09/25/2008	08:43:24	0.107
2989	09/25/2008	08:43:25	0.114
2990	09/25/2008	08:43:26	0.112
2991	09/25/2008	08:43:27	0.096
2992	09/25/2008	08:43:28	0.099
2993	09/25/2008	08:43:29	0.101
2994	09/25/2008	08:43:30	0.101
2995	09/25/2008	08:43:31	0.098
2996	09/25/2008	08:43:32	0.105
2997	09/25/2008	08:43:33	0.101
2998	09/25/2008	08:43:34	0.098
2999	09/25/2008	08:43:35	0.100
3000	09/25/2008	08:43:36	0.095
3001	09/25/2008	08:43:37	0.095
3002	09/25/2008	08:43:38	0.095
3003	09/25/2008	08:43:39	0.103
3004	09/25/2008	08:43:40	0.102
3005	09/25/2008	08:43:41	0.101
3006	09/25/2008	08:43:42	0.102
3007	09/25/2008	08:43:43	0.094
3008	09/25/2008	08:43:44	0.099
3009	09/25/2008	08:43:45	0.105
3010	09/25/2008	08:43:46	0.100
3011	09/25/2008	08:43:47	0.095
3012	09/25/2008	08:43:48	0.105
3013	09/25/2008	08:43:49	0.101

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
3014	09/25/2008	08:43:50	0.089
3015	09/25/2008	08:43:51	0.095
3016	09/25/2008	08:43:52	0.099
3017	09/25/2008	08:43:53	0.100
3018	09/25/2008	08:43:54	0.101
3019	09/25/2008	08:43:55	0.102
3020	09/25/2008	08:43:56	0.095
3021	09/25/2008	08:43:57	0.102
3022	09/25/2008	08:43:58	0.091
3023	09/25/2008	08:43:59	0.084
3024	09/25/2008	08:44:00	0.089
3025	09/25/2008	08:44:01	0.107
3026	09/25/2008	08:44:02	0.108
3027	09/25/2008	08:44:03	0.088
3028	09/25/2008	08:44:04	0.089
3029	09/25/2008	08:44:05	0.085
3030	09/25/2008	08:44:06	0.092
3031	09/25/2008	08:44:07	0.081
3032	09/25/2008	08:44:08	0.095
3033	09/25/2008	08:44:09	0.122
3034	09/25/2008	08:44:10	0.089
3035	09/25/2008	08:44:11	0.093
3036	09/25/2008	08:44:12	0.084
3037	09/25/2008	08:44:13	0.086
3038	09/25/2008	08:44:14	0.087
3039	09/25/2008	08:44:15	0.091
3040	09/25/2008	08:44:16	0.102
3041	09/25/2008	08:44:17	0.095
3042	09/25/2008	08:44:18	0.092
3043	09/25/2008	08:44:19	0.089
3044	09/25/2008	08:44:20	0.095
3045	09/25/2008	08:44:21	0.083
3046	09/25/2008	08:44:22	0.104
3047	09/25/2008	08:44:23	0.091
3048	09/25/2008	08:44:24	0.089
3049	09/25/2008	08:44:25	0.092
3050	09/25/2008	08:44:26	0.119
3051	09/25/2008	08:44:27	0.097
3052	09/25/2008	08:44:28	0.082
3053	09/25/2008	08:44:29	0.096
3054	09/25/2008	08:44:30	0.090
3055	09/25/2008	08:44:31	0.105
3056	09/25/2008	08:44:32	0.089
3057	09/25/2008	08:44:33	0.091
3058	09/25/2008	08:44:34	0.081
3059	09/25/2008	08:44:35	0.092
3060	09/25/2008	08:44:36	0.093
3061	09/25/2008	08:44:37	0.087
3062	09/25/2008	08:44:38	0.093
3063	09/25/2008	08:44:39	0.089
3064	09/25/2008	08:44:40	0.201
3065	09/25/2008	08:44:41	0.083
3066	09/25/2008	08:44:42	0.120
3067	09/25/2008	08:44:43	0.093
3068	09/25/2008	08:44:44	0.097

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
3069	09/25/2008	08:44:45	0.099
3070	09/25/2008	08:44:46	0.091
3071	09/25/2008	08:44:47	0.082
3072	09/25/2008	08:44:48	0.086
3073	09/25/2008	08:44:49	0.161
3074	09/25/2008	08:44:50	0.087
3075	09/25/2008	08:44:51	0.082
3076	09/25/2008	08:44:52	0.087
3077	09/25/2008	08:44:53	0.087
3078	09/25/2008	08:44:54	0.172
3079	09/25/2008	08:44:55	0.113
3080	09/25/2008	08:44:56	0.088
3081	09/25/2008	08:44:57	0.084
3082	09/25/2008	08:44:58	0.095
3083	09/25/2008	08:44:59	0.112
3084	09/25/2008	08:45:00	0.090
3085	09/25/2008	08:45:01	0.094
3086	09/25/2008	08:45:02	0.095
3087	09/25/2008	08:45:03	0.090
3088	09/25/2008	08:45:04	0.083
3089	09/25/2008	08:45:05	0.087
3090	09/25/2008	08:45:06	0.092
3091	09/25/2008	08:45:07	0.088
3092	09/25/2008	08:45:08	0.084
3093	09/25/2008	08:45:09	0.085
3094	09/25/2008	08:45:10	0.099
3095	09/25/2008	08:45:11	0.083
3096	09/25/2008	08:45:12	0.093
3097	09/25/2008	08:45:13	0.084
3098	09/25/2008	08:45:14	0.093
3099	09/25/2008	08:45:15	0.094
3100	09/25/2008	08:45:16	0.134
3101	09/25/2008	08:45:17	0.083
3102	09/25/2008	08:45:18	0.087
3103	09/25/2008	08:45:19	0.082
3104	09/25/2008	08:45:20	0.092
3105	09/25/2008	08:45:21	0.083
3106	09/25/2008	08:45:22	0.090
3107	09/25/2008	08:45:23	0.093
3108	09/25/2008	08:45:24	0.099
3109	09/25/2008	08:45:25	0.093
3110	09/25/2008	08:45:26	0.087
3111	09/25/2008	08:45:27	0.089
3112	09/25/2008	08:45:28	0.081
3113	09/25/2008	08:45:29	0.090
3114	09/25/2008	08:45:30	0.090
3115	09/25/2008	08:45:31	0.091
3116	09/25/2008	08:45:32	0.087
3117	09/25/2008	08:45:33	0.082
3118	09/25/2008	08:45:34	0.095
3119	09/25/2008	08:45:35	0.085
3120	09/25/2008	08:45:36	0.087
3121	09/25/2008	08:45:37	0.083
3122	09/25/2008	08:45:38	0.083
3123	09/25/2008	08:45:39	0.088

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
3124	09/25/2008	08:45:40	0.092
3125	09/25/2008	08:45:41	0.084
3126	09/25/2008	08:45:42	0.084
3127	09/25/2008	08:45:43	0.093
3128	09/25/2008	08:45:44	0.083
3129	09/25/2008	08:45:45	0.091
3130	09/25/2008	08:45:46	0.082
3131	09/25/2008	08:45:47	0.090
3132	09/25/2008	08:45:48	0.093
3133	09/25/2008	08:45:49	0.103
3134	09/25/2008	08:45:50	0.085
3135	09/25/2008	08:45:51	0.107
3136	09/25/2008	08:45:52	0.078
3137	09/25/2008	08:45:53	0.087
3138	09/25/2008	08:45:54	0.082
3139	09/25/2008	08:45:55	0.090
3140	09/25/2008	08:45:56	0.113
3141	09/25/2008	08:45:57	0.112
3142	09/25/2008	08:45:58	0.095
3143	09/25/2008	08:45:59	0.089
3144	09/25/2008	08:46:00	0.092
3145	09/25/2008	08:46:01	0.085
3146	09/25/2008	08:46:02	0.089
3147	09/25/2008	08:46:03	0.081
3148	09/25/2008	08:46:04	0.086
3149	09/25/2008	08:46:05	0.093
3150	09/25/2008	08:46:06	0.086
3151	09/25/2008	08:46:07	0.103
3152	09/25/2008	08:46:08	0.093
3153	09/25/2008	08:46:09	0.081
3154	09/25/2008	08:46:10	0.086
3155	09/25/2008	08:46:11	0.085
3156	09/25/2008	08:46:12	0.086
3157	09/25/2008	08:46:13	0.081
3158	09/25/2008	08:46:14	0.080
3159	09/25/2008	08:46:15	0.089
3160	09/25/2008	08:46:16	0.119
3161	09/25/2008	08:46:17	0.088
3162	09/25/2008	08:46:18	0.086
3163	09/25/2008	08:46:19	0.097
3164	09/25/2008	08:46:20	0.087
3165	09/25/2008	08:46:21	0.082
3166	09/25/2008	08:46:22	0.080
3167	09/25/2008	08:46:23	0.082
3168	09/25/2008	08:46:24	0.088
3169	09/25/2008	08:46:25	0.085
3170	09/25/2008	08:46:26	0.078
3171	09/25/2008	08:46:27	0.086
3172	09/25/2008	08:46:28	0.083
3173	09/25/2008	08:46:29	0.084
3174	09/25/2008	08:46:30	0.108
3175	09/25/2008	08:46:31	0.086
3176	09/25/2008	08:46:32	0.082
3177	09/25/2008	08:46:33	0.113
3178	09/25/2008	08:46:34	0.094

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
3179	09/25/2008	08:46:35	0.083
3180	09/25/2008	08:46:36	0.083
3181	09/25/2008	08:46:37	0.099
3182	09/25/2008	08:46:38	0.088
3183	09/25/2008	08:46:39	0.082
3184	09/25/2008	08:46:40	0.094
3185	09/25/2008	08:46:41	0.093
3186	09/25/2008	08:46:42	0.124
3187	09/25/2008	08:46:43	0.095
3188	09/25/2008	08:46:44	0.090
3189	09/25/2008	08:46:45	0.085
3190	09/25/2008	08:46:46	0.100
3191	09/25/2008	08:46:47	0.095
3192	09/25/2008	08:46:48	0.081
3193	09/25/2008	08:46:49	0.084
3194	09/25/2008	08:46:50	0.086
3195	09/25/2008	08:46:51	0.116
3196	09/25/2008	08:46:52	0.092
3197	09/25/2008	08:46:53	0.100
3198	09/25/2008	08:46:54	0.094
3199	09/25/2008	08:46:55	0.089
3200	09/25/2008	08:46:56	0.088
3201	09/25/2008	08:46:57	0.095
3202	09/25/2008	08:46:58	0.085
3203	09/25/2008	08:46:59	0.086
3204	09/25/2008	08:47:00	0.089
3205	09/25/2008	08:47:01	0.089
3206	09/25/2008	08:47:02	0.102
3207	09/25/2008	08:47:03	0.090
3208	09/25/2008	08:47:04	0.084
3209	09/25/2008	08:47:05	0.080
3210	09/25/2008	08:47:06	0.091
3211	09/25/2008	08:47:07	0.116
3212	09/25/2008	08:47:08	0.086
3213	09/25/2008	08:47:09	0.082
3214	09/25/2008	08:47:10	0.086
3215	09/25/2008	08:47:11	0.078
3216	09/25/2008	08:47:12	0.085
3217	09/25/2008	08:47:13	0.091
3218	09/25/2008	08:47:14	0.102
3219	09/25/2008	08:47:15	0.089
3220	09/25/2008	08:47:16	0.082
3221	09/25/2008	08:47:17	0.102
3222	09/25/2008	08:47:18	0.078
3223	09/25/2008	08:47:19	0.109
3224	09/25/2008	08:47:20	0.085
3225	09/25/2008	08:47:21	0.086
3226	09/25/2008	08:47:22	0.085
3227	09/25/2008	08:47:23	0.093
3228	09/25/2008	08:47:24	0.086
3229	09/25/2008	08:47:25	0.089
3230	09/25/2008	08:47:26	0.082
3231	09/25/2008	08:47:27	0.095
3232	09/25/2008	08:47:28	0.081
3233	09/25/2008	08:47:29	0.110

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
3234	09/25/2008	08:47:30	0.085
3235	09/25/2008	08:47:31	0.082
3236	09/25/2008	08:47:32	0.094
3237	09/25/2008	08:47:33	0.083
3238	09/25/2008	08:47:34	0.089
3239	09/25/2008	08:47:35	0.119
3240	09/25/2008	08:47:36	0.095
3241	09/25/2008	08:47:37	0.081
3242	09/25/2008	08:47:38	0.087
3243	09/25/2008	08:47:39	0.105
3244	09/25/2008	08:47:40	0.097
3245	09/25/2008	08:47:41	0.088
3246	09/25/2008	08:47:42	0.077
3247	09/25/2008	08:47:43	0.086
3248	09/25/2008	08:47:44	0.090
3249	09/25/2008	08:47:45	0.085
3250	09/25/2008	08:47:46	0.085
3251	09/25/2008	08:47:47	0.083
3252	09/25/2008	08:47:48	0.081
3253	09/25/2008	08:47:49	0.081
3254	09/25/2008	08:47:50	0.093
3255	09/25/2008	08:47:51	0.076
3256	09/25/2008	08:47:52	0.085
3257	09/25/2008	08:47:53	0.079
3258	09/25/2008	08:47:54	0.095
3259	09/25/2008	08:47:55	0.083
3260	09/25/2008	08:47:56	0.097
3261	09/25/2008	08:47:57	0.082
3262	09/25/2008	08:47:58	0.087
3263	09/25/2008	08:47:59	0.086
3264	09/25/2008	08:48:00	0.089
3265	09/25/2008	08:48:01	0.102
3266	09/25/2008	08:48:02	0.086
3267	09/25/2008	08:48:03	0.088
3268	09/25/2008	08:48:04	0.085
3269	09/25/2008	08:48:05	0.089
3270	09/25/2008	08:48:06	0.083
3271	09/25/2008	08:48:07	0.099
3272	09/25/2008	08:48:08	0.081
3273	09/25/2008	08:48:09	0.099
3274	09/25/2008	08:48:10	0.086
3275	09/25/2008	08:48:11	0.084
3276	09/25/2008	08:48:12	0.100
3277	09/25/2008	08:48:13	0.081
3278	09/25/2008	08:48:14	0.082
3279	09/25/2008	08:48:15	0.085
3280	09/25/2008	08:48:16	0.084
3281	09/25/2008	08:48:17	0.084
3282	09/25/2008	08:48:18	0.085
3283	09/25/2008	08:48:19	0.081
3284	09/25/2008	08:48:20	0.081
3285	09/25/2008	08:48:21	0.087
3286	09/25/2008	08:48:22	0.081
3287	09/25/2008	08:48:23	0.084
3288	09/25/2008	08:48:24	0.084

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
3289	09/25/2008	08:48:25	0.094
3290	09/25/2008	08:48:26	0.091
3291	09/25/2008	08:48:27	0.089
3292	09/25/2008	08:48:28	0.099
3293	09/25/2008	08:48:29	0.092
3294	09/25/2008	08:48:30	0.090
3295	09/25/2008	08:48:31	0.083
3296	09/25/2008	08:48:32	0.081
3297	09/25/2008	08:48:33	0.091
3298	09/25/2008	08:48:34	0.089
3299	09/25/2008	08:48:35	0.092
3300	09/25/2008	08:48:36	0.091
3301	09/25/2008	08:48:37	0.080
3302	09/25/2008	08:48:38	0.099
3303	09/25/2008	08:48:39	0.092
3304	09/25/2008	08:48:40	0.097
3305	09/25/2008	08:48:41	0.093
3306	09/25/2008	08:48:42	0.091
3307	09/25/2008	08:48:43	0.083
3308	09/25/2008	08:48:44	0.099
3309	09/25/2008	08:48:45	0.087
3310	09/25/2008	08:48:46	0.079
3311	09/25/2008	08:48:47	0.086
3312	09/25/2008	08:48:48	0.093
3313	09/25/2008	08:48:49	0.085
3314	09/25/2008	08:48:50	0.089
3315	09/25/2008	08:48:51	0.090
3316	09/25/2008	08:48:52	0.087
3317	09/25/2008	08:48:53	0.114
3318	09/25/2008	08:48:54	0.085
3319	09/25/2008	08:48:55	0.096
3320	09/25/2008	08:48:56	0.086
3321	09/25/2008	08:48:57	0.083
3322	09/25/2008	08:48:58	0.109
3323	09/25/2008	08:48:59	0.088
3324	09/25/2008	08:49:00	0.088
3325	09/25/2008	08:49:01	0.090
3326	09/25/2008	08:49:02	0.086
3327	09/25/2008	08:49:03	0.093
3328	09/25/2008	08:49:04	0.089
3329	09/25/2008	08:49:05	0.091
3330	09/25/2008	08:49:06	0.084
3331	09/25/2008	08:49:07	0.091
3332	09/25/2008	08:49:08	0.080
3333	09/25/2008	08:49:09	0.091
3334	09/25/2008	08:49:10	0.087
3335	09/25/2008	08:49:11	0.087
3336	09/25/2008	08:49:12	0.085
3337	09/25/2008	08:49:13	0.107
3338	09/25/2008	08:49:14	0.092
3339	09/25/2008	08:49:15	0.088
3340	09/25/2008	08:49:16	0.087
3341	09/25/2008	08:49:17	0.103
3342	09/25/2008	08:49:18	0.087
3343	09/25/2008	08:49:19	0.104

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
3344	09/25/2008	08:49:20	0.181
3345	09/25/2008	08:49:21	0.084
3346	09/25/2008	08:49:22	0.078
3347	09/25/2008	08:49:23	0.093
3348	09/25/2008	08:49:24	0.093
3349	09/25/2008	08:49:25	0.095
3350	09/25/2008	08:49:26	0.087
3351	09/25/2008	08:49:27	0.086
3352	09/25/2008	08:49:28	0.091
3353	09/25/2008	08:49:29	0.090
3354	09/25/2008	08:49:30	0.081
3355	09/25/2008	08:49:31	0.104
3356	09/25/2008	08:49:32	0.085
3357	09/25/2008	08:49:33	0.083
3358	09/25/2008	08:49:34	0.083
3359	09/25/2008	08:49:35	0.080
3360	09/25/2008	08:49:36	0.123
3361	09/25/2008	08:49:37	0.078
3362	09/25/2008	08:49:38	0.093
3363	09/25/2008	08:49:39	0.105
3364	09/25/2008	08:49:40	0.083
3365	09/25/2008	08:49:41	0.091
3366	09/25/2008	08:49:42	0.089
3367	09/25/2008	08:49:43	0.079
3368	09/25/2008	08:49:44	0.082
3369	09/25/2008	08:49:45	0.105
3370	09/25/2008	08:49:46	0.086
3371	09/25/2008	08:49:47	0.088
3372	09/25/2008	08:49:48	0.086
3373	09/25/2008	08:49:49	0.092
3374	09/25/2008	08:49:50	0.102
3375	09/25/2008	08:49:51	0.083
3376	09/25/2008	08:49:52	0.079
3377	09/25/2008	08:49:53	0.093
3378	09/25/2008	08:49:54	0.087
3379	09/25/2008	08:49:55	0.087
3380	09/25/2008	08:49:56	0.087
3381	09/25/2008	08:49:57	0.083
3382	09/25/2008	08:49:58	0.119
3383	09/25/2008	08:49:59	0.089
3384	09/25/2008	08:50:00	0.086
3385	09/25/2008	08:50:01	0.081
3386	09/25/2008	08:50:02	0.089
3387	09/25/2008	08:50:03	0.111
3388	09/25/2008	08:50:04	0.107
3389	09/25/2008	08:50:05	0.112
3390	09/25/2008	08:50:06	0.092
3391	09/25/2008	08:50:07	0.081
3392	09/25/2008	08:50:08	0.088
3393	09/25/2008	08:50:09	0.080
3394	09/25/2008	08:50:10	0.086
3395	09/25/2008	08:50:11	0.095
3396	09/25/2008	08:50:12	0.089
3397	09/25/2008	08:50:13	0.090
3398	09/25/2008	08:50:14	0.094



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
3399	09/25/2008	08:50:15	0.090
3400	09/25/2008	08:50:16	0.083
3401	09/25/2008	08:50:17	0.087
3402	09/25/2008	08:50:18	0.087
3403	09/25/2008	08:50:19	0.101
3404	09/25/2008	08:50:20	0.085
3405	09/25/2008	08:50:21	0.083
3406	09/25/2008	08:50:22	0.220
3407	09/25/2008	08:50:23	0.095
3408	09/25/2008	08:50:24	0.092
3409	09/25/2008	08:50:25	0.167
3410	09/25/2008	08:50:26	0.272
3411	09/25/2008	08:50:27	0.168
3412	09/25/2008	08:50:28	0.114
3413	09/25/2008	08:50:29	0.118
3414	09/25/2008	08:50:30	0.101
3415	09/25/2008	08:50:31	0.095
3416	09/25/2008	08:50:32	0.100
3417	09/25/2008	08:50:33	0.089
3418	09/25/2008	08:50:34	0.094
3419	09/25/2008	08:50:35	0.115
3420	09/25/2008	08:50:36	0.098
3421	09/25/2008	08:50:37	0.109
3422	09/25/2008	08:50:38	0.098
3423	09/25/2008	08:50:39	0.102
3424	09/25/2008	08:50:40	0.091
3425	09/25/2008	08:50:41	0.095
3426	09/25/2008	08:50:42	0.092
3427	09/25/2008	08:50:43	0.124
3428	09/25/2008	08:50:44	0.097
3429	09/25/2008	08:50:45	0.095
3430	09/25/2008	08:50:46	0.088
3431	09/25/2008	08:50:47	0.093
3432	09/25/2008	08:50:48	0.095
3433	09/25/2008	08:50:49	0.099
3434	09/25/2008	08:50:50	0.100
3435	09/25/2008	08:50:51	0.107
3436	09/25/2008	08:50:52	0.093
3437	09/25/2008	08:50:53	0.090
3438	09/25/2008	08:50:54	0.089
3439	09/25/2008	08:50:55	0.081
3440	09/25/2008	08:50:56	0.113
3441	09/25/2008	08:50:57	0.088
3442	09/25/2008	08:50:58	0.083
3443	09/25/2008	08:50:59	0.094
3444	09/25/2008	08:51:00	0.100
3445	09/25/2008	08:51:01	0.086
3446	09/25/2008	08:51:02	0.088
3447	09/25/2008	08:51:03	0.079
3448	09/25/2008	08:51:04	0.093
3449	09/25/2008	08:51:05	0.084
3450	09/25/2008	08:51:06	0.086
3451	09/25/2008	08:51:07	0.084
3452	09/25/2008	08:51:08	0.098
3453	09/25/2008	08:51:09	0.091

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
3454	09/25/2008	08:51:10	0.081
3455	09/25/2008	08:51:11	0.097
3456	09/25/2008	08:51:12	0.092
3457	09/25/2008	08:51:13	0.085
3458	09/25/2008	08:51:14	0.090
3459	09/25/2008	08:51:15	0.101
3460	09/25/2008	08:51:16	0.098
3461	09/25/2008	08:51:17	0.088
3462	09/25/2008	08:51:18	0.094
3463	09/25/2008	08:51:19	0.087
3464	09/25/2008	08:51:20	0.082
3465	09/25/2008	08:51:21	0.089
3466	09/25/2008	08:51:22	0.087
3467	09/25/2008	08:51:23	0.090
3468	09/25/2008	08:51:24	0.090
3469	09/25/2008	08:51:25	0.085
3470	09/25/2008	08:51:26	0.092
3471	09/25/2008	08:51:27	0.096
3472	09/25/2008	08:51:28	0.089
3473	09/25/2008	08:51:29	0.089
3474	09/25/2008	08:51:30	0.121
3475	09/25/2008	08:51:31	0.088
3476	09/25/2008	08:51:32	0.089
3477	09/25/2008	08:51:33	0.098
3478	09/25/2008	08:51:34	0.085
3479	09/25/2008	08:51:35	0.083
3480	09/25/2008	08:51:36	0.087
3481	09/25/2008	08:51:37	0.080
3482	09/25/2008	08:51:38	0.085
3483	09/25/2008	08:51:39	0.087
3484	09/25/2008	08:51:40	0.096
3485	09/25/2008	08:51:41	0.089
3486	09/25/2008	08:51:42	0.099
3487	09/25/2008	08:51:43	0.085
3488	09/25/2008	08:51:44	0.101
3489	09/25/2008	08:51:45	0.110
3490	09/25/2008	08:51:46	0.082
3491	09/25/2008	08:51:47	0.095
3492	09/25/2008	08:51:48	0.092
3493	09/25/2008	08:51:49	0.090
3494	09/25/2008	08:51:50	0.095
3495	09/25/2008	08:51:51	0.084
3496	09/25/2008	08:51:52	0.147
3497	09/25/2008	08:51:53	0.109
3498	09/25/2008	08:51:54	0.096
3499	09/25/2008	08:51:55	0.082
3500	09/25/2008	08:51:56	0.095
3501	09/25/2008	08:51:57	0.092
3502	09/25/2008	08:51:58	0.087
3503	09/25/2008	08:51:59	0.097
3504	09/25/2008	08:52:00	0.113
3505	09/25/2008	08:52:01	0.095
3506	09/25/2008	08:52:02	0.104
3507	09/25/2008	08:52:03	0.089
3508	09/25/2008	08:52:04	0.219

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
3509	09/25/2008	08:52:05	0.139
3510	09/25/2008	08:52:06	0.096
3511	09/25/2008	08:52:07	0.110
3512	09/25/2008	08:52:08	0.146
3513	09/25/2008	08:52:09	0.094
3514	09/25/2008	08:52:10	0.088
3515	09/25/2008	08:52:11	0.098
3516	09/25/2008	08:52:12	0.099
3517	09/25/2008	08:52:13	0.084
3518	09/25/2008	08:52:14	0.089
3519	09/25/2008	08:52:15	0.110
3520	09/25/2008	08:52:16	0.094
3521	09/25/2008	08:52:17	0.090
3522	09/25/2008	08:52:18	0.096
3523	09/25/2008	08:52:19	0.096
3524	09/25/2008	08:52:20	0.103
3525	09/25/2008	08:52:21	0.103
3526	09/25/2008	08:52:22	0.082
3527	09/25/2008	08:52:23	0.082
3528	09/25/2008	08:52:24	0.091
3529	09/25/2008	08:52:25	0.103
3530	09/25/2008	08:52:26	0.087
3531	09/25/2008	08:52:27	0.083
3532	09/25/2008	08:52:28	0.105
3533	09/25/2008	08:52:29	0.085
3534	09/25/2008	08:52:30	0.085
3535	09/25/2008	08:52:31	0.090
3536	09/25/2008	08:52:32	0.092
3537	09/25/2008	08:52:33	0.099
3538	09/25/2008	08:52:34	0.088
3539	09/25/2008	08:52:35	0.085
3540	09/25/2008	08:52:36	0.093
3541	09/25/2008	08:52:37	0.137
3542	09/25/2008	08:52:38	0.085
3543	09/25/2008	08:52:39	0.085
3544	09/25/2008	08:52:40	0.094
3545	09/25/2008	08:52:41	0.091
3546	09/25/2008	08:52:42	0.087
3547	09/25/2008	08:52:43	0.086
3548	09/25/2008	08:52:44	0.091
3549	09/25/2008	08:52:45	0.098
3550	09/25/2008	08:52:46	0.088
3551	09/25/2008	08:52:47	0.104
3552	09/25/2008	08:52:48	0.082
3553	09/25/2008	08:52:49	0.084
3554	09/25/2008	08:52:50	0.083
3555	09/25/2008	08:52:51	0.092
3556	09/25/2008	08:52:52	0.087
3557	09/25/2008	08:52:53	0.086
3558	09/25/2008	08:52:54	0.089
3559	09/25/2008	08:52:55	0.082
3560	09/25/2008	08:52:56	0.086
3561	09/25/2008	08:52:57	0.109
3562	09/25/2008	08:52:58	0.104
3563	09/25/2008	08:52:59	0.084

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
3564	09/25/2008	08:53:00	0.087
3565	09/25/2008	08:53:01	0.087
3566	09/25/2008	08:53:02	0.115
3567	09/25/2008	08:53:03	0.092
3568	09/25/2008	08:53:04	0.092
3569	09/25/2008	08:53:05	0.087
3570	09/25/2008	08:53:06	0.106
3571	09/25/2008	08:53:07	0.087
3572	09/25/2008	08:53:08	0.083
3573	09/25/2008	08:53:09	0.091
3574	09/25/2008	08:53:10	0.094
3575	09/25/2008	08:53:11	0.093
3576	09/25/2008	08:53:12	0.088
3577	09/25/2008	08:53:13	0.088
3578	09/25/2008	08:53:14	0.102
3579	09/25/2008	08:53:15	0.091
3580	09/25/2008	08:53:16	0.082
3581	09/25/2008	08:53:17	0.118
3582	09/25/2008	08:53:18	0.087
3583	09/25/2008	08:53:19	0.085
3584	09/25/2008	08:53:20	0.093
3585	09/25/2008	08:53:21	0.088
3586	09/25/2008	08:53:22	0.083
3587	09/25/2008	08:53:23	0.093
3588	09/25/2008	08:53:24	0.110
3589	09/25/2008	08:53:25	0.087
3590	09/25/2008	08:53:26	0.097
3591	09/25/2008	08:53:27	0.125
3592	09/25/2008	08:53:28	0.085
3593	09/25/2008	08:53:29	0.093
3594	09/25/2008	08:53:30	0.084
3595	09/25/2008	08:53:31	0.081
3596	09/25/2008	08:53:32	0.089
3597	09/25/2008	08:53:33	0.091
3598	09/25/2008	08:53:34	0.112
3599	09/25/2008	08:53:35	0.084
3600	09/25/2008	08:53:36	0.087
3601	09/25/2008	08:53:37	0.082
3602	09/25/2008	08:53:38	0.081
3603	09/25/2008	08:53:39	0.085
3604	09/25/2008	08:53:40	0.089
3605	09/25/2008	08:53:41	0.081
3606	09/25/2008	08:53:42	0.082
3607	09/25/2008	08:53:43	0.080
3608	09/25/2008	08:53:44	0.095
3609	09/25/2008	08:53:45	0.092
3610	09/25/2008	08:53:46	0.092
3611	09/25/2008	08:53:47	0.083
3612	09/25/2008	08:53:48	0.096
3613	09/25/2008	08:53:49	0.085
3614	09/25/2008	08:53:50	0.088
3615	09/25/2008	08:53:51	0.086
3616	09/25/2008	08:53:52	0.088
3617	09/25/2008	08:53:53	0.087
3618	09/25/2008	08:53:54	0.086

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
3619	09/25/2008	08:53:55	0.086
3620	09/25/2008	08:53:56	0.091
3621	09/25/2008	08:53:57	0.108
3622	09/25/2008	08:53:58	0.086
3623	09/25/2008	08:53:59	0.089
3624	09/25/2008	08:54:00	0.092
3625	09/25/2008	08:54:01	0.080
3626	09/25/2008	08:54:02	0.091
3627	09/25/2008	08:54:03	0.107
3628	09/25/2008	08:54:04	0.079
3629	09/25/2008	08:54:05	0.087
3630	09/25/2008	08:54:06	0.081
3631	09/25/2008	08:54:07	0.084
3632	09/25/2008	08:54:08	0.146
3633	09/25/2008	08:54:09	0.084
3634	09/25/2008	08:54:10	0.097
3635	09/25/2008	08:54:11	0.087
3636	09/25/2008	08:54:12	0.077
3637	09/25/2008	08:54:13	0.088
3638	09/25/2008	08:54:14	0.089
3639	09/25/2008	08:54:15	0.086
3640	09/25/2008	08:54:16	0.087
3641	09/25/2008	08:54:17	0.090
3642	09/25/2008	08:54:18	0.154
3643	09/25/2008	08:54:19	0.086
3644	09/25/2008	08:54:20	0.088
3645	09/25/2008	08:54:21	0.089
3646	09/25/2008	08:54:22	0.117
3647	09/25/2008	08:54:23	0.091
3648	09/25/2008	08:54:24	0.084
3649	09/25/2008	08:54:25	0.092
3650	09/25/2008	08:54:26	0.084
3651	09/25/2008	08:54:27	0.091
3652	09/25/2008	08:54:28	0.099
3653	09/25/2008	08:54:29	0.086
3654	09/25/2008	08:54:30	0.080
3655	09/25/2008	08:54:31	0.084
3656	09/25/2008	08:54:32	0.108
3657	09/25/2008	08:54:33	0.118
3658	09/25/2008	08:54:34	0.091
3659	09/25/2008	08:54:35	0.094
3660	09/25/2008	08:54:36	0.097
3661	09/25/2008	08:54:37	0.082
3662	09/25/2008	08:54:38	0.084
3663	09/25/2008	08:54:39	0.094
3664	09/25/2008	08:54:40	0.093
3665	09/25/2008	08:54:41	0.138
3666	09/25/2008	08:54:42	0.116
3667	09/25/2008	08:54:43	0.092
3668	09/25/2008	08:54:44	0.117
3669	09/25/2008	08:54:45	0.100
3670	09/25/2008	08:54:46	0.086
3671	09/25/2008	08:54:47	0.095
3672	09/25/2008	08:54:48	0.096
3673	09/25/2008	08:54:49	0.090

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
3674	09/25/2008	08:54:50	0.100
3675	09/25/2008	08:54:51	0.090
3676	09/25/2008	08:54:52	0.122
3677	09/25/2008	08:54:53	0.089
3678	09/25/2008	08:54:54	0.088
3679	09/25/2008	08:54:55	0.113
3680	09/25/2008	08:54:56	0.093
3681	09/25/2008	08:54:57	0.081
3682	09/25/2008	08:54:58	0.105
3683	09/25/2008	08:54:59	0.084
3684	09/25/2008	08:55:00	0.099
3685	09/25/2008	08:55:01	0.088
3686	09/25/2008	08:55:02	0.113
3687	09/25/2008	08:55:03	0.098
3688	09/25/2008	08:55:04	0.093
3689	09/25/2008	08:55:05	0.107
3690	09/25/2008	08:55:06	0.084
3691	09/25/2008	08:55:07	0.091
3692	09/25/2008	08:55:08	0.085
3693	09/25/2008	08:55:09	0.085
3694	09/25/2008	08:55:10	0.091
3695	09/25/2008	08:55:11	0.091
3696	09/25/2008	08:55:12	0.096
3697	09/25/2008	08:55:13	0.143
3698	09/25/2008	08:55:14	0.084
3699	09/25/2008	08:55:15	0.089
3700	09/25/2008	08:55:16	0.082
3701	09/25/2008	08:55:17	0.086
3702	09/25/2008	08:55:18	0.089
3703	09/25/2008	08:55:19	0.083
3704	09/25/2008	08:55:20	0.102
3705	09/25/2008	08:55:21	0.090
3706	09/25/2008	08:55:22	0.082
3707	09/25/2008	08:55:23	0.081
3708	09/25/2008	08:55:24	0.118
3709	09/25/2008	08:55:25	0.082
3710	09/25/2008	08:55:26	0.087
3711	09/25/2008	08:55:27	0.091
3712	09/25/2008	08:55:28	0.083
3713	09/25/2008	08:55:29	0.086
3714	09/25/2008	08:55:30	0.090
3715	09/25/2008	08:55:31	0.100
3716	09/25/2008	08:55:32	0.086
3717	09/25/2008	08:55:33	0.078
3718	09/25/2008	08:55:34	0.091
3719	09/25/2008	08:55:35	0.079
3720	09/25/2008	08:55:36	0.077
3721	09/25/2008	08:55:37	0.130
3722	09/25/2008	08:55:38	0.087
3723	09/25/2008	08:55:39	0.099
3724	09/25/2008	08:55:40	0.091
3725	09/25/2008	08:55:41	0.087
3726	09/25/2008	08:55:42	0.171
3727	09/25/2008	08:55:43	0.096
3728	09/25/2008	08:55:44	0.119

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
3729	09/25/2008	08:55:45	0.091
3730	09/25/2008	08:55:46	0.109
3731	09/25/2008	08:55:47	0.081
3732	09/25/2008	08:55:48	0.081
3733	09/25/2008	08:55:49	0.084
3734	09/25/2008	08:55:50	0.101
3735	09/25/2008	08:55:51	0.085
3736	09/25/2008	08:55:52	0.101
3737	09/25/2008	08:55:53	0.095
3738	09/25/2008	08:55:54	0.097
3739	09/25/2008	08:55:55	0.113
3740	09/25/2008	08:55:56	0.085
3741	09/25/2008	08:55:57	0.084
3742	09/25/2008	08:55:58	0.090
3743	09/25/2008	08:55:59	0.091
3744	09/25/2008	08:56:00	0.109
3745	09/25/2008	08:56:01	0.096
3746	09/25/2008	08:56:02	0.100
3747	09/25/2008	08:56:03	0.086
3748	09/25/2008	08:56:04	0.084
3749	09/25/2008	08:56:05	0.102
3750	09/25/2008	08:56:06	0.106
3751	09/25/2008	08:56:07	0.094
3752	09/25/2008	08:56:08	0.088
3753	09/25/2008	08:56:09	0.171
3754	09/25/2008	08:56:10	0.094
3755	09/25/2008	08:56:11	0.091
3756	09/25/2008	08:56:12	0.083
3757	09/25/2008	08:56:13	0.112
3758	09/25/2008	08:56:14	0.089
3759	09/25/2008	08:56:15	0.099
3760	09/25/2008	08:56:16	0.121
3761	09/25/2008	08:56:17	0.093
3762	09/25/2008	08:56:18	0.096
3763	09/25/2008	08:56:19	0.090
3764	09/25/2008	08:56:20	0.088
3765	09/25/2008	08:56:21	0.164
3766	09/25/2008	08:56:22	0.132
3767	09/25/2008	08:56:23	0.084
3768	09/25/2008	08:56:24	0.090
3769	09/25/2008	08:56:25	0.085
3770	09/25/2008	08:56:26	0.119
3771	09/25/2008	08:56:27	0.096
3772	09/25/2008	08:56:28	0.091
3773	09/25/2008	08:56:29	0.081
3774	09/25/2008	08:56:30	0.104
3775	09/25/2008	08:56:31	0.096
3776	09/25/2008	08:56:32	0.088
3777	09/25/2008	08:56:33	0.095
3778	09/25/2008	08:56:34	0.085
3779	09/25/2008	08:56:35	0.091
3780	09/25/2008	08:56:36	0.091
3781	09/25/2008	08:56:37	0.081
3782	09/25/2008	08:56:38	0.083
3783	09/25/2008	08:56:39	0.091

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
3784	09/25/2008	08:56:40	0.098
3785	09/25/2008	08:56:41	0.101
3786	09/25/2008	08:56:42	0.089
3787	09/25/2008	08:56:43	0.092
3788	09/25/2008	08:56:44	0.081
3789	09/25/2008	08:56:45	0.104
3790	09/25/2008	08:56:46	0.086
3791	09/25/2008	08:56:47	0.088
3792	09/25/2008	08:56:48	0.095
3793	09/25/2008	08:56:49	0.087
3794	09/25/2008	08:56:50	0.160
3795	09/25/2008	08:56:51	0.086
3796	09/25/2008	08:56:52	0.114
3797	09/25/2008	08:56:53	0.112
3798	09/25/2008	08:56:54	0.096
3799	09/25/2008	08:56:55	0.104
3800	09/25/2008	08:56:56	0.086
3801	09/25/2008	08:56:57	0.100
3802	09/25/2008	08:56:58	0.089
3803	09/25/2008	08:56:59	0.108
3804	09/25/2008	08:57:00	0.088
3805	09/25/2008	08:57:01	0.090
3806	09/25/2008	08:57:02	0.087
3807	09/25/2008	08:57:03	0.089
3808	09/25/2008	08:57:04	0.084
3809	09/25/2008	08:57:05	0.086
3810	09/25/2008	08:57:06	0.114
3811	09/25/2008	08:57:07	0.085
3812	09/25/2008	08:57:08	0.105
3813	09/25/2008	08:57:09	0.127
3814	09/25/2008	08:57:10	0.096
3815	09/25/2008	08:57:11	0.101
3816	09/25/2008	08:57:12	0.090
3817	09/25/2008	08:57:13	0.117
3818	09/25/2008	08:57:14	0.088
3819	09/25/2008	08:57:15	0.095
3820	09/25/2008	08:57:16	0.098
3821	09/25/2008	08:57:17	0.091
3822	09/25/2008	08:57:18	0.092
3823	09/25/2008	08:57:19	0.102
3824	09/25/2008	08:57:20	0.102
3825	09/25/2008	08:57:21	0.088
3826	09/25/2008	08:57:22	0.104
3827	09/25/2008	08:57:23	0.105
3828	09/25/2008	08:57:24	0.139
3829	09/25/2008	08:57:25	0.092
3830	09/25/2008	08:57:26	0.084
3831	09/25/2008	08:57:27	0.100
3832	09/25/2008	08:57:28	0.092
3833	09/25/2008	08:57:29	0.094
3834	09/25/2008	08:57:30	0.093
3835	09/25/2008	08:57:31	0.107
3836	09/25/2008	08:57:32	0.107
3837	09/25/2008	08:57:33	0.085
3838	09/25/2008	08:57:34	0.100



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
3839	09/25/2008	08:57:35	0.092
3840	09/25/2008	08:57:36	0.104
3841	09/25/2008	08:57:37	0.098
3842	09/25/2008	08:57:38	0.228
3843	09/25/2008	08:57:39	0.096
3844	09/25/2008	08:57:40	0.108
3845	09/25/2008	08:57:41	0.097
3846	09/25/2008	08:57:42	0.079
3847	09/25/2008	08:57:43	0.108
3848	09/25/2008	08:57:44	0.093
3849	09/25/2008	08:57:45	0.107
3850	09/25/2008	08:57:46	0.089
3851	09/25/2008	08:57:47	0.088
3852	09/25/2008	08:57:48	0.086
3853	09/25/2008	08:57:49	0.120
3854	09/25/2008	08:57:50	0.082
3855	09/25/2008	08:57:51	0.109
3856	09/25/2008	08:57:52	0.091
3857	09/25/2008	08:57:53	0.089
3858	09/25/2008	08:57:54	0.089
3859	09/25/2008	08:57:55	0.090
3860	09/25/2008	08:57:56	0.087
3861	09/25/2008	08:57:57	0.084
3862	09/25/2008	08:57:58	0.089
3863	09/25/2008	08:57:59	0.092
3864	09/25/2008	08:58:00	0.093
3865	09/25/2008	08:58:01	0.093
3866	09/25/2008	08:58:02	0.098
3867	09/25/2008	08:58:03	0.126
3868	09/25/2008	08:58:04	0.085
3869	09/25/2008	08:58:05	0.094
3870	09/25/2008	08:58:06	0.103
3871	09/25/2008	08:58:07	0.087
3872	09/25/2008	08:58:08	0.113
3873	09/25/2008	08:58:09	0.106
3874	09/25/2008	08:58:10	0.089
3875	09/25/2008	08:58:11	0.089
3876	09/25/2008	08:58:12	0.090
3877	09/25/2008	08:58:13	0.092
3878	09/25/2008	08:58:14	0.083
3879	09/25/2008	08:58:15	0.092
3880	09/25/2008	08:58:16	0.098
3881	09/25/2008	08:58:17	0.124
3882	09/25/2008	08:58:18	0.084
3883	09/25/2008	08:58:19	0.087
3884	09/25/2008	08:58:20	0.092
3885	09/25/2008	08:58:21	0.086
3886	09/25/2008	08:58:22	0.084
3887	09/25/2008	08:58:23	0.092
3888	09/25/2008	08:58:24	0.086
3889	09/25/2008	08:58:25	0.097
3890	09/25/2008	08:58:26	0.090
3891	09/25/2008	08:58:27	0.097
3892	09/25/2008	08:58:28	0.084
3893	09/25/2008	08:58:29	0.088

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
3894	09/25/2008	08:58:30	0.091
3895	09/25/2008	08:58:31	0.088
3896	09/25/2008	08:58:32	0.081
3897	09/25/2008	08:58:33	0.102
3898	09/25/2008	08:58:34	0.095
3899	09/25/2008	08:58:35	0.094
3900	09/25/2008	08:58:36	0.101
3901	09/25/2008	08:58:37	0.105
3902	09/25/2008	08:58:38	0.086
3903	09/25/2008	08:58:39	0.090
3904	09/25/2008	08:58:40	0.086
3905	09/25/2008	08:58:41	0.098
3906	09/25/2008	08:58:42	0.125
3907	09/25/2008	08:58:43	0.091
3908	09/25/2008	08:58:44	0.084
3909	09/25/2008	08:58:45	0.101
3910	09/25/2008	08:58:46	0.094
3911	09/25/2008	08:58:47	0.089
3912	09/25/2008	08:58:48	0.090
3913	09/25/2008	08:58:49	0.125
3914	09/25/2008	08:58:50	0.096
3915	09/25/2008	08:58:51	0.084
3916	09/25/2008	08:58:52	0.084
3917	09/25/2008	08:58:53	0.106
3918	09/25/2008	08:58:54	0.101
3919	09/25/2008	08:58:55	0.112
3920	09/25/2008	08:58:56	0.106
3921	09/25/2008	08:58:57	0.091
3922	09/25/2008	08:58:58	0.101
3923	09/25/2008	08:58:59	0.106
3924	09/25/2008	08:59:00	0.095
3925	09/25/2008	08:59:01	0.087
3926	09/25/2008	08:59:02	0.086
3927	09/25/2008	08:59:03	0.098
3928	09/25/2008	08:59:04	0.084
3929	09/25/2008	08:59:05	0.089
3930	09/25/2008	08:59:06	0.093
3931	09/25/2008	08:59:07	0.092
3932	09/25/2008	08:59:08	0.106
3933	09/25/2008	08:59:09	0.086
3934	09/25/2008	08:59:10	0.089
3935	09/25/2008	08:59:11	0.088
3936	09/25/2008	08:59:12	0.145
3937	09/25/2008	08:59:13	0.107
3938	09/25/2008	08:59:14	0.084
3939	09/25/2008	08:59:15	0.085
3940	09/25/2008	08:59:16	0.087
3941	09/25/2008	08:59:17	0.085
3942	09/25/2008	08:59:18	0.082
3943	09/25/2008	08:59:19	0.111
3944	09/25/2008	08:59:20	0.162
3945	09/25/2008	08:59:21	0.087
3946	09/25/2008	08:59:22	0.101
3947	09/25/2008	08:59:23	0.093
3948	09/25/2008	08:59:24	0.112

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
3949	09/25/2008	08:59:25	0.083
3950	09/25/2008	08:59:26	0.097
3951	09/25/2008	08:59:27	0.082
3952	09/25/2008	08:59:28	0.091
3953	09/25/2008	08:59:29	0.097
3954	09/25/2008	08:59:30	0.083
3955	09/25/2008	08:59:31	0.089
3956	09/25/2008	08:59:32	0.101
3957	09/25/2008	08:59:33	0.087
3958	09/25/2008	08:59:34	0.093
3959	09/25/2008	08:59:35	0.089
3960	09/25/2008	08:59:36	0.096
3961	09/25/2008	08:59:37	0.086
3962	09/25/2008	08:59:38	0.119
3963	09/25/2008	08:59:39	0.088
3964	09/25/2008	08:59:40	0.088
3965	09/25/2008	08:59:41	0.092
3966	09/25/2008	08:59:42	0.116
3967	09/25/2008	08:59:43	0.093
3968	09/25/2008	08:59:44	0.102
3969	09/25/2008	08:59:45	0.086
3970	09/25/2008	08:59:46	0.114
3971	09/25/2008	08:59:47	0.088
3972	09/25/2008	08:59:48	0.100
3973	09/25/2008	08:59:49	0.115
3974	09/25/2008	08:59:50	0.091
3975	09/25/2008	08:59:51	0.087
3976	09/25/2008	08:59:52	0.088
3977	09/25/2008	08:59:53	0.083
3978	09/25/2008	08:59:54	0.089
3979	09/25/2008	08:59:55	0.095
3980	09/25/2008	08:59:56	0.085
3981	09/25/2008	08:59:57	0.111
3982	09/25/2008	08:59:58	0.098
3983	09/25/2008	08:59:59	0.092
3984	09/25/2008	09:00:00	0.132
3985	09/25/2008	09:00:01	0.177
3986	09/25/2008	09:00:02	0.088
3987	09/25/2008	09:00:03	0.100
3988	09/25/2008	09:00:04	0.090
3989	09/25/2008	09:00:05	0.081
3990	09/25/2008	09:00:06	0.109
3991	09/25/2008	09:00:07	0.086
3992	09/25/2008	09:00:08	0.102
3993	09/25/2008	09:00:09	0.096
3994	09/25/2008	09:00:10	0.158
3995	09/25/2008	09:00:11	0.157
3996	09/25/2008	09:00:12	0.195
3997	09/25/2008	09:00:13	0.103
3998	09/25/2008	09:00:14	0.119
3999	09/25/2008	09:00:15	0.093
4000	09/25/2008	09:00:16	0.092
4001	09/25/2008	09:00:17	0.150
4002	09/25/2008	09:00:18	0.090
4003	09/25/2008	09:00:19	0.082

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
4004	09/25/2008	09:00:20	0.107
4005	09/25/2008	09:00:21	0.080
4006	09/25/2008	09:00:22	0.088
4007	09/25/2008	09:00:23	0.095
4008	09/25/2008	09:00:24	0.090
4009	09/25/2008	09:00:25	0.098
4010	09/25/2008	09:00:26	0.102
4011	09/25/2008	09:00:27	0.111
4012	09/25/2008	09:00:28	0.104
4013	09/25/2008	09:00:29	0.135
4014	09/25/2008	09:00:30	0.092
4015	09/25/2008	09:00:31	0.107
4016	09/25/2008	09:00:32	0.088
4017	09/25/2008	09:00:33	0.109
4018	09/25/2008	09:00:34	0.166
4019	09/25/2008	09:00:35	0.122
4020	09/25/2008	09:00:36	0.096
4021	09/25/2008	09:00:37	0.100
4022	09/25/2008	09:00:38	0.087
4023	09/25/2008	09:00:39	0.087
4024	09/25/2008	09:00:40	0.093
4025	09/25/2008	09:00:41	0.090
4026	09/25/2008	09:00:42	0.088
4027	09/25/2008	09:00:43	0.090
4028	09/25/2008	09:00:44	0.083
4029	09/25/2008	09:00:45	0.091
4030	09/25/2008	09:00:46	0.104
4031	09/25/2008	09:00:47	0.104
4032	09/25/2008	09:00:48	0.092
4033	09/25/2008	09:00:49	0.096
4034	09/25/2008	09:00:50	0.103
4035	09/25/2008	09:00:51	0.085
4036	09/25/2008	09:00:52	0.096
4037	09/25/2008	09:00:53	0.091
4038	09/25/2008	09:00:54	0.088
4039	09/25/2008	09:00:55	0.094
4040	09/25/2008	09:00:56	0.094
4041	09/25/2008	09:00:57	0.095
4042	09/25/2008	09:00:58	0.099
4043	09/25/2008	09:00:59	0.082
4044	09/25/2008	09:01:00	0.142
4045	09/25/2008	09:01:01	0.094
4046	09/25/2008	09:01:02	0.089
4047	09/25/2008	09:01:03	0.098
4048	09/25/2008	09:01:04	0.101
4049	09/25/2008	09:01:05	0.103
4050	09/25/2008	09:01:06	0.094
4051	09/25/2008	09:01:07	0.100
4052	09/25/2008	09:01:08	0.120
4053	09/25/2008	09:01:09	0.099
4054	09/25/2008	09:01:10	0.087
4055	09/25/2008	09:01:11	0.097
4056	09/25/2008	09:01:12	0.081
4057	09/25/2008	09:01:13	0.116
4058	09/25/2008	09:01:14	0.122

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
4059	09/25/2008	09:01:15	0.087
4060	09/25/2008	09:01:16	0.117
4061	09/25/2008	09:01:17	0.094
4062	09/25/2008	09:01:18	0.084
4063	09/25/2008	09:01:19	0.107
4064	09/25/2008	09:01:20	0.099
4065	09/25/2008	09:01:21	0.091
4066	09/25/2008	09:01:22	0.089
4067	09/25/2008	09:01:23	0.105
4068	09/25/2008	09:01:24	0.111
4069	09/25/2008	09:01:25	0.090
4070	09/25/2008	09:01:26	0.149
4071	09/25/2008	09:01:27	0.089
4072	09/25/2008	09:01:28	0.094
4073	09/25/2008	09:01:29	0.100
4074	09/25/2008	09:01:30	0.089
4075	09/25/2008	09:01:31	0.090
4076	09/25/2008	09:01:32	0.095
4077	09/25/2008	09:01:33	0.086
4078	09/25/2008	09:01:34	0.102
4079	09/25/2008	09:01:35	0.087
4080	09/25/2008	09:01:36	0.142
4081	09/25/2008	09:01:37	0.102
4082	09/25/2008	09:01:38	0.098
4083	09/25/2008	09:01:39	0.092
4084	09/25/2008	09:01:40	0.096
4085	09/25/2008	09:01:41	0.094
4086	09/25/2008	09:01:42	0.090
4087	09/25/2008	09:01:43	0.086
4088	09/25/2008	09:01:44	0.086
4089	09/25/2008	09:01:45	0.090
4090	09/25/2008	09:01:46	0.091
4091	09/25/2008	09:01:47	0.160
4092	09/25/2008	09:01:48	0.098
4093	09/25/2008	09:01:49	0.107
4094	09/25/2008	09:01:50	0.091
4095	09/25/2008	09:01:51	0.089
4096	09/25/2008	09:01:52	0.092
4097	09/25/2008	09:01:53	0.097
4098	09/25/2008	09:01:54	0.123
4099	09/25/2008	09:01:55	0.092
4100	09/25/2008	09:01:56	0.092
4101	09/25/2008	09:01:57	0.093
4102	09/25/2008	09:01:58	0.092
4103	09/25/2008	09:01:59	0.084
4104	09/25/2008	09:02:00	0.088
4105	09/25/2008	09:02:01	0.084
4106	09/25/2008	09:02:02	0.096
4107	09/25/2008	09:02:03	0.094
4108	09/25/2008	09:02:04	0.123
4109	09/25/2008	09:02:05	0.113
4110	09/25/2008	09:02:06	0.093
4111	09/25/2008	09:02:07	0.080
4112	09/25/2008	09:02:08	0.090
4113	09/25/2008	09:02:09	0.085

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
4114	09/25/2008	09:02:10	0.085
4115	09/25/2008	09:02:11	0.140
4116	09/25/2008	09:02:12	0.092
4117	09/25/2008	09:02:13	0.109
4118	09/25/2008	09:02:14	0.088
4119	09/25/2008	09:02:15	0.089
4120	09/25/2008	09:02:16	0.087
4121	09/25/2008	09:02:17	0.115
4122	09/25/2008	09:02:18	0.091
4123	09/25/2008	09:02:19	0.086
4124	09/25/2008	09:02:20	0.103
4125	09/25/2008	09:02:21	0.096
4126	09/25/2008	09:02:22	0.098
4127	09/25/2008	09:02:23	0.154
4128	09/25/2008	09:02:24	0.103
4129	09/25/2008	09:02:25	0.096
4130	09/25/2008	09:02:26	0.089
4131	09/25/2008	09:02:27	0.084
4132	09/25/2008	09:02:28	0.086
4133	09/25/2008	09:02:29	0.080
4134	09/25/2008	09:02:30	0.092
4135	09/25/2008	09:02:31	0.087
4136	09/25/2008	09:02:32	0.092
4137	09/25/2008	09:02:33	0.085
4138	09/25/2008	09:02:34	0.090
4139	09/25/2008	09:02:35	0.084
4140	09/25/2008	09:02:36	0.088
4141	09/25/2008	09:02:37	0.087
4142	09/25/2008	09:02:38	0.093
4143	09/25/2008	09:02:39	0.105
4144	09/25/2008	09:02:40	0.107
4145	09/25/2008	09:02:41	0.089
4146	09/25/2008	09:02:42	0.087
4147	09/25/2008	09:02:43	0.095
4148	09/25/2008	09:02:44	0.085
4149	09/25/2008	09:02:45	0.091
4150	09/25/2008	09:02:46	0.100
4151	09/25/2008	09:02:47	0.089
4152	09/25/2008	09:02:48	0.095
4153	09/25/2008	09:02:49	0.086
4154	09/25/2008	09:02:50	0.093
4155	09/25/2008	09:02:51	0.084
4156	09/25/2008	09:02:52	0.093
4157	09/25/2008	09:02:53	0.084
4158	09/25/2008	09:02:54	0.094
4159	09/25/2008	09:02:55	0.119
4160	09/25/2008	09:02:56	0.088
4161	09/25/2008	09:02:57	0.086
4162	09/25/2008	09:02:58	0.087
4163	09/25/2008	09:02:59	0.090
4164	09/25/2008	09:03:00	0.089
4165	09/25/2008	09:03:01	0.087
4166	09/25/2008	09:03:02	0.212
4167	09/25/2008	09:03:03	0.087
4168	09/25/2008	09:03:04	0.146

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
4169	09/25/2008	09:03:05	0.099
4170	09/25/2008	09:03:06	0.089
4171	09/25/2008	09:03:07	0.091
4172	09/25/2008	09:03:08	0.086
4173	09/25/2008	09:03:09	0.100
4174	09/25/2008	09:03:10	0.085
4175	09/25/2008	09:03:11	0.099
4176	09/25/2008	09:03:12	0.090
4177	09/25/2008	09:03:13	0.096
4178	09/25/2008	09:03:14	0.096
4179	09/25/2008	09:03:15	0.099
4180	09/25/2008	09:03:16	0.096
4181	09/25/2008	09:03:17	0.091
4182	09/25/2008	09:03:18	0.108
4183	09/25/2008	09:03:19	0.093
4184	09/25/2008	09:03:20	0.094
4185	09/25/2008	09:03:21	0.089
4186	09/25/2008	09:03:22	0.105
4187	09/25/2008	09:03:23	0.089
4188	09/25/2008	09:03:24	0.088
4189	09/25/2008	09:03:25	0.085
4190	09/25/2008	09:03:26	0.105
4191	09/25/2008	09:03:27	0.109
4192	09/25/2008	09:03:28	0.096
4193	09/25/2008	09:03:29	0.090
4194	09/25/2008	09:03:30	0.092
4195	09/25/2008	09:03:31	0.116
4196	09/25/2008	09:03:32	0.100
4197	09/25/2008	09:03:33	0.095
4198	09/25/2008	09:03:34	0.126
4199	09/25/2008	09:03:35	0.089
4200	09/25/2008	09:03:36	0.090
4201	09/25/2008	09:03:37	0.089
4202	09/25/2008	09:03:38	0.112
4203	09/25/2008	09:03:39	0.095
4204	09/25/2008	09:03:40	0.115
4205	09/25/2008	09:03:41	0.090
4206	09/25/2008	09:03:42	0.110
4207	09/25/2008	09:03:43	0.091
4208	09/25/2008	09:03:44	0.129
4209	09/25/2008	09:03:45	0.084
4210	09/25/2008	09:03:46	0.103
4211	09/25/2008	09:03:47	0.083
4212	09/25/2008	09:03:48	0.096
4213	09/25/2008	09:03:49	0.085
4214	09/25/2008	09:03:50	0.082
4215	09/25/2008	09:03:51	0.085
4216	09/25/2008	09:03:52	0.093
4217	09/25/2008	09:03:53	0.117
4218	09/25/2008	09:03:54	0.086
4219	09/25/2008	09:03:55	0.090
4220	09/25/2008	09:03:56	0.094
4221	09/25/2008	09:03:57	0.088
4222	09/25/2008	09:03:58	0.085
4223	09/25/2008	09:03:59	0.092

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
4224	09/25/2008	09:04:00	0.085
4225	09/25/2008	09:04:01	0.097
4226	09/25/2008	09:04:02	0.094
4227	09/25/2008	09:04:03	0.127
4228	09/25/2008	09:04:04	0.084
4229	09/25/2008	09:04:05	0.123
4230	09/25/2008	09:04:06	0.102
4231	09/25/2008	09:04:07	0.097
4232	09/25/2008	09:04:08	0.091
4233	09/25/2008	09:04:09	0.089
4234	09/25/2008	09:04:10	0.081
4235	09/25/2008	09:04:11	0.081
4236	09/25/2008	09:04:12	0.087
4237	09/25/2008	09:04:13	0.095
4238	09/25/2008	09:04:14	0.087
4239	09/25/2008	09:04:15	0.087
4240	09/25/2008	09:04:16	0.086
4241	09/25/2008	09:04:17	0.116
4242	09/25/2008	09:04:18	0.080
4243	09/25/2008	09:04:19	0.085
4244	09/25/2008	09:04:20	0.096
4245	09/25/2008	09:04:21	0.093
4246	09/25/2008	09:04:22	0.094
4247	09/25/2008	09:04:23	0.090
4248	09/25/2008	09:04:24	0.082
4249	09/25/2008	09:04:25	0.086
4250	09/25/2008	09:04:26	0.096
4251	09/25/2008	09:04:27	0.082
4252	09/25/2008	09:04:28	0.126
4253	09/25/2008	09:04:29	0.100
4254	09/25/2008	09:04:30	0.091
4255	09/25/2008	09:04:31	0.092
4256	09/25/2008	09:04:32	0.091
4257	09/25/2008	09:04:33	0.093
4258	09/25/2008	09:04:34	0.098
4259	09/25/2008	09:04:35	0.111
4260	09/25/2008	09:04:36	0.094
4261	09/25/2008	09:04:37	0.090
4262	09/25/2008	09:04:38	0.103
4263	09/25/2008	09:04:39	0.095
4264	09/25/2008	09:04:40	0.084
4265	09/25/2008	09:04:41	0.100
4266	09/25/2008	09:04:42	0.100
4267	09/25/2008	09:04:43	0.084
4268	09/25/2008	09:04:44	0.089
4269	09/25/2008	09:04:45	0.117
4270	09/25/2008	09:04:46	0.109
4271	09/25/2008	09:04:47	0.090
4272	09/25/2008	09:04:48	0.096
4273	09/25/2008	09:04:49	0.086
4274	09/25/2008	09:04:50	0.094
4275	09/25/2008	09:04:51	0.088
4276	09/25/2008	09:04:52	0.084
4277	09/25/2008	09:04:53	0.105
4278	09/25/2008	09:04:54	0.119



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
4279	09/25/2008	09:04:55	0.112
4280	09/25/2008	09:04:56	0.087
4281	09/25/2008	09:04:57	0.096
4282	09/25/2008	09:04:58	0.088
4283	09/25/2008	09:04:59	0.121
4284	09/25/2008	09:05:00	0.091
4285	09/25/2008	09:05:01	0.093
4286	09/25/2008	09:05:02	0.081
4287	09/25/2008	09:05:03	0.093
4288	09/25/2008	09:05:04	0.098
4289	09/25/2008	09:05:05	0.079
4290	09/25/2008	09:05:06	0.089
4291	09/25/2008	09:05:07	0.084
4292	09/25/2008	09:05:08	0.080
4293	09/25/2008	09:05:09	0.083
4294	09/25/2008	09:05:10	0.103
4295	09/25/2008	09:05:11	0.087
4296	09/25/2008	09:05:12	0.096
4297	09/25/2008	09:05:13	0.099
4298	09/25/2008	09:05:14	0.089
4299	09/25/2008	09:05:15	0.085
4300	09/25/2008	09:05:16	0.086
4301	09/25/2008	09:05:17	0.100
4302	09/25/2008	09:05:18	0.093
4303	09/25/2008	09:05:19	0.095
4304	09/25/2008	09:05:20	0.088
4305	09/25/2008	09:05:21	0.114
4306	09/25/2008	09:05:22	0.088
4307	09/25/2008	09:05:23	0.096
4308	09/25/2008	09:05:24	0.265
4309	09/25/2008	09:05:25	0.090
4310	09/25/2008	09:05:26	0.094
4311	09/25/2008	09:05:27	0.090
4312	09/25/2008	09:05:28	0.098
4313	09/25/2008	09:05:29	0.083
4314	09/25/2008	09:05:30	0.085
4315	09/25/2008	09:05:31	0.086
4316	09/25/2008	09:05:32	0.131
4317	09/25/2008	09:05:33	0.146
4318	09/25/2008	09:05:34	0.093
4319	09/25/2008	09:05:35	0.084
4320	09/25/2008	09:05:36	0.082
4321	09/25/2008	09:05:37	0.119
4322	09/25/2008	09:05:38	0.087
4323	09/25/2008	09:05:39	0.096
4324	09/25/2008	09:05:40	0.099
4325	09/25/2008	09:05:41	0.087
4326	09/25/2008	09:05:42	0.098
4327	09/25/2008	09:05:43	0.080
4328	09/25/2008	09:05:44	0.083
4329	09/25/2008	09:05:45	0.092
4330	09/25/2008	09:05:46	0.080
4331	09/25/2008	09:05:47	0.081
4332	09/25/2008	09:05:48	0.088
4333	09/25/2008	09:05:49	0.100

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
4334	09/25/2008	09:05:50	0.088
4335	09/25/2008	09:05:51	0.085
4336	09/25/2008	09:05:52	0.090
4337	09/25/2008	09:05:53	0.086
4338	09/25/2008	09:05:54	0.092
4339	09/25/2008	09:05:55	0.094
4340	09/25/2008	09:05:56	0.110
4341	09/25/2008	09:05:57	0.081
4342	09/25/2008	09:05:58	0.089
4343	09/25/2008	09:05:59	0.094
4344	09/25/2008	09:06:00	0.095
4345	09/25/2008	09:06:01	0.078
4346	09/25/2008	09:06:02	0.103
4347	09/25/2008	09:06:03	0.095
4348	09/25/2008	09:06:04	0.099
4349	09/25/2008	09:06:05	0.090
4350	09/25/2008	09:06:06	0.088
4351	09/25/2008	09:06:07	0.088
4352	09/25/2008	09:06:08	0.082
4353	09/25/2008	09:06:09	0.109
4354	09/25/2008	09:06:10	0.092
4355	09/25/2008	09:06:11	0.085
4356	09/25/2008	09:06:12	0.091
4357	09/25/2008	09:06:13	0.089
4358	09/25/2008	09:06:14	0.101
4359	09/25/2008	09:06:15	0.082
4360	09/25/2008	09:06:16	0.088
4361	09/25/2008	09:06:17	0.084
4362	09/25/2008	09:06:18	0.091
4363	09/25/2008	09:06:19	0.112
4364	09/25/2008	09:06:20	0.080
4365	09/25/2008	09:06:21	0.094
4366	09/25/2008	09:06:22	0.084
4367	09/25/2008	09:06:23	0.080
4368	09/25/2008	09:06:24	0.089
4369	09/25/2008	09:06:25	0.093
4370	09/25/2008	09:06:26	0.080
4371	09/25/2008	09:06:27	0.085
4372	09/25/2008	09:06:28	0.087
4373	09/25/2008	09:06:29	0.092
4374	09/25/2008	09:06:30	0.080
4375	09/25/2008	09:06:31	0.087
4376	09/25/2008	09:06:32	0.102
4377	09/25/2008	09:06:33	0.077
4378	09/25/2008	09:06:34	0.085
4379	09/25/2008	09:06:35	0.086
4380	09/25/2008	09:06:36	0.092
4381	09/25/2008	09:06:37	0.096
4382	09/25/2008	09:06:38	0.095
4383	09/25/2008	09:06:39	0.106
4384	09/25/2008	09:06:40	0.081
4385	09/25/2008	09:06:41	0.098
4386	09/25/2008	09:06:42	0.102
4387	09/25/2008	09:06:43	0.083
4388	09/25/2008	09:06:44	0.087

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
4389	09/25/2008	09:06:45	0.108
4390	09/25/2008	09:06:46	0.109
4391	09/25/2008	09:06:47	0.096
4392	09/25/2008	09:06:48	0.109
4393	09/25/2008	09:06:49	0.093
4394	09/25/2008	09:06:50	0.108
4395	09/25/2008	09:06:51	0.133
4396	09/25/2008	09:06:52	0.085
4397	09/25/2008	09:06:53	0.087
4398	09/25/2008	09:06:54	0.097
4399	09/25/2008	09:06:55	0.088
4400	09/25/2008	09:06:56	0.103
4401	09/25/2008	09:06:57	0.099
4402	09/25/2008	09:06:58	0.092
4403	09/25/2008	09:06:59	0.100
4404	09/25/2008	09:07:00	0.095
4405	09/25/2008	09:07:01	0.087
4406	09/25/2008	09:07:02	0.083
4407	09/25/2008	09:07:03	0.083
4408	09/25/2008	09:07:04	0.089
4409	09/25/2008	09:07:05	0.092
4410	09/25/2008	09:07:06	0.123
4411	09/25/2008	09:07:07	0.104
4412	09/25/2008	09:07:08	0.100
4413	09/25/2008	09:07:09	0.102
4414	09/25/2008	09:07:10	0.085
4415	09/25/2008	09:07:11	0.090
4416	09/25/2008	09:07:12	0.083
4417	09/25/2008	09:07:13	0.086
4418	09/25/2008	09:07:14	0.085
4419	09/25/2008	09:07:15	0.096
4420	09/25/2008	09:07:16	0.104
4421	09/25/2008	09:07:17	0.090
4422	09/25/2008	09:07:18	0.081
4423	09/25/2008	09:07:19	0.081
4424	09/25/2008	09:07:20	0.091
4425	09/25/2008	09:07:21	0.085
4426	09/25/2008	09:07:22	0.104
4427	09/25/2008	09:07:23	0.094
4428	09/25/2008	09:07:24	0.083
4429	09/25/2008	09:07:25	0.081
4430	09/25/2008	09:07:26	0.084
4431	09/25/2008	09:07:27	0.097
4432	09/25/2008	09:07:28	0.086
4433	09/25/2008	09:07:29	0.090
4434	09/25/2008	09:07:30	0.083
4435	09/25/2008	09:07:31	0.100
4436	09/25/2008	09:07:32	0.097
4437	09/25/2008	09:07:33	0.091
4438	09/25/2008	09:07:34	0.084
4439	09/25/2008	09:07:35	0.091
4440	09/25/2008	09:07:36	0.087
4441	09/25/2008	09:07:37	0.079
4442	09/25/2008	09:07:38	0.132
4443	09/25/2008	09:07:39	0.102

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
4444	09/25/2008	09:07:40	0.101
4445	09/25/2008	09:07:41	0.084
4446	09/25/2008	09:07:42	0.100
4447	09/25/2008	09:07:43	0.089
4448	09/25/2008	09:07:44	0.085
4449	09/25/2008	09:07:45	0.084
4450	09/25/2008	09:07:46	0.080
4451	09/25/2008	09:07:47	0.094
4452	09/25/2008	09:07:48	0.087
4453	09/25/2008	09:07:49	0.090
4454	09/25/2008	09:07:50	0.098
4455	09/25/2008	09:07:51	0.098
4456	09/25/2008	09:07:52	0.097
4457	09/25/2008	09:07:53	0.082
4458	09/25/2008	09:07:54	0.090
4459	09/25/2008	09:07:55	0.108
4460	09/25/2008	09:07:56	0.092
4461	09/25/2008	09:07:57	0.086
4462	09/25/2008	09:07:58	0.080
4463	09/25/2008	09:07:59	0.091
4464	09/25/2008	09:08:00	0.095
4465	09/25/2008	09:08:01	0.083
4466	09/25/2008	09:08:02	0.087
4467	09/25/2008	09:08:03	0.087
4468	09/25/2008	09:08:04	0.087
4469	09/25/2008	09:08:05	0.102
4470	09/25/2008	09:08:06	0.081
4471	09/25/2008	09:08:07	0.115
4472	09/25/2008	09:08:08	0.085
4473	09/25/2008	09:08:09	0.104
4474	09/25/2008	09:08:10	0.091
4475	09/25/2008	09:08:11	0.107
4476	09/25/2008	09:08:12	0.090
4477	09/25/2008	09:08:13	0.083
4478	09/25/2008	09:08:14	0.084
4479	09/25/2008	09:08:15	0.090
4480	09/25/2008	09:08:16	0.106
4481	09/25/2008	09:08:17	0.088
4482	09/25/2008	09:08:18	0.102
4483	09/25/2008	09:08:19	0.088
4484	09/25/2008	09:08:20	0.096
4485	09/25/2008	09:08:21	0.090
4486	09/25/2008	09:08:22	0.089
4487	09/25/2008	09:08:23	0.087
4488	09/25/2008	09:08:24	0.116
4489	09/25/2008	09:08:25	0.098
4490	09/25/2008	09:08:26	0.131
4491	09/25/2008	09:08:27	0.125
4492	09/25/2008	09:08:28	0.093
4493	09/25/2008	09:08:29	0.082
4494	09/25/2008	09:08:30	0.095
4495	09/25/2008	09:08:31	0.092
4496	09/25/2008	09:08:32	0.086
4497	09/25/2008	09:08:33	0.082
4498	09/25/2008	09:08:34	0.097

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
4499	09/25/2008	09:08:35	0.091
4500	09/25/2008	09:08:36	0.090
4501	09/25/2008	09:08:37	0.099
4502	09/25/2008	09:08:38	0.088
4503	09/25/2008	09:08:39	0.103
4504	09/25/2008	09:08:40	0.095
4505	09/25/2008	09:08:41	0.184
4506	09/25/2008	09:08:42	0.083
4507	09/25/2008	09:08:43	0.085
4508	09/25/2008	09:08:44	0.087
4509	09/25/2008	09:08:45	0.087
4510	09/25/2008	09:08:46	0.081
4511	09/25/2008	09:08:47	0.095
4512	09/25/2008	09:08:48	0.085
4513	09/25/2008	09:08:49	0.086
4514	09/25/2008	09:08:50	0.091
4515	09/25/2008	09:08:51	0.082
4516	09/25/2008	09:08:52	0.085
4517	09/25/2008	09:08:53	0.080
4518	09/25/2008	09:08:54	0.082
4519	09/25/2008	09:08:55	0.109
4520	09/25/2008	09:08:56	0.079
4521	09/25/2008	09:08:57	0.088
4522	09/25/2008	09:08:58	0.091
4523	09/25/2008	09:08:59	0.116
4524	09/25/2008	09:09:00	0.092
4525	09/25/2008	09:09:01	0.091
4526	09/25/2008	09:09:02	0.095
4527	09/25/2008	09:09:03	0.087
4528	09/25/2008	09:09:04	0.082
4529	09/25/2008	09:09:05	0.083
4530	09/25/2008	09:09:06	0.083
4531	09/25/2008	09:09:07	0.093
4532	09/25/2008	09:09:08	0.103
4533	09/25/2008	09:09:09	0.086
4534	09/25/2008	09:09:10	0.086
4535	09/25/2008	09:09:11	0.087
4536	09/25/2008	09:09:12	0.085
4537	09/25/2008	09:09:13	0.085
4538	09/25/2008	09:09:14	0.084
4539	09/25/2008	09:09:15	0.082
4540	09/25/2008	09:09:16	0.084
4541	09/25/2008	09:09:17	0.081
4542	09/25/2008	09:09:18	0.087
4543	09/25/2008	09:09:19	0.113
4544	09/25/2008	09:09:20	0.107
4545	09/25/2008	09:09:21	0.088
4546	09/25/2008	09:09:22	0.085
4547	09/25/2008	09:09:23	0.088
4548	09/25/2008	09:09:24	0.091
4549	09/25/2008	09:09:25	0.085
4550	09/25/2008	09:09:26	0.090
4551	09/25/2008	09:09:27	0.092
4552	09/25/2008	09:09:28	0.097
4553	09/25/2008	09:09:29	0.089

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
4554	09/25/2008	09:09:30	0.094
4555	09/25/2008	09:09:31	0.084
4556	09/25/2008	09:09:32	0.097
4557	09/25/2008	09:09:33	0.106
4558	09/25/2008	09:09:34	0.083
4559	09/25/2008	09:09:35	0.076
4560	09/25/2008	09:09:36	0.101
4561	09/25/2008	09:09:37	0.081
4562	09/25/2008	09:09:38	0.084
4563	09/25/2008	09:09:39	0.083
4564	09/25/2008	09:09:40	0.079
4565	09/25/2008	09:09:41	0.125
4566	09/25/2008	09:09:42	0.135
4567	09/25/2008	09:09:43	0.086
4568	09/25/2008	09:09:44	0.086
4569	09/25/2008	09:09:45	0.081
4570	09/25/2008	09:09:46	0.090
4571	09/25/2008	09:09:47	0.087
4572	09/25/2008	09:09:48	0.095
4573	09/25/2008	09:09:49	0.090
4574	09/25/2008	09:09:50	0.081
4575	09/25/2008	09:09:51	0.086
4576	09/25/2008	09:09:52	0.080
4577	09/25/2008	09:09:53	0.086
4578	09/25/2008	09:09:54	0.075
4579	09/25/2008	09:09:55	0.095
4580	09/25/2008	09:09:56	0.086
4581	09/25/2008	09:09:57	0.096
4582	09/25/2008	09:09:58	0.082
4583	09/25/2008	09:09:59	0.084
4584	09/25/2008	09:10:00	0.089
4585	09/25/2008	09:10:01	0.087
4586	09/25/2008	09:10:02	0.103
4587	09/25/2008	09:10:03	0.082
4588	09/25/2008	09:10:04	0.094
4589	09/25/2008	09:10:05	0.089
4590	09/25/2008	09:10:06	0.091
4591	09/25/2008	09:10:07	0.095
4592	09/25/2008	09:10:08	0.085
4593	09/25/2008	09:10:09	0.086
4594	09/25/2008	09:10:10	0.089
4595	09/25/2008	09:10:11	0.080
4596	09/25/2008	09:10:12	0.083
4597	09/25/2008	09:10:13	0.081
4598	09/25/2008	09:10:14	0.077
4599	09/25/2008	09:10:15	0.081
4600	09/25/2008	09:10:16	0.099
4601	09/25/2008	09:10:17	0.091
4602	09/25/2008	09:10:18	0.087
4603	09/25/2008	09:10:19	0.086
4604	09/25/2008	09:10:20	0.101
4605	09/25/2008	09:10:21	0.095
4606	09/25/2008	09:10:22	0.085
4607	09/25/2008	09:10:23	0.087
4608	09/25/2008	09:10:24	0.082

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
4609	09/25/2008	09:10:25	0.090
4610	09/25/2008	09:10:26	0.102
4611	09/25/2008	09:10:27	0.091
4612	09/25/2008	09:10:28	0.089
4613	09/25/2008	09:10:29	0.085
4614	09/25/2008	09:10:30	0.118
4615	09/25/2008	09:10:31	0.083
4616	09/25/2008	09:10:32	0.091
4617	09/25/2008	09:10:33	0.085
4618	09/25/2008	09:10:34	0.090
4619	09/25/2008	09:10:35	0.083
4620	09/25/2008	09:10:36	0.094
4621	09/25/2008	09:10:37	0.089
4622	09/25/2008	09:10:38	0.084
4623	09/25/2008	09:10:39	0.087
4624	09/25/2008	09:10:40	0.098
4625	09/25/2008	09:10:41	0.084
4626	09/25/2008	09:10:42	0.095
4627	09/25/2008	09:10:43	0.085
4628	09/25/2008	09:10:44	0.094
4629	09/25/2008	09:10:45	0.092
4630	09/25/2008	09:10:46	0.117
4631	09/25/2008	09:10:47	0.086
4632	09/25/2008	09:10:48	0.095
4633	09/25/2008	09:10:49	0.083
4634	09/25/2008	09:10:50	0.086
4635	09/25/2008	09:10:51	0.107
4636	09/25/2008	09:10:52	0.110
4637	09/25/2008	09:10:53	0.078
4638	09/25/2008	09:10:54	0.081
4639	09/25/2008	09:10:55	0.085
4640	09/25/2008	09:10:56	0.081
4641	09/25/2008	09:10:57	0.085
4642	09/25/2008	09:10:58	0.086
4643	09/25/2008	09:10:59	0.090
4644	09/25/2008	09:11:00	0.087
4645	09/25/2008	09:11:01	0.098
4646	09/25/2008	09:11:02	0.096
4647	09/25/2008	09:11:03	0.099
4648	09/25/2008	09:11:04	0.082
4649	09/25/2008	09:11:05	0.087
4650	09/25/2008	09:11:06	0.080
4651	09/25/2008	09:11:07	0.082
4652	09/25/2008	09:11:08	0.092
4653	09/25/2008	09:11:09	0.085
4654	09/25/2008	09:11:10	0.079
4655	09/25/2008	09:11:11	0.091
4656	09/25/2008	09:11:12	0.079
4657	09/25/2008	09:11:13	0.081
4658	09/25/2008	09:11:14	0.081
4659	09/25/2008	09:11:15	0.087
4660	09/25/2008	09:11:16	0.080
4661	09/25/2008	09:11:17	0.096
4662	09/25/2008	09:11:18	0.079
4663	09/25/2008	09:11:19	0.084

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
4664	09/25/2008	09:11:20	0.138
4665	09/25/2008	09:11:21	0.157
4666	09/25/2008	09:11:22	0.209
4667	09/25/2008	09:11:23	0.130
4668	09/25/2008	09:11:24	0.112
4669	09/25/2008	09:11:25	0.082
4670	09/25/2008	09:11:26	0.091
4671	09/25/2008	09:11:27	0.099
4672	09/25/2008	09:11:28	0.099
4673	09/25/2008	09:11:29	0.097
4674	09/25/2008	09:11:30	0.094
4675	09/25/2008	09:11:31	0.113
4676	09/25/2008	09:11:32	0.089
4677	09/25/2008	09:11:33	0.086
4678	09/25/2008	09:11:34	0.089
4679	09/25/2008	09:11:35	0.094
4680	09/25/2008	09:11:36	0.093
4681	09/25/2008	09:11:37	0.089
4682	09/25/2008	09:11:38	0.111
4683	09/25/2008	09:11:39	0.089
4684	09/25/2008	09:11:40	0.085
4685	09/25/2008	09:11:41	0.086
4686	09/25/2008	09:11:42	0.084
4687	09/25/2008	09:11:43	0.087
4688	09/25/2008	09:11:44	0.092
4689	09/25/2008	09:11:45	0.084
4690	09/25/2008	09:11:46	0.083
4691	09/25/2008	09:11:47	0.081
4692	09/25/2008	09:11:48	0.087
4693	09/25/2008	09:11:49	0.091
4694	09/25/2008	09:11:50	0.094
4695	09/25/2008	09:11:51	0.086
4696	09/25/2008	09:11:52	0.092
4697	09/25/2008	09:11:53	0.118
4698	09/25/2008	09:11:54	0.083
4699	09/25/2008	09:11:55	0.083
4700	09/25/2008	09:11:56	0.079
4701	09/25/2008	09:11:57	0.095
4702	09/25/2008	09:11:58	0.093
4703	09/25/2008	09:11:59	0.076
4704	09/25/2008	09:12:00	0.085
4705	09/25/2008	09:12:01	0.100
4706	09/25/2008	09:12:02	0.089
4707	09/25/2008	09:12:03	0.078
4708	09/25/2008	09:12:04	0.084
4709	09/25/2008	09:12:05	0.095
4710	09/25/2008	09:12:06	0.078
4711	09/25/2008	09:12:07	0.084
4712	09/25/2008	09:12:08	0.088
4713	09/25/2008	09:12:09	0.105
4714	09/25/2008	09:12:10	0.091
4715	09/25/2008	09:12:11	0.093
4716	09/25/2008	09:12:12	0.096
4717	09/25/2008	09:12:13	0.091
4718	09/25/2008	09:12:14	0.088



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
4719	09/25/2008	09:12:15	0.086
4720	09/25/2008	09:12:16	0.092
4721	09/25/2008	09:12:17	0.078
4722	09/25/2008	09:12:18	0.144
4723	09/25/2008	09:12:19	0.083
4724	09/25/2008	09:12:20	0.082
4725	09/25/2008	09:12:21	0.080
4726	09/25/2008	09:12:22	0.107
4727	09/25/2008	09:12:23	0.092
4728	09/25/2008	09:12:24	0.104
4729	09/25/2008	09:12:25	0.079
4730	09/25/2008	09:12:26	0.114
4731	09/25/2008	09:12:27	0.078
4732	09/25/2008	09:12:28	0.079
4733	09/25/2008	09:12:29	0.083
4734	09/25/2008	09:12:30	0.103
4735	09/25/2008	09:12:31	0.081
4736	09/25/2008	09:12:32	0.083
4737	09/25/2008	09:12:33	0.088
4738	09/25/2008	09:12:34	0.084
4739	09/25/2008	09:12:35	0.102
4740	09/25/2008	09:12:36	0.088
4741	09/25/2008	09:12:37	0.178
4742	09/25/2008	09:12:38	0.091
4743	09/25/2008	09:12:39	0.084
4744	09/25/2008	09:12:40	0.080
4745	09/25/2008	09:12:41	0.091
4746	09/25/2008	09:12:42	0.086
4747	09/25/2008	09:12:43	0.092
4748	09/25/2008	09:12:44	0.077
4749	09/25/2008	09:12:45	0.135
4750	09/25/2008	09:12:46	0.081
4751	09/25/2008	09:12:47	0.085
4752	09/25/2008	09:12:48	0.080
4753	09/25/2008	09:12:49	0.076
4754	09/25/2008	09:12:50	0.081
4755	09/25/2008	09:12:51	0.090
4756	09/25/2008	09:12:52	0.089
4757	09/25/2008	09:12:53	0.083
4758	09/25/2008	09:12:54	0.110
4759	09/25/2008	09:12:55	0.165
4760	09/25/2008	09:12:56	0.080
4761	09/25/2008	09:12:57	0.081
4762	09/25/2008	09:12:58	0.080
4763	09/25/2008	09:12:59	0.082
4764	09/25/2008	09:13:00	0.091
4765	09/25/2008	09:13:01	0.077
4766	09/25/2008	09:13:02	0.086
4767	09/25/2008	09:13:03	0.078
4768	09/25/2008	09:13:04	0.090
4769	09/25/2008	09:13:05	0.087
4770	09/25/2008	09:13:06	0.083
4771	09/25/2008	09:13:07	0.093
4772	09/25/2008	09:13:08	0.088
4773	09/25/2008	09:13:09	0.093

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
4774	09/25/2008	09:13:10	0.080
4775	09/25/2008	09:13:11	0.115
4776	09/25/2008	09:13:12	0.079
4777	09/25/2008	09:13:13	0.082
4778	09/25/2008	09:13:14	0.086
4779	09/25/2008	09:13:15	0.086
4780	09/25/2008	09:13:16	0.093
4781	09/25/2008	09:13:17	0.085
4782	09/25/2008	09:13:18	0.090
4783	09/25/2008	09:13:19	0.075
4784	09/25/2008	09:13:20	0.087
4785	09/25/2008	09:13:21	0.080
4786	09/25/2008	09:13:22	0.082
4787	09/25/2008	09:13:23	0.153
4788	09/25/2008	09:13:24	0.092
4789	09/25/2008	09:13:25	0.098
4790	09/25/2008	09:13:26	0.087
4791	09/25/2008	09:13:27	0.094
4792	09/25/2008	09:13:28	0.106
4793	09/25/2008	09:13:29	0.084
4794	09/25/2008	09:13:30	0.087
4795	09/25/2008	09:13:31	0.097
4796	09/25/2008	09:13:32	0.096
4797	09/25/2008	09:13:33	0.082
4798	09/25/2008	09:13:34	0.091
4799	09/25/2008	09:13:35	0.090
4800	09/25/2008	09:13:36	0.109
4801	09/25/2008	09:13:37	0.092
4802	09/25/2008	09:13:38	0.086
4803	09/25/2008	09:13:39	0.089
4804	09/25/2008	09:13:40	0.079
4805	09/25/2008	09:13:41	0.086
4806	09/25/2008	09:13:42	0.087
4807	09/25/2008	09:13:43	0.088
4808	09/25/2008	09:13:44	0.095
4809	09/25/2008	09:13:45	0.080
4810	09/25/2008	09:13:46	0.088
4811	09/25/2008	09:13:47	0.095
4812	09/25/2008	09:13:48	0.084
4813	09/25/2008	09:13:49	0.087
4814	09/25/2008	09:13:50	0.083
4815	09/25/2008	09:13:51	0.083
4816	09/25/2008	09:13:52	0.106
4817	09/25/2008	09:13:53	0.080
4818	09/25/2008	09:13:54	0.114
4819	09/25/2008	09:13:55	0.081
4820	09/25/2008	09:13:56	0.088
4821	09/25/2008	09:13:57	0.078
4822	09/25/2008	09:13:58	0.092
4823	09/25/2008	09:13:59	0.089
4824	09/25/2008	09:14:00	0.085
4825	09/25/2008	09:14:01	0.081
4826	09/25/2008	09:14:02	0.086
4827	09/25/2008	09:14:03	0.101
4828	09/25/2008	09:14:04	0.083

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
4829	09/25/2008	09:14:05	0.094
4830	09/25/2008	09:14:06	0.098
4831	09/25/2008	09:14:07	0.085
4832	09/25/2008	09:14:08	0.097
4833	09/25/2008	09:14:09	0.082
4834	09/25/2008	09:14:10	0.085
4835	09/25/2008	09:14:11	0.078
4836	09/25/2008	09:14:12	0.088
4837	09/25/2008	09:14:13	0.082
4838	09/25/2008	09:14:14	0.111
4839	09/25/2008	09:14:15	0.084
4840	09/25/2008	09:14:16	0.078
4841	09/25/2008	09:14:17	0.082
4842	09/25/2008	09:14:18	0.088
4843	09/25/2008	09:14:19	0.086
4844	09/25/2008	09:14:20	0.079
4845	09/25/2008	09:14:21	0.104
4846	09/25/2008	09:14:22	0.085
4847	09/25/2008	09:14:23	0.083
4848	09/25/2008	09:14:24	0.080
4849	09/25/2008	09:14:25	0.106
4850	09/25/2008	09:14:26	0.113
4851	09/25/2008	09:14:27	0.091
4852	09/25/2008	09:14:28	0.083
4853	09/25/2008	09:14:29	0.085
4854	09/25/2008	09:14:30	0.082
4855	09/25/2008	09:14:31	0.085
4856	09/25/2008	09:14:32	0.081
4857	09/25/2008	09:14:33	0.106
4858	09/25/2008	09:14:34	0.112
4859	09/25/2008	09:14:35	0.086
4860	09/25/2008	09:14:36	0.076
4861	09/25/2008	09:14:37	0.080
4862	09/25/2008	09:14:38	0.083
4863	09/25/2008	09:14:39	0.080
4864	09/25/2008	09:14:40	0.082
4865	09/25/2008	09:14:41	0.088
4866	09/25/2008	09:14:42	0.082
4867	09/25/2008	09:14:43	0.076
4868	09/25/2008	09:14:44	0.081
4869	09/25/2008	09:14:45	0.099
4870	09/25/2008	09:14:46	0.077
4871	09/25/2008	09:14:47	0.125
4872	09/25/2008	09:14:48	0.086
4873	09/25/2008	09:14:49	0.109
4874	09/25/2008	09:14:50	0.088
4875	09/25/2008	09:14:51	0.109
4876	09/25/2008	09:14:52	0.106
4877	09/25/2008	09:14:53	0.077
4878	09/25/2008	09:14:54	0.096
4879	09/25/2008	09:14:55	0.088
4880	09/25/2008	09:14:56	0.089
4881	09/25/2008	09:14:57	0.083
4882	09/25/2008	09:14:58	0.135
4883	09/25/2008	09:14:59	0.080

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
4884	09/25/2008	09:15:00	0.084
4885	09/25/2008	09:15:01	0.081
4886	09/25/2008	09:15:02	0.078
4887	09/25/2008	09:15:03	0.080
4888	09/25/2008	09:15:04	0.083
4889	09/25/2008	09:15:05	0.082
4890	09/25/2008	09:15:06	0.089
4891	09/25/2008	09:15:07	0.170
4892	09/25/2008	09:15:08	0.086
4893	09/25/2008	09:15:09	0.099
4894	09/25/2008	09:15:10	0.092
4895	09/25/2008	09:15:11	0.109
4896	09/25/2008	09:15:12	0.080
4897	09/25/2008	09:15:13	0.078
4898	09/25/2008	09:15:14	0.085
4899	09/25/2008	09:15:15	0.129
4900	09/25/2008	09:15:16	0.077
4901	09/25/2008	09:15:17	0.083
4902	09/25/2008	09:15:18	0.079
4903	09/25/2008	09:15:19	0.105
4904	09/25/2008	09:15:20	0.096
4905	09/25/2008	09:15:21	0.087
4906	09/25/2008	09:15:22	0.082
4907	09/25/2008	09:15:23	0.087
4908	09/25/2008	09:15:24	0.092
4909	09/25/2008	09:15:25	0.079
4910	09/25/2008	09:15:26	0.086
4911	09/25/2008	09:15:27	0.083
4912	09/25/2008	09:15:28	0.082
4913	09/25/2008	09:15:29	0.082
4914	09/25/2008	09:15:30	0.088
4915	09/25/2008	09:15:31	0.088
4916	09/25/2008	09:15:32	0.078
4917	09/25/2008	09:15:33	0.091
4918	09/25/2008	09:15:34	0.094
4919	09/25/2008	09:15:35	0.089
4920	09/25/2008	09:15:36	0.099
4921	09/25/2008	09:15:37	0.129
4922	09/25/2008	09:15:38	0.078
4923	09/25/2008	09:15:39	0.085
4924	09/25/2008	09:15:40	0.091
4925	09/25/2008	09:15:41	0.082
4926	09/25/2008	09:15:42	0.081
4927	09/25/2008	09:15:43	0.092
4928	09/25/2008	09:15:44	0.085
4929	09/25/2008	09:15:45	0.087
4930	09/25/2008	09:15:46	0.095
4931	09/25/2008	09:15:47	0.103
4932	09/25/2008	09:15:48	0.082
4933	09/25/2008	09:15:49	0.084
4934	09/25/2008	09:15:50	0.080
4935	09/25/2008	09:15:51	0.079
4936	09/25/2008	09:15:52	0.083
4937	09/25/2008	09:15:53	0.085
4938	09/25/2008	09:15:54	0.079

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
4939	09/25/2008	09:15:55	0.080
4940	09/25/2008	09:15:56	0.111
4941	09/25/2008	09:15:57	0.091
4942	09/25/2008	09:15:58	0.080
4943	09/25/2008	09:15:59	0.081
4944	09/25/2008	09:16:00	0.078
4945	09/25/2008	09:16:01	0.086
4946	09/25/2008	09:16:02	0.082
4947	09/25/2008	09:16:03	0.082
4948	09/25/2008	09:16:04	0.077
4949	09/25/2008	09:16:05	0.080
4950	09/25/2008	09:16:06	0.082
4951	09/25/2008	09:16:07	0.105
4952	09/25/2008	09:16:08	0.085
4953	09/25/2008	09:16:09	0.084
4954	09/25/2008	09:16:10	0.079
4955	09/25/2008	09:16:11	0.080
4956	09/25/2008	09:16:12	0.078
4957	09/25/2008	09:16:13	0.083
4958	09/25/2008	09:16:14	0.090
4959	09/25/2008	09:16:15	0.083
4960	09/25/2008	09:16:16	0.099
4961	09/25/2008	09:16:17	0.104
4962	09/25/2008	09:16:18	0.090
4963	09/25/2008	09:16:19	0.117
4964	09/25/2008	09:16:20	0.086
4965	09/25/2008	09:16:21	0.085
4966	09/25/2008	09:16:22	0.099
4967	09/25/2008	09:16:23	0.097
4968	09/25/2008	09:16:24	0.089
4969	09/25/2008	09:16:25	0.089
4970	09/25/2008	09:16:26	0.084
4971	09/25/2008	09:16:27	0.081
4972	09/25/2008	09:16:28	0.082
4973	09/25/2008	09:16:29	0.100
4974	09/25/2008	09:16:30	0.078
4975	09/25/2008	09:16:31	0.081
4976	09/25/2008	09:16:32	0.085
4977	09/25/2008	09:16:33	0.150
4978	09/25/2008	09:16:34	0.091
4979	09/25/2008	09:16:35	0.087
4980	09/25/2008	09:16:36	0.093
4981	09/25/2008	09:16:37	0.144
4982	09/25/2008	09:16:38	0.100
4983	09/25/2008	09:16:39	0.085
4984	09/25/2008	09:16:40	0.093
4985	09/25/2008	09:16:41	0.088
4986	09/25/2008	09:16:42	0.087
4987	09/25/2008	09:16:43	0.083
4988	09/25/2008	09:16:44	0.079
4989	09/25/2008	09:16:45	0.086
4990	09/25/2008	09:16:46	0.077
4991	09/25/2008	09:16:47	0.089
4992	09/25/2008	09:16:48	0.083
4993	09/25/2008	09:16:49	0.096

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
4994	09/25/2008	09:16:50	0.079
4995	09/25/2008	09:16:51	0.110
4996	09/25/2008	09:16:52	0.098
4997	09/25/2008	09:16:53	0.100
4998	09/25/2008	09:16:54	0.083
4999	09/25/2008	09:16:55	0.081
5000	09/25/2008	09:16:56	0.089
5001	09/25/2008	09:16:57	0.138
5002	09/25/2008	09:16:58	0.084
5003	09/25/2008	09:16:59	0.080
5004	09/25/2008	09:17:00	0.109
5005	09/25/2008	09:17:01	0.084
5006	09/25/2008	09:17:02	0.088
5007	09/25/2008	09:17:03	0.084
5008	09/25/2008	09:17:04	0.096
5009	09/25/2008	09:17:05	0.083
5010	09/25/2008	09:17:06	0.086
5011	09/25/2008	09:17:07	0.082
5012	09/25/2008	09:17:08	0.086
5013	09/25/2008	09:17:09	0.096
5014	09/25/2008	09:17:10	0.088
5015	09/25/2008	09:17:11	0.084
5016	09/25/2008	09:17:12	0.100
5017	09/25/2008	09:17:13	0.098
5018	09/25/2008	09:17:14	0.087
5019	09/25/2008	09:17:15	0.090
5020	09/25/2008	09:17:16	0.082
5021	09/25/2008	09:17:17	0.082
5022	09/25/2008	09:17:18	0.089
5023	09/25/2008	09:17:19	0.085
5024	09/25/2008	09:17:20	0.082
5025	09/25/2008	09:17:21	0.090
5026	09/25/2008	09:17:22	0.084
5027	09/25/2008	09:17:23	0.089
5028	09/25/2008	09:17:24	0.089
5029	09/25/2008	09:17:25	0.081
5030	09/25/2008	09:17:26	0.095
5031	09/25/2008	09:17:27	0.082
5032	09/25/2008	09:17:28	0.079
5033	09/25/2008	09:17:29	0.081
5034	09/25/2008	09:17:30	0.081
5035	09/25/2008	09:17:31	0.081
5036	09/25/2008	09:17:32	0.108
5037	09/25/2008	09:17:33	0.081
5038	09/25/2008	09:17:34	0.080
5039	09/25/2008	09:17:35	0.082
5040	09/25/2008	09:17:36	0.089
5041	09/25/2008	09:17:37	0.088
5042	09/25/2008	09:17:38	0.079
5043	09/25/2008	09:17:39	0.097
5044	09/25/2008	09:17:40	0.090
5045	09/25/2008	09:17:41	0.085
5046	09/25/2008	09:17:42	0.093
5047	09/25/2008	09:17:43	0.094
5048	09/25/2008	09:17:44	0.084

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
5049	09/25/2008	09:17:45	0.092
5050	09/25/2008	09:17:46	0.076
5051	09/25/2008	09:17:47	0.082
5052	09/25/2008	09:17:48	0.083
5053	09/25/2008	09:17:49	0.084
5054	09/25/2008	09:17:50	0.092
5055	09/25/2008	09:17:51	0.093
5056	09/25/2008	09:17:52	0.084
5057	09/25/2008	09:17:53	0.092
5058	09/25/2008	09:17:54	0.092
5059	09/25/2008	09:17:55	0.092
5060	09/25/2008	09:17:56	0.089
5061	09/25/2008	09:17:57	0.090
5062	09/25/2008	09:17:58	0.119
5063	09/25/2008	09:17:59	0.077
5064	09/25/2008	09:18:00	0.081
5065	09/25/2008	09:18:01	0.090
5066	09/25/2008	09:18:02	0.095
5067	09/25/2008	09:18:03	0.092
5068	09/25/2008	09:18:04	0.083
5069	09/25/2008	09:18:05	0.110
5070	09/25/2008	09:18:06	0.083
5071	09/25/2008	09:18:07	0.087
5072	09/25/2008	09:18:08	0.085
5073	09/25/2008	09:18:09	0.092
5074	09/25/2008	09:18:10	0.093
5075	09/25/2008	09:18:11	0.084
5076	09/25/2008	09:18:12	0.079
5077	09/25/2008	09:18:13	0.090
5078	09/25/2008	09:18:14	0.091
5079	09/25/2008	09:18:15	0.081
5080	09/25/2008	09:18:16	0.081
5081	09/25/2008	09:18:17	0.089
5082	09/25/2008	09:18:18	0.080
5083	09/25/2008	09:18:19	0.088
5084	09/25/2008	09:18:20	0.088
5085	09/25/2008	09:18:21	0.084
5086	09/25/2008	09:18:22	0.086
5087	09/25/2008	09:18:23	0.078
5088	09/25/2008	09:18:24	0.081
5089	09/25/2008	09:18:25	0.074
5090	09/25/2008	09:18:26	0.086
5091	09/25/2008	09:18:27	0.086
5092	09/25/2008	09:18:28	0.090
5093	09/25/2008	09:18:29	0.088
5094	09/25/2008	09:18:30	0.083
5095	09/25/2008	09:18:31	0.089
5096	09/25/2008	09:18:32	0.080
5097	09/25/2008	09:18:33	0.108
5098	09/25/2008	09:18:34	0.077
5099	09/25/2008	09:18:35	0.079
5100	09/25/2008	09:18:36	0.102
5101	09/25/2008	09:18:37	0.088
5102	09/25/2008	09:18:38	0.081
5103	09/25/2008	09:18:39	0.086

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
5104	09/25/2008	09:18:40	0.076
5105	09/25/2008	09:18:41	0.091
5106	09/25/2008	09:18:42	0.083
5107	09/25/2008	09:18:43	0.089
5108	09/25/2008	09:18:44	0.085
5109	09/25/2008	09:18:45	0.083
5110	09/25/2008	09:18:46	0.091
5111	09/25/2008	09:18:47	0.079
5112	09/25/2008	09:18:48	0.089
5113	09/25/2008	09:18:49	0.076
5114	09/25/2008	09:18:50	0.090
5115	09/25/2008	09:18:51	0.092
5116	09/25/2008	09:18:52	0.079
5117	09/25/2008	09:18:53	0.080
5118	09/25/2008	09:18:54	0.079
5119	09/25/2008	09:18:55	0.081
5120	09/25/2008	09:18:56	0.122
5121	09/25/2008	09:18:57	0.077
5122	09/25/2008	09:18:58	0.110
5123	09/25/2008	09:18:59	0.090
5124	09/25/2008	09:19:00	0.092
5125	09/25/2008	09:19:01	0.080
5126	09/25/2008	09:19:02	0.086
5127	09/25/2008	09:19:03	0.082
5128	09/25/2008	09:19:04	0.084
5129	09/25/2008	09:19:05	0.086
5130	09/25/2008	09:19:06	0.083
5131	09/25/2008	09:19:07	0.078
5132	09/25/2008	09:19:08	0.082
5133	09/25/2008	09:19:09	0.074
5134	09/25/2008	09:19:10	0.098
5135	09/25/2008	09:19:11	0.084
5136	09/25/2008	09:19:12	0.080
5137	09/25/2008	09:19:13	0.102
5138	09/25/2008	09:19:14	0.103
5139	09/25/2008	09:19:15	0.096
5140	09/25/2008	09:19:16	0.080
5141	09/25/2008	09:19:17	0.084
5142	09/25/2008	09:19:18	0.091
5143	09/25/2008	09:19:19	0.082
5144	09/25/2008	09:19:20	0.106
5145	09/25/2008	09:19:21	0.077
5146	09/25/2008	09:19:22	0.081
5147	09/25/2008	09:19:23	0.082
5148	09/25/2008	09:19:24	0.081
5149	09/25/2008	09:19:25	0.078
5150	09/25/2008	09:19:26	0.082
5151	09/25/2008	09:19:27	0.078
5152	09/25/2008	09:19:28	0.079
5153	09/25/2008	09:19:29	0.094
5154	09/25/2008	09:19:30	0.087
5155	09/25/2008	09:19:31	0.085
5156	09/25/2008	09:19:32	0.092
5157	09/25/2008	09:19:33	0.079
5158	09/25/2008	09:19:34	0.085



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
5159	09/25/2008	09:19:35	0.082
5160	09/25/2008	09:19:36	0.087
5161	09/25/2008	09:19:37	0.081
5162	09/25/2008	09:19:38	0.091
5163	09/25/2008	09:19:39	0.081
5164	09/25/2008	09:19:40	0.076
5165	09/25/2008	09:19:41	0.078
5166	09/25/2008	09:19:42	0.076
5167	09/25/2008	09:19:43	0.085
5168	09/25/2008	09:19:44	0.095
5169	09/25/2008	09:19:45	0.084
5170	09/25/2008	09:19:46	0.094
5171	09/25/2008	09:19:47	0.080
5172	09/25/2008	09:19:48	0.083
5173	09/25/2008	09:19:49	0.075
5174	09/25/2008	09:19:50	0.077
5175	09/25/2008	09:19:51	0.080
5176	09/25/2008	09:19:52	0.096
5177	09/25/2008	09:19:53	0.088
5178	09/25/2008	09:19:54	0.099
5179	09/25/2008	09:19:55	0.082
5180	09/25/2008	09:19:56	0.093
5181	09/25/2008	09:19:57	0.090
5182	09/25/2008	09:19:58	0.091
5183	09/25/2008	09:19:59	0.081
5184	09/25/2008	09:20:00	0.085
5185	09/25/2008	09:20:01	0.084
5186	09/25/2008	09:20:02	0.109
5187	09/25/2008	09:20:03	0.081
5188	09/25/2008	09:20:04	0.081
5189	09/25/2008	09:20:05	0.076
5190	09/25/2008	09:20:06	0.086
5191	09/25/2008	09:20:07	0.116
5192	09/25/2008	09:20:08	0.088
5193	09/25/2008	09:20:09	0.087
5194	09/25/2008	09:20:10	0.088
5195	09/25/2008	09:20:11	0.079
5196	09/25/2008	09:20:12	0.076
5197	09/25/2008	09:20:13	0.085
5198	09/25/2008	09:20:14	0.093
5199	09/25/2008	09:20:15	0.085
5200	09/25/2008	09:20:16	0.076
5201	09/25/2008	09:20:17	0.082
5202	09/25/2008	09:20:18	0.075
5203	09/25/2008	09:20:19	0.088
5204	09/25/2008	09:20:20	0.083
5205	09/25/2008	09:20:21	0.083
5206	09/25/2008	09:20:22	0.126
5207	09/25/2008	09:20:23	0.091
5208	09/25/2008	09:20:24	0.078
5209	09/25/2008	09:20:25	0.134
5210	09/25/2008	09:20:26	0.080
5211	09/25/2008	09:20:27	0.117
5212	09/25/2008	09:20:28	0.077
5213	09/25/2008	09:20:29	0.081

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
5214	09/25/2008	09:20:30	0.084
5215	09/25/2008	09:20:31	0.104
5216	09/25/2008	09:20:32	0.080
5217	09/25/2008	09:20:33	0.080
5218	09/25/2008	09:20:34	0.097
5219	09/25/2008	09:20:35	0.081
5220	09/25/2008	09:20:36	0.136
5221	09/25/2008	09:20:37	0.082
5222	09/25/2008	09:20:38	0.088
5223	09/25/2008	09:20:39	0.080
5224	09/25/2008	09:20:40	0.080
5225	09/25/2008	09:20:41	0.081
5226	09/25/2008	09:20:42	0.079
5227	09/25/2008	09:20:43	0.098
5228	09/25/2008	09:20:44	0.086
5229	09/25/2008	09:20:45	0.085
5230	09/25/2008	09:20:46	0.079
5231	09/25/2008	09:20:47	0.076
5232	09/25/2008	09:20:48	0.082
5233	09/25/2008	09:20:49	0.086
5234	09/25/2008	09:20:50	0.078
5235	09/25/2008	09:20:51	0.079
5236	09/25/2008	09:20:52	0.081
5237	09/25/2008	09:20:53	0.091
5238	09/25/2008	09:20:54	0.081
5239	09/25/2008	09:20:55	0.113
5240	09/25/2008	09:20:56	0.076
5241	09/25/2008	09:20:57	0.085
5242	09/25/2008	09:20:58	0.091
5243	09/25/2008	09:20:59	0.087
5244	09/25/2008	09:21:00	0.088
5245	09/25/2008	09:21:01	0.096
5246	09/25/2008	09:21:02	0.095
5247	09/25/2008	09:21:03	0.096
5248	09/25/2008	09:21:04	0.084
5249	09/25/2008	09:21:05	0.084
5250	09/25/2008	09:21:06	0.077
5251	09/25/2008	09:21:07	0.084
5252	09/25/2008	09:21:08	0.078
5253	09/25/2008	09:21:09	0.079
5254	09/25/2008	09:21:10	0.083
5255	09/25/2008	09:21:11	0.082
5256	09/25/2008	09:21:12	0.082
5257	09/25/2008	09:21:13	0.087
5258	09/25/2008	09:21:14	0.093
5259	09/25/2008	09:21:15	0.080
5260	09/25/2008	09:21:16	0.077
5261	09/25/2008	09:21:17	0.093
5262	09/25/2008	09:21:18	0.075
5263	09/25/2008	09:21:19	0.088
5264	09/25/2008	09:21:20	0.084
5265	09/25/2008	09:21:21	0.085
5266	09/25/2008	09:21:22	0.081
5267	09/25/2008	09:21:23	0.082
5268	09/25/2008	09:21:24	0.092

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
5269	09/25/2008	09:21:25	0.163
5270	09/25/2008	09:21:26	0.106
5271	09/25/2008	09:21:27	0.084
5272	09/25/2008	09:21:28	0.094
5273	09/25/2008	09:21:29	0.079
5274	09/25/2008	09:21:30	0.107
5275	09/25/2008	09:21:31	0.085
5276	09/25/2008	09:21:32	0.081
5277	09/25/2008	09:21:33	0.077
5278	09/25/2008	09:21:34	0.079
5279	09/25/2008	09:21:35	0.099
5280	09/25/2008	09:21:36	0.087
5281	09/25/2008	09:21:37	0.105
5282	09/25/2008	09:21:38	0.095
5283	09/25/2008	09:21:39	0.129
5284	09/25/2008	09:21:40	0.088
5285	09/25/2008	09:21:41	0.089
5286	09/25/2008	09:21:42	0.082
5287	09/25/2008	09:21:43	0.084
5288	09/25/2008	09:21:44	0.086
5289	09/25/2008	09:21:45	0.087
5290	09/25/2008	09:21:46	0.087
5291	09/25/2008	09:21:47	0.088
5292	09/25/2008	09:21:48	0.103
5293	09/25/2008	09:21:49	0.096
5294	09/25/2008	09:21:50	0.085
5295	09/25/2008	09:21:51	0.084
5296	09/25/2008	09:21:52	0.085
5297	09/25/2008	09:21:53	0.086
5298	09/25/2008	09:21:54	0.079
5299	09/25/2008	09:21:55	0.090
5300	09/25/2008	09:21:56	0.083
5301	09/25/2008	09:21:57	0.081
5302	09/25/2008	09:21:58	0.123
5303	09/25/2008	09:21:59	0.086
5304	09/25/2008	09:22:00	0.115
5305	09/25/2008	09:22:01	0.082
5306	09/25/2008	09:22:02	0.084
5307	09/25/2008	09:22:03	0.091
5308	09/25/2008	09:22:04	0.082
5309	09/25/2008	09:22:05	0.088
5310	09/25/2008	09:22:06	0.090
5311	09/25/2008	09:22:07	0.078
5312	09/25/2008	09:22:08	0.117
5313	09/25/2008	09:22:09	0.091
5314	09/25/2008	09:22:10	0.079
5315	09/25/2008	09:22:11	0.093
5316	09/25/2008	09:22:12	0.085
5317	09/25/2008	09:22:13	0.080
5318	09/25/2008	09:22:14	0.111
5319	09/25/2008	09:22:15	0.075
5320	09/25/2008	09:22:16	0.087
5321	09/25/2008	09:22:17	0.083
5322	09/25/2008	09:22:18	0.148
5323	09/25/2008	09:22:19	0.081

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
5324	09/25/2008	09:22:20	0.089
5325	09/25/2008	09:22:21	0.082
5326	09/25/2008	09:22:22	0.120
5327	09/25/2008	09:22:23	0.085
5328	09/25/2008	09:22:24	0.081
5329	09/25/2008	09:22:25	0.079
5330	09/25/2008	09:22:26	0.104
5331	09/25/2008	09:22:27	0.083
5332	09/25/2008	09:22:28	0.082
5333	09/25/2008	09:22:29	0.088
5334	09/25/2008	09:22:30	0.085
5335	09/25/2008	09:22:31	0.081
5336	09/25/2008	09:22:32	0.100
5337	09/25/2008	09:22:33	0.080
5338	09/25/2008	09:22:34	0.078
5339	09/25/2008	09:22:35	0.080
5340	09/25/2008	09:22:36	0.085
5341	09/25/2008	09:22:37	0.084
5342	09/25/2008	09:22:38	0.095
5343	09/25/2008	09:22:39	0.082
5344	09/25/2008	09:22:40	0.079
5345	09/25/2008	09:22:41	0.079
5346	09/25/2008	09:22:42	0.079
5347	09/25/2008	09:22:43	0.092
5348	09/25/2008	09:22:44	0.074
5349	09/25/2008	09:22:45	0.080
5350	09/25/2008	09:22:46	0.084
5351	09/25/2008	09:22:47	0.083
5352	09/25/2008	09:22:48	0.083
5353	09/25/2008	09:22:49	0.086
5354	09/25/2008	09:22:50	0.443
5355	09/25/2008	09:22:51	0.083
5356	09/25/2008	09:22:52	0.081
5357	09/25/2008	09:22:53	0.079
5358	09/25/2008	09:22:54	0.080
5359	09/25/2008	09:22:55	0.078
5360	09/25/2008	09:22:56	0.079
5361	09/25/2008	09:22:57	0.092
5362	09/25/2008	09:22:58	0.083
5363	09/25/2008	09:22:59	0.078
5364	09/25/2008	09:23:00	0.081
5365	09/25/2008	09:23:01	0.087
5366	09/25/2008	09:23:02	0.084
5367	09/25/2008	09:23:03	0.080
5368	09/25/2008	09:23:04	0.084
5369	09/25/2008	09:23:05	0.080
5370	09/25/2008	09:23:06	0.084
5371	09/25/2008	09:23:07	0.078
5372	09/25/2008	09:23:08	0.104
5373	09/25/2008	09:23:09	0.099
5374	09/25/2008	09:23:10	0.083
5375	09/25/2008	09:23:11	0.082
5376	09/25/2008	09:23:12	0.083
5377	09/25/2008	09:23:13	0.086
5378	09/25/2008	09:23:14	0.114

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
5379	09/25/2008	09:23:15	0.078
5380	09/25/2008	09:23:16	0.079
5381	09/25/2008	09:23:17	0.080
5382	09/25/2008	09:23:18	0.076
5383	09/25/2008	09:23:19	0.084
5384	09/25/2008	09:23:20	0.149
5385	09/25/2008	09:23:21	0.079
5386	09/25/2008	09:23:22	0.086
5387	09/25/2008	09:23:23	0.101
5388	09/25/2008	09:23:24	0.082
5389	09/25/2008	09:23:25	0.086
5390	09/25/2008	09:23:26	0.087
5391	09/25/2008	09:23:27	0.081
5392	09/25/2008	09:23:28	0.087
5393	09/25/2008	09:23:29	0.083
5394	09/25/2008	09:23:30	0.117
5395	09/25/2008	09:23:31	0.081
5396	09/25/2008	09:23:32	0.083
5397	09/25/2008	09:23:33	0.080
5398	09/25/2008	09:23:34	0.080
5399	09/25/2008	09:23:35	0.083
5400	09/25/2008	09:23:36	0.085
5401	09/25/2008	09:23:37	0.076
5402	09/25/2008	09:23:38	0.081
5403	09/25/2008	09:23:39	0.120
5404	09/25/2008	09:23:40	0.086
5405	09/25/2008	09:23:41	0.077
5406	09/25/2008	09:23:42	0.083
5407	09/25/2008	09:23:43	0.125
5408	09/25/2008	09:23:44	0.083
5409	09/25/2008	09:23:45	0.094
5410	09/25/2008	09:23:46	0.073
5411	09/25/2008	09:23:47	0.088
5412	09/25/2008	09:23:48	0.097
5413	09/25/2008	09:23:49	0.082
5414	09/25/2008	09:23:50	0.081
5415	09/25/2008	09:23:51	0.080
5416	09/25/2008	09:23:52	0.091
5417	09/25/2008	09:23:53	0.093
5418	09/25/2008	09:23:54	0.089
5419	09/25/2008	09:23:55	0.096
5420	09/25/2008	09:23:56	0.085
5421	09/25/2008	09:23:57	0.083
5422	09/25/2008	09:23:58	0.089
5423	09/25/2008	09:23:59	0.084
5424	09/25/2008	09:24:00	0.089
5425	09/25/2008	09:24:01	0.084
5426	09/25/2008	09:24:02	0.085
5427	09/25/2008	09:24:03	0.083
5428	09/25/2008	09:24:04	0.085
5429	09/25/2008	09:24:05	0.087
5430	09/25/2008	09:24:06	0.082
5431	09/25/2008	09:24:07	0.109
5432	09/25/2008	09:24:08	0.082
5433	09/25/2008	09:24:09	0.084

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
5434	09/25/2008	09:24:10	0.078
5435	09/25/2008	09:24:11	0.084
5436	09/25/2008	09:24:12	0.083
5437	09/25/2008	09:24:13	0.081
5438	09/25/2008	09:24:14	0.085
5439	09/25/2008	09:24:15	0.090
5440	09/25/2008	09:24:16	0.082
5441	09/25/2008	09:24:17	0.081
5442	09/25/2008	09:24:18	0.098
5443	09/25/2008	09:24:19	0.085
5444	09/25/2008	09:24:20	0.081
5445	09/25/2008	09:24:21	0.129
5446	09/25/2008	09:24:22	0.087
5447	09/25/2008	09:24:23	0.086
5448	09/25/2008	09:24:24	0.082
5449	09/25/2008	09:24:25	0.086
5450	09/25/2008	09:24:26	0.115
5451	09/25/2008	09:24:27	0.082
5452	09/25/2008	09:24:28	0.092
5453	09/25/2008	09:24:29	0.079
5454	09/25/2008	09:24:30	0.084
5455	09/25/2008	09:24:31	0.076
5456	09/25/2008	09:24:32	0.089
5457	09/25/2008	09:24:33	0.078
5458	09/25/2008	09:24:34	0.084
5459	09/25/2008	09:24:35	0.090
5460	09/25/2008	09:24:36	0.087
5461	09/25/2008	09:24:37	0.085
5462	09/25/2008	09:24:38	0.081
5463	09/25/2008	09:24:39	0.080
5464	09/25/2008	09:24:40	0.079
5465	09/25/2008	09:24:41	0.084
5466	09/25/2008	09:24:42	0.086
5467	09/25/2008	09:24:43	0.082
5468	09/25/2008	09:24:44	0.080
5469	09/25/2008	09:24:45	0.081
5470	09/25/2008	09:24:46	0.079
5471	09/25/2008	09:24:47	0.080
5472	09/25/2008	09:24:48	0.122
5473	09/25/2008	09:24:49	0.102
5474	09/25/2008	09:24:50	0.092
5475	09/25/2008	09:24:51	0.093
5476	09/25/2008	09:24:52	0.181
5477	09/25/2008	09:24:53	0.086
5478	09/25/2008	09:24:54	0.080
5479	09/25/2008	09:24:55	0.090
5480	09/25/2008	09:24:56	0.088
5481	09/25/2008	09:24:57	0.091
5482	09/25/2008	09:24:58	0.080
5483	09/25/2008	09:24:59	0.080
5484	09/25/2008	09:25:00	0.083
5485	09/25/2008	09:25:01	0.088
5486	09/25/2008	09:25:02	0.075
5487	09/25/2008	09:25:03	0.076
5488	09/25/2008	09:25:04	0.084

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
5489	09/25/2008	09:25:05	0.085
5490	09/25/2008	09:25:06	0.100
5491	09/25/2008	09:25:07	0.104
5492	09/25/2008	09:25:08	0.092
5493	09/25/2008	09:25:09	0.094
5494	09/25/2008	09:25:10	0.108
5495	09/25/2008	09:25:11	0.087
5496	09/25/2008	09:25:12	0.076
5497	09/25/2008	09:25:13	0.082
5498	09/25/2008	09:25:14	0.226
5499	09/25/2008	09:25:15	0.094
5500	09/25/2008	09:25:16	0.141
5501	09/25/2008	09:25:17	0.079
5502	09/25/2008	09:25:18	0.084
5503	09/25/2008	09:25:19	0.119
5504	09/25/2008	09:25:20	0.084
5505	09/25/2008	09:25:21	0.075
5506	09/25/2008	09:25:22	0.092
5507	09/25/2008	09:25:23	0.085
5508	09/25/2008	09:25:24	0.091
5509	09/25/2008	09:25:25	0.092
5510	09/25/2008	09:25:26	0.081
5511	09/25/2008	09:25:27	0.077
5512	09/25/2008	09:25:28	0.077
5513	09/25/2008	09:25:29	0.087
5514	09/25/2008	09:25:30	0.079
5515	09/25/2008	09:25:31	0.093
5516	09/25/2008	09:25:32	0.083
5517	09/25/2008	09:25:33	0.086
5518	09/25/2008	09:25:34	0.082
5519	09/25/2008	09:25:35	0.084
5520	09/25/2008	09:25:36	0.081
5521	09/25/2008	09:25:37	0.083
5522	09/25/2008	09:25:38	0.082
5523	09/25/2008	09:25:39	0.084
5524	09/25/2008	09:25:40	0.078
5525	09/25/2008	09:25:41	0.088
5526	09/25/2008	09:25:42	0.086
5527	09/25/2008	09:25:43	0.084
5528	09/25/2008	09:25:44	0.079
5529	09/25/2008	09:25:45	0.101
5530	09/25/2008	09:25:46	0.133
5531	09/25/2008	09:25:47	0.084
5532	09/25/2008	09:25:48	0.217
5533	09/25/2008	09:25:49	0.076
5534	09/25/2008	09:25:50	0.084
5535	09/25/2008	09:25:51	0.083
5536	09/25/2008	09:25:52	0.087
5537	09/25/2008	09:25:53	0.077
5538	09/25/2008	09:25:54	0.109
5539	09/25/2008	09:25:55	0.077
5540	09/25/2008	09:25:56	0.094
5541	09/25/2008	09:25:57	0.090
5542	09/25/2008	09:25:58	0.087
5543	09/25/2008	09:25:59	0.113

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
5544	09/25/2008	09:26:00	0.090
5545	09/25/2008	09:26:01	0.081
5546	09/25/2008	09:26:02	0.097
5547	09/25/2008	09:26:03	0.079
5548	09/25/2008	09:26:04	0.091
5549	09/25/2008	09:26:05	0.087
5550	09/25/2008	09:26:06	0.083
5551	09/25/2008	09:26:07	0.082
5552	09/25/2008	09:26:08	0.090
5553	09/25/2008	09:26:09	0.084
5554	09/25/2008	09:26:10	0.083
5555	09/25/2008	09:26:11	0.080
5556	09/25/2008	09:26:12	0.082
5557	09/25/2008	09:26:13	0.079
5558	09/25/2008	09:26:14	0.083
5559	09/25/2008	09:26:15	0.086
5560	09/25/2008	09:26:16	0.082
5561	09/25/2008	09:26:17	0.116
5562	09/25/2008	09:26:18	0.098
5563	09/25/2008	09:26:19	0.085
5564	09/25/2008	09:26:20	0.081
5565	09/25/2008	09:26:21	0.079
5566	09/25/2008	09:26:22	0.090
5567	09/25/2008	09:26:23	0.087
5568	09/25/2008	09:26:24	0.081
5569	09/25/2008	09:26:25	0.079
5570	09/25/2008	09:26:26	0.088
5571	09/25/2008	09:26:27	0.092
5572	09/25/2008	09:26:28	0.086
5573	09/25/2008	09:26:29	0.086
5574	09/25/2008	09:26:30	0.078
5575	09/25/2008	09:26:31	0.092
5576	09/25/2008	09:26:32	0.093
5577	09/25/2008	09:26:33	0.084
5578	09/25/2008	09:26:34	0.096
5579	09/25/2008	09:26:35	0.085
5580	09/25/2008	09:26:36	0.081
5581	09/25/2008	09:26:37	0.083
5582	09/25/2008	09:26:38	0.079
5583	09/25/2008	09:26:39	0.079
5584	09/25/2008	09:26:40	0.080
5585	09/25/2008	09:26:41	0.079
5586	09/25/2008	09:26:42	0.084
5587	09/25/2008	09:26:43	0.081
5588	09/25/2008	09:26:44	0.088
5589	09/25/2008	09:26:45	0.102
5590	09/25/2008	09:26:46	0.085
5591	09/25/2008	09:26:47	0.093
5592	09/25/2008	09:26:48	0.087
5593	09/25/2008	09:26:49	0.082
5594	09/25/2008	09:26:50	0.082
5595	09/25/2008	09:26:51	0.078
5596	09/25/2008	09:26:52	0.091
5597	09/25/2008	09:26:53	0.084
5598	09/25/2008	09:26:54	0.089



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
5599	09/25/2008	09:26:55	0.086
5600	09/25/2008	09:26:56	0.079
5601	09/25/2008	09:26:57	0.086
5602	09/25/2008	09:26:58	0.106
5603	09/25/2008	09:26:59	0.088
5604	09/25/2008	09:27:00	0.086
5605	09/25/2008	09:27:01	0.084
5606	09/25/2008	09:27:02	0.090
5607	09/25/2008	09:27:03	0.086
5608	09/25/2008	09:27:04	0.078
5609	09/25/2008	09:27:05	0.085
5610	09/25/2008	09:27:06	0.089
5611	09/25/2008	09:27:07	0.078
5612	09/25/2008	09:27:08	0.076
5613	09/25/2008	09:27:09	0.085
5614	09/25/2008	09:27:10	0.082
5615	09/25/2008	09:27:11	0.083
5616	09/25/2008	09:27:12	0.080
5617	09/25/2008	09:27:13	0.115
5618	09/25/2008	09:27:14	0.078
5619	09/25/2008	09:27:15	0.082
5620	09/25/2008	09:27:16	0.083
5621	09/25/2008	09:27:17	0.081
5622	09/25/2008	09:27:18	0.087
5623	09/25/2008	09:27:19	0.082
5624	09/25/2008	09:27:20	0.080
5625	09/25/2008	09:27:21	0.081
5626	09/25/2008	09:27:22	0.082
5627	09/25/2008	09:27:23	0.086
5628	09/25/2008	09:27:24	0.081
5629	09/25/2008	09:27:25	0.082
5630	09/25/2008	09:27:26	0.088
5631	09/25/2008	09:27:27	0.081
5632	09/25/2008	09:27:28	0.085
5633	09/25/2008	09:27:29	0.089
5634	09/25/2008	09:27:30	0.075
5635	09/25/2008	09:27:31	0.102
5636	09/25/2008	09:27:32	0.086
5637	09/25/2008	09:27:33	0.106
5638	09/25/2008	09:27:34	0.079
5639	09/25/2008	09:27:35	0.091
5640	09/25/2008	09:27:36	0.088
5641	09/25/2008	09:27:37	0.084
5642	09/25/2008	09:27:38	0.095
5643	09/25/2008	09:27:39	0.082
5644	09/25/2008	09:27:40	0.085
5645	09/25/2008	09:27:41	0.081
5646	09/25/2008	09:27:42	0.105
5647	09/25/2008	09:27:43	0.080
5648	09/25/2008	09:27:44	0.092
5649	09/25/2008	09:27:45	0.087
5650	09/25/2008	09:27:46	0.079
5651	09/25/2008	09:27:47	0.087
5652	09/25/2008	09:27:48	0.083
5653	09/25/2008	09:27:49	0.090

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
5654	09/25/2008	09:27:50	0.094
5655	09/25/2008	09:27:51	0.082
5656	09/25/2008	09:27:52	0.080
5657	09/25/2008	09:27:53	0.078
5658	09/25/2008	09:27:54	0.131
5659	09/25/2008	09:27:55	0.095
5660	09/25/2008	09:27:56	0.090
5661	09/25/2008	09:27:57	0.075
5662	09/25/2008	09:27:58	0.080
5663	09/25/2008	09:27:59	0.082
5664	09/25/2008	09:28:00	0.088
5665	09/25/2008	09:28:01	0.096
5666	09/25/2008	09:28:02	0.087
5667	09/25/2008	09:28:03	0.083
5668	09/25/2008	09:28:04	0.106
5669	09/25/2008	09:28:05	0.080
5670	09/25/2008	09:28:06	0.079
5671	09/25/2008	09:28:07	0.098
5672	09/25/2008	09:28:08	0.084
5673	09/25/2008	09:28:09	0.100
5674	09/25/2008	09:28:10	0.082
5675	09/25/2008	09:28:11	0.071
5676	09/25/2008	09:28:12	0.084
5677	09/25/2008	09:28:13	0.083
5678	09/25/2008	09:28:14	0.112
5679	09/25/2008	09:28:15	0.084
5680	09/25/2008	09:28:16	0.101
5681	09/25/2008	09:28:17	0.083
5682	09/25/2008	09:28:18	0.129
5683	09/25/2008	09:28:19	0.082
5684	09/25/2008	09:28:20	0.103
5685	09/25/2008	09:28:21	0.082
5686	09/25/2008	09:28:22	0.079
5687	09/25/2008	09:28:23	0.091
5688	09/25/2008	09:28:24	0.087
5689	09/25/2008	09:28:25	0.086
5690	09/25/2008	09:28:26	0.078
5691	09/25/2008	09:28:27	0.082
5692	09/25/2008	09:28:28	0.080
5693	09/25/2008	09:28:29	0.099
5694	09/25/2008	09:28:30	0.085
5695	09/25/2008	09:28:31	0.078
5696	09/25/2008	09:28:32	0.083
5697	09/25/2008	09:28:33	0.075
5698	09/25/2008	09:28:34	0.087
5699	09/25/2008	09:28:35	0.081
5700	09/25/2008	09:28:36	0.081
5701	09/25/2008	09:28:37	0.080
5702	09/25/2008	09:28:38	0.084
5703	09/25/2008	09:28:39	0.094
5704	09/25/2008	09:28:40	0.086
5705	09/25/2008	09:28:41	0.085
5706	09/25/2008	09:28:42	0.076
5707	09/25/2008	09:28:43	0.086
5708	09/25/2008	09:28:44	0.083

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
5709	09/25/2008	09:28:45	0.103
5710	09/25/2008	09:28:46	0.089
5711	09/25/2008	09:28:47	0.085
5712	09/25/2008	09:28:48	0.082
5713	09/25/2008	09:28:49	0.088
5714	09/25/2008	09:28:50	0.097
5715	09/25/2008	09:28:51	0.082
5716	09/25/2008	09:28:52	0.081
5717	09/25/2008	09:28:53	0.089
5718	09/25/2008	09:28:54	0.088
5719	09/25/2008	09:28:55	0.082
5720	09/25/2008	09:28:56	0.108
5721	09/25/2008	09:28:57	0.079
5722	09/25/2008	09:28:58	0.075
5723	09/25/2008	09:28:59	0.080
5724	09/25/2008	09:29:00	0.082
5725	09/25/2008	09:29:01	0.083
5726	09/25/2008	09:29:02	0.081
5727	09/25/2008	09:29:03	0.086
5728	09/25/2008	09:29:04	0.082
5729	09/25/2008	09:29:05	0.084
5730	09/25/2008	09:29:06	0.099
5731	09/25/2008	09:29:07	0.089
5732	09/25/2008	09:29:08	0.092
5733	09/25/2008	09:29:09	0.085
5734	09/25/2008	09:29:10	0.090
5735	09/25/2008	09:29:11	0.115
5736	09/25/2008	09:29:12	0.084
5737	09/25/2008	09:29:13	0.095
5738	09/25/2008	09:29:14	0.082
5739	09/25/2008	09:29:15	0.085
5740	09/25/2008	09:29:16	0.107
5741	09/25/2008	09:29:17	0.079
5742	09/25/2008	09:29:18	0.078
5743	09/25/2008	09:29:19	0.084
5744	09/25/2008	09:29:20	0.088
5745	09/25/2008	09:29:21	0.075
5746	09/25/2008	09:29:22	0.086
5747	09/25/2008	09:29:23	0.081
5748	09/25/2008	09:29:24	0.093
5749	09/25/2008	09:29:25	0.087
5750	09/25/2008	09:29:26	0.080
5751	09/25/2008	09:29:27	0.081
5752	09/25/2008	09:29:28	0.085
5753	09/25/2008	09:29:29	0.082
5754	09/25/2008	09:29:30	0.114
5755	09/25/2008	09:29:31	0.107
5756	09/25/2008	09:29:32	0.106
5757	09/25/2008	09:29:33	0.082
5758	09/25/2008	09:29:34	0.085
5759	09/25/2008	09:29:35	0.078
5760	09/25/2008	09:29:36	0.083
5761	09/25/2008	09:29:37	0.081
5762	09/25/2008	09:29:38	0.090
5763	09/25/2008	09:29:39	0.089

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
5764	09/25/2008	09:29:40	0.080
5765	09/25/2008	09:29:41	0.092
5766	09/25/2008	09:29:42	0.086
5767	09/25/2008	09:29:43	0.081
5768	09/25/2008	09:29:44	0.170
5769	09/25/2008	09:29:45	0.188
5770	09/25/2008	09:29:46	0.085
5771	09/25/2008	09:29:47	0.080
5772	09/25/2008	09:29:48	0.081
5773	09/25/2008	09:29:49	0.079
5774	09/25/2008	09:29:50	0.131
5775	09/25/2008	09:29:51	0.086
5776	09/25/2008	09:29:52	0.083
5777	09/25/2008	09:29:53	0.106
5778	09/25/2008	09:29:54	0.086
5779	09/25/2008	09:29:55	0.082
5780	09/25/2008	09:29:56	0.091
5781	09/25/2008	09:29:57	0.080
5782	09/25/2008	09:29:58	0.085
5783	09/25/2008	09:29:59	0.091
5784	09/25/2008	09:30:00	0.082
5785	09/25/2008	09:30:01	0.085
5786	09/25/2008	09:30:02	0.077
5787	09/25/2008	09:30:03	0.084
5788	09/25/2008	09:30:04	0.086
5789	09/25/2008	09:30:05	0.082
5790	09/25/2008	09:30:06	0.079
5791	09/25/2008	09:30:07	0.084
5792	09/25/2008	09:30:08	0.127
5793	09/25/2008	09:30:09	0.097
5794	09/25/2008	09:30:10	0.079
5795	09/25/2008	09:30:11	0.093
5796	09/25/2008	09:30:12	0.084
5797	09/25/2008	09:30:13	0.086
5798	09/25/2008	09:30:14	0.078
5799	09/25/2008	09:30:15	0.082
5800	09/25/2008	09:30:16	0.081
5801	09/25/2008	09:30:17	0.081
5802	09/25/2008	09:30:18	0.091
5803	09/25/2008	09:30:19	0.095
5804	09/25/2008	09:30:20	0.102
5805	09/25/2008	09:30:21	0.094
5806	09/25/2008	09:30:22	0.093
5807	09/25/2008	09:30:23	0.084
5808	09/25/2008	09:30:24	0.090
5809	09/25/2008	09:30:25	0.087
5810	09/25/2008	09:30:26	0.079
5811	09/25/2008	09:30:27	0.085
5812	09/25/2008	09:30:28	0.091
5813	09/25/2008	09:30:29	0.087
5814	09/25/2008	09:30:30	0.079
5815	09/25/2008	09:30:31	0.125
5816	09/25/2008	09:30:32	0.132
5817	09/25/2008	09:30:33	0.084
5818	09/25/2008	09:30:34	0.079

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
5819	09/25/2008	09:30:35	0.090
5820	09/25/2008	09:30:36	0.082
5821	09/25/2008	09:30:37	0.088
5822	09/25/2008	09:30:38	0.081
5823	09/25/2008	09:30:39	0.084
5824	09/25/2008	09:30:40	0.091
5825	09/25/2008	09:30:41	0.086
5826	09/25/2008	09:30:42	0.080
5827	09/25/2008	09:30:43	0.085
5828	09/25/2008	09:30:44	0.105
5829	09/25/2008	09:30:45	0.079
5830	09/25/2008	09:30:46	0.088
5831	09/25/2008	09:30:47	0.088
5832	09/25/2008	09:30:48	0.094
5833	09/25/2008	09:30:49	0.080
5834	09/25/2008	09:30:50	0.081
5835	09/25/2008	09:30:51	0.083
5836	09/25/2008	09:30:52	0.081
5837	09/25/2008	09:30:53	0.078
5838	09/25/2008	09:30:54	0.085
5839	09/25/2008	09:30:55	0.079
5840	09/25/2008	09:30:56	0.136
5841	09/25/2008	09:30:57	0.104
5842	09/25/2008	09:30:58	0.086
5843	09/25/2008	09:30:59	0.084
5844	09/25/2008	09:31:00	0.086
5845	09/25/2008	09:31:01	0.091
5846	09/25/2008	09:31:02	0.087
5847	09/25/2008	09:31:03	0.126
5848	09/25/2008	09:31:04	0.087
5849	09/25/2008	09:31:05	0.086
5850	09/25/2008	09:31:06	0.076
5851	09/25/2008	09:31:07	0.084
5852	09/25/2008	09:31:08	0.097
5853	09/25/2008	09:31:09	0.081
5854	09/25/2008	09:31:10	0.082
5855	09/25/2008	09:31:11	0.078
5856	09/25/2008	09:31:12	0.089
5857	09/25/2008	09:31:13	0.083
5858	09/25/2008	09:31:14	0.090
5859	09/25/2008	09:31:15	0.086
5860	09/25/2008	09:31:16	0.084
5861	09/25/2008	09:31:17	0.082
5862	09/25/2008	09:31:18	0.088
5863	09/25/2008	09:31:19	0.079
5864	09/25/2008	09:31:20	0.084
5865	09/25/2008	09:31:21	0.100
5866	09/25/2008	09:31:22	0.082
5867	09/25/2008	09:31:23	0.092
5868	09/25/2008	09:31:24	0.081
5869	09/25/2008	09:31:25	0.082
5870	09/25/2008	09:31:26	0.076
5871	09/25/2008	09:31:27	0.087
5872	09/25/2008	09:31:28	0.083
5873	09/25/2008	09:31:29	0.088

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
5874	09/25/2008	09:31:30	0.084
5875	09/25/2008	09:31:31	0.097
5876	09/25/2008	09:31:32	0.090
5877	09/25/2008	09:31:33	0.083
5878	09/25/2008	09:31:34	0.107
5879	09/25/2008	09:31:35	0.084
5880	09/25/2008	09:31:36	0.085
5881	09/25/2008	09:31:37	0.078
5882	09/25/2008	09:31:38	0.108
5883	09/25/2008	09:31:39	0.083
5884	09/25/2008	09:31:40	0.087
5885	09/25/2008	09:31:41	0.102
5886	09/25/2008	09:31:42	0.090
5887	09/25/2008	09:31:43	0.098
5888	09/25/2008	09:31:44	0.084
5889	09/25/2008	09:31:45	0.079
5890	09/25/2008	09:31:46	0.095
5891	09/25/2008	09:31:47	0.099
5892	09/25/2008	09:31:48	0.086
5893	09/25/2008	09:31:49	0.079
5894	09/25/2008	09:31:50	0.084
5895	09/25/2008	09:31:51	0.080
5896	09/25/2008	09:31:52	0.080
5897	09/25/2008	09:31:53	0.079
5898	09/25/2008	09:31:54	0.087
5899	09/25/2008	09:31:55	0.087
5900	09/25/2008	09:31:56	0.096
5901	09/25/2008	09:31:57	0.085
5902	09/25/2008	09:31:58	0.093
5903	09/25/2008	09:31:59	0.106
5904	09/25/2008	09:32:00	0.086
5905	09/25/2008	09:32:01	0.116
5906	09/25/2008	09:32:02	0.084
5907	09/25/2008	09:32:03	0.082
5908	09/25/2008	09:32:04	0.102
5909	09/25/2008	09:32:05	0.091
5910	09/25/2008	09:32:06	0.101
5911	09/25/2008	09:32:07	0.104
5912	09/25/2008	09:32:08	0.098
5913	09/25/2008	09:32:09	0.080
5914	09/25/2008	09:32:10	0.116
5915	09/25/2008	09:32:11	0.083
5916	09/25/2008	09:32:12	0.108
5917	09/25/2008	09:32:13	0.095
5918	09/25/2008	09:32:14	0.098
5919	09/25/2008	09:32:15	0.088
5920	09/25/2008	09:32:16	0.087
5921	09/25/2008	09:32:17	0.097
5922	09/25/2008	09:32:18	0.089
5923	09/25/2008	09:32:19	0.086
5924	09/25/2008	09:32:20	0.120
5925	09/25/2008	09:32:21	0.077
5926	09/25/2008	09:32:22	0.098
5927	09/25/2008	09:32:23	0.082
5928	09/25/2008	09:32:24	0.100

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
5929	09/25/2008	09:32:25	0.087
5930	09/25/2008	09:32:26	0.089
5931	09/25/2008	09:32:27	0.087
5932	09/25/2008	09:32:28	0.110
5933	09/25/2008	09:32:29	0.097
5934	09/25/2008	09:32:30	0.087
5935	09/25/2008	09:32:31	0.086
5936	09/25/2008	09:32:32	0.104
5937	09/25/2008	09:32:33	0.092
5938	09/25/2008	09:32:34	0.085
5939	09/25/2008	09:32:35	0.143
5940	09/25/2008	09:32:36	0.082
5941	09/25/2008	09:32:37	0.090
5942	09/25/2008	09:32:38	0.091
5943	09/25/2008	09:32:39	0.101
5944	09/25/2008	09:32:40	0.093
5945	09/25/2008	09:32:41	0.092
5946	09/25/2008	09:32:42	0.094
5947	09/25/2008	09:32:43	0.081
5948	09/25/2008	09:32:44	0.082
5949	09/25/2008	09:32:45	0.092
5950	09/25/2008	09:32:46	0.138
5951	09/25/2008	09:32:47	0.092
5952	09/25/2008	09:32:48	0.083
5953	09/25/2008	09:32:49	0.092
5954	09/25/2008	09:32:50	0.095
5955	09/25/2008	09:32:51	0.092
5956	09/25/2008	09:32:52	0.077
5957	09/25/2008	09:32:53	0.085
5958	09/25/2008	09:32:54	0.077
5959	09/25/2008	09:32:55	0.083
5960	09/25/2008	09:32:56	0.078
5961	09/25/2008	09:32:57	0.095
5962	09/25/2008	09:32:58	0.081
5963	09/25/2008	09:32:59	0.089
5964	09/25/2008	09:33:00	0.096
5965	09/25/2008	09:33:01	0.087
5966	09/25/2008	09:33:02	0.082
5967	09/25/2008	09:33:03	0.081
5968	09/25/2008	09:33:04	0.081
5969	09/25/2008	09:33:05	0.093
5970	09/25/2008	09:33:06	0.082
5971	09/25/2008	09:33:07	0.083
5972	09/25/2008	09:33:08	0.080
5973	09/25/2008	09:33:09	0.104
5974	09/25/2008	09:33:10	0.145
5975	09/25/2008	09:33:11	0.103
5976	09/25/2008	09:33:12	0.080
5977	09/25/2008	09:33:13	0.096
5978	09/25/2008	09:33:14	0.098
5979	09/25/2008	09:33:15	0.079
5980	09/25/2008	09:33:16	0.079
5981	09/25/2008	09:33:17	0.088
5982	09/25/2008	09:33:18	0.075
5983	09/25/2008	09:33:19	0.133

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
5984	09/25/2008	09:33:20	0.079
5985	09/25/2008	09:33:21	0.083
5986	09/25/2008	09:33:22	0.088
5987	09/25/2008	09:33:23	0.082
5988	09/25/2008	09:33:24	0.080
5989	09/25/2008	09:33:25	0.074
5990	09/25/2008	09:33:26	0.084
5991	09/25/2008	09:33:27	0.096
5992	09/25/2008	09:33:28	0.079
5993	09/25/2008	09:33:29	0.079
5994	09/25/2008	09:33:30	0.087
5995	09/25/2008	09:33:31	0.078
5996	09/25/2008	09:33:32	0.078
5997	09/25/2008	09:33:33	0.081
5998	09/25/2008	09:33:34	0.108
5999	09/25/2008	09:33:35	0.115
6000	09/25/2008	09:33:36	0.085
6001	09/25/2008	09:33:37	0.126
6002	09/25/2008	09:33:38	0.088
6003	09/25/2008	09:33:39	0.085
6004	09/25/2008	09:33:40	0.078
6005	09/25/2008	09:33:41	0.082
6006	09/25/2008	09:33:42	0.088
6007	09/25/2008	09:33:43	0.083
6008	09/25/2008	09:33:44	0.113
6009	09/25/2008	09:33:45	0.084
6010	09/25/2008	09:33:46	0.089
6011	09/25/2008	09:33:47	0.084
6012	09/25/2008	09:33:48	0.092
6013	09/25/2008	09:33:49	0.110
6014	09/25/2008	09:33:50	0.088
6015	09/25/2008	09:33:51	0.094
6016	09/25/2008	09:33:52	0.084
6017	09/25/2008	09:33:53	0.083
6018	09/25/2008	09:33:54	0.082
6019	09/25/2008	09:33:55	0.082
6020	09/25/2008	09:33:56	0.089
6021	09/25/2008	09:33:57	0.084
6022	09/25/2008	09:33:58	0.082
6023	09/25/2008	09:33:59	0.083
6024	09/25/2008	09:34:00	0.097
6025	09/25/2008	09:34:01	0.084
6026	09/25/2008	09:34:02	0.085
6027	09/25/2008	09:34:03	0.084
6028	09/25/2008	09:34:04	0.087
6029	09/25/2008	09:34:05	0.083
6030	09/25/2008	09:34:06	0.081
6031	09/25/2008	09:34:07	0.092
6032	09/25/2008	09:34:08	0.121
6033	09/25/2008	09:34:09	0.086
6034	09/25/2008	09:34:10	0.093
6035	09/25/2008	09:34:11	0.085
6036	09/25/2008	09:34:12	0.081
6037	09/25/2008	09:34:13	0.090
6038	09/25/2008	09:34:14	0.087



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
6039	09/25/2008	09:34:15	0.092
6040	09/25/2008	09:34:16	0.089
6041	09/25/2008	09:34:17	0.078
6042	09/25/2008	09:34:18	0.079
6043	09/25/2008	09:34:19	0.081
6044	09/25/2008	09:34:20	0.084
6045	09/25/2008	09:34:21	0.077
6046	09/25/2008	09:34:22	0.079
6047	09/25/2008	09:34:23	0.089
6048	09/25/2008	09:34:24	0.086
6049	09/25/2008	09:34:25	0.079
6050	09/25/2008	09:34:26	0.091
6051	09/25/2008	09:34:27	0.086
6052	09/25/2008	09:34:28	0.099
6053	09/25/2008	09:34:29	0.087
6054	09/25/2008	09:34:30	0.087
6055	09/25/2008	09:34:31	0.079
6056	09/25/2008	09:34:32	0.110
6057	09/25/2008	09:34:33	0.078
6058	09/25/2008	09:34:34	0.082
6059	09/25/2008	09:34:35	0.075
6060	09/25/2008	09:34:36	0.080
6061	09/25/2008	09:34:37	0.083
6062	09/25/2008	09:34:38	0.081
6063	09/25/2008	09:34:39	0.074
6064	09/25/2008	09:34:40	0.121
6065	09/25/2008	09:34:41	0.078
6066	09/25/2008	09:34:42	0.075
6067	09/25/2008	09:34:43	0.082
6068	09/25/2008	09:34:44	0.095
6069	09/25/2008	09:34:45	0.081
6070	09/25/2008	09:34:46	0.082
6071	09/25/2008	09:34:47	0.076
6072	09/25/2008	09:34:48	0.078
6073	09/25/2008	09:34:49	0.091
6074	09/25/2008	09:34:50	0.096
6075	09/25/2008	09:34:51	0.082
6076	09/25/2008	09:34:52	0.075
6077	09/25/2008	09:34:53	0.079
6078	09/25/2008	09:34:54	0.119
6079	09/25/2008	09:34:55	0.082
6080	09/25/2008	09:34:56	0.101
6081	09/25/2008	09:34:57	0.086
6082	09/25/2008	09:34:58	0.089
6083	09/25/2008	09:34:59	0.074
6084	09/25/2008	09:35:00	0.080
6085	09/25/2008	09:35:01	0.082
6086	09/25/2008	09:35:02	0.084
6087	09/25/2008	09:35:03	0.092
6088	09/25/2008	09:35:04	0.077
6089	09/25/2008	09:35:05	0.100
6090	09/25/2008	09:35:06	0.087
6091	09/25/2008	09:35:07	0.079
6092	09/25/2008	09:35:08	0.093
6093	09/25/2008	09:35:09	0.101

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
6094	09/25/2008	09:35:10	0.085
6095	09/25/2008	09:35:11	0.075
6096	09/25/2008	09:35:12	0.084
6097	09/25/2008	09:35:13	0.079
6098	09/25/2008	09:35:14	0.080
6099	09/25/2008	09:35:15	0.092
6100	09/25/2008	09:35:16	0.082
6101	09/25/2008	09:35:17	0.099
6102	09/25/2008	09:35:18	0.086
6103	09/25/2008	09:35:19	0.087
6104	09/25/2008	09:35:20	0.081
6105	09/25/2008	09:35:21	0.105
6106	09/25/2008	09:35:22	0.080
6107	09/25/2008	09:35:23	0.080
6108	09/25/2008	09:35:24	0.085
6109	09/25/2008	09:35:25	0.091
6110	09/25/2008	09:35:26	0.087
6111	09/25/2008	09:35:27	0.085
6112	09/25/2008	09:35:28	0.081
6113	09/25/2008	09:35:29	0.115
6114	09/25/2008	09:35:30	0.116
6115	09/25/2008	09:35:31	0.155
6116	09/25/2008	09:35:32	0.085
6117	09/25/2008	09:35:33	0.081
6118	09/25/2008	09:35:34	0.085
6119	09/25/2008	09:35:35	0.078
6120	09/25/2008	09:35:36	0.077
6121	09/25/2008	09:35:37	0.085
6122	09/25/2008	09:35:38	0.094
6123	09/25/2008	09:35:39	0.090
6124	09/25/2008	09:35:40	0.091
6125	09/25/2008	09:35:41	0.093
6126	09/25/2008	09:35:42	0.084
6127	09/25/2008	09:35:43	0.088
6128	09/25/2008	09:35:44	0.088
6129	09/25/2008	09:35:45	0.088
6130	09/25/2008	09:35:46	0.093
6131	09/25/2008	09:35:47	0.081
6132	09/25/2008	09:35:48	0.079
6133	09/25/2008	09:35:49	0.076
6134	09/25/2008	09:35:50	0.090
6135	09/25/2008	09:35:51	0.086
6136	09/25/2008	09:35:52	0.080
6137	09/25/2008	09:35:53	0.083
6138	09/25/2008	09:35:54	0.080
6139	09/25/2008	09:35:55	0.093
6140	09/25/2008	09:35:56	0.080
6141	09/25/2008	09:35:57	0.094
6142	09/25/2008	09:35:58	0.084
6143	09/25/2008	09:35:59	0.117
6144	09/25/2008	09:36:00	0.083
6145	09/25/2008	09:36:01	0.082
6146	09/25/2008	09:36:02	0.084
6147	09/25/2008	09:36:03	0.083
6148	09/25/2008	09:36:04	0.080

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
6149	09/25/2008	09:36:05	0.075
6150	09/25/2008	09:36:06	0.100
6151	09/25/2008	09:36:07	0.112
6152	09/25/2008	09:36:08	0.103
6153	09/25/2008	09:36:09	0.081
6154	09/25/2008	09:36:10	0.103
6155	09/25/2008	09:36:11	0.088
6156	09/25/2008	09:36:12	0.087
6157	09/25/2008	09:36:13	0.098
6158	09/25/2008	09:36:14	0.107
6159	09/25/2008	09:36:15	0.084
6160	09/25/2008	09:36:16	0.077
6161	09/25/2008	09:36:17	0.084
6162	09/25/2008	09:36:18	0.087
6163	09/25/2008	09:36:19	0.093
6164	09/25/2008	09:36:20	0.102
6165	09/25/2008	09:36:21	0.079
6166	09/25/2008	09:36:22	0.093
6167	09/25/2008	09:36:23	0.115
6168	09/25/2008	09:36:24	0.114
6169	09/25/2008	09:36:25	0.138
6170	09/25/2008	09:36:26	0.085
6171	09/25/2008	09:36:27	0.079
6172	09/25/2008	09:36:28	0.083
6173	09/25/2008	09:36:29	0.085
6174	09/25/2008	09:36:30	0.091
6175	09/25/2008	09:36:31	0.077
6176	09/25/2008	09:36:32	0.093
6177	09/25/2008	09:36:33	0.081
6178	09/25/2008	09:36:34	0.085
6179	09/25/2008	09:36:35	0.087
6180	09/25/2008	09:36:36	0.088
6181	09/25/2008	09:36:37	0.090
6182	09/25/2008	09:36:38	0.127
6183	09/25/2008	09:36:39	0.085
6184	09/25/2008	09:36:40	0.085
6185	09/25/2008	09:36:41	0.087
6186	09/25/2008	09:36:42	0.078
6187	09/25/2008	09:36:43	0.107
6188	09/25/2008	09:36:44	0.091
6189	09/25/2008	09:36:45	0.090
6190	09/25/2008	09:36:46	0.084
6191	09/25/2008	09:36:47	0.087
6192	09/25/2008	09:36:48	0.097
6193	09/25/2008	09:36:49	0.100
6194	09/25/2008	09:36:50	0.080
6195	09/25/2008	09:36:51	0.082
6196	09/25/2008	09:36:52	0.093
6197	09/25/2008	09:36:53	0.078
6198	09/25/2008	09:36:54	0.085
6199	09/25/2008	09:36:55	0.085
6200	09/25/2008	09:36:56	0.078
6201	09/25/2008	09:36:57	0.082
6202	09/25/2008	09:36:58	0.088
6203	09/25/2008	09:36:59	0.082

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
6204	09/25/2008	09:37:00	0.077
6205	09/25/2008	09:37:01	0.078
6206	09/25/2008	09:37:02	0.080
6207	09/25/2008	09:37:03	0.088
6208	09/25/2008	09:37:04	0.082
6209	09/25/2008	09:37:05	0.081
6210	09/25/2008	09:37:06	0.094
6211	09/25/2008	09:37:07	0.088
6212	09/25/2008	09:37:08	0.078
6213	09/25/2008	09:37:09	0.089
6214	09/25/2008	09:37:10	0.089
6215	09/25/2008	09:37:11	0.082
6216	09/25/2008	09:37:12	0.097
6217	09/25/2008	09:37:13	0.077
6218	09/25/2008	09:37:14	0.089
6219	09/25/2008	09:37:15	0.086
6220	09/25/2008	09:37:16	0.080
6221	09/25/2008	09:37:17	0.080
6222	09/25/2008	09:37:18	0.087
6223	09/25/2008	09:37:19	0.093
6224	09/25/2008	09:37:20	0.083
6225	09/25/2008	09:37:21	0.080
6226	09/25/2008	09:37:22	0.078
6227	09/25/2008	09:37:23	0.077
6228	09/25/2008	09:37:24	0.084
6229	09/25/2008	09:37:25	0.100
6230	09/25/2008	09:37:26	0.093
6231	09/25/2008	09:37:27	0.085
6232	09/25/2008	09:37:28	0.083
6233	09/25/2008	09:37:29	0.088
6234	09/25/2008	09:37:30	0.085
6235	09/25/2008	09:37:31	0.092
6236	09/25/2008	09:37:32	0.090
6237	09/25/2008	09:37:33	0.085
6238	09/25/2008	09:37:34	0.077
6239	09/25/2008	09:37:35	0.078
6240	09/25/2008	09:37:36	0.082
6241	09/25/2008	09:37:37	0.081
6242	09/25/2008	09:37:38	0.076
6243	09/25/2008	09:37:39	0.083
6244	09/25/2008	09:37:40	0.081
6245	09/25/2008	09:37:41	0.082
6246	09/25/2008	09:37:42	0.114
6247	09/25/2008	09:37:43	0.094
6248	09/25/2008	09:37:44	0.088
6249	09/25/2008	09:37:45	0.087
6250	09/25/2008	09:37:46	0.079
6251	09/25/2008	09:37:47	0.105
6252	09/25/2008	09:37:48	0.084
6253	09/25/2008	09:37:49	0.082
6254	09/25/2008	09:37:50	0.085
6255	09/25/2008	09:37:51	0.080
6256	09/25/2008	09:37:52	0.085
6257	09/25/2008	09:37:53	0.083
6258	09/25/2008	09:37:54	0.084

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
6259	09/25/2008	09:37:55	0.094
6260	09/25/2008	09:37:56	0.081
6261	09/25/2008	09:37:57	0.074
6262	09/25/2008	09:37:58	0.100
6263	09/25/2008	09:37:59	0.086
6264	09/25/2008	09:38:00	0.080
6265	09/25/2008	09:38:01	0.086
6266	09/25/2008	09:38:02	0.080
6267	09/25/2008	09:38:03	0.081
6268	09/25/2008	09:38:04	0.084
6269	09/25/2008	09:38:05	0.084
6270	09/25/2008	09:38:06	0.118
6271	09/25/2008	09:38:07	0.074
6272	09/25/2008	09:38:08	0.128
6273	09/25/2008	09:38:09	0.082
6274	09/25/2008	09:38:10	0.083
6275	09/25/2008	09:38:11	0.082
6276	09/25/2008	09:38:12	0.087
6277	09/25/2008	09:38:13	0.088
6278	09/25/2008	09:38:14	0.079
6279	09/25/2008	09:38:15	0.086
6280	09/25/2008	09:38:16	0.088
6281	09/25/2008	09:38:17	0.091
6282	09/25/2008	09:38:18	0.090
6283	09/25/2008	09:38:19	0.091
6284	09/25/2008	09:38:20	0.093
6285	09/25/2008	09:38:21	0.092
6286	09/25/2008	09:38:22	0.098
6287	09/25/2008	09:38:23	0.081
6288	09/25/2008	09:38:24	0.078
6289	09/25/2008	09:38:25	0.089
6290	09/25/2008	09:38:26	0.112
6291	09/25/2008	09:38:27	0.104
6292	09/25/2008	09:38:28	0.081
6293	09/25/2008	09:38:29	0.081
6294	09/25/2008	09:38:30	0.083
6295	09/25/2008	09:38:31	0.100
6296	09/25/2008	09:38:32	0.073
6297	09/25/2008	09:38:33	0.081
6298	09/25/2008	09:38:34	0.103
6299	09/25/2008	09:38:35	0.075
6300	09/25/2008	09:38:36	0.096
6301	09/25/2008	09:38:37	0.091
6302	09/25/2008	09:38:38	0.077
6303	09/25/2008	09:38:39	0.079
6304	09/25/2008	09:38:40	0.080
6305	09/25/2008	09:38:41	0.081
6306	09/25/2008	09:38:42	0.083
6307	09/25/2008	09:38:43	0.076
6308	09/25/2008	09:38:44	0.163
6309	09/25/2008	09:38:45	0.093
6310	09/25/2008	09:38:46	0.087
6311	09/25/2008	09:38:47	0.104
6312	09/25/2008	09:38:48	0.089
6313	09/25/2008	09:38:49	0.084

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
6314	09/25/2008	09:38:50	0.082
6315	09/25/2008	09:38:51	0.090
6316	09/25/2008	09:38:52	0.087
6317	09/25/2008	09:38:53	0.081
6318	09/25/2008	09:38:54	0.078
6319	09/25/2008	09:38:55	0.085
6320	09/25/2008	09:38:56	0.080
6321	09/25/2008	09:38:57	0.082
6322	09/25/2008	09:38:58	0.084
6323	09/25/2008	09:38:59	0.078
6324	09/25/2008	09:39:00	0.105
6325	09/25/2008	09:39:01	0.095
6326	09/25/2008	09:39:02	0.074
6327	09/25/2008	09:39:03	0.085
6328	09/25/2008	09:39:04	0.082
6329	09/25/2008	09:39:05	0.075
6330	09/25/2008	09:39:06	0.088
6331	09/25/2008	09:39:07	0.086
6332	09/25/2008	09:39:08	0.075
6333	09/25/2008	09:39:09	0.077
6334	09/25/2008	09:39:10	0.073
6335	09/25/2008	09:39:11	0.080
6336	09/25/2008	09:39:12	0.077
6337	09/25/2008	09:39:13	0.082
6338	09/25/2008	09:39:14	0.078
6339	09/25/2008	09:39:15	0.083
6340	09/25/2008	09:39:16	0.091
6341	09/25/2008	09:39:17	0.078
6342	09/25/2008	09:39:18	0.074
6343	09/25/2008	09:39:19	0.077
6344	09/25/2008	09:39:20	0.080
6345	09/25/2008	09:39:21	0.077
6346	09/25/2008	09:39:22	0.085
6347	09/25/2008	09:39:23	0.089
6348	09/25/2008	09:39:24	0.076
6349	09/25/2008	09:39:25	0.079
6350	09/25/2008	09:39:26	0.074
6351	09/25/2008	09:39:27	0.082
6352	09/25/2008	09:39:28	0.081
6353	09/25/2008	09:39:29	0.080
6354	09/25/2008	09:39:30	0.084
6355	09/25/2008	09:39:31	0.078
6356	09/25/2008	09:39:32	0.075
6357	09/25/2008	09:39:33	0.074
6358	09/25/2008	09:39:34	0.091
6359	09/25/2008	09:39:35	0.076
6360	09/25/2008	09:39:36	0.120
6361	09/25/2008	09:39:37	0.073
6362	09/25/2008	09:39:38	0.076
6363	09/25/2008	09:39:39	0.072
6364	09/25/2008	09:39:40	0.084
6365	09/25/2008	09:39:41	0.074
6366	09/25/2008	09:39:42	0.079
6367	09/25/2008	09:39:43	0.078
6368	09/25/2008	09:39:44	0.074

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
6369	09/25/2008	09:39:45	0.083
6370	09/25/2008	09:39:46	0.082
6371	09/25/2008	09:39:47	0.079
6372	09/25/2008	09:39:48	0.077
6373	09/25/2008	09:39:49	0.086
6374	09/25/2008	09:39:50	0.087
6375	09/25/2008	09:39:51	0.085
6376	09/25/2008	09:39:52	0.082
6377	09/25/2008	09:39:53	0.073
6378	09/25/2008	09:39:54	0.075
6379	09/25/2008	09:39:55	0.076
6380	09/25/2008	09:39:56	0.093
6381	09/25/2008	09:39:57	0.133
6382	09/25/2008	09:39:58	0.072
6383	09/25/2008	09:39:59	0.070
6384	09/25/2008	09:40:00	0.100
6385	09/25/2008	09:40:01	0.075
6386	09/25/2008	09:40:02	0.072
6387	09/25/2008	09:40:03	0.079
6388	09/25/2008	09:40:04	0.083
6389	09/25/2008	09:40:05	0.074
6390	09/25/2008	09:40:06	0.078
6391	09/25/2008	09:40:07	0.086
6392	09/25/2008	09:40:08	0.071
6393	09/25/2008	09:40:09	0.078
6394	09/25/2008	09:40:10	0.132
6395	09/25/2008	09:40:11	0.079
6396	09/25/2008	09:40:12	0.071
6397	09/25/2008	09:40:13	0.082
6398	09/25/2008	09:40:14	0.073
6399	09/25/2008	09:40:15	0.086
6400	09/25/2008	09:40:16	0.099
6401	09/25/2008	09:40:17	0.087
6402	09/25/2008	09:40:18	0.093
6403	09/25/2008	09:40:19	0.080
6404	09/25/2008	09:40:20	0.081
6405	09/25/2008	09:40:21	0.084
6406	09/25/2008	09:40:22	0.078
6407	09/25/2008	09:40:23	0.097
6408	09/25/2008	09:40:24	0.085
6409	09/25/2008	09:40:25	0.216
6410	09/25/2008	09:40:26	0.082
6411	09/25/2008	09:40:27	0.079
6412	09/25/2008	09:40:28	0.077
6413	09/25/2008	09:40:29	0.087
6414	09/25/2008	09:40:30	0.081
6415	09/25/2008	09:40:31	0.086
6416	09/25/2008	09:40:32	0.093
6417	09/25/2008	09:40:33	0.079
6418	09/25/2008	09:40:34	0.094
6419	09/25/2008	09:40:35	0.080
6420	09/25/2008	09:40:36	0.080
6421	09/25/2008	09:40:37	0.127
6422	09/25/2008	09:40:38	0.089
6423	09/25/2008	09:40:39	0.087

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
6424	09/25/2008	09:40:40	0.075
6425	09/25/2008	09:40:41	0.081
6426	09/25/2008	09:40:42	0.080
6427	09/25/2008	09:40:43	0.083
6428	09/25/2008	09:40:44	0.077
6429	09/25/2008	09:40:45	0.082
6430	09/25/2008	09:40:46	0.076
6431	09/25/2008	09:40:47	0.077
6432	09/25/2008	09:40:48	0.082
6433	09/25/2008	09:40:49	0.075
6434	09/25/2008	09:40:50	0.083
6435	09/25/2008	09:40:51	0.095
6436	09/25/2008	09:40:52	0.098
6437	09/25/2008	09:40:53	0.077
6438	09/25/2008	09:40:54	0.109
6439	09/25/2008	09:40:55	0.093
6440	09/25/2008	09:40:56	0.077
6441	09/25/2008	09:40:57	1.490
6442	09/25/2008	09:40:58	0.124
6443	09/25/2008	09:40:59	0.082
6444	09/25/2008	09:41:00	0.082
6445	09/25/2008	09:41:01	0.092
6446	09/25/2008	09:41:02	0.084
6447	09/25/2008	09:41:03	0.081
6448	09/25/2008	09:41:04	0.200
6449	09/25/2008	09:41:05	0.106
6450	09/25/2008	09:41:06	0.099
6451	09/25/2008	09:41:07	0.099
6452	09/25/2008	09:41:08	0.082
6453	09/25/2008	09:41:09	0.080
6454	09/25/2008	09:41:10	0.079
6455	09/25/2008	09:41:11	0.074
6456	09/25/2008	09:41:12	0.074
6457	09/25/2008	09:41:13	0.075
6458	09/25/2008	09:41:14	0.079
6459	09/25/2008	09:41:15	0.080
6460	09/25/2008	09:41:16	0.083
6461	09/25/2008	09:41:17	0.072
6462	09/25/2008	09:41:18	0.077
6463	09/25/2008	09:41:19	0.090
6464	09/25/2008	09:41:20	0.078
6465	09/25/2008	09:41:21	0.087
6466	09/25/2008	09:41:22	0.097
6467	09/25/2008	09:41:23	0.075
6468	09/25/2008	09:41:24	0.079
6469	09/25/2008	09:41:25	0.077
6470	09/25/2008	09:41:26	0.096
6471	09/25/2008	09:41:27	0.076
6472	09/25/2008	09:41:28	0.080
6473	09/25/2008	09:41:29	0.077
6474	09/25/2008	09:41:30	0.089
6475	09/25/2008	09:41:31	0.075
6476	09/25/2008	09:41:32	0.077
6477	09/25/2008	09:41:33	0.072
6478	09/25/2008	09:41:34	0.116



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
6479	09/25/2008	09:41:35	0.079
6480	09/25/2008	09:41:36	0.095
6481	09/25/2008	09:41:37	0.088
6482	09/25/2008	09:41:38	0.078
6483	09/25/2008	09:41:39	0.072
6484	09/25/2008	09:41:40	0.079
6485	09/25/2008	09:41:41	0.075
6486	09/25/2008	09:41:42	0.088
6487	09/25/2008	09:41:43	0.083
6488	09/25/2008	09:41:44	0.071
6489	09/25/2008	09:41:45	0.076
6490	09/25/2008	09:41:46	0.080
6491	09/25/2008	09:41:47	0.079
6492	09/25/2008	09:41:48	0.076
6493	09/25/2008	09:41:49	0.076
6494	09/25/2008	09:41:50	0.073
6495	09/25/2008	09:41:51	0.079
6496	09/25/2008	09:41:52	0.075
6497	09/25/2008	09:41:53	0.075
6498	09/25/2008	09:41:54	0.081
6499	09/25/2008	09:41:55	0.080
6500	09/25/2008	09:41:56	0.076
6501	09/25/2008	09:41:57	0.089
6502	09/25/2008	09:41:58	0.085
6503	09/25/2008	09:41:59	0.074
6504	09/25/2008	09:42:00	0.076
6505	09/25/2008	09:42:01	0.082
6506	09/25/2008	09:42:02	0.081
6507	09/25/2008	09:42:03	0.081
6508	09/25/2008	09:42:04	0.151
6509	09/25/2008	09:42:05	0.077
6510	09/25/2008	09:42:06	0.089
6511	09/25/2008	09:42:07	0.085
6512	09/25/2008	09:42:08	0.091
6513	09/25/2008	09:42:09	0.073
6514	09/25/2008	09:42:10	0.082
6515	09/25/2008	09:42:11	0.076
6516	09/25/2008	09:42:12	0.075
6517	09/25/2008	09:42:13	0.086
6518	09/25/2008	09:42:14	0.108
6519	09/25/2008	09:42:15	0.075
6520	09/25/2008	09:42:16	0.075
6521	09/25/2008	09:42:17	0.074
6522	09/25/2008	09:42:18	0.075
6523	09/25/2008	09:42:19	0.075
6524	09/25/2008	09:42:20	0.092
6525	09/25/2008	09:42:21	0.082
6526	09/25/2008	09:42:22	0.071
6527	09/25/2008	09:42:23	0.080
6528	09/25/2008	09:42:24	0.076
6529	09/25/2008	09:42:25	0.070
6530	09/25/2008	09:42:26	0.075
6531	09/25/2008	09:42:27	0.073
6532	09/25/2008	09:42:28	0.083
6533	09/25/2008	09:42:29	0.073

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
6534	09/25/2008	09:42:30	0.077
6535	09/25/2008	09:42:31	0.083
6536	09/25/2008	09:42:32	0.083
6537	09/25/2008	09:42:33	0.071
6538	09/25/2008	09:42:34	0.136
6539	09/25/2008	09:42:35	0.075
6540	09/25/2008	09:42:36	0.069
6541	09/25/2008	09:42:37	0.076
6542	09/25/2008	09:42:38	0.081
6543	09/25/2008	09:42:39	0.075
6544	09/25/2008	09:42:40	0.076
6545	09/25/2008	09:42:41	0.075
6546	09/25/2008	09:42:42	0.077
6547	09/25/2008	09:42:43	0.095
6548	09/25/2008	09:42:44	0.079
6549	09/25/2008	09:42:45	0.079
6550	09/25/2008	09:42:46	0.075
6551	09/25/2008	09:42:47	0.095
6552	09/25/2008	09:42:48	0.086
6553	09/25/2008	09:42:49	0.072
6554	09/25/2008	09:42:50	0.093
6555	09/25/2008	09:42:51	0.082
6556	09/25/2008	09:42:52	0.074
6557	09/25/2008	09:42:53	0.075
6558	09/25/2008	09:42:54	0.071
6559	09/25/2008	09:42:55	0.079
6560	09/25/2008	09:42:56	0.072
6561	09/25/2008	09:42:57	0.073
6562	09/25/2008	09:42:58	0.074
6563	09/25/2008	09:42:59	0.091
6564	09/25/2008	09:43:00	0.076
6565	09/25/2008	09:43:01	0.075
6566	09/25/2008	09:43:02	0.075
6567	09/25/2008	09:43:03	0.100
6568	09/25/2008	09:43:04	0.081
6569	09/25/2008	09:43:05	0.073
6570	09/25/2008	09:43:06	0.097
6571	09/25/2008	09:43:07	0.078
6572	09/25/2008	09:43:08	0.108
6573	09/25/2008	09:43:09	0.077
6574	09/25/2008	09:43:10	0.073
6575	09/25/2008	09:43:11	0.075
6576	09/25/2008	09:43:12	0.076
6577	09/25/2008	09:43:13	0.081
6578	09/25/2008	09:43:14	0.076
6579	09/25/2008	09:43:15	0.078
6580	09/25/2008	09:43:16	0.089
6581	09/25/2008	09:43:17	0.074
6582	09/25/2008	09:43:18	0.168
6583	09/25/2008	09:43:19	0.075
6584	09/25/2008	09:43:20	0.087
6585	09/25/2008	09:43:21	0.076
6586	09/25/2008	09:43:22	0.073
6587	09/25/2008	09:43:23	0.079
6588	09/25/2008	09:43:24	0.078

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
6589	09/25/2008	09:43:25	0.068
6590	09/25/2008	09:43:26	0.073
6591	09/25/2008	09:43:27	0.073
6592	09/25/2008	09:43:28	0.077
6593	09/25/2008	09:43:29	0.071
6594	09/25/2008	09:43:30	0.073
6595	09/25/2008	09:43:31	0.074
6596	09/25/2008	09:43:32	0.072
6597	09/25/2008	09:43:33	0.091
6598	09/25/2008	09:43:34	0.074
6599	09/25/2008	09:43:35	0.072
6600	09/25/2008	09:43:36	0.081
6601	09/25/2008	09:43:37	0.075
6602	09/25/2008	09:43:38	0.081
6603	09/25/2008	09:43:39	0.074
6604	09/25/2008	09:43:40	0.075
6605	09/25/2008	09:43:41	0.081
6606	09/25/2008	09:43:42	0.077
6607	09/25/2008	09:43:43	0.076
6608	09/25/2008	09:43:44	0.082
6609	09/25/2008	09:43:45	0.072
6610	09/25/2008	09:43:46	0.075
6611	09/25/2008	09:43:47	0.071
6612	09/25/2008	09:43:48	0.088
6613	09/25/2008	09:43:49	0.091
6614	09/25/2008	09:43:50	0.078
6615	09/25/2008	09:43:51	0.077
6616	09/25/2008	09:43:52	0.067
6617	09/25/2008	09:43:53	0.095
6618	09/25/2008	09:43:54	0.070
6619	09/25/2008	09:43:55	0.087
6620	09/25/2008	09:43:56	0.080
6621	09/25/2008	09:43:57	0.088
6622	09/25/2008	09:43:58	0.071
6623	09/25/2008	09:43:59	0.073
6624	09/25/2008	09:44:00	0.068
6625	09/25/2008	09:44:01	0.073
6626	09/25/2008	09:44:02	0.081
6627	09/25/2008	09:44:03	0.088
6628	09/25/2008	09:44:04	0.071
6629	09/25/2008	09:44:05	0.080
6630	09/25/2008	09:44:06	0.074
6631	09/25/2008	09:44:07	0.096
6632	09/25/2008	09:44:08	0.075
6633	09/25/2008	09:44:09	0.074
6634	09/25/2008	09:44:10	0.110
6635	09/25/2008	09:44:11	0.070
6636	09/25/2008	09:44:12	0.073
6637	09/25/2008	09:44:13	0.079
6638	09/25/2008	09:44:14	0.076
6639	09/25/2008	09:44:15	0.077
6640	09/25/2008	09:44:16	0.077
6641	09/25/2008	09:44:17	0.076
6642	09/25/2008	09:44:18	0.074
6643	09/25/2008	09:44:19	0.073

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
6644	09/25/2008	09:44:20	0.071
6645	09/25/2008	09:44:21	0.078
6646	09/25/2008	09:44:22	0.076
6647	09/25/2008	09:44:23	0.084
6648	09/25/2008	09:44:24	0.076
6649	09/25/2008	09:44:25	0.091
6650	09/25/2008	09:44:26	0.082
6651	09/25/2008	09:44:27	0.071
6652	09/25/2008	09:44:28	0.077
6653	09/25/2008	09:44:29	0.085
6654	09/25/2008	09:44:30	0.084
6655	09/25/2008	09:44:31	0.080
6656	09/25/2008	09:44:32	0.075
6657	09/25/2008	09:44:33	0.079
6658	09/25/2008	09:44:34	0.072
6659	09/25/2008	09:44:35	0.072
6660	09/25/2008	09:44:36	0.079
6661	09/25/2008	09:44:37	0.080
6662	09/25/2008	09:44:38	0.075
6663	09/25/2008	09:44:39	0.072
6664	09/25/2008	09:44:40	0.078
6665	09/25/2008	09:44:41	0.074
6666	09/25/2008	09:44:42	0.080
6667	09/25/2008	09:44:43	0.081
6668	09/25/2008	09:44:44	0.075
6669	09/25/2008	09:44:45	0.074
6670	09/25/2008	09:44:46	0.082
6671	09/25/2008	09:44:47	0.080
6672	09/25/2008	09:44:48	0.070
6673	09/25/2008	09:44:49	0.072
6674	09/25/2008	09:44:50	0.091
6675	09/25/2008	09:44:51	0.074
6676	09/25/2008	09:44:52	0.076
6677	09/25/2008	09:44:53	0.076
6678	09/25/2008	09:44:54	0.071
6679	09/25/2008	09:44:55	0.075
6680	09/25/2008	09:44:56	0.074
6681	09/25/2008	09:44:57	0.098
6682	09/25/2008	09:44:58	0.074
6683	09/25/2008	09:44:59	0.082
6684	09/25/2008	09:45:00	0.075
6685	09/25/2008	09:45:01	0.076
6686	09/25/2008	09:45:02	0.078
6687	09/25/2008	09:45:03	0.078
6688	09/25/2008	09:45:04	0.071
6689	09/25/2008	09:45:05	0.077
6690	09/25/2008	09:45:06	0.076
6691	09/25/2008	09:45:07	0.077
6692	09/25/2008	09:45:08	0.079
6693	09/25/2008	09:45:09	0.077
6694	09/25/2008	09:45:10	0.073
6695	09/25/2008	09:45:11	0.097
6696	09/25/2008	09:45:12	0.080
6697	09/25/2008	09:45:13	0.079
6698	09/25/2008	09:45:14	0.089

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
6699	09/25/2008	09:45:15	0.070
6700	09/25/2008	09:45:16	0.075
6701	09/25/2008	09:45:17	0.081
6702	09/25/2008	09:45:18	0.078
6703	09/25/2008	09:45:19	0.078
6704	09/25/2008	09:45:20	0.083
6705	09/25/2008	09:45:21	0.079
6706	09/25/2008	09:45:22	0.138
6707	09/25/2008	09:45:23	0.078
6708	09/25/2008	09:45:24	0.074
6709	09/25/2008	09:45:25	0.072
6710	09/25/2008	09:45:26	0.079
6711	09/25/2008	09:45:27	0.073
6712	09/25/2008	09:45:28	0.088
6713	09/25/2008	09:45:29	0.075
6714	09/25/2008	09:45:30	0.079
6715	09/25/2008	09:45:31	0.082
6716	09/25/2008	09:45:32	0.085
6717	09/25/2008	09:45:33	0.078
6718	09/25/2008	09:45:34	0.089
6719	09/25/2008	09:45:35	0.089
6720	09/25/2008	09:45:36	0.080
6721	09/25/2008	09:45:37	0.076
6722	09/25/2008	09:45:38	0.115
6723	09/25/2008	09:45:39	0.080
6724	09/25/2008	09:45:40	0.090
6725	09/25/2008	09:45:41	0.077
6726	09/25/2008	09:45:42	0.073
6727	09/25/2008	09:45:43	0.078
6728	09/25/2008	09:45:44	0.082
6729	09/25/2008	09:45:45	0.078
6730	09/25/2008	09:45:46	0.071
6731	09/25/2008	09:45:47	0.082
6732	09/25/2008	09:45:48	0.071
6733	09/25/2008	09:45:49	0.074
6734	09/25/2008	09:45:50	0.074
6735	09/25/2008	09:45:51	0.072
6736	09/25/2008	09:45:52	0.076
6737	09/25/2008	09:45:53	0.075
6738	09/25/2008	09:45:54	0.081
6739	09/25/2008	09:45:55	0.076
6740	09/25/2008	09:45:56	0.091
6741	09/25/2008	09:45:57	0.097
6742	09/25/2008	09:45:58	0.071
6743	09/25/2008	09:45:59	0.086
6744	09/25/2008	09:46:00	0.083
6745	09/25/2008	09:46:01	0.074
6746	09/25/2008	09:46:02	0.084
6747	09/25/2008	09:46:03	0.075
6748	09/25/2008	09:46:04	0.075
6749	09/25/2008	09:46:05	0.078
6750	09/25/2008	09:46:06	0.077
6751	09/25/2008	09:46:07	0.068
6752	09/25/2008	09:46:08	0.078
6753	09/25/2008	09:46:09	0.073

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
6754	09/25/2008	09:46:10	0.072
6755	09/25/2008	09:46:11	0.073
6756	09/25/2008	09:46:12	0.069
6757	09/25/2008	09:46:13	0.078
6758	09/25/2008	09:46:14	0.085
6759	09/25/2008	09:46:15	0.084
6760	09/25/2008	09:46:16	0.070
6761	09/25/2008	09:46:17	0.076
6762	09/25/2008	09:46:18	0.079
6763	09/25/2008	09:46:19	0.076
6764	09/25/2008	09:46:20	0.075
6765	09/25/2008	09:46:21	0.079
6766	09/25/2008	09:46:22	0.077
6767	09/25/2008	09:46:23	0.070
6768	09/25/2008	09:46:24	0.124
6769	09/25/2008	09:46:25	0.077
6770	09/25/2008	09:46:26	0.072
6771	09/25/2008	09:46:27	0.076
6772	09/25/2008	09:46:28	0.073
6773	09/25/2008	09:46:29	0.079
6774	09/25/2008	09:46:30	0.071
6775	09/25/2008	09:46:31	0.088
6776	09/25/2008	09:46:32	0.071
6777	09/25/2008	09:46:33	0.076
6778	09/25/2008	09:46:34	0.083
6779	09/25/2008	09:46:35	0.075
6780	09/25/2008	09:46:36	0.077
6781	09/25/2008	09:46:37	0.086
6782	09/25/2008	09:46:38	0.072
6783	09/25/2008	09:46:39	0.075
6784	09/25/2008	09:46:40	0.078
6785	09/25/2008	09:46:41	0.072
6786	09/25/2008	09:46:42	0.074
6787	09/25/2008	09:46:43	0.076
6788	09/25/2008	09:46:44	0.078
6789	09/25/2008	09:46:45	0.071
6790	09/25/2008	09:46:46	0.074
6791	09/25/2008	09:46:47	0.082
6792	09/25/2008	09:46:48	0.072
6793	09/25/2008	09:46:49	0.080
6794	09/25/2008	09:46:50	0.071
6795	09/25/2008	09:46:51	0.076
6796	09/25/2008	09:46:52	0.081
6797	09/25/2008	09:46:53	0.068
6798	09/25/2008	09:46:54	0.081
6799	09/25/2008	09:46:55	0.092
6800	09/25/2008	09:46:56	0.081
6801	09/25/2008	09:46:57	0.074
6802	09/25/2008	09:46:58	0.076
6803	09/25/2008	09:46:59	0.078
6804	09/25/2008	09:47:00	0.083
6805	09/25/2008	09:47:01	0.081
6806	09/25/2008	09:47:02	0.069
6807	09/25/2008	09:47:03	0.084
6808	09/25/2008	09:47:04	0.081

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
6809	09/25/2008	09:47:05	0.080
6810	09/25/2008	09:47:06	0.086
6811	09/25/2008	09:47:07	0.073
6812	09/25/2008	09:47:08	0.069
6813	09/25/2008	09:47:09	0.082
6814	09/25/2008	09:47:10	0.094
6815	09/25/2008	09:47:11	0.072
6816	09/25/2008	09:47:12	0.076
6817	09/25/2008	09:47:13	0.105
6818	09/25/2008	09:47:14	0.083
6819	09/25/2008	09:47:15	0.073
6820	09/25/2008	09:47:16	0.076
6821	09/25/2008	09:47:17	0.081
6822	09/25/2008	09:47:18	0.077
6823	09/25/2008	09:47:19	0.072
6824	09/25/2008	09:47:20	0.079
6825	09/25/2008	09:47:21	0.075
6826	09/25/2008	09:47:22	0.077
6827	09/25/2008	09:47:23	0.080
6828	09/25/2008	09:47:24	0.074
6829	09/25/2008	09:47:25	0.071
6830	09/25/2008	09:47:26	0.073
6831	09/25/2008	09:47:27	0.077
6832	09/25/2008	09:47:28	0.071
6833	09/25/2008	09:47:29	0.089
6834	09/25/2008	09:47:30	0.075
6835	09/25/2008	09:47:31	0.079
6836	09/25/2008	09:47:32	0.075
6837	09/25/2008	09:47:33	0.080
6838	09/25/2008	09:47:34	0.080
6839	09/25/2008	09:47:35	0.086
6840	09/25/2008	09:47:36	0.072
6841	09/25/2008	09:47:37	0.074
6842	09/25/2008	09:47:38	0.086
6843	09/25/2008	09:47:39	0.076
6844	09/25/2008	09:47:40	0.081
6845	09/25/2008	09:47:41	0.074
6846	09/25/2008	09:47:42	0.072
6847	09/25/2008	09:47:43	0.071
6848	09/25/2008	09:47:44	0.079
6849	09/25/2008	09:47:45	0.082
6850	09/25/2008	09:47:46	0.085
6851	09/25/2008	09:47:47	0.079
6852	09/25/2008	09:47:48	0.082
6853	09/25/2008	09:47:49	0.076
6854	09/25/2008	09:47:50	0.088
6855	09/25/2008	09:47:51	0.099
6856	09/25/2008	09:47:52	0.078
6857	09/25/2008	09:47:53	0.074
6858	09/25/2008	09:47:54	0.083
6859	09/25/2008	09:47:55	0.082
6860	09/25/2008	09:47:56	0.074
6861	09/25/2008	09:47:57	0.072
6862	09/25/2008	09:47:58	0.075
6863	09/25/2008	09:47:59	0.072

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
6864	09/25/2008	09:48:00	0.083
6865	09/25/2008	09:48:01	0.096
6866	09/25/2008	09:48:02	0.074
6867	09/25/2008	09:48:03	0.094
6868	09/25/2008	09:48:04	0.074
6869	09/25/2008	09:48:05	0.075
6870	09/25/2008	09:48:06	0.115
6871	09/25/2008	09:48:07	0.083
6872	09/25/2008	09:48:08	0.072
6873	09/25/2008	09:48:09	0.085
6874	09/25/2008	09:48:10	0.081
6875	09/25/2008	09:48:11	0.093
6876	09/25/2008	09:48:12	0.091
6877	09/25/2008	09:48:13	0.086
6878	09/25/2008	09:48:14	0.088
6879	09/25/2008	09:48:15	0.073
6880	09/25/2008	09:48:16	0.075
6881	09/25/2008	09:48:17	0.079
6882	09/25/2008	09:48:18	0.078
6883	09/25/2008	09:48:19	0.069
6884	09/25/2008	09:48:20	0.076
6885	09/25/2008	09:48:21	0.072
6886	09/25/2008	09:48:22	0.086
6887	09/25/2008	09:48:23	0.079
6888	09/25/2008	09:48:24	0.069
6889	09/25/2008	09:48:25	0.085
6890	09/25/2008	09:48:26	0.091
6891	09/25/2008	09:48:27	0.125
6892	09/25/2008	09:48:28	0.079
6893	09/25/2008	09:48:29	0.072
6894	09/25/2008	09:48:30	0.072
6895	09/25/2008	09:48:31	0.072
6896	09/25/2008	09:48:32	0.073
6897	09/25/2008	09:48:33	0.077
6898	09/25/2008	09:48:34	0.075
6899	09/25/2008	09:48:35	0.080
6900	09/25/2008	09:48:36	0.080
6901	09/25/2008	09:48:37	0.079
6902	09/25/2008	09:48:38	0.084
6903	09/25/2008	09:48:39	0.076
6904	09/25/2008	09:48:40	0.084
6905	09/25/2008	09:48:41	0.076
6906	09/25/2008	09:48:42	0.074
6907	09/25/2008	09:48:43	0.080
6908	09/25/2008	09:48:44	0.076
6909	09/25/2008	09:48:45	0.085
6910	09/25/2008	09:48:46	0.077
6911	09/25/2008	09:48:47	0.069
6912	09/25/2008	09:48:48	0.075
6913	09/25/2008	09:48:49	0.072
6914	09/25/2008	09:48:50	0.077
6915	09/25/2008	09:48:51	0.075
6916	09/25/2008	09:48:52	0.068
6917	09/25/2008	09:48:53	0.068
6918	09/25/2008	09:48:54	0.089



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
6919	09/25/2008	09:48:55	0.074
6920	09/25/2008	09:48:56	0.084
6921	09/25/2008	09:48:57	0.073
6922	09/25/2008	09:48:58	0.075
6923	09/25/2008	09:48:59	0.079
6924	09/25/2008	09:49:00	0.075
6925	09/25/2008	09:49:01	0.074
6926	09/25/2008	09:49:02	0.074
6927	09/25/2008	09:49:03	0.074
6928	09/25/2008	09:49:04	0.075
6929	09/25/2008	09:49:05	0.078
6930	09/25/2008	09:49:06	0.076
6931	09/25/2008	09:49:07	0.074
6932	09/25/2008	09:49:08	0.079
6933	09/25/2008	09:49:09	0.099
6934	09/25/2008	09:49:10	0.091
6935	09/25/2008	09:49:11	0.090
6936	09/25/2008	09:49:12	0.076
6937	09/25/2008	09:49:13	0.076
6938	09/25/2008	09:49:14	0.076
6939	09/25/2008	09:49:15	0.076
6940	09/25/2008	09:49:16	0.170
6941	09/25/2008	09:49:17	0.074
6942	09/25/2008	09:49:18	0.077
6943	09/25/2008	09:49:19	0.071
6944	09/25/2008	09:49:20	0.074
6945	09/25/2008	09:49:21	0.085
6946	09/25/2008	09:49:22	0.067
6947	09/25/2008	09:49:23	0.094
6948	09/25/2008	09:49:24	0.082
6949	09/25/2008	09:49:25	0.092
6950	09/25/2008	09:49:26	0.072
6951	09/25/2008	09:49:27	0.076
6952	09/25/2008	09:49:28	0.084
6953	09/25/2008	09:49:29	0.092
6954	09/25/2008	09:49:30	0.077
6955	09/25/2008	09:49:31	0.071
6956	09/25/2008	09:49:32	0.085
6957	09/25/2008	09:49:33	0.086
6958	09/25/2008	09:49:34	0.070
6959	09/25/2008	09:49:35	0.100
6960	09/25/2008	09:49:36	0.070
6961	09/25/2008	09:49:37	0.071
6962	09/25/2008	09:49:38	0.071
6963	09/25/2008	09:49:39	0.075
6964	09/25/2008	09:49:40	0.072
6965	09/25/2008	09:49:41	0.080
6966	09/25/2008	09:49:42	0.093
6967	09/25/2008	09:49:43	0.083
6968	09/25/2008	09:49:44	0.090
6969	09/25/2008	09:49:45	0.072
6970	09/25/2008	09:49:46	0.074
6971	09/25/2008	09:49:47	0.083
6972	09/25/2008	09:49:48	0.091
6973	09/25/2008	09:49:49	0.084

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
6974	09/25/2008	09:49:50	0.085
6975	09/25/2008	09:49:51	0.075
6976	09/25/2008	09:49:52	0.073
6977	09/25/2008	09:49:53	0.082
6978	09/25/2008	09:49:54	0.076
6979	09/25/2008	09:49:55	0.089
6980	09/25/2008	09:49:56	0.076
6981	09/25/2008	09:49:57	0.083
6982	09/25/2008	09:49:58	0.081
6983	09/25/2008	09:49:59	0.086
6984	09/25/2008	09:50:00	0.087
6985	09/25/2008	09:50:01	0.084
6986	09/25/2008	09:50:02	0.078
6987	09/25/2008	09:50:03	0.083
6988	09/25/2008	09:50:04	0.073
6989	09/25/2008	09:50:05	0.080
6990	09/25/2008	09:50:06	0.075
6991	09/25/2008	09:50:07	0.077
6992	09/25/2008	09:50:08	0.078
6993	09/25/2008	09:50:09	0.077
6994	09/25/2008	09:50:10	0.070
6995	09/25/2008	09:50:11	0.075
6996	09/25/2008	09:50:12	0.070
6997	09/25/2008	09:50:13	0.086
6998	09/25/2008	09:50:14	0.076
6999	09/25/2008	09:50:15	0.077
7000	09/25/2008	09:50:16	0.076
7001	09/25/2008	09:50:17	0.072
7002	09/25/2008	09:50:18	0.074
7003	09/25/2008	09:50:19	0.262
7004	09/25/2008	09:50:20	0.079
7005	09/25/2008	09:50:21	0.078
7006	09/25/2008	09:50:22	0.071
7007	09/25/2008	09:50:23	0.074
7008	09/25/2008	09:50:24	0.069
7009	09/25/2008	09:50:25	0.076
7010	09/25/2008	09:50:26	0.118
7011	09/25/2008	09:50:27	0.073
7012	09/25/2008	09:50:28	0.086
7013	09/25/2008	09:50:29	0.075
7014	09/25/2008	09:50:30	0.078
7015	09/25/2008	09:50:31	0.078
7016	09/25/2008	09:50:32	0.077
7017	09/25/2008	09:50:33	0.071
7018	09/25/2008	09:50:34	0.077
7019	09/25/2008	09:50:35	0.076
7020	09/25/2008	09:50:36	0.115
7021	09/25/2008	09:50:37	0.075
7022	09/25/2008	09:50:38	0.079
7023	09/25/2008	09:50:39	0.077
7024	09/25/2008	09:50:40	0.075
7025	09/25/2008	09:50:41	0.084
7026	09/25/2008	09:50:42	0.081
7027	09/25/2008	09:50:43	0.076
7028	09/25/2008	09:50:44	0.078

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
7029	09/25/2008	09:50:45	0.069
7030	09/25/2008	09:50:46	0.078
7031	09/25/2008	09:50:47	0.130
7032	09/25/2008	09:50:48	0.071
7033	09/25/2008	09:50:49	0.086
7034	09/25/2008	09:50:50	0.100
7035	09/25/2008	09:50:51	0.075
7036	09/25/2008	09:50:52	0.073
7037	09/25/2008	09:50:53	0.089
7038	09/25/2008	09:50:54	0.242
7039	09/25/2008	09:50:55	0.095
7040	09/25/2008	09:50:56	0.088
7041	09/25/2008	09:50:57	0.082
7042	09/25/2008	09:50:58	0.083
7043	09/25/2008	09:50:59	0.080
7044	09/25/2008	09:51:00	0.076
7045	09/25/2008	09:51:01	0.075
7046	09/25/2008	09:51:02	0.071
7047	09/25/2008	09:51:03	0.084
7048	09/25/2008	09:51:04	0.074
7049	09/25/2008	09:51:05	0.084
7050	09/25/2008	09:51:06	0.076
7051	09/25/2008	09:51:07	0.072
7052	09/25/2008	09:51:08	0.072
7053	09/25/2008	09:51:09	0.072
7054	09/25/2008	09:51:10	0.073
7055	09/25/2008	09:51:11	0.074
7056	09/25/2008	09:51:12	0.083
7057	09/25/2008	09:51:13	0.087
7058	09/25/2008	09:51:14	0.081
7059	09/25/2008	09:51:15	0.081
7060	09/25/2008	09:51:16	0.074
7061	09/25/2008	09:51:17	0.080
7062	09/25/2008	09:51:18	0.081
7063	09/25/2008	09:51:19	0.076
7064	09/25/2008	09:51:20	0.073
7065	09/25/2008	09:51:21	0.077
7066	09/25/2008	09:51:22	0.087
7067	09/25/2008	09:51:23	0.075
7068	09/25/2008	09:51:24	0.075
7069	09/25/2008	09:51:25	0.094
7070	09/25/2008	09:51:26	0.077
7071	09/25/2008	09:51:27	0.070
7072	09/25/2008	09:51:28	0.074
7073	09/25/2008	09:51:29	0.074
7074	09/25/2008	09:51:30	0.081
7075	09/25/2008	09:51:31	0.069
7076	09/25/2008	09:51:32	0.076
7077	09/25/2008	09:51:33	0.078
7078	09/25/2008	09:51:34	0.074
7079	09/25/2008	09:51:35	0.070
7080	09/25/2008	09:51:36	0.075
7081	09/25/2008	09:51:37	0.076
7082	09/25/2008	09:51:38	0.152
7083	09/25/2008	09:51:39	0.077

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
7084	09/25/2008	09:51:40	0.074
7085	09/25/2008	09:51:41	0.073
7086	09/25/2008	09:51:42	0.086
7087	09/25/2008	09:51:43	0.247
7088	09/25/2008	09:51:44	0.078
7089	09/25/2008	09:51:45	0.068
7090	09/25/2008	09:51:46	0.082
7091	09/25/2008	09:51:47	0.071
7092	09/25/2008	09:51:48	0.069
7093	09/25/2008	09:51:49	0.075
7094	09/25/2008	09:51:50	0.069
7095	09/25/2008	09:51:51	0.081
7096	09/25/2008	09:51:52	0.068
7097	09/25/2008	09:51:53	0.072
7098	09/25/2008	09:51:54	0.072
7099	09/25/2008	09:51:55	0.071
7100	09/25/2008	09:51:56	0.087
7101	09/25/2008	09:51:57	0.080
7102	09/25/2008	09:51:58	0.074
7103	09/25/2008	09:51:59	0.071
7104	09/25/2008	09:52:00	0.074
7105	09/25/2008	09:52:01	0.071
7106	09/25/2008	09:52:02	0.074
7107	09/25/2008	09:52:03	0.075
7108	09/25/2008	09:52:04	0.071
7109	09/25/2008	09:52:05	0.074
7110	09/25/2008	09:52:06	0.074
7111	09/25/2008	09:52:07	0.078
7112	09/25/2008	09:52:08	0.069
7113	09/25/2008	09:52:09	0.072
7114	09/25/2008	09:52:10	0.074
7115	09/25/2008	09:52:11	0.080
7116	09/25/2008	09:52:12	0.072
7117	09/25/2008	09:52:13	0.081
7118	09/25/2008	09:52:14	0.070
7119	09/25/2008	09:52:15	0.071
7120	09/25/2008	09:52:16	0.071
7121	09/25/2008	09:52:17	0.067
7122	09/25/2008	09:52:18	0.079
7123	09/25/2008	09:52:19	0.074
7124	09/25/2008	09:52:20	0.078
7125	09/25/2008	09:52:21	0.074
7126	09/25/2008	09:52:22	0.080
7127	09/25/2008	09:52:23	0.090
7128	09/25/2008	09:52:24	0.085
7129	09/25/2008	09:52:25	0.074
7130	09/25/2008	09:52:26	0.088
7131	09/25/2008	09:52:27	0.079
7132	09/25/2008	09:52:28	0.076
7133	09/25/2008	09:52:29	0.077
7134	09/25/2008	09:52:30	0.068
7135	09/25/2008	09:52:31	0.077
7136	09/25/2008	09:52:32	0.074
7137	09/25/2008	09:52:33	0.077
7138	09/25/2008	09:52:34	0.069

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
7139	09/25/2008	09:52:35	0.082
7140	09/25/2008	09:52:36	0.080
7141	09/25/2008	09:52:37	0.071
7142	09/25/2008	09:52:38	0.085
7143	09/25/2008	09:52:39	0.075
7144	09/25/2008	09:52:40	0.088
7145	09/25/2008	09:52:41	0.103
7146	09/25/2008	09:52:42	0.067
7147	09/25/2008	09:52:43	0.072
7148	09/25/2008	09:52:44	0.069
7149	09/25/2008	09:52:45	0.122
7150	09/25/2008	09:52:46	0.084
7151	09/25/2008	09:52:47	0.079
7152	09/25/2008	09:52:48	0.077
7153	09/25/2008	09:52:49	0.071
7154	09/25/2008	09:52:50	0.071
7155	09/25/2008	09:52:51	0.071
7156	09/25/2008	09:52:52	0.087
7157	09/25/2008	09:52:53	0.076
7158	09/25/2008	09:52:54	0.074
7159	09/25/2008	09:52:55	0.078
7160	09/25/2008	09:52:56	0.091
7161	09/25/2008	09:52:57	0.072
7162	09/25/2008	09:52:58	0.075
7163	09/25/2008	09:52:59	0.073
7164	09/25/2008	09:53:00	0.079
7165	09/25/2008	09:53:01	0.076
7166	09/25/2008	09:53:02	0.070
7167	09/25/2008	09:53:03	0.073
7168	09/25/2008	09:53:04	0.072
7169	09/25/2008	09:53:05	0.073
7170	09/25/2008	09:53:06	0.074
7171	09/25/2008	09:53:07	0.070
7172	09/25/2008	09:53:08	0.073
7173	09/25/2008	09:53:09	0.072
7174	09/25/2008	09:53:10	0.080
7175	09/25/2008	09:53:11	0.072
7176	09/25/2008	09:53:12	0.091
7177	09/25/2008	09:53:13	0.080
7178	09/25/2008	09:53:14	0.073
7179	09/25/2008	09:53:15	0.078
7180	09/25/2008	09:53:16	0.085
7181	09/25/2008	09:53:17	0.070
7182	09/25/2008	09:53:18	0.072
7183	09/25/2008	09:53:19	0.075
7184	09/25/2008	09:53:20	0.071
7185	09/25/2008	09:53:21	0.086
7186	09/25/2008	09:53:22	0.073
7187	09/25/2008	09:53:23	0.072
7188	09/25/2008	09:53:24	0.075
7189	09/25/2008	09:53:25	0.074
7190	09/25/2008	09:53:26	0.083
7191	09/25/2008	09:53:27	0.105
7192	09/25/2008	09:53:28	0.083
7193	09/25/2008	09:53:29	0.077

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
7194	09/25/2008	09:53:30	0.092
7195	09/25/2008	09:53:31	0.092
7196	09/25/2008	09:53:32	0.146
7197	09/25/2008	09:53:33	0.073
7198	09/25/2008	09:53:34	0.105
7199	09/25/2008	09:53:35	0.138
7200	09/25/2008	09:53:36	0.097
7201	09/25/2008	09:53:37	0.087
7202	09/25/2008	09:53:38	0.073
7203	09/25/2008	09:53:39	0.068
7204	09/25/2008	09:53:40	0.101
7205	09/25/2008	09:53:41	0.078
7206	09/25/2008	09:53:42	0.080
7207	09/25/2008	09:53:43	0.080
7208	09/25/2008	09:53:44	0.076
7209	09/25/2008	09:53:45	0.077
7210	09/25/2008	09:53:46	0.079
7211	09/25/2008	09:53:47	0.078
7212	09/25/2008	09:53:48	0.079
7213	09/25/2008	09:53:49	0.082
7214	09/25/2008	09:53:50	0.073
7215	09/25/2008	09:53:51	0.082
7216	09/25/2008	09:53:52	0.077
7217	09/25/2008	09:53:53	0.075
7218	09/25/2008	09:53:54	0.083
7219	09/25/2008	09:53:55	0.087
7220	09/25/2008	09:53:56	0.077
7221	09/25/2008	09:53:57	0.072
7222	09/25/2008	09:53:58	0.074
7223	09/25/2008	09:53:59	0.075
7224	09/25/2008	09:54:00	0.068
7225	09/25/2008	09:54:01	0.074
7226	09/25/2008	09:54:02	0.077
7227	09/25/2008	09:54:03	0.074
7228	09/25/2008	09:54:04	0.081
7229	09/25/2008	09:54:05	0.088
7230	09/25/2008	09:54:06	0.074
7231	09/25/2008	09:54:07	0.084
7232	09/25/2008	09:54:08	0.078
7233	09/25/2008	09:54:09	0.072
7234	09/25/2008	09:54:10	0.093
7235	09/25/2008	09:54:11	0.077
7236	09/25/2008	09:54:12	0.074
7237	09/25/2008	09:54:13	0.074
7238	09/25/2008	09:54:14	0.078
7239	09/25/2008	09:54:15	0.082
7240	09/25/2008	09:54:16	0.075
7241	09/25/2008	09:54:17	0.078
7242	09/25/2008	09:54:18	0.074
7243	09/25/2008	09:54:19	0.074
7244	09/25/2008	09:54:20	0.083
7245	09/25/2008	09:54:21	0.139
7246	09/25/2008	09:54:22	0.078
7247	09/25/2008	09:54:23	0.073
7248	09/25/2008	09:54:24	0.073

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
7249	09/25/2008	09:54:25	0.075
7250	09/25/2008	09:54:26	0.074
7251	09/25/2008	09:54:27	0.085
7252	09/25/2008	09:54:28	0.086
7253	09/25/2008	09:54:29	0.081
7254	09/25/2008	09:54:30	0.071
7255	09/25/2008	09:54:31	0.074
7256	09/25/2008	09:54:32	0.079
7257	09/25/2008	09:54:33	0.104
7258	09/25/2008	09:54:34	0.097
7259	09/25/2008	09:54:35	0.073
7260	09/25/2008	09:54:36	0.079
7261	09/25/2008	09:54:37	0.095
7262	09/25/2008	09:54:38	0.079
7263	09/25/2008	09:54:39	0.076
7264	09/25/2008	09:54:40	0.086
7265	09/25/2008	09:54:41	0.119
7266	09/25/2008	09:54:42	0.070
7267	09/25/2008	09:54:43	0.096
7268	09/25/2008	09:54:44	0.075
7269	09/25/2008	09:54:45	0.129
7270	09/25/2008	09:54:46	0.139
7271	09/25/2008	09:54:47	0.084
7272	09/25/2008	09:54:48	0.079
7273	09/25/2008	09:54:49	0.094
7274	09/25/2008	09:54:50	0.098
7275	09/25/2008	09:54:51	0.074
7276	09/25/2008	09:54:52	0.069
7277	09/25/2008	09:54:53	0.084
7278	09/25/2008	09:54:54	0.073
7279	09/25/2008	09:54:55	0.077
7280	09/25/2008	09:54:56	0.111
7281	09/25/2008	09:54:57	0.079
7282	09/25/2008	09:54:58	0.074
7283	09/25/2008	09:54:59	0.079
7284	09/25/2008	09:55:00	0.077
7285	09/25/2008	09:55:01	0.073
7286	09/25/2008	09:55:02	0.090
7287	09/25/2008	09:55:03	0.078
7288	09/25/2008	09:55:04	0.101
7289	09/25/2008	09:55:05	0.075
7290	09/25/2008	09:55:06	0.080
7291	09/25/2008	09:55:07	0.101
7292	09/25/2008	09:55:08	0.070
7293	09/25/2008	09:55:09	0.072
7294	09/25/2008	09:55:10	0.080
7295	09/25/2008	09:55:11	0.085
7296	09/25/2008	09:55:12	0.073
7297	09/25/2008	09:55:13	0.070
7298	09/25/2008	09:55:14	0.075
7299	09/25/2008	09:55:15	0.071
7300	09/25/2008	09:55:16	0.080
7301	09/25/2008	09:55:17	0.079
7302	09/25/2008	09:55:18	0.100
7303	09/25/2008	09:55:19	0.070

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
7304	09/25/2008	09:55:20	0.069
7305	09/25/2008	09:55:21	0.073
7306	09/25/2008	09:55:22	0.070
7307	09/25/2008	09:55:23	0.073
7308	09/25/2008	09:55:24	0.101
7309	09/25/2008	09:55:25	0.090
7310	09/25/2008	09:55:26	0.115
7311	09/25/2008	09:55:27	0.077
7312	09/25/2008	09:55:28	0.083
7313	09/25/2008	09:55:29	0.071
7314	09/25/2008	09:55:30	0.098
7315	09/25/2008	09:55:31	0.080
7316	09/25/2008	09:55:32	0.076
7317	09/25/2008	09:55:33	0.073
7318	09/25/2008	09:55:34	0.075
7319	09/25/2008	09:55:35	0.076
7320	09/25/2008	09:55:36	0.078
7321	09/25/2008	09:55:37	0.082
7322	09/25/2008	09:55:38	0.086
7323	09/25/2008	09:55:39	0.120
7324	09/25/2008	09:55:40	0.106
7325	09/25/2008	09:55:41	0.084
7326	09/25/2008	09:55:42	0.107
7327	09/25/2008	09:55:43	0.206
7328	09/25/2008	09:55:44	0.088
7329	09/25/2008	09:55:45	0.082
7330	09/25/2008	09:55:46	0.076
7331	09/25/2008	09:55:47	0.082
7332	09/25/2008	09:55:48	0.074
7333	09/25/2008	09:55:49	0.168
7334	09/25/2008	09:55:50	0.080
7335	09/25/2008	09:55:51	0.114
7336	09/25/2008	09:55:52	0.070
7337	09/25/2008	09:55:53	0.075
7338	09/25/2008	09:55:54	0.081
7339	09/25/2008	09:55:55	0.071
7340	09/25/2008	09:55:56	0.090
7341	09/25/2008	09:55:57	0.072
7342	09/25/2008	09:55:58	0.081
7343	09/25/2008	09:55:59	0.070
7344	09/25/2008	09:56:00	0.072
7345	09/25/2008	09:56:01	0.092
7346	09/25/2008	09:56:02	0.073
7347	09/25/2008	09:56:03	0.079
7348	09/25/2008	09:56:04	0.078
7349	09/25/2008	09:56:05	0.071
7350	09/25/2008	09:56:06	0.073
7351	09/25/2008	09:56:07	0.090
7352	09/25/2008	09:56:08	0.066
7353	09/25/2008	09:56:09	0.082
7354	09/25/2008	09:56:10	0.082
7355	09/25/2008	09:56:11	0.072
7356	09/25/2008	09:56:12	0.078
7357	09/25/2008	09:56:13	0.071
7358	09/25/2008	09:56:14	0.076



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
7359	09/25/2008	09:56:15	0.065
7360	09/25/2008	09:56:16	0.068
7361	09/25/2008	09:56:17	0.075
7362	09/25/2008	09:56:18	0.071
7363	09/25/2008	09:56:19	0.073
7364	09/25/2008	09:56:20	0.073
7365	09/25/2008	09:56:21	0.075
7366	09/25/2008	09:56:22	0.071
7367	09/25/2008	09:56:23	0.072
7368	09/25/2008	09:56:24	0.075
7369	09/25/2008	09:56:25	0.081
7370	09/25/2008	09:56:26	0.073
7371	09/25/2008	09:56:27	0.070
7372	09/25/2008	09:56:28	0.071
7373	09/25/2008	09:56:29	0.069
7374	09/25/2008	09:56:30	0.076
7375	09/25/2008	09:56:31	0.140
7376	09/25/2008	09:56:32	0.235
7377	09/25/2008	09:56:33	0.209
7378	09/25/2008	09:56:34	0.130
7379	09/25/2008	09:56:35	0.133
7380	09/25/2008	09:56:36	0.112
7381	09/25/2008	09:56:37	0.098
7382	09/25/2008	09:56:38	0.119
7383	09/25/2008	09:56:39	0.089
7384	09/25/2008	09:56:40	0.083
7385	09/25/2008	09:56:41	0.093
7386	09/25/2008	09:56:42	0.091
7387	09/25/2008	09:56:43	0.081
7388	09/25/2008	09:56:44	0.081
7389	09/25/2008	09:56:45	0.089
7390	09/25/2008	09:56:46	0.079
7391	09/25/2008	09:56:47	0.076
7392	09/25/2008	09:56:48	0.078
7393	09/25/2008	09:56:49	0.121
7394	09/25/2008	09:56:50	0.104
7395	09/25/2008	09:56:51	0.097
7396	09/25/2008	09:56:52	0.081
7397	09/25/2008	09:56:53	0.093
7398	09/25/2008	09:56:54	0.067
7399	09/25/2008	09:56:55	0.087
7400	09/25/2008	09:56:56	0.077
7401	09/25/2008	09:56:57	0.071
7402	09/25/2008	09:56:58	0.077
7403	09/25/2008	09:56:59	0.072
7404	09/25/2008	09:57:00	0.069
7405	09/25/2008	09:57:01	0.069
7406	09/25/2008	09:57:02	0.074
7407	09/25/2008	09:57:03	0.077
7408	09/25/2008	09:57:04	0.081
7409	09/25/2008	09:57:05	0.072
7410	09/25/2008	09:57:06	0.076
7411	09/25/2008	09:57:07	0.084
7412	09/25/2008	09:57:08	0.075
7413	09/25/2008	09:57:09	0.083

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
7414	09/25/2008	09:57:10	0.074
7415	09/25/2008	09:57:11	0.077
7416	09/25/2008	09:57:12	0.080
7417	09/25/2008	09:57:13	0.077
7418	09/25/2008	09:57:14	0.072
7419	09/25/2008	09:57:15	0.074
7420	09/25/2008	09:57:16	0.076
7421	09/25/2008	09:57:17	0.076
7422	09/25/2008	09:57:18	0.070
7423	09/25/2008	09:57:19	0.071
7424	09/25/2008	09:57:20	0.129
7425	09/25/2008	09:57:21	0.068
7426	09/25/2008	09:57:22	0.115
7427	09/25/2008	09:57:23	0.068
7428	09/25/2008	09:57:24	0.072
7429	09/25/2008	09:57:25	0.072
7430	09/25/2008	09:57:26	0.118
7431	09/25/2008	09:57:27	0.089
7432	09/25/2008	09:57:28	0.074
7433	09/25/2008	09:57:29	0.076
7434	09/25/2008	09:57:30	0.074
7435	09/25/2008	09:57:31	0.079
7436	09/25/2008	09:57:32	0.081
7437	09/25/2008	09:57:33	0.080
7438	09/25/2008	09:57:34	0.091
7439	09/25/2008	09:57:35	0.083
7440	09/25/2008	09:57:36	0.084
7441	09/25/2008	09:57:37	0.100
7442	09/25/2008	09:57:38	0.085
7443	09/25/2008	09:57:39	0.084
7444	09/25/2008	09:57:40	0.088
7445	09/25/2008	09:57:41	0.096
7446	09/25/2008	09:57:42	0.116
7447	09/25/2008	09:57:43	0.092
7448	09/25/2008	09:57:44	0.074
7449	09/25/2008	09:57:45	0.084
7450	09/25/2008	09:57:46	0.079
7451	09/25/2008	09:57:47	0.093
7452	09/25/2008	09:57:48	0.072
7453	09/25/2008	09:57:49	0.070
7454	09/25/2008	09:57:50	0.081
7455	09/25/2008	09:57:51	0.073
7456	09/25/2008	09:57:52	0.082
7457	09/25/2008	09:57:53	0.074
7458	09/25/2008	09:57:54	0.075
7459	09/25/2008	09:57:55	0.074
7460	09/25/2008	09:57:56	0.070
7461	09/25/2008	09:57:57	0.089
7462	09/25/2008	09:57:58	0.084
7463	09/25/2008	09:57:59	0.075
7464	09/25/2008	09:58:00	0.074
7465	09/25/2008	09:58:01	0.076
7466	09/25/2008	09:58:02	0.071
7467	09/25/2008	09:58:03	0.081
7468	09/25/2008	09:58:04	0.085

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
7469	09/25/2008	09:58:05	0.087
7470	09/25/2008	09:58:06	0.100
7471	09/25/2008	09:58:07	0.071
7472	09/25/2008	09:58:08	0.085
7473	09/25/2008	09:58:09	0.080
7474	09/25/2008	09:58:10	0.078
7475	09/25/2008	09:58:11	0.073
7476	09/25/2008	09:58:12	0.075
7477	09/25/2008	09:58:13	0.077
7478	09/25/2008	09:58:14	0.084
7479	09/25/2008	09:58:15	0.096
7480	09/25/2008	09:58:16	0.084
7481	09/25/2008	09:58:17	0.074
7482	09/25/2008	09:58:18	0.073
7483	09/25/2008	09:58:19	0.076
7484	09/25/2008	09:58:20	0.077
7485	09/25/2008	09:58:21	0.078
7486	09/25/2008	09:58:22	0.073
7487	09/25/2008	09:58:23	0.068
7488	09/25/2008	09:58:24	0.073
7489	09/25/2008	09:58:25	0.066
7490	09/25/2008	09:58:26	0.082
7491	09/25/2008	09:58:27	0.069
7492	09/25/2008	09:58:28	0.094
7493	09/25/2008	09:58:29	0.080
7494	09/25/2008	09:58:30	0.072
7495	09/25/2008	09:58:31	0.080
7496	09/25/2008	09:58:32	0.071
7497	09/25/2008	09:58:33	0.076
7498	09/25/2008	09:58:34	0.080
7499	09/25/2008	09:58:35	0.077
7500	09/25/2008	09:58:36	0.076
7501	09/25/2008	09:58:37	0.080
7502	09/25/2008	09:58:38	0.095
7503	09/25/2008	09:58:39	0.168
7504	09/25/2008	09:58:40	0.139
7505	09/25/2008	09:58:41	0.105
7506	09/25/2008	09:58:42	0.089
7507	09/25/2008	09:58:43	0.079
7508	09/25/2008	09:58:44	0.162
7509	09/25/2008	09:58:45	0.094
7510	09/25/2008	09:58:46	0.143
7511	09/25/2008	09:58:47	0.085
7512	09/25/2008	09:58:48	0.079
7513	09/25/2008	09:58:49	0.072
7514	09/25/2008	09:58:50	0.072
7515	09/25/2008	09:58:51	0.084
7516	09/25/2008	09:58:52	0.088
7517	09/25/2008	09:58:53	0.104
7518	09/25/2008	09:58:54	0.084
7519	09/25/2008	09:58:55	0.077
7520	09/25/2008	09:58:56	0.075
7521	09/25/2008	09:58:57	0.081
7522	09/25/2008	09:58:58	0.118
7523	09/25/2008	09:58:59	0.083

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
7524	09/25/2008	09:59:00	0.076
7525	09/25/2008	09:59:01	0.068
7526	09/25/2008	09:59:02	0.081
7527	09/25/2008	09:59:03	0.070
7528	09/25/2008	09:59:04	0.071
7529	09/25/2008	09:59:05	0.071
7530	09/25/2008	09:59:06	0.078
7531	09/25/2008	09:59:07	0.078
7532	09/25/2008	09:59:08	0.132
7533	09/25/2008	09:59:09	0.080
7534	09/25/2008	09:59:10	0.083
7535	09/25/2008	09:59:11	0.075
7536	09/25/2008	09:59:12	0.076
7537	09/25/2008	09:59:13	0.092
7538	09/25/2008	09:59:14	0.079
7539	09/25/2008	09:59:15	0.073
7540	09/25/2008	09:59:16	0.084
7541	09/25/2008	09:59:17	0.075
7542	09/25/2008	09:59:18	0.094
7543	09/25/2008	09:59:19	0.082
7544	09/25/2008	09:59:20	0.070
7545	09/25/2008	09:59:21	0.073
7546	09/25/2008	09:59:22	0.072
7547	09/25/2008	09:59:23	0.065
7548	09/25/2008	09:59:24	0.070
7549	09/25/2008	09:59:25	0.080
7550	09/25/2008	09:59:26	0.080
7551	09/25/2008	09:59:27	0.076
7552	09/25/2008	09:59:28	0.092
7553	09/25/2008	09:59:29	0.092
7554	09/25/2008	09:59:30	0.072
7555	09/25/2008	09:59:31	0.068
7556	09/25/2008	09:59:32	0.076
7557	09/25/2008	09:59:33	0.068
7558	09/25/2008	09:59:34	0.089
7559	09/25/2008	09:59:35	0.085
7560	09/25/2008	09:59:36	0.068
7561	09/25/2008	09:59:37	0.074
7562	09/25/2008	09:59:38	0.090
7563	09/25/2008	09:59:39	0.081
7564	09/25/2008	09:59:40	0.084
7565	09/25/2008	09:59:41	0.082
7566	09/25/2008	09:59:42	0.086
7567	09/25/2008	09:59:43	0.077
7568	09/25/2008	09:59:44	0.090
7569	09/25/2008	09:59:45	0.072
7570	09/25/2008	09:59:46	0.073
7571	09/25/2008	09:59:47	0.078
7572	09/25/2008	09:59:48	0.071
7573	09/25/2008	09:59:49	0.077
7574	09/25/2008	09:59:50	0.074
7575	09/25/2008	09:59:51	0.072
7576	09/25/2008	09:59:52	0.079
7577	09/25/2008	09:59:53	0.075
7578	09/25/2008	09:59:54	0.089

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
7579	09/25/2008	09:59:55	0.071
7580	09/25/2008	09:59:56	0.076
7581	09/25/2008	09:59:57	0.100
7582	09/25/2008	09:59:58	0.092
7583	09/25/2008	09:59:59	0.072
7584	09/25/2008	10:00:00	0.087
7585	09/25/2008	10:00:01	0.079
7586	09/25/2008	10:00:02	0.075
7587	09/25/2008	10:00:03	0.069
7588	09/25/2008	10:00:04	0.071
7589	09/25/2008	10:00:05	0.086
7590	09/25/2008	10:00:06	0.076
7591	09/25/2008	10:00:07	0.075
7592	09/25/2008	10:00:08	0.156
7593	09/25/2008	10:00:09	0.070
7594	09/25/2008	10:00:10	0.080
7595	09/25/2008	10:00:11	0.151
7596	09/25/2008	10:00:12	0.080
7597	09/25/2008	10:00:13	0.073
7598	09/25/2008	10:00:14	0.071
7599	09/25/2008	10:00:15	0.072
7600	09/25/2008	10:00:16	0.098
7601	09/25/2008	10:00:17	0.074
7602	09/25/2008	10:00:18	0.116
7603	09/25/2008	10:00:19	0.078
7604	09/25/2008	10:00:20	0.074
7605	09/25/2008	10:00:21	0.075
7606	09/25/2008	10:00:22	0.095
7607	09/25/2008	10:00:23	0.070
7608	09/25/2008	10:00:24	0.072
7609	09/25/2008	10:00:25	0.081
7610	09/25/2008	10:00:26	0.074
7611	09/25/2008	10:00:27	0.074
7612	09/25/2008	10:00:28	0.080
7613	09/25/2008	10:00:29	0.073
7614	09/25/2008	10:00:30	0.074
7615	09/25/2008	10:00:31	0.069
7616	09/25/2008	10:00:32	0.080
7617	09/25/2008	10:00:33	0.082
7618	09/25/2008	10:00:34	0.084
7619	09/25/2008	10:00:35	0.109
7620	09/25/2008	10:00:36	0.070
7621	09/25/2008	10:00:37	0.079
7622	09/25/2008	10:00:38	0.156
7623	09/25/2008	10:00:39	0.071
7624	09/25/2008	10:00:40	0.075
7625	09/25/2008	10:00:41	0.078
7626	09/25/2008	10:00:42	0.079
7627	09/25/2008	10:00:43	0.079
7628	09/25/2008	10:00:44	0.072
7629	09/25/2008	10:00:45	0.079
7630	09/25/2008	10:00:46	0.070
7631	09/25/2008	10:00:47	0.124
7632	09/25/2008	10:00:48	0.078
7633	09/25/2008	10:00:49	0.083

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
7634	09/25/2008	10:00:50	0.070
7635	09/25/2008	10:00:51	0.074
7636	09/25/2008	10:00:52	0.070
7637	09/25/2008	10:00:53	0.082
7638	09/25/2008	10:00:54	0.073
7639	09/25/2008	10:00:55	0.082
7640	09/25/2008	10:00:56	0.087
7641	09/25/2008	10:00:57	0.078
7642	09/25/2008	10:00:58	0.088
7643	09/25/2008	10:00:59	0.081
7644	09/25/2008	10:01:00	0.080
7645	09/25/2008	10:01:01	0.074
7646	09/25/2008	10:01:02	0.066
7647	09/25/2008	10:01:03	0.072
7648	09/25/2008	10:01:04	0.073
7649	09/25/2008	10:01:05	0.071
7650	09/25/2008	10:01:06	0.066
7651	09/25/2008	10:01:07	0.116
7652	09/25/2008	10:01:08	0.088
7653	09/25/2008	10:01:09	0.070
7654	09/25/2008	10:01:10	0.137
7655	09/25/2008	10:01:11	0.088
7656	09/25/2008	10:01:12	0.102
7657	09/25/2008	10:01:13	0.137
7658	09/25/2008	10:01:14	0.102
7659	09/25/2008	10:01:15	0.116
7660	09/25/2008	10:01:16	0.106
7661	09/25/2008	10:01:17	0.074
7662	09/25/2008	10:01:18	0.075
7663	09/25/2008	10:01:19	0.075
7664	09/25/2008	10:01:20	0.083
7665	09/25/2008	10:01:21	0.089
7666	09/25/2008	10:01:22	0.074
7667	09/25/2008	10:01:23	0.085
7668	09/25/2008	10:01:24	0.083
7669	09/25/2008	10:01:25	0.084
7670	09/25/2008	10:01:26	0.086
7671	09/25/2008	10:01:27	0.079
7672	09/25/2008	10:01:28	0.074
7673	09/25/2008	10:01:29	0.074
7674	09/25/2008	10:01:30	0.074
7675	09/25/2008	10:01:31	0.073
7676	09/25/2008	10:01:32	0.072
7677	09/25/2008	10:01:33	0.075
7678	09/25/2008	10:01:34	0.072
7679	09/25/2008	10:01:35	0.074
7680	09/25/2008	10:01:36	0.104
7681	09/25/2008	10:01:37	0.074
7682	09/25/2008	10:01:38	0.070
7683	09/25/2008	10:01:39	0.073
7684	09/25/2008	10:01:40	0.118
7685	09/25/2008	10:01:41	0.080
7686	09/25/2008	10:01:42	0.075
7687	09/25/2008	10:01:43	0.109
7688	09/25/2008	10:01:44	0.067

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
7689	09/25/2008	10:01:45	0.076
7690	09/25/2008	10:01:46	0.066
7691	09/25/2008	10:01:47	0.077
7692	09/25/2008	10:01:48	0.094
7693	09/25/2008	10:01:49	0.070
7694	09/25/2008	10:01:50	0.079
7695	09/25/2008	10:01:51	0.074
7696	09/25/2008	10:01:52	0.072
7697	09/25/2008	10:01:53	0.070
7698	09/25/2008	10:01:54	0.071
7699	09/25/2008	10:01:55	0.081
7700	09/25/2008	10:01:56	0.084
7701	09/25/2008	10:01:57	0.090
7702	09/25/2008	10:01:58	0.074
7703	09/25/2008	10:01:59	0.073
7704	09/25/2008	10:02:00	0.071
7705	09/25/2008	10:02:01	0.075
7706	09/25/2008	10:02:02	0.080
7707	09/25/2008	10:02:03	0.076
7708	09/25/2008	10:02:04	0.076
7709	09/25/2008	10:02:05	0.071
7710	09/25/2008	10:02:06	0.073
7711	09/25/2008	10:02:07	0.089
7712	09/25/2008	10:02:08	0.078
7713	09/25/2008	10:02:09	0.077
7714	09/25/2008	10:02:10	0.072
7715	09/25/2008	10:02:11	0.071
7716	09/25/2008	10:02:12	0.068
7717	09/25/2008	10:02:13	0.070
7718	09/25/2008	10:02:14	0.065
7719	09/25/2008	10:02:15	0.072
7720	09/25/2008	10:02:16	0.071
7721	09/25/2008	10:02:17	0.067
7722	09/25/2008	10:02:18	0.070
7723	09/25/2008	10:02:19	0.078
7724	09/25/2008	10:02:20	0.072
7725	09/25/2008	10:02:21	0.072
7726	09/25/2008	10:02:22	0.073
7727	09/25/2008	10:02:23	0.078
7728	09/25/2008	10:02:24	0.072
7729	09/25/2008	10:02:25	0.073
7730	09/25/2008	10:02:26	0.084
7731	09/25/2008	10:02:27	0.115
7732	09/25/2008	10:02:28	0.075
7733	09/25/2008	10:02:29	0.086
7734	09/25/2008	10:02:30	0.072
7735	09/25/2008	10:02:31	0.071
7736	09/25/2008	10:02:32	0.112
7737	09/25/2008	10:02:33	0.083
7738	09/25/2008	10:02:34	0.078
7739	09/25/2008	10:02:35	0.067
7740	09/25/2008	10:02:36	0.074
7741	09/25/2008	10:02:37	0.067
7742	09/25/2008	10:02:38	0.073
7743	09/25/2008	10:02:39	0.076

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
7744	09/25/2008	10:02:40	0.130
7745	09/25/2008	10:02:41	0.080
7746	09/25/2008	10:02:42	0.077
7747	09/25/2008	10:02:43	0.089
7748	09/25/2008	10:02:44	0.072
7749	09/25/2008	10:02:45	0.077
7750	09/25/2008	10:02:46	0.075
7751	09/25/2008	10:02:47	0.076
7752	09/25/2008	10:02:48	0.074
7753	09/25/2008	10:02:49	0.069
7754	09/25/2008	10:02:50	0.071
7755	09/25/2008	10:02:51	0.092
7756	09/25/2008	10:02:52	0.098
7757	09/25/2008	10:02:53	0.072
7758	09/25/2008	10:02:54	0.079
7759	09/25/2008	10:02:55	0.072
7760	09/25/2008	10:02:56	0.069
7761	09/25/2008	10:02:57	0.096
7762	09/25/2008	10:02:58	0.091
7763	09/25/2008	10:02:59	0.072
7764	09/25/2008	10:03:00	0.076
7765	09/25/2008	10:03:01	0.085
7766	09/25/2008	10:03:02	0.073
7767	09/25/2008	10:03:03	0.107
7768	09/25/2008	10:03:04	0.083
7769	09/25/2008	10:03:05	0.087
7770	09/25/2008	10:03:06	0.073
7771	09/25/2008	10:03:07	0.072
7772	09/25/2008	10:03:08	0.083
7773	09/25/2008	10:03:09	0.078
7774	09/25/2008	10:03:10	0.071
7775	09/25/2008	10:03:11	0.075
7776	09/25/2008	10:03:12	0.073
7777	09/25/2008	10:03:13	0.079
7778	09/25/2008	10:03:14	0.073
7779	09/25/2008	10:03:15	0.080
7780	09/25/2008	10:03:16	0.075
7781	09/25/2008	10:03:17	0.073
7782	09/25/2008	10:03:18	0.076
7783	09/25/2008	10:03:19	0.070
7784	09/25/2008	10:03:20	0.076
7785	09/25/2008	10:03:21	0.070
7786	09/25/2008	10:03:22	0.070
7787	09/25/2008	10:03:23	0.071
7788	09/25/2008	10:03:24	0.073
7789	09/25/2008	10:03:25	0.078
7790	09/25/2008	10:03:26	0.088
7791	09/25/2008	10:03:27	0.071
7792	09/25/2008	10:03:28	0.070
7793	09/25/2008	10:03:29	0.078
7794	09/25/2008	10:03:30	0.072
7795	09/25/2008	10:03:31	0.066
7796	09/25/2008	10:03:32	0.075
7797	09/25/2008	10:03:33	0.073
7798	09/25/2008	10:03:34	0.070



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
7799	09/25/2008	10:03:35	0.078
7800	09/25/2008	10:03:36	0.081
7801	09/25/2008	10:03:37	0.064
7802	09/25/2008	10:03:38	0.084
7803	09/25/2008	10:03:39	0.081
7804	09/25/2008	10:03:40	0.065
7805	09/25/2008	10:03:41	0.067
7806	09/25/2008	10:03:42	0.071
7807	09/25/2008	10:03:43	0.074
7808	09/25/2008	10:03:44	0.075
7809	09/25/2008	10:03:45	0.074
7810	09/25/2008	10:03:46	0.081
7811	09/25/2008	10:03:47	0.084
7812	09/25/2008	10:03:48	0.066
7813	09/25/2008	10:03:49	0.077
7814	09/25/2008	10:03:50	0.068
7815	09/25/2008	10:03:51	0.071
7816	09/25/2008	10:03:52	0.080
7817	09/25/2008	10:03:53	0.067
7818	09/25/2008	10:03:54	0.067
7819	09/25/2008	10:03:55	0.123
7820	09/25/2008	10:03:56	0.071
7821	09/25/2008	10:03:57	0.070
7822	09/25/2008	10:03:58	0.077
7823	09/25/2008	10:03:59	0.077
7824	09/25/2008	10:04:00	0.079
7825	09/25/2008	10:04:01	0.072
7826	09/25/2008	10:04:02	0.074
7827	09/25/2008	10:04:03	0.074
7828	09/25/2008	10:04:04	0.071
7829	09/25/2008	10:04:05	0.087
7830	09/25/2008	10:04:06	0.079
7831	09/25/2008	10:04:07	0.076
7832	09/25/2008	10:04:08	0.079
7833	09/25/2008	10:04:09	0.067
7834	09/25/2008	10:04:10	0.065
7835	09/25/2008	10:04:11	0.067
7836	09/25/2008	10:04:12	0.066
7837	09/25/2008	10:04:13	0.068
7838	09/25/2008	10:04:14	0.068
7839	09/25/2008	10:04:15	0.082
7840	09/25/2008	10:04:16	0.075
7841	09/25/2008	10:04:17	0.106
7842	09/25/2008	10:04:18	0.077
7843	09/25/2008	10:04:19	0.065
7844	09/25/2008	10:04:20	0.065
7845	09/25/2008	10:04:21	0.073
7846	09/25/2008	10:04:22	0.083
7847	09/25/2008	10:04:23	0.068
7848	09/25/2008	10:04:24	0.093
7849	09/25/2008	10:04:25	0.069
7850	09/25/2008	10:04:26	0.078
7851	09/25/2008	10:04:27	0.111
7852	09/25/2008	10:04:28	0.068
7853	09/25/2008	10:04:29	0.068

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
7854	09/25/2008	10:04:30	0.067
7855	09/25/2008	10:04:31	0.066
7856	09/25/2008	10:04:32	0.074
7857	09/25/2008	10:04:33	0.071
7858	09/25/2008	10:04:34	0.067
7859	09/25/2008	10:04:35	0.075
7860	09/25/2008	10:04:36	0.108
7861	09/25/2008	10:04:37	0.069
7862	09/25/2008	10:04:38	0.068
7863	09/25/2008	10:04:39	0.072
7864	09/25/2008	10:04:40	0.072
7865	09/25/2008	10:04:41	0.073
7866	09/25/2008	10:04:42	0.067
7867	09/25/2008	10:04:43	0.071
7868	09/25/2008	10:04:44	0.067
7869	09/25/2008	10:04:45	0.070
7870	09/25/2008	10:04:46	0.091
7871	09/25/2008	10:04:47	0.070
7872	09/25/2008	10:04:48	0.068
7873	09/25/2008	10:04:49	0.090
7874	09/25/2008	10:04:50	0.071
7875	09/25/2008	10:04:51	0.069
7876	09/25/2008	10:04:52	0.071
7877	09/25/2008	10:04:53	0.067
7878	09/25/2008	10:04:54	0.076
7879	09/25/2008	10:04:55	0.071
7880	09/25/2008	10:04:56	0.085
7881	09/25/2008	10:04:57	0.067
7882	09/25/2008	10:04:58	0.068
7883	09/25/2008	10:04:59	0.091
7884	09/25/2008	10:05:00	0.075
7885	09/25/2008	10:05:01	0.082
7886	09/25/2008	10:05:02	0.069
7887	09/25/2008	10:05:03	0.071
7888	09/25/2008	10:05:04	0.072
7889	09/25/2008	10:05:05	0.073
7890	09/25/2008	10:05:06	0.064
7891	09/25/2008	10:05:07	0.068
7892	09/25/2008	10:05:08	0.070
7893	09/25/2008	10:05:09	0.072
7894	09/25/2008	10:05:10	0.078
7895	09/25/2008	10:05:11	0.071
7896	09/25/2008	10:05:12	0.068
7897	09/25/2008	10:05:13	0.069
7898	09/25/2008	10:05:14	0.070
7899	09/25/2008	10:05:15	0.069
7900	09/25/2008	10:05:16	0.072
7901	09/25/2008	10:05:17	0.075
7902	09/25/2008	10:05:18	0.067
7903	09/25/2008	10:05:19	0.069
7904	09/25/2008	10:05:20	0.068
7905	09/25/2008	10:05:21	0.068
7906	09/25/2008	10:05:22	0.071
7907	09/25/2008	10:05:23	0.120
7908	09/25/2008	10:05:24	0.061

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
7909	09/25/2008	10:05:25	0.080
7910	09/25/2008	10:05:26	0.067
7911	09/25/2008	10:05:27	0.069
7912	09/25/2008	10:05:28	0.077
7913	09/25/2008	10:05:29	0.069
7914	09/25/2008	10:05:30	0.074
7915	09/25/2008	10:05:31	0.066
7916	09/25/2008	10:05:32	0.067
7917	09/25/2008	10:05:33	0.069
7918	09/25/2008	10:05:34	0.083
7919	09/25/2008	10:05:35	0.066
7920	09/25/2008	10:05:36	0.071
7921	09/25/2008	10:05:37	0.068
7922	09/25/2008	10:05:38	0.076
7923	09/25/2008	10:05:39	0.076
7924	09/25/2008	10:05:40	0.071
7925	09/25/2008	10:05:41	0.079
7926	09/25/2008	10:05:42	0.067
7927	09/25/2008	10:05:43	0.075
7928	09/25/2008	10:05:44	0.068
7929	09/25/2008	10:05:45	0.066
7930	09/25/2008	10:05:46	0.080
7931	09/25/2008	10:05:47	0.067
7932	09/25/2008	10:05:48	0.074
7933	09/25/2008	10:05:49	0.070
7934	09/25/2008	10:05:50	0.069
7935	09/25/2008	10:05:51	0.075
7936	09/25/2008	10:05:52	0.078
7937	09/25/2008	10:05:53	0.070
7938	09/25/2008	10:05:54	0.064
7939	09/25/2008	10:05:55	0.098
7940	09/25/2008	10:05:56	0.068
7941	09/25/2008	10:05:57	0.068
7942	09/25/2008	10:05:58	0.073
7943	09/25/2008	10:05:59	0.084
7944	09/25/2008	10:06:00	0.077
7945	09/25/2008	10:06:01	0.079
7946	09/25/2008	10:06:02	0.074
7947	09/25/2008	10:06:03	0.066
7948	09/25/2008	10:06:04	0.069
7949	09/25/2008	10:06:05	0.069
7950	09/25/2008	10:06:06	0.065
7951	09/25/2008	10:06:07	0.068
7952	09/25/2008	10:06:08	0.070
7953	09/25/2008	10:06:09	0.156
7954	09/25/2008	10:06:10	0.069
7955	09/25/2008	10:06:11	0.071
7956	09/25/2008	10:06:12	0.069
7957	09/25/2008	10:06:13	0.067
7958	09/25/2008	10:06:14	0.076
7959	09/25/2008	10:06:15	0.077
7960	09/25/2008	10:06:16	0.081
7961	09/25/2008	10:06:17	0.067
7962	09/25/2008	10:06:18	0.067
7963	09/25/2008	10:06:19	0.064

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
7964	09/25/2008	10:06:20	0.071
7965	09/25/2008	10:06:21	0.065
7966	09/25/2008	10:06:22	0.070
7967	09/25/2008	10:06:23	0.065
7968	09/25/2008	10:06:24	0.068
7969	09/25/2008	10:06:25	0.073
7970	09/25/2008	10:06:26	0.068
7971	09/25/2008	10:06:27	0.071
7972	09/25/2008	10:06:28	0.069
7973	09/25/2008	10:06:29	0.074
7974	09/25/2008	10:06:30	0.075
7975	09/25/2008	10:06:31	0.068
7976	09/25/2008	10:06:32	0.066
7977	09/25/2008	10:06:33	0.073
7978	09/25/2008	10:06:34	0.068
7979	09/25/2008	10:06:35	0.070
7980	09/25/2008	10:06:36	0.067
7981	09/25/2008	10:06:37	0.069
7982	09/25/2008	10:06:38	0.069
7983	09/25/2008	10:06:39	0.066
7984	09/25/2008	10:06:40	0.073
7985	09/25/2008	10:06:41	0.064
7986	09/25/2008	10:06:42	0.083
7987	09/25/2008	10:06:43	0.067
7988	09/25/2008	10:06:44	0.069
7989	09/25/2008	10:06:45	0.067
7990	09/25/2008	10:06:46	0.073
7991	09/25/2008	10:06:47	0.073
7992	09/25/2008	10:06:48	0.083
7993	09/25/2008	10:06:49	0.068
7994	09/25/2008	10:06:50	0.064
7995	09/25/2008	10:06:51	0.068
7996	09/25/2008	10:06:52	0.072
7997	09/25/2008	10:06:53	0.069
7998	09/25/2008	10:06:54	0.068
7999	09/25/2008	10:06:55	0.120
8000	09/25/2008	10:06:56	0.096
8001	09/25/2008	10:06:57	0.070
8002	09/25/2008	10:06:58	0.081
8003	09/25/2008	10:06:59	0.067
8004	09/25/2008	10:07:00	0.068
8005	09/25/2008	10:07:01	0.071
8006	09/25/2008	10:07:02	0.075
8007	09/25/2008	10:07:03	0.077
8008	09/25/2008	10:07:04	0.069
8009	09/25/2008	10:07:05	0.084
8010	09/25/2008	10:07:06	0.067
8011	09/25/2008	10:07:07	0.071
8012	09/25/2008	10:07:08	0.071
8013	09/25/2008	10:07:09	0.071
8014	09/25/2008	10:07:10	0.089
8015	09/25/2008	10:07:11	0.062
8016	09/25/2008	10:07:12	0.078
8017	09/25/2008	10:07:13	0.068
8018	09/25/2008	10:07:14	0.066

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
8019	09/25/2008	10:07:15	0.074
8020	09/25/2008	10:07:16	0.065
8021	09/25/2008	10:07:17	0.074
8022	09/25/2008	10:07:18	0.069
8023	09/25/2008	10:07:19	0.080
8024	09/25/2008	10:07:20	0.077
8025	09/25/2008	10:07:21	0.104
8026	09/25/2008	10:07:22	0.074
8027	09/25/2008	10:07:23	0.070
8028	09/25/2008	10:07:24	0.104
8029	09/25/2008	10:07:25	0.073
8030	09/25/2008	10:07:26	0.068
8031	09/25/2008	10:07:27	0.091
8032	09/25/2008	10:07:28	0.070
8033	09/25/2008	10:07:29	0.076
8034	09/25/2008	10:07:30	0.077
8035	09/25/2008	10:07:31	0.070
8036	09/25/2008	10:07:32	0.077
8037	09/25/2008	10:07:33	0.070
8038	09/25/2008	10:07:34	0.065
8039	09/25/2008	10:07:35	0.068
8040	09/25/2008	10:07:36	0.068
8041	09/25/2008	10:07:37	0.075
8042	09/25/2008	10:07:38	0.088
8043	09/25/2008	10:07:39	0.064
8044	09/25/2008	10:07:40	0.069
8045	09/25/2008	10:07:41	0.074
8046	09/25/2008	10:07:42	0.071
8047	09/25/2008	10:07:43	0.116
8048	09/25/2008	10:07:44	0.071
8049	09/25/2008	10:07:45	0.069
8050	09/25/2008	10:07:46	0.066
8051	09/25/2008	10:07:47	0.066
8052	09/25/2008	10:07:48	0.072
8053	09/25/2008	10:07:49	0.063
8054	09/25/2008	10:07:50	0.067
8055	09/25/2008	10:07:51	0.069
8056	09/25/2008	10:07:52	0.063
8057	09/25/2008	10:07:53	0.071
8058	09/25/2008	10:07:54	0.065
8059	09/25/2008	10:07:55	0.076
8060	09/25/2008	10:07:56	0.072
8061	09/25/2008	10:07:57	0.071
8062	09/25/2008	10:07:58	0.074
8063	09/25/2008	10:07:59	0.072
8064	09/25/2008	10:08:00	0.066
8065	09/25/2008	10:08:01	0.074
8066	09/25/2008	10:08:02	0.072
8067	09/25/2008	10:08:03	0.068
8068	09/25/2008	10:08:04	0.069
8069	09/25/2008	10:08:05	0.063
8070	09/25/2008	10:08:06	0.084
8071	09/25/2008	10:08:07	0.068
8072	09/25/2008	10:08:08	0.073
8073	09/25/2008	10:08:09	0.065

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
8074	09/25/2008	10:08:10	0.065
8075	09/25/2008	10:08:11	0.066
8076	09/25/2008	10:08:12	0.069
8077	09/25/2008	10:08:13	0.068
8078	09/25/2008	10:08:14	0.069
8079	09/25/2008	10:08:15	0.068
8080	09/25/2008	10:08:16	0.078
8081	09/25/2008	10:08:17	0.075
8082	09/25/2008	10:08:18	0.066
8083	09/25/2008	10:08:19	0.070
8084	09/25/2008	10:08:20	0.069
8085	09/25/2008	10:08:21	0.070
8086	09/25/2008	10:08:22	0.068
8087	09/25/2008	10:08:23	0.065
8088	09/25/2008	10:08:24	0.075
8089	09/25/2008	10:08:25	0.068
8090	09/25/2008	10:08:26	0.085
8091	09/25/2008	10:08:27	0.082
8092	09/25/2008	10:08:28	0.064
8093	09/25/2008	10:08:29	0.062
8094	09/25/2008	10:08:30	0.083
8095	09/25/2008	10:08:31	0.074
8096	09/25/2008	10:08:32	0.077
8097	09/25/2008	10:08:33	0.071
8098	09/25/2008	10:08:34	0.071
8099	09/25/2008	10:08:35	0.073
8100	09/25/2008	10:08:36	0.070
8101	09/25/2008	10:08:37	0.084
8102	09/25/2008	10:08:38	0.085
8103	09/25/2008	10:08:39	0.068
8104	09/25/2008	10:08:40	0.064
8105	09/25/2008	10:08:41	0.074
8106	09/25/2008	10:08:42	0.073
8107	09/25/2008	10:08:43	0.076
8108	09/25/2008	10:08:44	0.093
8109	09/25/2008	10:08:45	0.070
8110	09/25/2008	10:08:46	0.068
8111	09/25/2008	10:08:47	0.073
8112	09/25/2008	10:08:48	0.090
8113	09/25/2008	10:08:49	0.069
8114	09/25/2008	10:08:50	0.065
8115	09/25/2008	10:08:51	0.073
8116	09/25/2008	10:08:52	0.069
8117	09/25/2008	10:08:53	0.073
8118	09/25/2008	10:08:54	0.068
8119	09/25/2008	10:08:55	0.073
8120	09/25/2008	10:08:56	0.067
8121	09/25/2008	10:08:57	0.072
8122	09/25/2008	10:08:58	0.070
8123	09/25/2008	10:08:59	0.066
8124	09/25/2008	10:09:00	0.072
8125	09/25/2008	10:09:01	0.079
8126	09/25/2008	10:09:02	0.068
8127	09/25/2008	10:09:03	0.073
8128	09/25/2008	10:09:04	0.073

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
8129	09/25/2008	10:09:05	0.077
8130	09/25/2008	10:09:06	0.061
8131	09/25/2008	10:09:07	0.074
8132	09/25/2008	10:09:08	0.084
8133	09/25/2008	10:09:09	0.074
8134	09/25/2008	10:09:10	0.076
8135	09/25/2008	10:09:11	0.075
8136	09/25/2008	10:09:12	0.074
8137	09/25/2008	10:09:13	0.070
8138	09/25/2008	10:09:14	0.076
8139	09/25/2008	10:09:15	0.067
8140	09/25/2008	10:09:16	0.073
8141	09/25/2008	10:09:17	0.080
8142	09/25/2008	10:09:18	0.074
8143	09/25/2008	10:09:19	0.071
8144	09/25/2008	10:09:20	0.082
8145	09/25/2008	10:09:21	0.077
8146	09/25/2008	10:09:22	0.087
8147	09/25/2008	10:09:23	0.071
8148	09/25/2008	10:09:24	0.116
8149	09/25/2008	10:09:25	0.073
8150	09/25/2008	10:09:26	0.091
8151	09/25/2008	10:09:27	0.072
8152	09/25/2008	10:09:28	0.075
8153	09/25/2008	10:09:29	0.073
8154	09/25/2008	10:09:30	0.080
8155	09/25/2008	10:09:31	0.079
8156	09/25/2008	10:09:32	0.066
8157	09/25/2008	10:09:33	0.099
8158	09/25/2008	10:09:34	0.074
8159	09/25/2008	10:09:35	0.069
8160	09/25/2008	10:09:36	0.067
8161	09/25/2008	10:09:37	0.068
8162	09/25/2008	10:09:38	0.063
8163	09/25/2008	10:09:39	0.065
8164	09/25/2008	10:09:40	0.078
8165	09/25/2008	10:09:41	0.109
8166	09/25/2008	10:09:42	0.074
8167	09/25/2008	10:09:43	0.089
8168	09/25/2008	10:09:44	0.066
8169	09/25/2008	10:09:45	0.069
8170	09/25/2008	10:09:46	0.068
8171	09/25/2008	10:09:47	0.066
8172	09/25/2008	10:09:48	0.073
8173	09/25/2008	10:09:49	0.073
8174	09/25/2008	10:09:50	0.065
8175	09/25/2008	10:09:51	0.064
8176	09/25/2008	10:09:52	0.069
8177	09/25/2008	10:09:53	0.065
8178	09/25/2008	10:09:54	0.069
8179	09/25/2008	10:09:55	0.071
8180	09/25/2008	10:09:56	0.078
8181	09/25/2008	10:09:57	0.081
8182	09/25/2008	10:09:58	0.072
8183	09/25/2008	10:09:59	0.073

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
8184	09/25/2008	10:10:00	0.064
8185	09/25/2008	10:10:01	0.069
8186	09/25/2008	10:10:02	0.062
8187	09/25/2008	10:10:03	0.081
8188	09/25/2008	10:10:04	0.066
8189	09/25/2008	10:10:05	0.097
8190	09/25/2008	10:10:06	0.068
8191	09/25/2008	10:10:07	0.074
8192	09/25/2008	10:10:08	0.068
8193	09/25/2008	10:10:09	0.073
8194	09/25/2008	10:10:10	0.070
8195	09/25/2008	10:10:11	0.076
8196	09/25/2008	10:10:12	0.064
8197	09/25/2008	10:10:13	0.067
8198	09/25/2008	10:10:14	0.081
8199	09/25/2008	10:10:15	0.070
8200	09/25/2008	10:10:16	0.068
8201	09/25/2008	10:10:17	0.071
8202	09/25/2008	10:10:18	0.116
8203	09/25/2008	10:10:19	0.071
8204	09/25/2008	10:10:20	0.072
8205	09/25/2008	10:10:21	0.073
8206	09/25/2008	10:10:22	0.068
8207	09/25/2008	10:10:23	0.073
8208	09/25/2008	10:10:24	0.073
8209	09/25/2008	10:10:25	0.083
8210	09/25/2008	10:10:26	0.069
8211	09/25/2008	10:10:27	0.062
8212	09/25/2008	10:10:28	0.068
8213	09/25/2008	10:10:29	0.071
8214	09/25/2008	10:10:30	0.075
8215	09/25/2008	10:10:31	0.068
8216	09/25/2008	10:10:32	0.069
8217	09/25/2008	10:10:33	0.065
8218	09/25/2008	10:10:34	0.070
8219	09/25/2008	10:10:35	0.073
8220	09/25/2008	10:10:36	0.087
8221	09/25/2008	10:10:37	0.137
8222	09/25/2008	10:10:38	0.070
8223	09/25/2008	10:10:39	0.068
8224	09/25/2008	10:10:40	0.065
8225	09/25/2008	10:10:41	0.067
8226	09/25/2008	10:10:42	0.083
8227	09/25/2008	10:10:43	0.082
8228	09/25/2008	10:10:44	0.141
8229	09/25/2008	10:10:45	0.100
8230	09/25/2008	10:10:46	0.074
8231	09/25/2008	10:10:47	0.074
8232	09/25/2008	10:10:48	0.065
8233	09/25/2008	10:10:49	0.067
8234	09/25/2008	10:10:50	0.065
8235	09/25/2008	10:10:51	0.066
8236	09/25/2008	10:10:52	0.071
8237	09/25/2008	10:10:53	0.067
8238	09/25/2008	10:10:54	0.066



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
8239	09/25/2008	10:10:55	0.085
8240	09/25/2008	10:10:56	0.066
8241	09/25/2008	10:10:57	0.070
8242	09/25/2008	10:10:58	0.066
8243	09/25/2008	10:10:59	0.073
8244	09/25/2008	10:11:00	0.075
8245	09/25/2008	10:11:01	0.068
8246	09/25/2008	10:11:02	0.064
8247	09/25/2008	10:11:03	0.062
8248	09/25/2008	10:11:04	0.068
8249	09/25/2008	10:11:05	0.066
8250	09/25/2008	10:11:06	0.071
8251	09/25/2008	10:11:07	0.067
8252	09/25/2008	10:11:08	0.073
8253	09/25/2008	10:11:09	0.077
8254	09/25/2008	10:11:10	0.072
8255	09/25/2008	10:11:11	0.069
8256	09/25/2008	10:11:12	0.068
8257	09/25/2008	10:11:13	0.083
8258	09/25/2008	10:11:14	0.067
8259	09/25/2008	10:11:15	0.071
8260	09/25/2008	10:11:16	0.074
8261	09/25/2008	10:11:17	0.063
8262	09/25/2008	10:11:18	0.069
8263	09/25/2008	10:11:19	0.076
8264	09/25/2008	10:11:20	0.068
8265	09/25/2008	10:11:21	0.080
8266	09/25/2008	10:11:22	0.063
8267	09/25/2008	10:11:23	0.069
8268	09/25/2008	10:11:24	0.067
8269	09/25/2008	10:11:25	0.071
8270	09/25/2008	10:11:26	0.065
8271	09/25/2008	10:11:27	0.068
8272	09/25/2008	10:11:28	0.069
8273	09/25/2008	10:11:29	0.075
8274	09/25/2008	10:11:30	0.075
8275	09/25/2008	10:11:31	0.078
8276	09/25/2008	10:11:32	0.064
8277	09/25/2008	10:11:33	0.064
8278	09/25/2008	10:11:34	0.067
8279	09/25/2008	10:11:35	0.073
8280	09/25/2008	10:11:36	0.075
8281	09/25/2008	10:11:37	0.079
8282	09/25/2008	10:11:38	0.092
8283	09/25/2008	10:11:39	0.074
8284	09/25/2008	10:11:40	0.072
8285	09/25/2008	10:11:41	0.066
8286	09/25/2008	10:11:42	0.072
8287	09/25/2008	10:11:43	0.093
8288	09/25/2008	10:11:44	0.069
8289	09/25/2008	10:11:45	0.092
8290	09/25/2008	10:11:46	0.071
8291	09/25/2008	10:11:47	0.065
8292	09/25/2008	10:11:48	0.065
8293	09/25/2008	10:11:49	0.075

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
8294	09/25/2008	10:11:50	0.066
8295	09/25/2008	10:11:51	0.068
8296	09/25/2008	10:11:52	0.067
8297	09/25/2008	10:11:53	0.070
8298	09/25/2008	10:11:54	0.093
8299	09/25/2008	10:11:55	0.073
8300	09/25/2008	10:11:56	0.114
8301	09/25/2008	10:11:57	0.135
8302	09/25/2008	10:11:58	0.110
8303	09/25/2008	10:11:59	0.104
8304	09/25/2008	10:12:00	0.166
8305	09/25/2008	10:12:01	0.105
8306	09/25/2008	10:12:02	0.104
8307	09/25/2008	10:12:03	0.085
8308	09/25/2008	10:12:04	0.078
8309	09/25/2008	10:12:05	0.087
8310	09/25/2008	10:12:06	0.079
8311	09/25/2008	10:12:07	0.073
8312	09/25/2008	10:12:08	0.076
8313	09/25/2008	10:12:09	0.087
8314	09/25/2008	10:12:10	0.075
8315	09/25/2008	10:12:11	0.095
8316	09/25/2008	10:12:12	0.073
8317	09/25/2008	10:12:13	0.065
8318	09/25/2008	10:12:14	0.069
8319	09/25/2008	10:12:15	0.096
8320	09/25/2008	10:12:16	0.079
8321	09/25/2008	10:12:17	0.068
8322	09/25/2008	10:12:18	0.073
8323	09/25/2008	10:12:19	0.070
8324	09/25/2008	10:12:20	0.072
8325	09/25/2008	10:12:21	0.067
8326	09/25/2008	10:12:22	0.066
8327	09/25/2008	10:12:23	0.064
8328	09/25/2008	10:12:24	0.078
8329	09/25/2008	10:12:25	0.065
8330	09/25/2008	10:12:26	0.071
8331	09/25/2008	10:12:27	0.086
8332	09/25/2008	10:12:28	0.069
8333	09/25/2008	10:12:29	0.073
8334	09/25/2008	10:12:30	0.066
8335	09/25/2008	10:12:31	0.064
8336	09/25/2008	10:12:32	0.068
8337	09/25/2008	10:12:33	0.073
8338	09/25/2008	10:12:34	0.066
8339	09/25/2008	10:12:35	0.067
8340	09/25/2008	10:12:36	0.076
8341	09/25/2008	10:12:37	0.066
8342	09/25/2008	10:12:38	0.077
8343	09/25/2008	10:12:39	0.061
8344	09/25/2008	10:12:40	0.074
8345	09/25/2008	10:12:41	0.077
8346	09/25/2008	10:12:42	0.065
8347	09/25/2008	10:12:43	0.074
8348	09/25/2008	10:12:44	0.076

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
8349	09/25/2008	10:12:45	0.068
8350	09/25/2008	10:12:46	0.066
8351	09/25/2008	10:12:47	0.066
8352	09/25/2008	10:12:48	0.073
8353	09/25/2008	10:12:49	0.066
8354	09/25/2008	10:12:50	0.070
8355	09/25/2008	10:12:51	0.093
8356	09/25/2008	10:12:52	0.088
8357	09/25/2008	10:12:53	0.072
8358	09/25/2008	10:12:54	0.071
8359	09/25/2008	10:12:55	0.078
8360	09/25/2008	10:12:56	0.064
8361	09/25/2008	10:12:57	0.071
8362	09/25/2008	10:12:58	0.070
8363	09/25/2008	10:12:59	0.065
8364	09/25/2008	10:13:00	0.069
8365	09/25/2008	10:13:01	0.063
8366	09/25/2008	10:13:02	0.067
8367	09/25/2008	10:13:03	0.062
8368	09/25/2008	10:13:04	0.063
8369	09/25/2008	10:13:05	0.064
8370	09/25/2008	10:13:06	0.079
8371	09/25/2008	10:13:07	0.066
8372	09/25/2008	10:13:08	0.065
8373	09/25/2008	10:13:09	0.066
8374	09/25/2008	10:13:10	0.111
8375	09/25/2008	10:13:11	0.073
8376	09/25/2008	10:13:12	0.073
8377	09/25/2008	10:13:13	0.064
8378	09/25/2008	10:13:14	0.075
8379	09/25/2008	10:13:15	0.069
8380	09/25/2008	10:13:16	0.072
8381	09/25/2008	10:13:17	0.065
8382	09/25/2008	10:13:18	0.069
8383	09/25/2008	10:13:19	0.086
8384	09/25/2008	10:13:20	0.065
8385	09/25/2008	10:13:21	0.061
8386	09/25/2008	10:13:22	0.061
8387	09/25/2008	10:13:23	0.077
8388	09/25/2008	10:13:24	0.067
8389	09/25/2008	10:13:25	0.071
8390	09/25/2008	10:13:26	0.062
8391	09/25/2008	10:13:27	0.064
8392	09/25/2008	10:13:28	0.073
8393	09/25/2008	10:13:29	0.065
8394	09/25/2008	10:13:30	0.080
8395	09/25/2008	10:13:31	0.070
8396	09/25/2008	10:13:32	0.072
8397	09/25/2008	10:13:33	0.100
8398	09/25/2008	10:13:34	0.068
8399	09/25/2008	10:13:35	0.062
8400	09/25/2008	10:13:36	0.075
8401	09/25/2008	10:13:37	0.075
8402	09/25/2008	10:13:38	0.067
8403	09/25/2008	10:13:39	0.067

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
8404	09/25/2008	10:13:40	0.066
8405	09/25/2008	10:13:41	0.067
8406	09/25/2008	10:13:42	0.065
8407	09/25/2008	10:13:43	0.070
8408	09/25/2008	10:13:44	0.084
8409	09/25/2008	10:13:45	0.064
8410	09/25/2008	10:13:46	0.067
8411	09/25/2008	10:13:47	0.076
8412	09/25/2008	10:13:48	0.091
8413	09/25/2008	10:13:49	0.072
8414	09/25/2008	10:13:50	0.066
8415	09/25/2008	10:13:51	0.126
8416	09/25/2008	10:13:52	0.064
8417	09/25/2008	10:13:53	0.071
8418	09/25/2008	10:13:54	0.065
8419	09/25/2008	10:13:55	0.067
8420	09/25/2008	10:13:56	0.060
8421	09/25/2008	10:13:57	0.062
8422	09/25/2008	10:13:58	0.065
8423	09/25/2008	10:13:59	0.062
8424	09/25/2008	10:14:00	0.071
8425	09/25/2008	10:14:01	0.071
8426	09/25/2008	10:14:02	0.071
8427	09/25/2008	10:14:03	0.063
8428	09/25/2008	10:14:04	0.065
8429	09/25/2008	10:14:05	0.072
8430	09/25/2008	10:14:06	0.100
8431	09/25/2008	10:14:07	0.066
8432	09/25/2008	10:14:08	0.072
8433	09/25/2008	10:14:09	0.069
8434	09/25/2008	10:14:10	0.064
8435	09/25/2008	10:14:11	0.074
8436	09/25/2008	10:14:12	0.070
8437	09/25/2008	10:14:13	0.091
8438	09/25/2008	10:14:14	0.065
8439	09/25/2008	10:14:15	0.065
8440	09/25/2008	10:14:16	0.065
8441	09/25/2008	10:14:17	0.072
8442	09/25/2008	10:14:18	0.068
8443	09/25/2008	10:14:19	0.066
8444	09/25/2008	10:14:20	0.067
8445	09/25/2008	10:14:21	0.066
8446	09/25/2008	10:14:22	0.065
8447	09/25/2008	10:14:23	0.070
8448	09/25/2008	10:14:24	0.069
8449	09/25/2008	10:14:25	0.060
8450	09/25/2008	10:14:26	0.067
8451	09/25/2008	10:14:27	0.067
8452	09/25/2008	10:14:28	0.060
8453	09/25/2008	10:14:29	0.067
8454	09/25/2008	10:14:30	0.076
8455	09/25/2008	10:14:31	0.116
8456	09/25/2008	10:14:32	0.068
8457	09/25/2008	10:14:33	0.061
8458	09/25/2008	10:14:34	0.068

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
8459	09/25/2008	10:14:35	0.059
8460	09/25/2008	10:14:36	0.095
8461	09/25/2008	10:14:37	0.067
8462	09/25/2008	10:14:38	0.063
8463	09/25/2008	10:14:39	0.126
8464	09/25/2008	10:14:40	0.076
8465	09/25/2008	10:14:41	0.069
8466	09/25/2008	10:14:42	0.097
8467	09/25/2008	10:14:43	0.080
8468	09/25/2008	10:14:44	0.066
8469	09/25/2008	10:14:45	0.086
8470	09/25/2008	10:14:46	0.064
8471	09/25/2008	10:14:47	0.065
8472	09/25/2008	10:14:48	0.067
8473	09/25/2008	10:14:49	0.061
8474	09/25/2008	10:14:50	0.064
8475	09/25/2008	10:14:51	0.087
8476	09/25/2008	10:14:52	0.073
8477	09/25/2008	10:14:53	0.083
8478	09/25/2008	10:14:54	0.072
8479	09/25/2008	10:14:55	0.081
8480	09/25/2008	10:14:56	0.071
8481	09/25/2008	10:14:57	0.073
8482	09/25/2008	10:14:58	0.087
8483	09/25/2008	10:14:59	0.065
8484	09/25/2008	10:15:00	0.065
8485	09/25/2008	10:15:01	0.094
8486	09/25/2008	10:15:02	0.087
8487	09/25/2008	10:15:03	0.067
8488	09/25/2008	10:15:04	0.067
8489	09/25/2008	10:15:05	0.063
8490	09/25/2008	10:15:06	0.061
8491	09/25/2008	10:15:07	0.066
8492	09/25/2008	10:15:08	0.069
8493	09/25/2008	10:15:09	0.070
8494	09/25/2008	10:15:10	0.067
8495	09/25/2008	10:15:11	0.068
8496	09/25/2008	10:15:12	0.070
8497	09/25/2008	10:15:13	0.071
8498	09/25/2008	10:15:14	0.075
8499	09/25/2008	10:15:15	0.071
8500	09/25/2008	10:15:16	0.080
8501	09/25/2008	10:15:17	0.067
8502	09/25/2008	10:15:18	0.072
8503	09/25/2008	10:15:19	0.082
8504	09/25/2008	10:15:20	0.067
8505	09/25/2008	10:15:21	0.071
8506	09/25/2008	10:15:22	0.074
8507	09/25/2008	10:15:23	0.067
8508	09/25/2008	10:15:24	0.075
8509	09/25/2008	10:15:25	0.143
8510	09/25/2008	10:15:26	0.069
8511	09/25/2008	10:15:27	0.073
8512	09/25/2008	10:15:28	0.078
8513	09/25/2008	10:15:29	0.072

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
8514	09/25/2008	10:15:30	0.069
8515	09/25/2008	10:15:31	0.062
8516	09/25/2008	10:15:32	0.065
8517	09/25/2008	10:15:33	0.063
8518	09/25/2008	10:15:34	0.068
8519	09/25/2008	10:15:35	0.067
8520	09/25/2008	10:15:36	0.065
8521	09/25/2008	10:15:37	0.063
8522	09/25/2008	10:15:38	0.062
8523	09/25/2008	10:15:39	0.066
8524	09/25/2008	10:15:40	0.068
8525	09/25/2008	10:15:41	0.069
8526	09/25/2008	10:15:42	0.064
8527	09/25/2008	10:15:43	0.064
8528	09/25/2008	10:15:44	0.066
8529	09/25/2008	10:15:45	0.071
8530	09/25/2008	10:15:46	0.062
8531	09/25/2008	10:15:47	0.087
8532	09/25/2008	10:15:48	0.062
8533	09/25/2008	10:15:49	0.081
8534	09/25/2008	10:15:50	0.072
8535	09/25/2008	10:15:51	0.069
8536	09/25/2008	10:15:52	0.064
8537	09/25/2008	10:15:53	0.082
8538	09/25/2008	10:15:54	0.080
8539	09/25/2008	10:15:55	0.063
8540	09/25/2008	10:15:56	0.067
8541	09/25/2008	10:15:57	0.128
8542	09/25/2008	10:15:58	0.069
8543	09/25/2008	10:15:59	0.069
8544	09/25/2008	10:16:00	0.071
8545	09/25/2008	10:16:01	0.063
8546	09/25/2008	10:16:02	0.075
8547	09/25/2008	10:16:03	0.123
8548	09/25/2008	10:16:04	0.072
8549	09/25/2008	10:16:05	0.074
8550	09/25/2008	10:16:06	0.104
8551	09/25/2008	10:16:07	0.101
8552	09/25/2008	10:16:08	0.111
8553	09/25/2008	10:16:09	0.074
8554	09/25/2008	10:16:10	0.072
8555	09/25/2008	10:16:11	0.071
8556	09/25/2008	10:16:12	0.067
8557	09/25/2008	10:16:13	0.074
8558	09/25/2008	10:16:14	0.081
8559	09/25/2008	10:16:15	0.097
8560	09/25/2008	10:16:16	0.065
8561	09/25/2008	10:16:17	0.064
8562	09/25/2008	10:16:18	0.063
8563	09/25/2008	10:16:19	0.076
8564	09/25/2008	10:16:20	0.067
8565	09/25/2008	10:16:21	0.068
8566	09/25/2008	10:16:22	0.067
8567	09/25/2008	10:16:23	0.064
8568	09/25/2008	10:16:24	0.070

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
8569	09/25/2008	10:16:25	0.069
8570	09/25/2008	10:16:26	0.060
8571	09/25/2008	10:16:27	0.065
8572	09/25/2008	10:16:28	0.069
8573	09/25/2008	10:16:29	0.064
8574	09/25/2008	10:16:30	0.069
8575	09/25/2008	10:16:31	0.063
8576	09/25/2008	10:16:32	0.063
8577	09/25/2008	10:16:33	0.063
8578	09/25/2008	10:16:34	0.061
8579	09/25/2008	10:16:35	0.071
8580	09/25/2008	10:16:36	0.060
8581	09/25/2008	10:16:37	0.067
8582	09/25/2008	10:16:38	0.064
8583	09/25/2008	10:16:39	0.065
8584	09/25/2008	10:16:40	0.063
8585	09/25/2008	10:16:41	0.067
8586	09/25/2008	10:16:42	0.066
8587	09/25/2008	10:16:43	0.072
8588	09/25/2008	10:16:44	0.071
8589	09/25/2008	10:16:45	0.089
8590	09/25/2008	10:16:46	0.077
8591	09/25/2008	10:16:47	0.067
8592	09/25/2008	10:16:48	0.063
8593	09/25/2008	10:16:49	0.060
8594	09/25/2008	10:16:50	0.061
8595	09/25/2008	10:16:51	0.078
8596	09/25/2008	10:16:52	0.069
8597	09/25/2008	10:16:53	0.071
8598	09/25/2008	10:16:54	0.090
8599	09/25/2008	10:16:55	0.063
8600	09/25/2008	10:16:56	0.066
8601	09/25/2008	10:16:57	0.060
8602	09/25/2008	10:16:58	0.061
8603	09/25/2008	10:16:59	0.064
8604	09/25/2008	10:17:00	0.070
8605	09/25/2008	10:17:01	0.064
8606	09/25/2008	10:17:02	0.087
8607	09/25/2008	10:17:03	0.063
8608	09/25/2008	10:17:04	0.068
8609	09/25/2008	10:17:05	0.067
8610	09/25/2008	10:17:06	0.064
8611	09/25/2008	10:17:07	0.065
8612	09/25/2008	10:17:08	0.185
8613	09/25/2008	10:17:09	0.064
8614	09/25/2008	10:17:10	0.070
8615	09/25/2008	10:17:11	0.074
8616	09/25/2008	10:17:12	0.065
8617	09/25/2008	10:17:13	0.074
8618	09/25/2008	10:17:14	0.061
8619	09/25/2008	10:17:15	0.081
8620	09/25/2008	10:17:16	0.069
8621	09/25/2008	10:17:17	0.173
8622	09/25/2008	10:17:18	0.069
8623	09/25/2008	10:17:19	0.075

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
8624	09/25/2008	10:17:20	0.122
8625	09/25/2008	10:17:21	0.062
8626	09/25/2008	10:17:22	0.067
8627	09/25/2008	10:17:23	0.058
8628	09/25/2008	10:17:24	0.063
8629	09/25/2008	10:17:25	0.102
8630	09/25/2008	10:17:26	0.061
8631	09/25/2008	10:17:27	0.064
8632	09/25/2008	10:17:28	0.066
8633	09/25/2008	10:17:29	0.184
8634	09/25/2008	10:17:30	0.075
8635	09/25/2008	10:17:31	0.066
8636	09/25/2008	10:17:32	0.062
8637	09/25/2008	10:17:33	0.065
8638	09/25/2008	10:17:34	0.073
8639	09/25/2008	10:17:35	0.071
8640	09/25/2008	10:17:36	0.064
8641	09/25/2008	10:17:37	0.077
8642	09/25/2008	10:17:38	0.074
8643	09/25/2008	10:17:39	0.070
8644	09/25/2008	10:17:40	0.066
8645	09/25/2008	10:17:41	0.066
8646	09/25/2008	10:17:42	0.149
8647	09/25/2008	10:17:43	0.083
8648	09/25/2008	10:17:44	0.066
8649	09/25/2008	10:17:45	0.061
8650	09/25/2008	10:17:46	0.063
8651	09/25/2008	10:17:47	0.065
8652	09/25/2008	10:17:48	0.059
8653	09/25/2008	10:17:49	0.063
8654	09/25/2008	10:17:50	0.067
8655	09/25/2008	10:17:51	0.072
8656	09/25/2008	10:17:52	0.059
8657	09/25/2008	10:17:53	0.063
8658	09/25/2008	10:17:54	0.061
8659	09/25/2008	10:17:55	0.083
8660	09/25/2008	10:17:56	0.081
8661	09/25/2008	10:17:57	0.068
8662	09/25/2008	10:17:58	0.101
8663	09/25/2008	10:17:59	0.090
8664	09/25/2008	10:18:00	0.065
8665	09/25/2008	10:18:01	0.063
8666	09/25/2008	10:18:02	0.077
8667	09/25/2008	10:18:03	0.063
8668	09/25/2008	10:18:04	0.071
8669	09/25/2008	10:18:05	0.075
8670	09/25/2008	10:18:06	0.080
8671	09/25/2008	10:18:07	0.072
8672	09/25/2008	10:18:08	0.074
8673	09/25/2008	10:18:09	0.064
8674	09/25/2008	10:18:10	0.072
8675	09/25/2008	10:18:11	0.068
8676	09/25/2008	10:18:12	0.070
8677	09/25/2008	10:18:13	0.074
8678	09/25/2008	10:18:14	0.062



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
8679	09/25/2008	10:18:15	0.080
8680	09/25/2008	10:18:16	0.063
8681	09/25/2008	10:18:17	0.064
8682	09/25/2008	10:18:18	0.076
8683	09/25/2008	10:18:19	0.073
8684	09/25/2008	10:18:20	0.070
8685	09/25/2008	10:18:21	0.065
8686	09/25/2008	10:18:22	0.062
8687	09/25/2008	10:18:23	0.065
8688	09/25/2008	10:18:24	0.069
8689	09/25/2008	10:18:25	0.058
8690	09/25/2008	10:18:26	0.066
8691	09/25/2008	10:18:27	0.071
8692	09/25/2008	10:18:28	0.078
8693	09/25/2008	10:18:29	0.066
8694	09/25/2008	10:18:30	0.064
8695	09/25/2008	10:18:31	0.074
8696	09/25/2008	10:18:32	0.080
8697	09/25/2008	10:18:33	0.125
8698	09/25/2008	10:18:34	0.203
8699	09/25/2008	10:18:35	0.093
8700	09/25/2008	10:18:36	0.078
8701	09/25/2008	10:18:37	0.090
8702	09/25/2008	10:18:38	0.070
8703	09/25/2008	10:18:39	0.076
8704	09/25/2008	10:18:40	0.069
8705	09/25/2008	10:18:41	0.079
8706	09/25/2008	10:18:42	0.072
8707	09/25/2008	10:18:43	0.079
8708	09/25/2008	10:18:44	0.106
8709	09/25/2008	10:18:45	0.103
8710	09/25/2008	10:18:46	0.062
8711	09/25/2008	10:18:47	0.068
8712	09/25/2008	10:18:48	0.068
8713	09/25/2008	10:18:49	0.062
8714	09/25/2008	10:18:50	0.081
8715	09/25/2008	10:18:51	0.071
8716	09/25/2008	10:18:52	0.074
8717	09/25/2008	10:18:53	0.091
8718	09/25/2008	10:18:54	0.091
8719	09/25/2008	10:18:55	0.070
8720	09/25/2008	10:18:56	0.066
8721	09/25/2008	10:18:57	0.072
8722	09/25/2008	10:18:58	0.061
8723	09/25/2008	10:18:59	0.070
8724	09/25/2008	10:19:00	0.068
8725	09/25/2008	10:19:01	0.066
8726	09/25/2008	10:19:02	0.067
8727	09/25/2008	10:19:03	0.078
8728	09/25/2008	10:19:04	0.068
8729	09/25/2008	10:19:05	0.066
8730	09/25/2008	10:19:06	0.064
8731	09/25/2008	10:19:07	0.085
8732	09/25/2008	10:19:08	0.073
8733	09/25/2008	10:19:09	0.065

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
8734	09/25/2008	10:19:10	0.063
8735	09/25/2008	10:19:11	0.064
8736	09/25/2008	10:19:12	0.072
8737	09/25/2008	10:19:13	0.071
8738	09/25/2008	10:19:14	0.060
8739	09/25/2008	10:19:15	0.067
8740	09/25/2008	10:19:16	0.080
8741	09/25/2008	10:19:17	0.099
8742	09/25/2008	10:19:18	0.091
8743	09/25/2008	10:19:19	0.087
8744	09/25/2008	10:19:20	0.082
8745	09/25/2008	10:19:21	0.076
8746	09/25/2008	10:19:22	0.094
8747	09/25/2008	10:19:23	0.129
8748	09/25/2008	10:19:24	0.064
8749	09/25/2008	10:19:25	0.066
8750	09/25/2008	10:19:26	0.087
8751	09/25/2008	10:19:27	0.063
8752	09/25/2008	10:19:28	0.072
8753	09/25/2008	10:19:29	0.080
8754	09/25/2008	10:19:30	0.114
8755	09/25/2008	10:19:31	0.122
8756	09/25/2008	10:19:32	0.074
8757	09/25/2008	10:19:33	0.080
8758	09/25/2008	10:19:34	0.075
8759	09/25/2008	10:19:35	0.071
8760	09/25/2008	10:19:36	0.072
8761	09/25/2008	10:19:37	0.067
8762	09/25/2008	10:19:38	0.072
8763	09/25/2008	10:19:39	0.081
8764	09/25/2008	10:19:40	0.075
8765	09/25/2008	10:19:41	0.067
8766	09/25/2008	10:19:42	0.072
8767	09/25/2008	10:19:43	0.073
8768	09/25/2008	10:19:44	0.069
8769	09/25/2008	10:19:45	0.068
8770	09/25/2008	10:19:46	0.061
8771	09/25/2008	10:19:47	0.064
8772	09/25/2008	10:19:48	0.063
8773	09/25/2008	10:19:49	0.074
8774	09/25/2008	10:19:50	0.071
8775	09/25/2008	10:19:51	0.067
8776	09/25/2008	10:19:52	0.062
8777	09/25/2008	10:19:53	0.091
8778	09/25/2008	10:19:54	0.062
8779	09/25/2008	10:19:55	0.075
8780	09/25/2008	10:19:56	0.074
8781	09/25/2008	10:19:57	0.069
8782	09/25/2008	10:19:58	0.087
8783	09/25/2008	10:19:59	0.072
8784	09/25/2008	10:20:00	0.080
8785	09/25/2008	10:20:01	0.060
8786	09/25/2008	10:20:02	0.065
8787	09/25/2008	10:20:03	0.067
8788	09/25/2008	10:20:04	0.061

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
8789	09/25/2008	10:20:05	0.068
8790	09/25/2008	10:20:06	0.077
8791	09/25/2008	10:20:07	0.066
8792	09/25/2008	10:20:08	0.091
8793	09/25/2008	10:20:09	0.066
8794	09/25/2008	10:20:10	0.068
8795	09/25/2008	10:20:11	0.062
8796	09/25/2008	10:20:12	0.078
8797	09/25/2008	10:20:13	0.063
8798	09/25/2008	10:20:14	0.065
8799	09/25/2008	10:20:15	0.063
8800	09/25/2008	10:20:16	0.072
8801	09/25/2008	10:20:17	0.089
8802	09/25/2008	10:20:18	0.080
8803	09/25/2008	10:20:19	0.098
8804	09/25/2008	10:20:20	0.065
8805	09/25/2008	10:20:21	0.067
8806	09/25/2008	10:20:22	0.072
8807	09/25/2008	10:20:23	0.100
8808	09/25/2008	10:20:24	0.066
8809	09/25/2008	10:20:25	0.069
8810	09/25/2008	10:20:26	0.065
8811	09/25/2008	10:20:27	0.083
8812	09/25/2008	10:20:28	0.066
8813	09/25/2008	10:20:29	0.072
8814	09/25/2008	10:20:30	0.061
8815	09/25/2008	10:20:31	0.064
8816	09/25/2008	10:20:32	0.062
8817	09/25/2008	10:20:33	0.135
8818	09/25/2008	10:20:34	0.293
8819	09/25/2008	10:20:35	0.191
8820	09/25/2008	10:20:36	0.118
8821	09/25/2008	10:20:37	0.106
8822	09/25/2008	10:20:38	0.082
8823	09/25/2008	10:20:39	0.073
8824	09/25/2008	10:20:40	0.105
8825	09/25/2008	10:20:41	0.110
8826	09/25/2008	10:20:42	0.098
8827	09/25/2008	10:20:43	0.093
8828	09/25/2008	10:20:44	0.087
8829	09/25/2008	10:20:45	0.090
8830	09/25/2008	10:20:46	0.078
8831	09/25/2008	10:20:47	0.071
8832	09/25/2008	10:20:48	0.074
8833	09/25/2008	10:20:49	0.068
8834	09/25/2008	10:20:50	0.068
8835	09/25/2008	10:20:51	0.080
8836	09/25/2008	10:20:52	0.064
8837	09/25/2008	10:20:53	0.084
8838	09/25/2008	10:20:54	0.070
8839	09/25/2008	10:20:55	0.064
8840	09/25/2008	10:20:56	0.075
8841	09/25/2008	10:20:57	0.097
8842	09/25/2008	10:20:58	0.073
8843	09/25/2008	10:20:59	0.091

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
8844	09/25/2008	10:21:00	0.108
8845	09/25/2008	10:21:01	0.067
8846	09/25/2008	10:21:02	0.071
8847	09/25/2008	10:21:03	0.072
8848	09/25/2008	10:21:04	0.069
8849	09/25/2008	10:21:05	0.060
8850	09/25/2008	10:21:06	0.064
8851	09/25/2008	10:21:07	0.074
8852	09/25/2008	10:21:08	0.066
8853	09/25/2008	10:21:09	0.074
8854	09/25/2008	10:21:10	0.123
8855	09/25/2008	10:21:11	0.077
8856	09/25/2008	10:21:12	0.063
8857	09/25/2008	10:21:13	0.061
8858	09/25/2008	10:21:14	0.072
8859	09/25/2008	10:21:15	0.072
8860	09/25/2008	10:21:16	0.065
8861	09/25/2008	10:21:17	0.063
8862	09/25/2008	10:21:18	0.061
8863	09/25/2008	10:21:19	0.064
8864	09/25/2008	10:21:20	0.065
8865	09/25/2008	10:21:21	0.067
8866	09/25/2008	10:21:22	0.062
8867	09/25/2008	10:21:23	0.061
8868	09/25/2008	10:21:24	0.064
8869	09/25/2008	10:21:25	0.064
8870	09/25/2008	10:21:26	0.064
8871	09/25/2008	10:21:27	0.060
8872	09/25/2008	10:21:28	0.061
8873	09/25/2008	10:21:29	0.061
8874	09/25/2008	10:21:30	0.066
8875	09/25/2008	10:21:31	0.077
8876	09/25/2008	10:21:32	0.065
8877	09/25/2008	10:21:33	0.076
8878	09/25/2008	10:21:34	0.085
8879	09/25/2008	10:21:35	0.091
8880	09/25/2008	10:21:36	0.124
8881	09/25/2008	10:21:37	0.084
8882	09/25/2008	10:21:38	0.076
8883	09/25/2008	10:21:39	0.075
8884	09/25/2008	10:21:40	0.063
8885	09/25/2008	10:21:41	0.074
8886	09/25/2008	10:21:42	0.074
8887	09/25/2008	10:21:43	0.066
8888	09/25/2008	10:21:44	0.064
8889	09/25/2008	10:21:45	0.102
8890	09/25/2008	10:21:46	0.062
8891	09/25/2008	10:21:47	0.065
8892	09/25/2008	10:21:48	0.089
8893	09/25/2008	10:21:49	0.096
8894	09/25/2008	10:21:50	0.075
8895	09/25/2008	10:21:51	0.068
8896	09/25/2008	10:21:52	0.062
8897	09/25/2008	10:21:53	0.078
8898	09/25/2008	10:21:54	0.063

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
8899	09/25/2008	10:21:55	0.066
8900	09/25/2008	10:21:56	0.066
8901	09/25/2008	10:21:57	0.067
8902	09/25/2008	10:21:58	0.069
8903	09/25/2008	10:21:59	0.059
8904	09/25/2008	10:22:00	0.065
8905	09/25/2008	10:22:01	0.059
8906	09/25/2008	10:22:02	0.126
8907	09/25/2008	10:22:03	0.067
8908	09/25/2008	10:22:04	0.069
8909	09/25/2008	10:22:05	0.070
8910	09/25/2008	10:22:06	0.064
8911	09/25/2008	10:22:07	0.080
8912	09/25/2008	10:22:08	0.162
8913	09/25/2008	10:22:09	0.068
8914	09/25/2008	10:22:10	0.064
8915	09/25/2008	10:22:11	0.061
8916	09/25/2008	10:22:12	0.065
8917	09/25/2008	10:22:13	0.065
8918	09/25/2008	10:22:14	0.066
8919	09/25/2008	10:22:15	0.061
8920	09/25/2008	10:22:16	0.070
8921	09/25/2008	10:22:17	0.057
8922	09/25/2008	10:22:18	0.079
8923	09/25/2008	10:22:19	0.063
8924	09/25/2008	10:22:20	0.063
8925	09/25/2008	10:22:21	0.082
8926	09/25/2008	10:22:22	0.063
8927	09/25/2008	10:22:23	0.060
8928	09/25/2008	10:22:24	0.060
8929	09/25/2008	10:22:25	0.074
8930	09/25/2008	10:22:26	0.065
8931	09/25/2008	10:22:27	0.068
8932	09/25/2008	10:22:28	0.070
8933	09/25/2008	10:22:29	0.067
8934	09/25/2008	10:22:30	0.058
8935	09/25/2008	10:22:31	0.072
8936	09/25/2008	10:22:32	0.064
8937	09/25/2008	10:22:33	0.067
8938	09/25/2008	10:22:34	0.060
8939	09/25/2008	10:22:35	0.063
8940	09/25/2008	10:22:36	0.069
8941	09/25/2008	10:22:37	0.066
8942	09/25/2008	10:22:38	0.060
8943	09/25/2008	10:22:39	0.059
8944	09/25/2008	10:22:40	0.079
8945	09/25/2008	10:22:41	0.063
8946	09/25/2008	10:22:42	0.062
8947	09/25/2008	10:22:43	0.078
8948	09/25/2008	10:22:44	0.067
8949	09/25/2008	10:22:45	0.111
8950	09/25/2008	10:22:46	0.070
8951	09/25/2008	10:22:47	0.063
8952	09/25/2008	10:22:48	0.066
8953	09/25/2008	10:22:49	0.059

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
8954	09/25/2008	10:22:50	0.088
8955	09/25/2008	10:22:51	0.058
8956	09/25/2008	10:22:52	0.067
8957	09/25/2008	10:22:53	0.071
8958	09/25/2008	10:22:54	0.059
8959	09/25/2008	10:22:55	0.068
8960	09/25/2008	10:22:56	0.067
8961	09/25/2008	10:22:57	0.059
8962	09/25/2008	10:22:58	0.061
8963	09/25/2008	10:22:59	0.067
8964	09/25/2008	10:23:00	0.123
8965	09/25/2008	10:23:01	0.060
8966	09/25/2008	10:23:02	0.069
8967	09/25/2008	10:23:03	0.059
8968	09/25/2008	10:23:04	0.063
8969	09/25/2008	10:23:05	0.067
8970	09/25/2008	10:23:06	0.066
8971	09/25/2008	10:23:07	0.059
8972	09/25/2008	10:23:08	0.062
8973	09/25/2008	10:23:09	0.119
8974	09/25/2008	10:23:10	0.065
8975	09/25/2008	10:23:11	0.063
8976	09/25/2008	10:23:12	0.080
8977	09/25/2008	10:23:13	0.064
8978	09/25/2008	10:23:14	0.093
8979	09/25/2008	10:23:15	0.067
8980	09/25/2008	10:23:16	0.062
8981	09/25/2008	10:23:17	0.063
8982	09/25/2008	10:23:18	0.062
8983	09/25/2008	10:23:19	0.060
8984	09/25/2008	10:23:20	0.068
8985	09/25/2008	10:23:21	0.056
8986	09/25/2008	10:23:22	0.062
8987	09/25/2008	10:23:23	0.064
8988	09/25/2008	10:23:24	0.062
8989	09/25/2008	10:23:25	0.069
8990	09/25/2008	10:23:26	0.059
8991	09/25/2008	10:23:27	0.086
8992	09/25/2008	10:23:28	0.062
8993	09/25/2008	10:23:29	0.066
8994	09/25/2008	10:23:30	0.060
8995	09/25/2008	10:23:31	0.061
8996	09/25/2008	10:23:32	0.111
8997	09/25/2008	10:23:33	0.064
8998	09/25/2008	10:23:34	0.060
8999	09/25/2008	10:23:35	0.057
9000	09/25/2008	10:23:36	0.074
9001	09/25/2008	10:23:37	0.057
9002	09/25/2008	10:23:38	0.062
9003	09/25/2008	10:23:39	0.057
9004	09/25/2008	10:23:40	0.060
9005	09/25/2008	10:23:41	0.062
9006	09/25/2008	10:23:42	0.061
9007	09/25/2008	10:23:43	0.078
9008	09/25/2008	10:23:44	0.058

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
9009	09/25/2008	10:23:45	0.081
9010	09/25/2008	10:23:46	0.070
9011	09/25/2008	10:23:47	0.061
9012	09/25/2008	10:23:48	0.065
9013	09/25/2008	10:23:49	0.064
9014	09/25/2008	10:23:50	0.061
9015	09/25/2008	10:23:51	0.069
9016	09/25/2008	10:23:52	0.083
9017	09/25/2008	10:23:53	0.067
9018	09/25/2008	10:23:54	0.057
9019	09/25/2008	10:23:55	0.063
9020	09/25/2008	10:23:56	0.077
9021	09/25/2008	10:23:57	0.062
9022	09/25/2008	10:23:58	0.066
9023	09/25/2008	10:23:59	0.074
9024	09/25/2008	10:24:00	0.070
9025	09/25/2008	10:24:01	0.062
9026	09/25/2008	10:24:02	0.070
9027	09/25/2008	10:24:03	0.056
9028	09/25/2008	10:24:04	0.058
9029	09/25/2008	10:24:05	0.070
9030	09/25/2008	10:24:06	0.072
9031	09/25/2008	10:24:07	0.076
9032	09/25/2008	10:24:08	0.069
9033	09/25/2008	10:24:09	0.058
9034	09/25/2008	10:24:10	0.066
9035	09/25/2008	10:24:11	0.064
9036	09/25/2008	10:24:12	0.091
9037	09/25/2008	10:24:13	0.067
9038	09/25/2008	10:24:14	0.062
9039	09/25/2008	10:24:15	0.063
9040	09/25/2008	10:24:16	0.080
9041	09/25/2008	10:24:17	0.074
9042	09/25/2008	10:24:18	0.071
9043	09/25/2008	10:24:19	0.059
9044	09/25/2008	10:24:20	0.065
9045	09/25/2008	10:24:21	0.082
9046	09/25/2008	10:24:22	0.060
9047	09/25/2008	10:24:23	0.059
9048	09/25/2008	10:24:24	0.062
9049	09/25/2008	10:24:25	0.177
9050	09/25/2008	10:24:26	0.065
9051	09/25/2008	10:24:27	0.069
9052	09/25/2008	10:24:28	0.061
9053	09/25/2008	10:24:29	0.063
9054	09/25/2008	10:24:30	0.066
9055	09/25/2008	10:24:31	0.062
9056	09/25/2008	10:24:32	0.067
9057	09/25/2008	10:24:33	0.063
9058	09/25/2008	10:24:34	0.120
9059	09/25/2008	10:24:35	0.061
9060	09/25/2008	10:24:36	0.064
9061	09/25/2008	10:24:37	0.061
9062	09/25/2008	10:24:38	0.062
9063	09/25/2008	10:24:39	0.070

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
9064	09/25/2008	10:24:40	0.080
9065	09/25/2008	10:24:41	0.108
9066	09/25/2008	10:24:42	0.099
9067	09/25/2008	10:24:43	0.089
9068	09/25/2008	10:24:44	0.067
9069	09/25/2008	10:24:45	0.104
9070	09/25/2008	10:24:46	0.060
9071	09/25/2008	10:24:47	0.067
9072	09/25/2008	10:24:48	0.067
9073	09/25/2008	10:24:49	0.072
9074	09/25/2008	10:24:50	0.069
9075	09/25/2008	10:24:51	0.065
9076	09/25/2008	10:24:52	0.062
9077	09/25/2008	10:24:53	0.067
9078	09/25/2008	10:24:54	0.062
9079	09/25/2008	10:24:55	0.074
9080	09/25/2008	10:24:56	0.067
9081	09/25/2008	10:24:57	0.061
9082	09/25/2008	10:24:58	0.060
9083	09/25/2008	10:24:59	0.070
9084	09/25/2008	10:25:00	0.090
9085	09/25/2008	10:25:01	0.082
9086	09/25/2008	10:25:02	0.064
9087	09/25/2008	10:25:03	0.068
9088	09/25/2008	10:25:04	0.057
9089	09/25/2008	10:25:05	0.087
9090	09/25/2008	10:25:06	0.065
9091	09/25/2008	10:25:07	0.061
9092	09/25/2008	10:25:08	0.062
9093	09/25/2008	10:25:09	0.073
9094	09/25/2008	10:25:10	0.064
9095	09/25/2008	10:25:11	0.067
9096	09/25/2008	10:25:12	0.063
9097	09/25/2008	10:25:13	0.070
9098	09/25/2008	10:25:14	0.062
9099	09/25/2008	10:25:15	0.073
9100	09/25/2008	10:25:16	0.058
9101	09/25/2008	10:25:17	0.079
9102	09/25/2008	10:25:18	0.058
9103	09/25/2008	10:25:19	0.059
9104	09/25/2008	10:25:20	0.061
9105	09/25/2008	10:25:21	0.058
9106	09/25/2008	10:25:22	0.070
9107	09/25/2008	10:25:23	0.064
9108	09/25/2008	10:25:24	0.094
9109	09/25/2008	10:25:25	0.070
9110	09/25/2008	10:25:26	0.059
9111	09/25/2008	10:25:27	0.063
9112	09/25/2008	10:25:28	0.071
9113	09/25/2008	10:25:29	0.059
9114	09/25/2008	10:25:30	0.059
9115	09/25/2008	10:25:31	0.066
9116	09/25/2008	10:25:32	0.063
9117	09/25/2008	10:25:33	0.062
9118	09/25/2008	10:25:34	0.058



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
9119	09/25/2008	10:25:35	0.065
9120	09/25/2008	10:25:36	0.065
9121	09/25/2008	10:25:37	0.067
9122	09/25/2008	10:25:38	0.059
9123	09/25/2008	10:25:39	0.069
9124	09/25/2008	10:25:40	0.060
9125	09/25/2008	10:25:41	0.062
9126	09/25/2008	10:25:42	0.066
9127	09/25/2008	10:25:43	0.071
9128	09/25/2008	10:25:44	0.061
9129	09/25/2008	10:25:45	0.066
9130	09/25/2008	10:25:46	0.065
9131	09/25/2008	10:25:47	0.062
9132	09/25/2008	10:25:48	0.068
9133	09/25/2008	10:25:49	0.059
9134	09/25/2008	10:25:50	0.060
9135	09/25/2008	10:25:51	0.066
9136	09/25/2008	10:25:52	0.067
9137	09/25/2008	10:25:53	0.062
9138	09/25/2008	10:25:54	0.061
9139	09/25/2008	10:25:55	0.057
9140	09/25/2008	10:25:56	0.060
9141	09/25/2008	10:25:57	0.063
9142	09/25/2008	10:25:58	0.065
9143	09/25/2008	10:25:59	0.059
9144	09/25/2008	10:26:00	0.074
9145	09/25/2008	10:26:01	0.077
9146	09/25/2008	10:26:02	0.068
9147	09/25/2008	10:26:03	0.070
9148	09/25/2008	10:26:04	0.064
9149	09/25/2008	10:26:05	0.064
9150	09/25/2008	10:26:06	0.064
9151	09/25/2008	10:26:07	0.073
9152	09/25/2008	10:26:08	0.065
9153	09/25/2008	10:26:09	0.066
9154	09/25/2008	10:26:10	0.072
9155	09/25/2008	10:26:11	0.063
9156	09/25/2008	10:26:12	0.064
9157	09/25/2008	10:26:13	0.064
9158	09/25/2008	10:26:14	0.063
9159	09/25/2008	10:26:15	0.067
9160	09/25/2008	10:26:16	0.062
9161	09/25/2008	10:26:17	0.067
9162	09/25/2008	10:26:18	0.075
9163	09/25/2008	10:26:19	0.061
9164	09/25/2008	10:26:20	0.056
9165	09/25/2008	10:26:21	0.059
9166	09/25/2008	10:26:22	0.071
9167	09/25/2008	10:26:23	0.064
9168	09/25/2008	10:26:24	0.059
9169	09/25/2008	10:26:25	0.080
9170	09/25/2008	10:26:26	0.066
9171	09/25/2008	10:26:27	0.067
9172	09/25/2008	10:26:28	0.068
9173	09/25/2008	10:26:29	0.069

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
9174	09/25/2008	10:26:30	0.062
9175	09/25/2008	10:26:31	0.070
9176	09/25/2008	10:26:32	0.080
9177	09/25/2008	10:26:33	0.098
9178	09/25/2008	10:26:34	0.066
9179	09/25/2008	10:26:35	0.064
9180	09/25/2008	10:26:36	0.065
9181	09/25/2008	10:26:37	0.086
9182	09/25/2008	10:26:38	0.080
9183	09/25/2008	10:26:39	0.068
9184	09/25/2008	10:26:40	0.061
9185	09/25/2008	10:26:41	0.062
9186	09/25/2008	10:26:42	0.071
9187	09/25/2008	10:26:43	0.069
9188	09/25/2008	10:26:44	0.065
9189	09/25/2008	10:26:45	0.065
9190	09/25/2008	10:26:46	0.065
9191	09/25/2008	10:26:47	0.069
9192	09/25/2008	10:26:48	0.088
9193	09/25/2008	10:26:49	0.160
9194	09/25/2008	10:26:50	0.088
9195	09/25/2008	10:26:51	0.072
9196	09/25/2008	10:26:52	0.060
9197	09/25/2008	10:26:53	0.061
9198	09/25/2008	10:26:54	0.071
9199	09/25/2008	10:26:55	0.076
9200	09/25/2008	10:26:56	0.065
9201	09/25/2008	10:26:57	0.073
9202	09/25/2008	10:26:58	0.063
9203	09/25/2008	10:26:59	0.067
9204	09/25/2008	10:27:00	0.067
9205	09/25/2008	10:27:01	0.087
9206	09/25/2008	10:27:02	0.123
9207	09/25/2008	10:27:03	0.159
9208	09/25/2008	10:27:04	0.162
9209	09/25/2008	10:27:05	0.114
9210	09/25/2008	10:27:06	0.112
9211	09/25/2008	10:27:07	0.117
9212	09/25/2008	10:27:08	0.104
9213	09/25/2008	10:27:09	0.099
9214	09/25/2008	10:27:10	0.076
9215	09/25/2008	10:27:11	0.072
9216	09/25/2008	10:27:12	0.075
9217	09/25/2008	10:27:13	0.078
9218	09/25/2008	10:27:14	0.070
9219	09/25/2008	10:27:15	0.065
9220	09/25/2008	10:27:16	0.063
9221	09/25/2008	10:27:17	0.063
9222	09/25/2008	10:27:18	0.070
9223	09/25/2008	10:27:19	0.060
9224	09/25/2008	10:27:20	0.136
9225	09/25/2008	10:27:21	0.054
9226	09/25/2008	10:27:22	0.066
9227	09/25/2008	10:27:23	0.060
9228	09/25/2008	10:27:24	0.063

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
9229	09/25/2008	10:27:25	0.061
9230	09/25/2008	10:27:26	0.073
9231	09/25/2008	10:27:27	0.060
9232	09/25/2008	10:27:28	0.061
9233	09/25/2008	10:27:29	0.081
9234	09/25/2008	10:27:30	0.071
9235	09/25/2008	10:27:31	0.098
9236	09/25/2008	10:27:32	0.070
9237	09/25/2008	10:27:33	0.072
9238	09/25/2008	10:27:34	0.074
9239	09/25/2008	10:27:35	0.067
9240	09/25/2008	10:27:36	0.070
9241	09/25/2008	10:27:37	0.066
9242	09/25/2008	10:27:38	0.109
9243	09/25/2008	10:27:39	0.076
9244	09/25/2008	10:27:40	0.082
9245	09/25/2008	10:27:41	0.069
9246	09/25/2008	10:27:42	0.074
9247	09/25/2008	10:27:43	0.066
9248	09/25/2008	10:27:44	0.065
9249	09/25/2008	10:27:45	0.058
9250	09/25/2008	10:27:46	0.059
9251	09/25/2008	10:27:47	0.061
9252	09/25/2008	10:27:48	0.068
9253	09/25/2008	10:27:49	0.066
9254	09/25/2008	10:27:50	0.064
9255	09/25/2008	10:27:51	0.067
9256	09/25/2008	10:27:52	0.062
9257	09/25/2008	10:27:53	0.078
9258	09/25/2008	10:27:54	0.060
9259	09/25/2008	10:27:55	0.062
9260	09/25/2008	10:27:56	0.073
9261	09/25/2008	10:27:57	0.067
9262	09/25/2008	10:27:58	0.061
9263	09/25/2008	10:27:59	0.066
9264	09/25/2008	10:28:00	0.060
9265	09/25/2008	10:28:01	0.063
9266	09/25/2008	10:28:02	0.067
9267	09/25/2008	10:28:03	0.080
9268	09/25/2008	10:28:04	0.057
9269	09/25/2008	10:28:05	0.062
9270	09/25/2008	10:28:06	0.064
9271	09/25/2008	10:28:07	0.057
9272	09/25/2008	10:28:08	0.076
9273	09/25/2008	10:28:09	0.130
9274	09/25/2008	10:28:10	0.132
9275	09/25/2008	10:28:11	0.171
9276	09/25/2008	10:28:12	0.155
9277	09/25/2008	10:28:13	0.078
9278	09/25/2008	10:28:14	0.089
9279	09/25/2008	10:28:15	0.084
9280	09/25/2008	10:28:16	0.094
9281	09/25/2008	10:28:17	0.068
9282	09/25/2008	10:28:18	0.134
9283	09/25/2008	10:28:19	0.077

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
9284	09/25/2008	10:28:20	0.069
9285	09/25/2008	10:28:21	0.068
9286	09/25/2008	10:28:22	0.090
9287	09/25/2008	10:28:23	0.061
9288	09/25/2008	10:28:24	0.066
9289	09/25/2008	10:28:25	0.062
9290	09/25/2008	10:28:26	0.062
9291	09/25/2008	10:28:27	0.062
9292	09/25/2008	10:28:28	0.064
9293	09/25/2008	10:28:29	0.065
9294	09/25/2008	10:28:30	0.077
9295	09/25/2008	10:28:31	0.064
9296	09/25/2008	10:28:32	0.061
9297	09/25/2008	10:28:33	0.060
9298	09/25/2008	10:28:34	0.064
9299	09/25/2008	10:28:35	0.060
9300	09/25/2008	10:28:36	0.086
9301	09/25/2008	10:28:37	0.059
9302	09/25/2008	10:28:38	0.072
9303	09/25/2008	10:28:39	0.103
9304	09/25/2008	10:28:40	0.063
9305	09/25/2008	10:28:41	0.067
9306	09/25/2008	10:28:42	0.068
9307	09/25/2008	10:28:43	0.061
9308	09/25/2008	10:28:44	0.058
9309	09/25/2008	10:28:45	0.058
9310	09/25/2008	10:28:46	0.055
9311	09/25/2008	10:28:47	0.074
9312	09/25/2008	10:28:48	0.059
9313	09/25/2008	10:28:49	0.067
9314	09/25/2008	10:28:50	0.055
9315	09/25/2008	10:28:51	0.061
9316	09/25/2008	10:28:52	0.059
9317	09/25/2008	10:28:53	0.059
9318	09/25/2008	10:28:54	0.058
9319	09/25/2008	10:28:55	0.056
9320	09/25/2008	10:28:56	0.060
9321	09/25/2008	10:28:57	0.059
9322	09/25/2008	10:28:58	0.082
9323	09/25/2008	10:28:59	0.077
9324	09/25/2008	10:29:00	0.070
9325	09/25/2008	10:29:01	0.068
9326	09/25/2008	10:29:02	0.077
9327	09/25/2008	10:29:03	0.064
9328	09/25/2008	10:29:04	0.061
9329	09/25/2008	10:29:05	0.059
9330	09/25/2008	10:29:06	0.082
9331	09/25/2008	10:29:07	0.060
9332	09/25/2008	10:29:08	0.078
9333	09/25/2008	10:29:09	0.059
9334	09/25/2008	10:29:10	0.060
9335	09/25/2008	10:29:11	0.061
9336	09/25/2008	10:29:12	0.063
9337	09/25/2008	10:29:13	0.060
9338	09/25/2008	10:29:14	0.067

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
9339	09/25/2008	10:29:15	0.060
9340	09/25/2008	10:29:16	0.072
9341	09/25/2008	10:29:17	0.066
9342	09/25/2008	10:29:18	0.066
9343	09/25/2008	10:29:19	0.060
9344	09/25/2008	10:29:20	0.079
9345	09/25/2008	10:29:21	0.062
9346	09/25/2008	10:29:22	0.062
9347	09/25/2008	10:29:23	0.062
9348	09/25/2008	10:29:24	0.074
9349	09/25/2008	10:29:25	0.098
9350	09/25/2008	10:29:26	0.150
9351	09/25/2008	10:29:27	0.717
9352	09/25/2008	10:29:28	0.366
9353	09/25/2008	10:29:29	0.219
9354	09/25/2008	10:29:30	0.115
9355	09/25/2008	10:29:31	0.095
9356	09/25/2008	10:29:32	0.171
9357	09/25/2008	10:29:33	0.154
9358	09/25/2008	10:29:34	0.205
9359	09/25/2008	10:29:35	0.391
9360	09/25/2008	10:29:36	0.626
9361	09/25/2008	10:29:37	0.150
9362	09/25/2008	10:29:38	0.106
9363	09/25/2008	10:29:39	0.116
9364	09/25/2008	10:29:40	0.083
9365	09/25/2008	10:29:41	0.081
9366	09/25/2008	10:29:42	0.093
9367	09/25/2008	10:29:43	0.085
9368	09/25/2008	10:29:44	0.079
9369	09/25/2008	10:29:45	0.079
9370	09/25/2008	10:29:46	0.107
9371	09/25/2008	10:29:47	0.081
9372	09/25/2008	10:29:48	0.074
9373	09/25/2008	10:29:49	0.076
9374	09/25/2008	10:29:50	0.074
9375	09/25/2008	10:29:51	0.141
9376	09/25/2008	10:29:52	0.291
9377	09/25/2008	10:29:53	0.132
9378	09/25/2008	10:29:54	0.076
9379	09/25/2008	10:29:55	0.068
9380	09/25/2008	10:29:56	0.068
9381	09/25/2008	10:29:57	0.074
9382	09/25/2008	10:29:58	0.065
9383	09/25/2008	10:29:59	0.061
9384	09/25/2008	10:30:00	0.081
9385	09/25/2008	10:30:01	0.086
9386	09/25/2008	10:30:02	0.161
9387	09/25/2008	10:30:03	0.093
9388	09/25/2008	10:30:04	0.075
9389	09/25/2008	10:30:05	0.070
9390	09/25/2008	10:30:06	0.080
9391	09/25/2008	10:30:07	0.070
9392	09/25/2008	10:30:08	0.073
9393	09/25/2008	10:30:09	0.079

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
9394	09/25/2008	10:30:10	0.078
9395	09/25/2008	10:30:11	0.089
9396	09/25/2008	10:30:12	0.064
9397	09/25/2008	10:30:13	0.070
9398	09/25/2008	10:30:14	0.064
9399	09/25/2008	10:30:15	0.073
9400	09/25/2008	10:30:16	0.154
9401	09/25/2008	10:30:17	0.067
9402	09/25/2008	10:30:18	0.082
9403	09/25/2008	10:30:19	0.074
9404	09/25/2008	10:30:20	0.057
9405	09/25/2008	10:30:21	0.060
9406	09/25/2008	10:30:22	0.064
9407	09/25/2008	10:30:23	0.056
9408	09/25/2008	10:30:24	0.058
9409	09/25/2008	10:30:25	0.070
9410	09/25/2008	10:30:26	0.073
9411	09/25/2008	10:30:27	0.063
9412	09/25/2008	10:30:28	0.058
9413	09/25/2008	10:30:29	0.067
9414	09/25/2008	10:30:30	0.074
9415	09/25/2008	10:30:31	0.232
9416	09/25/2008	10:30:32	0.317
9417	09/25/2008	10:30:33	0.126
9418	09/25/2008	10:30:34	0.074
9419	09/25/2008	10:30:35	0.076
9420	09/25/2008	10:30:36	0.067
9421	09/25/2008	10:30:37	0.067
9422	09/25/2008	10:30:38	0.068
9423	09/25/2008	10:30:39	0.067
9424	09/25/2008	10:30:40	0.071
9425	09/25/2008	10:30:41	0.067
9426	09/25/2008	10:30:42	0.060
9427	09/25/2008	10:30:43	0.068
9428	09/25/2008	10:30:44	0.073
9429	09/25/2008	10:30:45	0.060
9430	09/25/2008	10:30:46	0.059
9431	09/25/2008	10:30:47	0.065
9432	09/25/2008	10:30:48	0.098
9433	09/25/2008	10:30:49	0.069
9434	09/25/2008	10:30:50	0.061
9435	09/25/2008	10:30:51	0.057
9436	09/25/2008	10:30:52	0.058
9437	09/25/2008	10:30:53	0.062
9438	09/25/2008	10:30:54	0.056
9439	09/25/2008	10:30:55	0.081
9440	09/25/2008	10:30:56	0.062
9441	09/25/2008	10:30:57	0.077
9442	09/25/2008	10:30:58	0.067
9443	09/25/2008	10:30:59	0.058
9444	09/25/2008	10:31:00	0.066
9445	09/25/2008	10:31:01	0.060
9446	09/25/2008	10:31:02	0.066
9447	09/25/2008	10:31:03	0.063
9448	09/25/2008	10:31:04	0.092

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
9449	09/25/2008	10:31:05	0.065
9450	09/25/2008	10:31:06	0.059
9451	09/25/2008	10:31:07	0.056
9452	09/25/2008	10:31:08	0.079
9453	09/25/2008	10:31:09	0.112
9454	09/25/2008	10:31:10	0.054
9455	09/25/2008	10:31:11	0.056
9456	09/25/2008	10:31:12	0.057
9457	09/25/2008	10:31:13	0.054
9458	09/25/2008	10:31:14	0.055
9459	09/25/2008	10:31:15	0.063
9460	09/25/2008	10:31:16	0.057
9461	09/25/2008	10:31:17	0.072
9462	09/25/2008	10:31:18	0.058
9463	09/25/2008	10:31:19	0.055
9464	09/25/2008	10:31:20	0.060
9465	09/25/2008	10:31:21	0.055
9466	09/25/2008	10:31:22	0.060
9467	09/25/2008	10:31:23	0.053
9468	09/25/2008	10:31:24	0.068
9469	09/25/2008	10:31:25	0.057
9470	09/25/2008	10:31:26	0.056
9471	09/25/2008	10:31:27	0.060
9472	09/25/2008	10:31:28	0.057
9473	09/25/2008	10:31:29	0.056
9474	09/25/2008	10:31:30	0.112
9475	09/25/2008	10:31:31	0.057
9476	09/25/2008	10:31:32	0.058
9477	09/25/2008	10:31:33	0.057
9478	09/25/2008	10:31:34	0.060
9479	09/25/2008	10:31:35	0.061
9480	09/25/2008	10:31:36	0.065
9481	09/25/2008	10:31:37	0.057
9482	09/25/2008	10:31:38	0.057
9483	09/25/2008	10:31:39	0.059
9484	09/25/2008	10:31:40	0.060
9485	09/25/2008	10:31:41	0.059
9486	09/25/2008	10:31:42	0.062
9487	09/25/2008	10:31:43	0.062
9488	09/25/2008	10:31:44	0.060
9489	09/25/2008	10:31:45	0.052
9490	09/25/2008	10:31:46	0.060
9491	09/25/2008	10:31:47	0.061
9492	09/25/2008	10:31:48	0.060
9493	09/25/2008	10:31:49	0.115
9494	09/25/2008	10:31:50	0.054
9495	09/25/2008	10:31:51	0.060
9496	09/25/2008	10:31:52	0.060
9497	09/25/2008	10:31:53	0.059
9498	09/25/2008	10:31:54	0.068
9499	09/25/2008	10:31:55	0.060
9500	09/25/2008	10:31:56	0.061
9501	09/25/2008	10:31:57	0.063
9502	09/25/2008	10:31:58	0.059
9503	09/25/2008	10:31:59	0.059

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
9504	09/25/2008	10:32:00	0.081
9505	09/25/2008	10:32:01	0.064
9506	09/25/2008	10:32:02	0.058
9507	09/25/2008	10:32:03	0.069
9508	09/25/2008	10:32:04	0.061
9509	09/25/2008	10:32:05	0.063
9510	09/25/2008	10:32:06	0.058
9511	09/25/2008	10:32:07	0.058
9512	09/25/2008	10:32:08	0.057
9513	09/25/2008	10:32:09	0.057
9514	09/25/2008	10:32:10	0.060
9515	09/25/2008	10:32:11	0.063
9516	09/25/2008	10:32:12	0.064
9517	09/25/2008	10:32:13	0.058
9518	09/25/2008	10:32:14	0.058
9519	09/25/2008	10:32:15	0.061
9520	09/25/2008	10:32:16	0.062
9521	09/25/2008	10:32:17	0.064
9522	09/25/2008	10:32:18	0.061
9523	09/25/2008	10:32:19	0.059
9524	09/25/2008	10:32:20	0.058
9525	09/25/2008	10:32:21	0.065
9526	09/25/2008	10:32:22	0.056
9527	09/25/2008	10:32:23	0.057
9528	09/25/2008	10:32:24	0.057
9529	09/25/2008	10:32:25	0.056
9530	09/25/2008	10:32:26	0.061
9531	09/25/2008	10:32:27	0.057
9532	09/25/2008	10:32:28	0.056
9533	09/25/2008	10:32:29	0.054
9534	09/25/2008	10:32:30	0.058
9535	09/25/2008	10:32:31	0.069
9536	09/25/2008	10:32:32	0.059
9537	09/25/2008	10:32:33	0.073
9538	09/25/2008	10:32:34	0.054
9539	09/25/2008	10:32:35	0.071
9540	09/25/2008	10:32:36	0.060
9541	09/25/2008	10:32:37	0.065
9542	09/25/2008	10:32:38	0.065
9543	09/25/2008	10:32:39	0.057
9544	09/25/2008	10:32:40	0.064
9545	09/25/2008	10:32:41	0.057
9546	09/25/2008	10:32:42	0.067
9547	09/25/2008	10:32:43	0.061
9548	09/25/2008	10:32:44	0.059
9549	09/25/2008	10:32:45	0.064
9550	09/25/2008	10:32:46	0.056
9551	09/25/2008	10:32:47	0.063
9552	09/25/2008	10:32:48	0.057
9553	09/25/2008	10:32:49	0.058
9554	09/25/2008	10:32:50	0.052
9555	09/25/2008	10:32:51	0.080
9556	09/25/2008	10:32:52	0.084
9557	09/25/2008	10:32:53	0.141
9558	09/25/2008	10:32:54	0.092



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
9559	09/25/2008	10:32:55	0.094
9560	09/25/2008	10:32:56	0.062
9561	09/25/2008	10:32:57	0.069
9562	09/25/2008	10:32:58	0.370
9563	09/25/2008	10:32:59	0.675
9564	09/25/2008	10:33:00	0.478
9565	09/25/2008	10:33:01	0.466
9566	09/25/2008	10:33:02	0.299
9567	09/25/2008	10:33:03	0.129
9568	09/25/2008	10:33:04	0.161
9569	09/25/2008	10:33:05	0.110
9570	09/25/2008	10:33:06	0.091
9571	09/25/2008	10:33:07	0.074
9572	09/25/2008	10:33:08	0.081
9573	09/25/2008	10:33:09	0.072
9574	09/25/2008	10:33:10	0.067
9575	09/25/2008	10:33:11	0.073
9576	09/25/2008	10:33:12	0.072
9577	09/25/2008	10:33:13	0.063
9578	09/25/2008	10:33:14	0.065
9579	09/25/2008	10:33:15	0.066
9580	09/25/2008	10:33:16	0.067
9581	09/25/2008	10:33:17	0.069
9582	09/25/2008	10:33:18	0.063
9583	09/25/2008	10:33:19	0.061
9584	09/25/2008	10:33:20	0.079
9585	09/25/2008	10:33:21	0.059
9586	09/25/2008	10:33:22	0.059
9587	09/25/2008	10:33:23	0.063
9588	09/25/2008	10:33:24	0.062
9589	09/25/2008	10:33:25	0.068
9590	09/25/2008	10:33:26	0.067
9591	09/25/2008	10:33:27	0.059
9592	09/25/2008	10:33:28	0.058
9593	09/25/2008	10:33:29	0.065
9594	09/25/2008	10:33:30	0.064
9595	09/25/2008	10:33:31	0.058
9596	09/25/2008	10:33:32	0.070
9597	09/25/2008	10:33:33	0.060
9598	09/25/2008	10:33:34	0.060
9599	09/25/2008	10:33:35	0.056
9600	09/25/2008	10:33:36	0.073
9601	09/25/2008	10:33:37	0.059
9602	09/25/2008	10:33:38	0.058
9603	09/25/2008	10:33:39	0.070
9604	09/25/2008	10:33:40	0.059
9605	09/25/2008	10:33:41	0.056
9606	09/25/2008	10:33:42	0.060
9607	09/25/2008	10:33:43	0.071
9608	09/25/2008	10:33:44	0.066
9609	09/25/2008	10:33:45	0.077
9610	09/25/2008	10:33:46	0.057
9611	09/25/2008	10:33:47	0.057
9612	09/25/2008	10:33:48	0.082
9613	09/25/2008	10:33:49	0.056

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
9614	09/25/2008	10:33:50	0.060
9615	09/25/2008	10:33:51	0.059
9616	09/25/2008	10:33:52	0.056
9617	09/25/2008	10:33:53	0.055
9618	09/25/2008	10:33:54	0.058
9619	09/25/2008	10:33:55	0.060
9620	09/25/2008	10:33:56	0.069
9621	09/25/2008	10:33:57	0.062
9622	09/25/2008	10:33:58	0.056
9623	09/25/2008	10:33:59	0.065
9624	09/25/2008	10:34:00	0.095
9625	09/25/2008	10:34:01	0.092
9626	09/25/2008	10:34:02	0.062
9627	09/25/2008	10:34:03	0.065
9628	09/25/2008	10:34:04	0.065
9629	09/25/2008	10:34:05	0.061
9630	09/25/2008	10:34:06	0.080
9631	09/25/2008	10:34:07	0.060
9632	09/25/2008	10:34:08	0.059
9633	09/25/2008	10:34:09	0.055
9634	09/25/2008	10:34:10	0.057
9635	09/25/2008	10:34:11	0.076
9636	09/25/2008	10:34:12	0.055
9637	09/25/2008	10:34:13	0.060
9638	09/25/2008	10:34:14	0.076
9639	09/25/2008	10:34:15	0.061
9640	09/25/2008	10:34:16	0.064
9641	09/25/2008	10:34:17	0.053
9642	09/25/2008	10:34:18	0.059
9643	09/25/2008	10:34:19	0.059
9644	09/25/2008	10:34:20	0.064
9645	09/25/2008	10:34:21	0.058
9646	09/25/2008	10:34:22	0.056
9647	09/25/2008	10:34:23	0.057
9648	09/25/2008	10:34:24	0.053
9649	09/25/2008	10:34:25	0.064
9650	09/25/2008	10:34:26	0.055
9651	09/25/2008	10:34:27	0.059
9652	09/25/2008	10:34:28	0.060
9653	09/25/2008	10:34:29	0.087
9654	09/25/2008	10:34:30	0.062
9655	09/25/2008	10:34:31	0.059
9656	09/25/2008	10:34:32	0.058
9657	09/25/2008	10:34:33	0.060
9658	09/25/2008	10:34:34	0.060
9659	09/25/2008	10:34:35	0.066
9660	09/25/2008	10:34:36	0.058
9661	09/25/2008	10:34:37	0.060
9662	09/25/2008	10:34:38	0.052
9663	09/25/2008	10:34:39	0.057
9664	09/25/2008	10:34:40	0.056
9665	09/25/2008	10:34:41	0.072
9666	09/25/2008	10:34:42	0.060
9667	09/25/2008	10:34:43	0.057
9668	09/25/2008	10:34:44	0.058

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
9669	09/25/2008	10:34:45	0.059
9670	09/25/2008	10:34:46	0.058
9671	09/25/2008	10:34:47	0.066
9672	09/25/2008	10:34:48	0.053
9673	09/25/2008	10:34:49	0.055
9674	09/25/2008	10:34:50	0.058
9675	09/25/2008	10:34:51	0.061
9676	09/25/2008	10:34:52	0.056
9677	09/25/2008	10:34:53	0.059
9678	09/25/2008	10:34:54	0.053
9679	09/25/2008	10:34:55	0.057
9680	09/25/2008	10:34:56	0.087
9681	09/25/2008	10:34:57	0.317
9682	09/25/2008	10:34:58	0.761
9683	09/25/2008	10:34:59	0.429
9684	09/25/2008	10:35:00	0.223
9685	09/25/2008	10:35:01	0.196
9686	09/25/2008	10:35:02	0.235
9687	09/25/2008	10:35:03	0.165
9688	09/25/2008	10:35:04	0.179
9689	09/25/2008	10:35:05	0.161
9690	09/25/2008	10:35:06	0.139
9691	09/25/2008	10:35:07	0.114
9692	09/25/2008	10:35:08	0.085
9693	09/25/2008	10:35:09	0.086
9694	09/25/2008	10:35:10	0.070
9695	09/25/2008	10:35:11	0.067
9696	09/25/2008	10:35:12	0.066
9697	09/25/2008	10:35:13	0.081
9698	09/25/2008	10:35:14	0.074
9699	09/25/2008	10:35:15	0.067
9700	09/25/2008	10:35:16	0.060
9701	09/25/2008	10:35:17	0.068
9702	09/25/2008	10:35:18	0.088
9703	09/25/2008	10:35:19	0.070
9704	09/25/2008	10:35:20	0.055
9705	09/25/2008	10:35:21	0.064
9706	09/25/2008	10:35:22	0.061
9707	09/25/2008	10:35:23	0.059
9708	09/25/2008	10:35:24	0.057
9709	09/25/2008	10:35:25	0.056
9710	09/25/2008	10:35:26	0.054
9711	09/25/2008	10:35:27	0.054
9712	09/25/2008	10:35:28	0.065
9713	09/25/2008	10:35:29	0.058
9714	09/25/2008	10:35:30	0.055
9715	09/25/2008	10:35:31	0.054
9716	09/25/2008	10:35:32	0.061
9717	09/25/2008	10:35:33	0.058
9718	09/25/2008	10:35:34	0.060
9719	09/25/2008	10:35:35	0.054
9720	09/25/2008	10:35:36	0.055
9721	09/25/2008	10:35:37	0.062
9722	09/25/2008	10:35:38	0.076
9723	09/25/2008	10:35:39	0.079

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
9724	09/25/2008	10:35:40	0.079
9725	09/25/2008	10:35:41	0.091
9726	09/25/2008	10:35:42	0.141
9727	09/25/2008	10:35:43	0.133
9728	09/25/2008	10:35:44	0.133
9729	09/25/2008	10:35:45	0.109
9730	09/25/2008	10:35:46	0.097
9731	09/25/2008	10:35:47	0.095
9732	09/25/2008	10:35:48	0.110
9733	09/25/2008	10:35:49	0.077
9734	09/25/2008	10:35:50	0.085
9735	09/25/2008	10:35:51	0.138
9736	09/25/2008	10:35:52	0.085
9737	09/25/2008	10:35:53	0.076
9738	09/25/2008	10:35:54	0.088
9739	09/25/2008	10:35:55	0.065
9740	09/25/2008	10:35:56	0.061
9741	09/25/2008	10:35:57	0.070
9742	09/25/2008	10:35:58	0.066
9743	09/25/2008	10:35:59	0.061
9744	09/25/2008	10:36:00	0.061
9745	09/25/2008	10:36:01	0.066
9746	09/25/2008	10:36:02	0.059
9747	09/25/2008	10:36:03	0.066
9748	09/25/2008	10:36:04	0.057
9749	09/25/2008	10:36:05	0.062
9750	09/25/2008	10:36:06	0.079
9751	09/25/2008	10:36:07	0.056
9752	09/25/2008	10:36:08	0.058
9753	09/25/2008	10:36:09	0.062
9754	09/25/2008	10:36:10	0.057
9755	09/25/2008	10:36:11	0.057
9756	09/25/2008	10:36:12	0.059
9757	09/25/2008	10:36:13	0.076
9758	09/25/2008	10:36:14	0.056
9759	09/25/2008	10:36:15	0.064
9760	09/25/2008	10:36:16	0.072
9761	09/25/2008	10:36:17	0.068
9762	09/25/2008	10:36:18	0.055
9763	09/25/2008	10:36:19	0.057
9764	09/25/2008	10:36:20	0.057
9765	09/25/2008	10:36:21	0.083
9766	09/25/2008	10:36:22	0.074
9767	09/25/2008	10:36:23	0.088
9768	09/25/2008	10:36:24	0.055
9769	09/25/2008	10:36:25	0.059
9770	09/25/2008	10:36:26	0.056
9771	09/25/2008	10:36:27	0.053
9772	09/25/2008	10:36:28	0.052
9773	09/25/2008	10:36:29	0.065
9774	09/25/2008	10:36:30	0.058
9775	09/25/2008	10:36:31	0.050
9776	09/25/2008	10:36:32	0.056
9777	09/25/2008	10:36:33	0.060
9778	09/25/2008	10:36:34	0.071

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
9779	09/25/2008	10:36:35	0.056
9780	09/25/2008	10:36:36	0.062
9781	09/25/2008	10:36:37	0.065
9782	09/25/2008	10:36:38	0.055
9783	09/25/2008	10:36:39	0.056
9784	09/25/2008	10:36:40	0.086
9785	09/25/2008	10:36:41	0.053
9786	09/25/2008	10:36:42	0.065
9787	09/25/2008	10:36:43	0.164
9788	09/25/2008	10:36:44	0.086
9789	09/25/2008	10:36:45	0.067
9790	09/25/2008	10:36:46	0.063
9791	09/25/2008	10:36:47	0.069
9792	09/25/2008	10:36:48	0.058
9793	09/25/2008	10:36:49	0.068
9794	09/25/2008	10:36:50	0.058
9795	09/25/2008	10:36:51	0.056
9796	09/25/2008	10:36:52	0.060
9797	09/25/2008	10:36:53	0.064
9798	09/25/2008	10:36:54	0.059
9799	09/25/2008	10:36:55	0.153
9800	09/25/2008	10:36:56	0.158
9801	09/25/2008	10:36:57	0.113
9802	09/25/2008	10:36:58	0.071
9803	09/25/2008	10:36:59	0.070
9804	09/25/2008	10:37:00	0.093
9805	09/25/2008	10:37:01	0.070
9806	09/25/2008	10:37:02	0.091
9807	09/25/2008	10:37:03	0.080
9808	09/25/2008	10:37:04	0.062
9809	09/25/2008	10:37:05	0.069
9810	09/25/2008	10:37:06	0.065
9811	09/25/2008	10:37:07	0.061
9812	09/25/2008	10:37:08	0.083
9813	09/25/2008	10:37:09	0.078
9814	09/25/2008	10:37:10	0.063
9815	09/25/2008	10:37:11	0.063
9816	09/25/2008	10:37:12	0.063
9817	09/25/2008	10:37:13	0.061
9818	09/25/2008	10:37:14	0.066
9819	09/25/2008	10:37:15	0.062
9820	09/25/2008	10:37:16	0.077
9821	09/25/2008	10:37:17	0.073
9822	09/25/2008	10:37:18	0.056
9823	09/25/2008	10:37:19	0.061
9824	09/25/2008	10:37:20	0.063
9825	09/25/2008	10:37:21	0.057
9826	09/25/2008	10:37:22	0.062
9827	09/25/2008	10:37:23	0.054
9828	09/25/2008	10:37:24	0.057
9829	09/25/2008	10:37:25	0.057
9830	09/25/2008	10:37:26	0.056
9831	09/25/2008	10:37:27	0.063
9832	09/25/2008	10:37:28	0.054
9833	09/25/2008	10:37:29	0.067

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
9834	09/25/2008	10:37:30	0.057
9835	09/25/2008	10:37:31	0.057
9836	09/25/2008	10:37:32	0.063
9837	09/25/2008	10:37:33	0.076
9838	09/25/2008	10:37:34	0.081
9839	09/25/2008	10:37:35	0.064
9840	09/25/2008	10:37:36	0.060
9841	09/25/2008	10:37:37	0.057
9842	09/25/2008	10:37:38	0.069
9843	09/25/2008	10:37:39	0.056
9844	09/25/2008	10:37:40	0.058
9845	09/25/2008	10:37:41	0.081
9846	09/25/2008	10:37:42	0.058
9847	09/25/2008	10:37:43	0.055
9848	09/25/2008	10:37:44	0.056
9849	09/25/2008	10:37:45	0.059
9850	09/25/2008	10:37:46	0.058
9851	09/25/2008	10:37:47	0.060
9852	09/25/2008	10:37:48	0.057
9853	09/25/2008	10:37:49	0.059
9854	09/25/2008	10:37:50	0.070
9855	09/25/2008	10:37:51	0.060
9856	09/25/2008	10:37:52	0.062
9857	09/25/2008	10:37:53	0.091
9858	09/25/2008	10:37:54	0.057
9859	09/25/2008	10:37:55	0.055
9860	09/25/2008	10:37:56	0.059
9861	09/25/2008	10:37:57	0.055
9862	09/25/2008	10:37:58	0.057
9863	09/25/2008	10:37:59	0.055
9864	09/25/2008	10:38:00	0.056
9865	09/25/2008	10:38:01	0.061
9866	09/25/2008	10:38:02	0.062
9867	09/25/2008	10:38:03	0.056
9868	09/25/2008	10:38:04	0.068
9869	09/25/2008	10:38:05	0.055
9870	09/25/2008	10:38:06	0.062
9871	09/25/2008	10:38:07	0.052
9872	09/25/2008	10:38:08	0.059
9873	09/25/2008	10:38:09	0.074
9874	09/25/2008	10:38:10	0.055
9875	09/25/2008	10:38:11	0.102
9876	09/25/2008	10:38:12	0.063
9877	09/25/2008	10:38:13	0.059
9878	09/25/2008	10:38:14	0.057
9879	09/25/2008	10:38:15	0.057
9880	09/25/2008	10:38:16	0.056
9881	09/25/2008	10:38:17	0.061
9882	09/25/2008	10:38:18	0.058
9883	09/25/2008	10:38:19	0.054
9884	09/25/2008	10:38:20	0.057
9885	09/25/2008	10:38:21	0.059
9886	09/25/2008	10:38:22	0.056
9887	09/25/2008	10:38:23	0.054
9888	09/25/2008	10:38:24	0.053

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
9889	09/25/2008	10:38:25	0.061
9890	09/25/2008	10:38:26	0.075
9891	09/25/2008	10:38:27	0.061
9892	09/25/2008	10:38:28	0.062
9893	09/25/2008	10:38:29	0.055
9894	09/25/2008	10:38:30	0.058
9895	09/25/2008	10:38:31	0.057
9896	09/25/2008	10:38:32	0.075
9897	09/25/2008	10:38:33	0.067
9898	09/25/2008	10:38:34	0.063
9899	09/25/2008	10:38:35	0.059
9900	09/25/2008	10:38:36	0.068
9901	09/25/2008	10:38:37	0.061
9902	09/25/2008	10:38:38	0.071
9903	09/25/2008	10:38:39	0.112
9904	09/25/2008	10:38:40	0.060
9905	09/25/2008	10:38:41	0.057
9906	09/25/2008	10:38:42	0.073
9907	09/25/2008	10:38:43	0.057
9908	09/25/2008	10:38:44	0.058
9909	09/25/2008	10:38:45	0.062
9910	09/25/2008	10:38:46	0.067
9911	09/25/2008	10:38:47	0.056
9912	09/25/2008	10:38:48	0.070
9913	09/25/2008	10:38:49	0.052
9914	09/25/2008	10:38:50	0.077
9915	09/25/2008	10:38:51	0.065
9916	09/25/2008	10:38:52	0.061
9917	09/25/2008	10:38:53	0.061
9918	09/25/2008	10:38:54	0.055
9919	09/25/2008	10:38:55	0.061
9920	09/25/2008	10:38:56	0.097
9921	09/25/2008	10:38:57	0.061
9922	09/25/2008	10:38:58	0.061
9923	09/25/2008	10:38:59	0.068
9924	09/25/2008	10:39:00	0.060
9925	09/25/2008	10:39:01	0.057
9926	09/25/2008	10:39:02	0.054
9927	09/25/2008	10:39:03	0.055
9928	09/25/2008	10:39:04	0.052
9929	09/25/2008	10:39:05	0.061
9930	09/25/2008	10:39:06	0.059
9931	09/25/2008	10:39:07	0.057
9932	09/25/2008	10:39:08	0.056
9933	09/25/2008	10:39:09	0.060
9934	09/25/2008	10:39:10	0.056
9935	09/25/2008	10:39:11	0.070
9936	09/25/2008	10:39:12	0.059
9937	09/25/2008	10:39:13	0.068
9938	09/25/2008	10:39:14	0.060
9939	09/25/2008	10:39:15	0.060
9940	09/25/2008	10:39:16	0.060
9941	09/25/2008	10:39:17	0.057
9942	09/25/2008	10:39:18	0.057
9943	09/25/2008	10:39:19	0.056

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
9944	09/25/2008	10:39:20	0.054
9945	09/25/2008	10:39:21	0.051
9946	09/25/2008	10:39:22	0.059
9947	09/25/2008	10:39:23	0.055
9948	09/25/2008	10:39:24	0.054
9949	09/25/2008	10:39:25	0.096
9950	09/25/2008	10:39:26	0.064
9951	09/25/2008	10:39:27	0.059
9952	09/25/2008	10:39:28	0.058
9953	09/25/2008	10:39:29	0.059
9954	09/25/2008	10:39:30	0.060
9955	09/25/2008	10:39:31	0.069
9956	09/25/2008	10:39:32	0.065
9957	09/25/2008	10:39:33	0.062
9958	09/25/2008	10:39:34	0.068
9959	09/25/2008	10:39:35	0.073
9960	09/25/2008	10:39:36	0.056
9961	09/25/2008	10:39:37	0.066
9962	09/25/2008	10:39:38	0.060
9963	09/25/2008	10:39:39	0.057
9964	09/25/2008	10:39:40	0.067
9965	09/25/2008	10:39:41	0.056
9966	09/25/2008	10:39:42	0.059
9967	09/25/2008	10:39:43	0.066
9968	09/25/2008	10:39:44	0.063
9969	09/25/2008	10:39:45	0.075
9970	09/25/2008	10:39:46	0.057
9971	09/25/2008	10:39:47	0.059
9972	09/25/2008	10:39:48	0.060
9973	09/25/2008	10:39:49	0.058
9974	09/25/2008	10:39:50	0.056
9975	09/25/2008	10:39:51	0.062
9976	09/25/2008	10:39:52	0.057
9977	09/25/2008	10:39:53	0.054
9978	09/25/2008	10:39:54	0.056
9979	09/25/2008	10:39:55	0.065
9980	09/25/2008	10:39:56	0.061
9981	09/25/2008	10:39:57	0.065
9982	09/25/2008	10:39:58	0.055
9983	09/25/2008	10:39:59	0.055
9984	09/25/2008	10:40:00	0.057
9985	09/25/2008	10:40:01	0.059
9986	09/25/2008	10:40:02	0.062
9987	09/25/2008	10:40:03	0.060
9988	09/25/2008	10:40:04	0.067
9989	09/25/2008	10:40:05	0.057
9990	09/25/2008	10:40:06	0.059
9991	09/25/2008	10:40:07	0.062
9992	09/25/2008	10:40:08	0.061
9993	09/25/2008	10:40:09	0.054
9994	09/25/2008	10:40:10	0.099
9995	09/25/2008	10:40:11	0.056
9996	09/25/2008	10:40:12	0.056
9997	09/25/2008	10:40:13	0.066
9998	09/25/2008	10:40:14	0.065



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
9999	09/25/2008	10:40:15	0.056
10000	09/25/2008	10:40:16	0.066
10001	09/25/2008	10:40:17	0.061
10002	09/25/2008	10:40:18	0.057
10003	09/25/2008	10:40:19	0.057
10004	09/25/2008	10:40:20	0.058
10005	09/25/2008	10:40:21	0.055
10006	09/25/2008	10:40:22	0.059
10007	09/25/2008	10:40:23	0.066
10008	09/25/2008	10:40:24	0.056
10009	09/25/2008	10:40:25	0.053
10010	09/25/2008	10:40:26	0.064
10011	09/25/2008	10:40:27	0.059
10012	09/25/2008	10:40:28	0.061
10013	09/25/2008	10:40:29	0.063
10014	09/25/2008	10:40:30	0.059
10015	09/25/2008	10:40:31	0.071
10016	09/25/2008	10:40:32	0.061
10017	09/25/2008	10:40:33	0.052
10018	09/25/2008	10:40:34	0.060
10019	09/25/2008	10:40:35	0.057
10020	09/25/2008	10:40:36	0.058
10021	09/25/2008	10:40:37	0.064
10022	09/25/2008	10:40:38	0.056
10023	09/25/2008	10:40:39	0.056
10024	09/25/2008	10:40:40	0.067
10025	09/25/2008	10:40:41	0.065
10026	09/25/2008	10:40:42	0.055
10027	09/25/2008	10:40:43	0.058
10028	09/25/2008	10:40:44	0.060
10029	09/25/2008	10:40:45	0.059
10030	09/25/2008	10:40:46	0.053
10031	09/25/2008	10:40:47	0.055
10032	09/25/2008	10:40:48	0.061
10033	09/25/2008	10:40:49	0.081
10034	09/25/2008	10:40:50	0.051
10035	09/25/2008	10:40:51	0.081
10036	09/25/2008	10:40:52	0.057
10037	09/25/2008	10:40:53	0.057
10038	09/25/2008	10:40:54	0.061
10039	09/25/2008	10:40:55	0.061
10040	09/25/2008	10:40:56	0.059
10041	09/25/2008	10:40:57	0.077
10042	09/25/2008	10:40:58	0.056
10043	09/25/2008	10:40:59	0.065
10044	09/25/2008	10:41:00	0.059
10045	09/25/2008	10:41:01	0.104
10046	09/25/2008	10:41:02	0.062
10047	09/25/2008	10:41:03	0.054
10048	09/25/2008	10:41:04	0.052
10049	09/25/2008	10:41:05	0.057
10050	09/25/2008	10:41:06	0.062
10051	09/25/2008	10:41:07	0.056
10052	09/25/2008	10:41:08	0.054
10053	09/25/2008	10:41:09	0.060

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
10054	09/25/2008	10:41:10	0.066
10055	09/25/2008	10:41:11	0.057
10056	09/25/2008	10:41:12	0.055
10057	09/25/2008	10:41:13	0.058
10058	09/25/2008	10:41:14	0.053
10059	09/25/2008	10:41:15	0.054
10060	09/25/2008	10:41:16	0.060
10061	09/25/2008	10:41:17	0.063
10062	09/25/2008	10:41:18	0.060
10063	09/25/2008	10:41:19	0.063
10064	09/25/2008	10:41:20	0.060
10065	09/25/2008	10:41:21	0.055
10066	09/25/2008	10:41:22	0.068
10067	09/25/2008	10:41:23	0.056
10068	09/25/2008	10:41:24	0.062
10069	09/25/2008	10:41:25	0.070
10070	09/25/2008	10:41:26	0.062
10071	09/25/2008	10:41:27	0.061
10072	09/25/2008	10:41:28	0.063
10073	09/25/2008	10:41:29	0.058
10074	09/25/2008	10:41:30	0.076
10075	09/25/2008	10:41:31	0.072
10076	09/25/2008	10:41:32	0.079
10077	09/25/2008	10:41:33	0.057
10078	09/25/2008	10:41:34	0.064
10079	09/25/2008	10:41:35	0.065
10080	09/25/2008	10:41:36	0.066
10081	09/25/2008	10:41:37	0.056
10082	09/25/2008	10:41:38	0.074
10083	09/25/2008	10:41:39	0.054
10084	09/25/2008	10:41:40	0.057
10085	09/25/2008	10:41:41	0.057
10086	09/25/2008	10:41:42	0.056
10087	09/25/2008	10:41:43	0.059
10088	09/25/2008	10:41:44	0.057
10089	09/25/2008	10:41:45	0.057
10090	09/25/2008	10:41:46	0.062
10091	09/25/2008	10:41:47	0.056
10092	09/25/2008	10:41:48	0.059
10093	09/25/2008	10:41:49	0.058
10094	09/25/2008	10:41:50	0.053
10095	09/25/2008	10:41:51	0.058
10096	09/25/2008	10:41:52	0.066
10097	09/25/2008	10:41:53	0.069
10098	09/25/2008	10:41:54	0.059
10099	09/25/2008	10:41:55	0.061
10100	09/25/2008	10:41:56	0.088
10101	09/25/2008	10:41:57	0.059
10102	09/25/2008	10:41:58	0.054
10103	09/25/2008	10:41:59	0.061
10104	09/25/2008	10:42:00	0.071
10105	09/25/2008	10:42:01	0.053
10106	09/25/2008	10:42:02	0.058
10107	09/25/2008	10:42:03	0.060
10108	09/25/2008	10:42:04	0.054

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
10109	09/25/2008	10:42:05	0.056
10110	09/25/2008	10:42:06	0.058
10111	09/25/2008	10:42:07	0.067
10112	09/25/2008	10:42:08	0.056
10113	09/25/2008	10:42:09	0.068
10114	09/25/2008	10:42:10	0.057
10115	09/25/2008	10:42:11	0.057
10116	09/25/2008	10:42:12	0.057
10117	09/25/2008	10:42:13	0.057
10118	09/25/2008	10:42:14	0.057
10119	09/25/2008	10:42:15	0.060
10120	09/25/2008	10:42:16	0.062
10121	09/25/2008	10:42:17	0.057
10122	09/25/2008	10:42:18	0.055
10123	09/25/2008	10:42:19	0.056
10124	09/25/2008	10:42:20	0.061
10125	09/25/2008	10:42:21	0.059
10126	09/25/2008	10:42:22	0.068
10127	09/25/2008	10:42:23	0.060
10128	09/25/2008	10:42:24	0.064
10129	09/25/2008	10:42:25	0.055
10130	09/25/2008	10:42:26	0.063
10131	09/25/2008	10:42:27	0.060
10132	09/25/2008	10:42:28	0.063
10133	09/25/2008	10:42:29	0.059
10134	09/25/2008	10:42:30	0.057
10135	09/25/2008	10:42:31	0.055
10136	09/25/2008	10:42:32	0.055
10137	09/25/2008	10:42:33	0.058
10138	09/25/2008	10:42:34	0.060
10139	09/25/2008	10:42:35	0.063
10140	09/25/2008	10:42:36	0.053
10141	09/25/2008	10:42:37	0.070
10142	09/25/2008	10:42:38	0.072
10143	09/25/2008	10:42:39	0.061
10144	09/25/2008	10:42:40	0.058
10145	09/25/2008	10:42:41	0.062
10146	09/25/2008	10:42:42	0.063
10147	09/25/2008	10:42:43	0.067
10148	09/25/2008	10:42:44	0.060
10149	09/25/2008	10:42:45	0.057
10150	09/25/2008	10:42:46	0.053
10151	09/25/2008	10:42:47	0.054
10152	09/25/2008	10:42:48	0.058
10153	09/25/2008	10:42:49	0.057
10154	09/25/2008	10:42:50	0.054
10155	09/25/2008	10:42:51	0.058
10156	09/25/2008	10:42:52	0.056
10157	09/25/2008	10:42:53	0.059
10158	09/25/2008	10:42:54	0.060
10159	09/25/2008	10:42:55	0.056
10160	09/25/2008	10:42:56	0.063
10161	09/25/2008	10:42:57	0.072
10162	09/25/2008	10:42:58	0.099
10163	09/25/2008	10:42:59	0.064

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
10164	09/25/2008	10:43:00	0.069
10165	09/25/2008	10:43:01	0.071
10166	09/25/2008	10:43:02	0.059
10167	09/25/2008	10:43:03	0.074
10168	09/25/2008	10:43:04	0.063
10169	09/25/2008	10:43:05	0.080
10170	09/25/2008	10:43:06	0.064
10171	09/25/2008	10:43:07	0.057
10172	09/25/2008	10:43:08	0.059
10173	09/25/2008	10:43:09	0.071
10174	09/25/2008	10:43:10	0.166
10175	09/25/2008	10:43:11	0.162
10176	09/25/2008	10:43:12	0.241
10177	09/25/2008	10:43:13	0.175
10178	09/25/2008	10:43:14	0.083
10179	09/25/2008	10:43:15	0.071
10180	09/25/2008	10:43:16	0.067
10181	09/25/2008	10:43:17	0.064
10182	09/25/2008	10:43:18	0.063
10183	09/25/2008	10:43:19	0.064
10184	09/25/2008	10:43:20	0.079
10185	09/25/2008	10:43:21	0.066
10186	09/25/2008	10:43:22	0.056
10187	09/25/2008	10:43:23	0.066
10188	09/25/2008	10:43:24	0.063
10189	09/25/2008	10:43:25	0.056
10190	09/25/2008	10:43:26	0.075
10191	09/25/2008	10:43:27	0.058
10192	09/25/2008	10:43:28	0.060
10193	09/25/2008	10:43:29	0.052
10194	09/25/2008	10:43:30	0.057
10195	09/25/2008	10:43:31	0.057
10196	09/25/2008	10:43:32	0.056
10197	09/25/2008	10:43:33	0.053
10198	09/25/2008	10:43:34	0.105
10199	09/25/2008	10:43:35	0.059
10200	09/25/2008	10:43:36	0.073
10201	09/25/2008	10:43:37	0.059
10202	09/25/2008	10:43:38	0.090
10203	09/25/2008	10:43:39	0.055
10204	09/25/2008	10:43:40	0.057
10205	09/25/2008	10:43:41	0.065
10206	09/25/2008	10:43:42	0.064
10207	09/25/2008	10:43:43	0.060
10208	09/25/2008	10:43:44	0.059
10209	09/25/2008	10:43:45	0.061
10210	09/25/2008	10:43:46	0.054
10211	09/25/2008	10:43:47	0.055
10212	09/25/2008	10:43:48	0.058
10213	09/25/2008	10:43:49	0.061
10214	09/25/2008	10:43:50	0.056
10215	09/25/2008	10:43:51	0.059
10216	09/25/2008	10:43:52	0.055
10217	09/25/2008	10:43:53	0.083
10218	09/25/2008	10:43:54	0.059

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
10219	09/25/2008	10:43:55	0.063
10220	09/25/2008	10:43:56	0.054
10221	09/25/2008	10:43:57	0.053
10222	09/25/2008	10:43:58	0.058
10223	09/25/2008	10:43:59	0.052
10224	09/25/2008	10:44:00	0.058
10225	09/25/2008	10:44:01	0.060
10226	09/25/2008	10:44:02	0.074
10227	09/25/2008	10:44:03	0.065
10228	09/25/2008	10:44:04	0.055
10229	09/25/2008	10:44:05	0.057
10230	09/25/2008	10:44:06	0.061
10231	09/25/2008	10:44:07	0.081
10232	09/25/2008	10:44:08	0.061
10233	09/25/2008	10:44:09	0.070
10234	09/25/2008	10:44:10	0.057
10235	09/25/2008	10:44:11	0.068
10236	09/25/2008	10:44:12	0.059
10237	09/25/2008	10:44:13	0.061
10238	09/25/2008	10:44:14	0.055
10239	09/25/2008	10:44:15	0.052
10240	09/25/2008	10:44:16	0.052
10241	09/25/2008	10:44:17	0.062
10242	09/25/2008	10:44:18	0.060
10243	09/25/2008	10:44:19	0.056
10244	09/25/2008	10:44:20	0.058
10245	09/25/2008	10:44:21	0.058
10246	09/25/2008	10:44:22	0.069
10247	09/25/2008	10:44:23	0.064
10248	09/25/2008	10:44:24	0.068
10249	09/25/2008	10:44:25	0.063
10250	09/25/2008	10:44:26	0.056
10251	09/25/2008	10:44:27	0.059
10252	09/25/2008	10:44:28	0.082
10253	09/25/2008	10:44:29	0.080
10254	09/25/2008	10:44:30	0.068
10255	09/25/2008	10:44:31	0.081
10256	09/25/2008	10:44:32	0.165
10257	09/25/2008	10:44:33	0.089
10258	09/25/2008	10:44:34	0.097
10259	09/25/2008	10:44:35	0.065
10260	09/25/2008	10:44:36	0.056
10261	09/25/2008	10:44:37	0.059
10262	09/25/2008	10:44:38	0.061
10263	09/25/2008	10:44:39	0.058
10264	09/25/2008	10:44:40	0.062
10265	09/25/2008	10:44:41	0.054
10266	09/25/2008	10:44:42	0.057
10267	09/25/2008	10:44:43	0.051
10268	09/25/2008	10:44:44	0.077
10269	09/25/2008	10:44:45	0.057
10270	09/25/2008	10:44:46	0.057
10271	09/25/2008	10:44:47	0.056
10272	09/25/2008	10:44:48	0.063
10273	09/25/2008	10:44:49	0.064

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
10274	09/25/2008	10:44:50	0.055
10275	09/25/2008	10:44:51	0.059
10276	09/25/2008	10:44:52	0.068
10277	09/25/2008	10:44:53	0.074
10278	09/25/2008	10:44:54	0.072
10279	09/25/2008	10:44:55	0.066
10280	09/25/2008	10:44:56	0.070
10281	09/25/2008	10:44:57	0.056
10282	09/25/2008	10:44:58	0.052
10283	09/25/2008	10:44:59	0.056
10284	09/25/2008	10:45:00	0.058
10285	09/25/2008	10:45:01	0.069
10286	09/25/2008	10:45:02	0.059
10287	09/25/2008	10:45:03	0.056
10288	09/25/2008	10:45:04	0.056
10289	09/25/2008	10:45:05	0.076
10290	09/25/2008	10:45:06	0.055
10291	09/25/2008	10:45:07	0.057
10292	09/25/2008	10:45:08	0.053
10293	09/25/2008	10:45:09	0.055
10294	09/25/2008	10:45:10	0.059
10295	09/25/2008	10:45:11	0.058
10296	09/25/2008	10:45:12	0.059
10297	09/25/2008	10:45:13	0.058
10298	09/25/2008	10:45:14	0.063
10299	09/25/2008	10:45:15	0.062
10300	09/25/2008	10:45:16	0.063
10301	09/25/2008	10:45:17	0.057
10302	09/25/2008	10:45:18	0.057
10303	09/25/2008	10:45:19	0.054
10304	09/25/2008	10:45:20	0.055
10305	09/25/2008	10:45:21	0.058
10306	09/25/2008	10:45:22	0.069
10307	09/25/2008	10:45:23	0.073
10308	09/25/2008	10:45:24	0.060
10309	09/25/2008	10:45:25	0.061
10310	09/25/2008	10:45:26	0.070
10311	09/25/2008	10:45:27	0.063
10312	09/25/2008	10:45:28	0.060
10313	09/25/2008	10:45:29	0.059
10314	09/25/2008	10:45:30	0.060
10315	09/25/2008	10:45:31	0.085
10316	09/25/2008	10:45:32	0.065
10317	09/25/2008	10:45:33	0.062
10318	09/25/2008	10:45:34	0.064
10319	09/25/2008	10:45:35	0.065
10320	09/25/2008	10:45:36	0.058
10321	09/25/2008	10:45:37	0.073
10322	09/25/2008	10:45:38	0.063
10323	09/25/2008	10:45:39	0.063
10324	09/25/2008	10:45:40	0.058
10325	09/25/2008	10:45:41	0.058
10326	09/25/2008	10:45:42	0.082
10327	09/25/2008	10:45:43	0.082
10328	09/25/2008	10:45:44	0.074

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
10329	09/25/2008	10:45:45	0.071
10330	09/25/2008	10:45:46	0.073
10331	09/25/2008	10:45:47	0.060
10332	09/25/2008	10:45:48	0.055
10333	09/25/2008	10:45:49	0.055
10334	09/25/2008	10:45:50	0.056
10335	09/25/2008	10:45:51	0.066
10336	09/25/2008	10:45:52	0.055
10337	09/25/2008	10:45:53	0.067
10338	09/25/2008	10:45:54	0.066
10339	09/25/2008	10:45:55	0.099
10340	09/25/2008	10:45:56	0.095
10341	09/25/2008	10:45:57	0.106
10342	09/25/2008	10:45:58	0.078
10343	09/25/2008	10:45:59	0.078
10344	09/25/2008	10:46:00	0.062
10345	09/25/2008	10:46:01	0.065
10346	09/25/2008	10:46:02	0.069
10347	09/25/2008	10:46:03	0.084
10348	09/25/2008	10:46:04	0.087
10349	09/25/2008	10:46:05	0.086
10350	09/25/2008	10:46:06	0.088
10351	09/25/2008	10:46:07	0.093
10352	09/25/2008	10:46:08	0.151
10353	09/25/2008	10:46:09	0.089
10354	09/25/2008	10:46:10	0.066
10355	09/25/2008	10:46:11	0.062
10356	09/25/2008	10:46:12	0.082
10357	09/25/2008	10:46:13	0.060
10358	09/25/2008	10:46:14	0.060
10359	09/25/2008	10:46:15	0.062
10360	09/25/2008	10:46:16	0.063
10361	09/25/2008	10:46:17	0.062
10362	09/25/2008	10:46:18	0.067
10363	09/25/2008	10:46:19	0.062
10364	09/25/2008	10:46:20	0.062
10365	09/25/2008	10:46:21	0.058
10366	09/25/2008	10:46:22	0.056
10367	09/25/2008	10:46:23	0.056
10368	09/25/2008	10:46:24	0.062
10369	09/25/2008	10:46:25	0.063
10370	09/25/2008	10:46:26	0.057
10371	09/25/2008	10:46:27	0.054
10372	09/25/2008	10:46:28	0.061
10373	09/25/2008	10:46:29	0.051
10374	09/25/2008	10:46:30	0.055
10375	09/25/2008	10:46:31	0.056
10376	09/25/2008	10:46:32	0.059
10377	09/25/2008	10:46:33	0.054
10378	09/25/2008	10:46:34	0.082
10379	09/25/2008	10:46:35	0.062
10380	09/25/2008	10:46:36	0.058
10381	09/25/2008	10:46:37	0.061
10382	09/25/2008	10:46:38	0.083
10383	09/25/2008	10:46:39	0.064

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
10384	09/25/2008	10:46:40	0.063
10385	09/25/2008	10:46:41	0.068
10386	09/25/2008	10:46:42	0.078
10387	09/25/2008	10:46:43	0.053
10388	09/25/2008	10:46:44	0.083
10389	09/25/2008	10:46:45	0.061
10390	09/25/2008	10:46:46	0.062
10391	09/25/2008	10:46:47	0.065
10392	09/25/2008	10:46:48	0.074
10393	09/25/2008	10:46:49	0.053
10394	09/25/2008	10:46:50	0.061
10395	09/25/2008	10:46:51	0.057
10396	09/25/2008	10:46:52	0.058
10397	09/25/2008	10:46:53	0.061
10398	09/25/2008	10:46:54	0.090
10399	09/25/2008	10:46:55	0.068
10400	09/25/2008	10:46:56	0.059
10401	09/25/2008	10:46:57	0.060
10402	09/25/2008	10:46:58	0.058
10403	09/25/2008	10:46:59	0.058
10404	09/25/2008	10:47:00	0.070
10405	09/25/2008	10:47:01	0.057
10406	09/25/2008	10:47:02	0.059
10407	09/25/2008	10:47:03	0.053
10408	09/25/2008	10:47:04	0.059
10409	09/25/2008	10:47:05	0.061
10410	09/25/2008	10:47:06	0.087
10411	09/25/2008	10:47:07	0.078
10412	09/25/2008	10:47:08	0.056
10413	09/25/2008	10:47:09	0.057
10414	09/25/2008	10:47:10	0.074
10415	09/25/2008	10:47:11	0.071
10416	09/25/2008	10:47:12	0.075
10417	09/25/2008	10:47:13	0.068
10418	09/25/2008	10:47:14	0.054
10419	09/25/2008	10:47:15	0.060
10420	09/25/2008	10:47:16	0.060
10421	09/25/2008	10:47:17	0.059
10422	09/25/2008	10:47:18	0.058
10423	09/25/2008	10:47:19	0.058
10424	09/25/2008	10:47:20	0.059
10425	09/25/2008	10:47:21	0.056
10426	09/25/2008	10:47:22	0.053
10427	09/25/2008	10:47:23	0.057
10428	09/25/2008	10:47:24	0.053
10429	09/25/2008	10:47:25	0.064
10430	09/25/2008	10:47:26	0.060
10431	09/25/2008	10:47:27	0.054
10432	09/25/2008	10:47:28	0.050
10433	09/25/2008	10:47:29	0.065
10434	09/25/2008	10:47:30	0.053
10435	09/25/2008	10:47:31	0.067
10436	09/25/2008	10:47:32	0.055
10437	09/25/2008	10:47:33	0.059
10438	09/25/2008	10:47:34	0.068



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
10439	09/25/2008	10:47:35	0.060
10440	09/25/2008	10:47:36	0.054
10441	09/25/2008	10:47:37	0.055
10442	09/25/2008	10:47:38	0.056
10443	09/25/2008	10:47:39	0.073
10444	09/25/2008	10:47:40	0.053
10445	09/25/2008	10:47:41	0.058
10446	09/25/2008	10:47:42	0.058
10447	09/25/2008	10:47:43	0.060
10448	09/25/2008	10:47:44	0.060
10449	09/25/2008	10:47:45	0.060
10450	09/25/2008	10:47:46	0.068
10451	09/25/2008	10:47:47	0.072
10452	09/25/2008	10:47:48	0.095
10453	09/25/2008	10:47:49	0.064
10454	09/25/2008	10:47:50	0.060
10455	09/25/2008	10:47:51	0.052
10456	09/25/2008	10:47:52	0.052
10457	09/25/2008	10:47:53	0.056
10458	09/25/2008	10:47:54	0.057
10459	09/25/2008	10:47:55	0.062
10460	09/25/2008	10:47:56	0.056
10461	09/25/2008	10:47:57	0.068
10462	09/25/2008	10:47:58	0.067
10463	09/25/2008	10:47:59	0.063
10464	09/25/2008	10:48:00	0.060
10465	09/25/2008	10:48:01	0.060
10466	09/25/2008	10:48:02	0.070
10467	09/25/2008	10:48:03	0.059
10468	09/25/2008	10:48:04	0.064
10469	09/25/2008	10:48:05	0.088
10470	09/25/2008	10:48:06	0.059
10471	09/25/2008	10:48:07	0.057
10472	09/25/2008	10:48:08	0.055
10473	09/25/2008	10:48:09	0.060
10474	09/25/2008	10:48:10	0.057
10475	09/25/2008	10:48:11	0.101
10476	09/25/2008	10:48:12	0.063
10477	09/25/2008	10:48:13	0.054
10478	09/25/2008	10:48:14	0.058
10479	09/25/2008	10:48:15	0.053
10480	09/25/2008	10:48:16	0.057
10481	09/25/2008	10:48:17	0.052
10482	09/25/2008	10:48:18	0.085
10483	09/25/2008	10:48:19	0.069
10484	09/25/2008	10:48:20	0.058
10485	09/25/2008	10:48:21	0.056
10486	09/25/2008	10:48:22	0.063
10487	09/25/2008	10:48:23	0.057
10488	09/25/2008	10:48:24	0.053
10489	09/25/2008	10:48:25	0.066
10490	09/25/2008	10:48:26	0.052
10491	09/25/2008	10:48:27	0.053
10492	09/25/2008	10:48:28	0.052
10493	09/25/2008	10:48:29	0.068

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
10494	09/25/2008	10:48:30	0.054
10495	09/25/2008	10:48:31	0.076
10496	09/25/2008	10:48:32	0.060
10497	09/25/2008	10:48:33	0.066
10498	09/25/2008	10:48:34	0.056
10499	09/25/2008	10:48:35	0.054
10500	09/25/2008	10:48:36	0.069
10501	09/25/2008	10:48:37	0.058
10502	09/25/2008	10:48:38	0.055
10503	09/25/2008	10:48:39	0.057
10504	09/25/2008	10:48:40	0.070
10505	09/25/2008	10:48:41	0.058
10506	09/25/2008	10:48:42	0.056
10507	09/25/2008	10:48:43	0.058
10508	09/25/2008	10:48:44	0.059
10509	09/25/2008	10:48:45	0.055
10510	09/25/2008	10:48:46	0.056
10511	09/25/2008	10:48:47	0.062
10512	09/25/2008	10:48:48	0.068
10513	09/25/2008	10:48:49	0.063
10514	09/25/2008	10:48:50	0.050
10515	09/25/2008	10:48:51	0.066
10516	09/25/2008	10:48:52	0.057
10517	09/25/2008	10:48:53	0.060
10518	09/25/2008	10:48:54	0.054
10519	09/25/2008	10:48:55	0.057
10520	09/25/2008	10:48:56	0.064
10521	09/25/2008	10:48:57	0.068
10522	09/25/2008	10:48:58	0.062
10523	09/25/2008	10:48:59	0.056
10524	09/25/2008	10:49:00	0.061
10525	09/25/2008	10:49:01	0.061
10526	09/25/2008	10:49:02	0.056
10527	09/25/2008	10:49:03	0.054
10528	09/25/2008	10:49:04	0.054
10529	09/25/2008	10:49:05	0.069
10530	09/25/2008	10:49:06	0.054
10531	09/25/2008	10:49:07	0.056
10532	09/25/2008	10:49:08	0.056
10533	09/25/2008	10:49:09	0.059
10534	09/25/2008	10:49:10	0.053
10535	09/25/2008	10:49:11	0.063
10536	09/25/2008	10:49:12	0.068
10537	09/25/2008	10:49:13	0.069
10538	09/25/2008	10:49:14	0.057
10539	09/25/2008	10:49:15	0.066
10540	09/25/2008	10:49:16	0.054
10541	09/25/2008	10:49:17	0.057
10542	09/25/2008	10:49:18	0.063
10543	09/25/2008	10:49:19	0.059
10544	09/25/2008	10:49:20	0.065
10545	09/25/2008	10:49:21	0.068
10546	09/25/2008	10:49:22	0.058
10547	09/25/2008	10:49:23	0.063
10548	09/25/2008	10:49:24	0.054

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
10549	09/25/2008	10:49:25	0.057
10550	09/25/2008	10:49:26	0.062
10551	09/25/2008	10:49:27	0.048
10552	09/25/2008	10:49:28	0.067
10553	09/25/2008	10:49:29	0.056
10554	09/25/2008	10:49:30	0.053
10555	09/25/2008	10:49:31	0.056
10556	09/25/2008	10:49:32	0.060
10557	09/25/2008	10:49:33	0.053
10558	09/25/2008	10:49:34	0.059
10559	09/25/2008	10:49:35	0.057
10560	09/25/2008	10:49:36	0.049
10561	09/25/2008	10:49:37	0.052
10562	09/25/2008	10:49:38	0.054
10563	09/25/2008	10:49:39	0.063
10564	09/25/2008	10:49:40	0.054
10565	09/25/2008	10:49:41	0.062
10566	09/25/2008	10:49:42	0.073
10567	09/25/2008	10:49:43	0.059
10568	09/25/2008	10:49:44	0.061
10569	09/25/2008	10:49:45	0.053
10570	09/25/2008	10:49:46	0.057
10571	09/25/2008	10:49:47	0.052
10572	09/25/2008	10:49:48	0.057
10573	09/25/2008	10:49:49	0.050
10574	09/25/2008	10:49:50	0.060
10575	09/25/2008	10:49:51	0.059
10576	09/25/2008	10:49:52	0.062
10577	09/25/2008	10:49:53	0.072
10578	09/25/2008	10:49:54	0.052
10579	09/25/2008	10:49:55	0.055
10580	09/25/2008	10:49:56	0.061
10581	09/25/2008	10:49:57	0.050
10582	09/25/2008	10:49:58	0.108
10583	09/25/2008	10:49:59	0.063
10584	09/25/2008	10:50:00	0.062
10585	09/25/2008	10:50:01	0.063
10586	09/25/2008	10:50:02	0.053
10587	09/25/2008	10:50:03	0.054
10588	09/25/2008	10:50:04	0.055
10589	09/25/2008	10:50:05	0.054
10590	09/25/2008	10:50:06	0.066
10591	09/25/2008	10:50:07	0.057
10592	09/25/2008	10:50:08	0.060
10593	09/25/2008	10:50:09	0.060
10594	09/25/2008	10:50:10	0.058
10595	09/25/2008	10:50:11	0.049
10596	09/25/2008	10:50:12	0.049
10597	09/25/2008	10:50:13	0.059
10598	09/25/2008	10:50:14	0.054
10599	09/25/2008	10:50:15	0.050
10600	09/25/2008	10:50:16	0.067
10601	09/25/2008	10:50:17	0.059
10602	09/25/2008	10:50:18	0.086
10603	09/25/2008	10:50:19	0.068

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
10604	09/25/2008	10:50:20	0.057
10605	09/25/2008	10:50:21	0.061
10606	09/25/2008	10:50:22	0.052
10607	09/25/2008	10:50:23	0.054
10608	09/25/2008	10:50:24	0.054
10609	09/25/2008	10:50:25	0.051
10610	09/25/2008	10:50:26	0.052
10611	09/25/2008	10:50:27	0.065
10612	09/25/2008	10:50:28	0.077
10613	09/25/2008	10:50:29	0.057
10614	09/25/2008	10:50:30	0.096
10615	09/25/2008	10:50:31	0.057
10616	09/25/2008	10:50:32	0.055
10617	09/25/2008	10:50:33	0.056
10618	09/25/2008	10:50:34	0.058
10619	09/25/2008	10:50:35	0.061
10620	09/25/2008	10:50:36	0.079
10621	09/25/2008	10:50:37	0.071
10622	09/25/2008	10:50:38	0.092
10623	09/25/2008	10:50:39	0.079
10624	09/25/2008	10:50:40	0.063
10625	09/25/2008	10:50:41	0.088
10626	09/25/2008	10:50:42	0.066
10627	09/25/2008	10:50:43	0.056
10628	09/25/2008	10:50:44	0.076
10629	09/25/2008	10:50:45	0.059
10630	09/25/2008	10:50:46	0.074
10631	09/25/2008	10:50:47	0.066
10632	09/25/2008	10:50:48	0.068
10633	09/25/2008	10:50:49	0.065
10634	09/25/2008	10:50:50	0.074
10635	09/25/2008	10:50:51	0.074
10636	09/25/2008	10:50:52	0.070
10637	09/25/2008	10:50:53	0.057
10638	09/25/2008	10:50:54	0.061
10639	09/25/2008	10:50:55	0.061
10640	09/25/2008	10:50:56	0.058
10641	09/25/2008	10:50:57	0.086
10642	09/25/2008	10:50:58	0.080
10643	09/25/2008	10:50:59	0.085
10644	09/25/2008	10:51:00	0.062
10645	09/25/2008	10:51:01	0.063
10646	09/25/2008	10:51:02	0.074
10647	09/25/2008	10:51:03	0.060
10648	09/25/2008	10:51:04	0.059
10649	09/25/2008	10:51:05	0.059
10650	09/25/2008	10:51:06	0.058
10651	09/25/2008	10:51:07	0.058
10652	09/25/2008	10:51:08	0.056
10653	09/25/2008	10:51:09	0.061
10654	09/25/2008	10:51:10	0.058
10655	09/25/2008	10:51:11	0.058
10656	09/25/2008	10:51:12	0.057
10657	09/25/2008	10:51:13	0.068
10658	09/25/2008	10:51:14	0.084

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
10659	09/25/2008	10:51:15	0.053
10660	09/25/2008	10:51:16	0.062
10661	09/25/2008	10:51:17	0.059
10662	09/25/2008	10:51:18	0.061
10663	09/25/2008	10:51:19	0.062
10664	09/25/2008	10:51:20	0.055
10665	09/25/2008	10:51:21	0.055
10666	09/25/2008	10:51:22	0.054
10667	09/25/2008	10:51:23	0.054
10668	09/25/2008	10:51:24	0.109
10669	09/25/2008	10:51:25	0.060
10670	09/25/2008	10:51:26	0.059
10671	09/25/2008	10:51:27	0.062
10672	09/25/2008	10:51:28	0.056
10673	09/25/2008	10:51:29	0.053
10674	09/25/2008	10:51:30	0.060
10675	09/25/2008	10:51:31	0.058
10676	09/25/2008	10:51:32	0.055
10677	09/25/2008	10:51:33	0.054
10678	09/25/2008	10:51:34	0.055
10679	09/25/2008	10:51:35	0.095
10680	09/25/2008	10:51:36	0.075
10681	09/25/2008	10:51:37	0.065
10682	09/25/2008	10:51:38	0.080
10683	09/25/2008	10:51:39	0.057
10684	09/25/2008	10:51:40	0.058
10685	09/25/2008	10:51:41	0.057
10686	09/25/2008	10:51:42	0.059
10687	09/25/2008	10:51:43	0.059
10688	09/25/2008	10:51:44	0.054
10689	09/25/2008	10:51:45	0.060
10690	09/25/2008	10:51:46	0.053
10691	09/25/2008	10:51:47	0.057
10692	09/25/2008	10:51:48	0.054
10693	09/25/2008	10:51:49	0.056
10694	09/25/2008	10:51:50	0.054
10695	09/25/2008	10:51:51	0.055
10696	09/25/2008	10:51:52	0.055
10697	09/25/2008	10:51:53	0.060
10698	09/25/2008	10:51:54	0.062
10699	09/25/2008	10:51:55	0.061
10700	09/25/2008	10:51:56	0.051
10701	09/25/2008	10:51:57	0.056
10702	09/25/2008	10:51:58	0.054
10703	09/25/2008	10:51:59	0.075
10704	09/25/2008	10:52:00	0.052
10705	09/25/2008	10:52:01	0.055
10706	09/25/2008	10:52:02	0.053
10707	09/25/2008	10:52:03	0.055
10708	09/25/2008	10:52:04	0.054
10709	09/25/2008	10:52:05	0.052
10710	09/25/2008	10:52:06	0.056
10711	09/25/2008	10:52:07	0.055
10712	09/25/2008	10:52:08	0.057
10713	09/25/2008	10:52:09	0.056

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
10714	09/25/2008	10:52:10	0.053
10715	09/25/2008	10:52:11	0.054
10716	09/25/2008	10:52:12	0.055
10717	09/25/2008	10:52:13	0.067
10718	09/25/2008	10:52:14	0.054
10719	09/25/2008	10:52:15	0.054
10720	09/25/2008	10:52:16	0.054
10721	09/25/2008	10:52:17	0.053
10722	09/25/2008	10:52:18	0.054
10723	09/25/2008	10:52:19	0.052
10724	09/25/2008	10:52:20	0.061
10725	09/25/2008	10:52:21	0.054
10726	09/25/2008	10:52:22	0.054
10727	09/25/2008	10:52:23	0.055
10728	09/25/2008	10:52:24	0.051
10729	09/25/2008	10:52:25	0.053
10730	09/25/2008	10:52:26	0.049
10731	09/25/2008	10:52:27	0.057
10732	09/25/2008	10:52:28	0.049
10733	09/25/2008	10:52:29	0.053
10734	09/25/2008	10:52:30	0.053
10735	09/25/2008	10:52:31	0.058
10736	09/25/2008	10:52:32	0.061
10737	09/25/2008	10:52:33	0.055
10738	09/25/2008	10:52:34	0.049
10739	09/25/2008	10:52:35	0.056
10740	09/25/2008	10:52:36	0.057
10741	09/25/2008	10:52:37	0.055
10742	09/25/2008	10:52:38	0.057
10743	09/25/2008	10:52:39	0.060
10744	09/25/2008	10:52:40	0.054
10745	09/25/2008	10:52:41	0.050
10746	09/25/2008	10:52:42	0.056
10747	09/25/2008	10:52:43	0.050
10748	09/25/2008	10:52:44	0.052
10749	09/25/2008	10:52:45	0.057
10750	09/25/2008	10:52:46	0.052
10751	09/25/2008	10:52:47	0.064
10752	09/25/2008	10:52:48	0.087
10753	09/25/2008	10:52:49	0.057
10754	09/25/2008	10:52:50	0.064
10755	09/25/2008	10:52:51	0.051
10756	09/25/2008	10:52:52	0.059
10757	09/25/2008	10:52:53	0.056
10758	09/25/2008	10:52:54	0.055
10759	09/25/2008	10:52:55	0.050
10760	09/25/2008	10:52:56	0.056
10761	09/25/2008	10:52:57	0.053
10762	09/25/2008	10:52:58	0.055
10763	09/25/2008	10:52:59	0.057
10764	09/25/2008	10:53:00	0.052
10765	09/25/2008	10:53:01	0.051
10766	09/25/2008	10:53:02	0.050
10767	09/25/2008	10:53:03	0.100
10768	09/25/2008	10:53:04	0.053

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
10769	09/25/2008	10:53:05	0.054
10770	09/25/2008	10:53:06	0.051
10771	09/25/2008	10:53:07	0.052
10772	09/25/2008	10:53:08	0.062
10773	09/25/2008	10:53:09	0.064
10774	09/25/2008	10:53:10	0.051
10775	09/25/2008	10:53:11	0.053
10776	09/25/2008	10:53:12	0.054
10777	09/25/2008	10:53:13	0.060
10778	09/25/2008	10:53:14	0.053
10779	09/25/2008	10:53:15	0.057
10780	09/25/2008	10:53:16	0.094
10781	09/25/2008	10:53:17	0.054
10782	09/25/2008	10:53:18	0.055
10783	09/25/2008	10:53:19	0.055
10784	09/25/2008	10:53:20	0.079
10785	09/25/2008	10:53:21	0.056
10786	09/25/2008	10:53:22	0.058
10787	09/25/2008	10:53:23	0.058
10788	09/25/2008	10:53:24	0.054
10789	09/25/2008	10:53:25	0.057
10790	09/25/2008	10:53:26	0.053
10791	09/25/2008	10:53:27	0.050
10792	09/25/2008	10:53:28	0.055
10793	09/25/2008	10:53:29	0.052
10794	09/25/2008	10:53:30	0.055
10795	09/25/2008	10:53:31	0.055
10796	09/25/2008	10:53:32	0.053
10797	09/25/2008	10:53:33	0.055
10798	09/25/2008	10:53:34	0.054
10799	09/25/2008	10:53:35	0.051
10800	09/25/2008	10:53:36	0.053
10801	09/25/2008	10:53:37	0.057
10802	09/25/2008	10:53:38	0.055
10803	09/25/2008	10:53:39	0.052
10804	09/25/2008	10:53:40	0.052
10805	09/25/2008	10:53:41	0.054
10806	09/25/2008	10:53:42	0.054
10807	09/25/2008	10:53:43	0.056
10808	09/25/2008	10:53:44	0.052
10809	09/25/2008	10:53:45	0.063
10810	09/25/2008	10:53:46	0.059
10811	09/25/2008	10:53:47	0.059
10812	09/25/2008	10:53:48	0.056
10813	09/25/2008	10:53:49	0.048
10814	09/25/2008	10:53:50	0.057
10815	09/25/2008	10:53:51	0.053
10816	09/25/2008	10:53:52	0.057
10817	09/25/2008	10:53:53	0.056
10818	09/25/2008	10:53:54	0.050
10819	09/25/2008	10:53:55	0.054
10820	09/25/2008	10:53:56	0.054
10821	09/25/2008	10:53:57	0.053
10822	09/25/2008	10:53:58	0.050
10823	09/25/2008	10:53:59	0.055

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
10824	09/25/2008	10:54:00	0.055
10825	09/25/2008	10:54:01	0.052
10826	09/25/2008	10:54:02	0.052
10827	09/25/2008	10:54:03	0.059
10828	09/25/2008	10:54:04	0.056
10829	09/25/2008	10:54:05	0.067
10830	09/25/2008	10:54:06	0.048
10831	09/25/2008	10:54:07	0.052
10832	09/25/2008	10:54:08	0.056
10833	09/25/2008	10:54:09	0.053
10834	09/25/2008	10:54:10	0.053
10835	09/25/2008	10:54:11	0.056
10836	09/25/2008	10:54:12	0.056
10837	09/25/2008	10:54:13	0.054
10838	09/25/2008	10:54:14	0.056
10839	09/25/2008	10:54:15	0.055
10840	09/25/2008	10:54:16	0.055
10841	09/25/2008	10:54:17	0.054
10842	09/25/2008	10:54:18	0.053
10843	09/25/2008	10:54:19	0.051
10844	09/25/2008	10:54:20	0.056
10845	09/25/2008	10:54:21	0.053
10846	09/25/2008	10:54:22	0.053
10847	09/25/2008	10:54:23	0.053
10848	09/25/2008	10:54:24	0.053
10849	09/25/2008	10:54:25	0.056
10850	09/25/2008	10:54:26	0.066
10851	09/25/2008	10:54:27	0.054
10852	09/25/2008	10:54:28	0.056
10853	09/25/2008	10:54:29	0.057
10854	09/25/2008	10:54:30	0.051
10855	09/25/2008	10:54:31	0.064
10856	09/25/2008	10:54:32	0.051
10857	09/25/2008	10:54:33	0.053
10858	09/25/2008	10:54:34	0.065
10859	09/25/2008	10:54:35	0.060
10860	09/25/2008	10:54:36	0.055
10861	09/25/2008	10:54:37	0.057
10862	09/25/2008	10:54:38	0.053
10863	09/25/2008	10:54:39	0.058
10864	09/25/2008	10:54:40	0.086
10865	09/25/2008	10:54:41	0.087
10866	09/25/2008	10:54:42	0.061
10867	09/25/2008	10:54:43	0.082
10868	09/25/2008	10:54:44	0.091
10869	09/25/2008	10:54:45	0.069
10870	09/25/2008	10:54:46	0.081
10871	09/25/2008	10:54:47	0.112
10872	09/25/2008	10:54:48	0.084
10873	09/25/2008	10:54:49	0.082
10874	09/25/2008	10:54:50	0.089
10875	09/25/2008	10:54:51	0.079
10876	09/25/2008	10:54:52	0.068
10877	09/25/2008	10:54:53	0.059
10878	09/25/2008	10:54:54	0.097



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
10879	09/25/2008	10:54:55	0.059
10880	09/25/2008	10:54:56	0.067
10881	09/25/2008	10:54:57	0.059
10882	09/25/2008	10:54:58	0.061
10883	09/25/2008	10:54:59	0.056
10884	09/25/2008	10:55:00	0.058
10885	09/25/2008	10:55:01	0.056
10886	09/25/2008	10:55:02	0.057
10887	09/25/2008	10:55:03	0.051
10888	09/25/2008	10:55:04	0.053
10889	09/25/2008	10:55:05	0.053
10890	09/25/2008	10:55:06	0.051
10891	09/25/2008	10:55:07	0.056
10892	09/25/2008	10:55:08	0.057
10893	09/25/2008	10:55:09	0.065
10894	09/25/2008	10:55:10	0.067
10895	09/25/2008	10:55:11	0.065
10896	09/25/2008	10:55:12	0.073
10897	09/25/2008	10:55:13	0.074
10898	09/25/2008	10:55:14	0.085
10899	09/25/2008	10:55:15	0.058
10900	09/25/2008	10:55:16	0.065
10901	09/25/2008	10:55:17	0.060
10902	09/25/2008	10:55:18	0.057
10903	09/25/2008	10:55:19	0.054
10904	09/25/2008	10:55:20	0.059
10905	09/25/2008	10:55:21	0.053
10906	09/25/2008	10:55:22	0.059
10907	09/25/2008	10:55:23	0.053
10908	09/25/2008	10:55:24	0.101
10909	09/25/2008	10:55:25	0.110
10910	09/25/2008	10:55:26	0.082
10911	09/25/2008	10:55:27	0.060
10912	09/25/2008	10:55:28	0.063
10913	09/25/2008	10:55:29	0.062
10914	09/25/2008	10:55:30	0.060
10915	09/25/2008	10:55:31	0.063
10916	09/25/2008	10:55:32	0.052
10917	09/25/2008	10:55:33	0.059
10918	09/25/2008	10:55:34	0.056
10919	09/25/2008	10:55:35	0.054
10920	09/25/2008	10:55:36	0.061
10921	09/25/2008	10:55:37	0.051
10922	09/25/2008	10:55:38	0.088
10923	09/25/2008	10:55:39	0.057
10924	09/25/2008	10:55:40	0.058
10925	09/25/2008	10:55:41	0.053
10926	09/25/2008	10:55:42	0.058
10927	09/25/2008	10:55:43	0.059
10928	09/25/2008	10:55:44	0.051
10929	09/25/2008	10:55:45	0.060
10930	09/25/2008	10:55:46	0.056
10931	09/25/2008	10:55:47	0.049
10932	09/25/2008	10:55:48	0.053
10933	09/25/2008	10:55:49	0.053

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
10934	09/25/2008	10:55:50	0.054
10935	09/25/2008	10:55:51	0.065
10936	09/25/2008	10:55:52	0.052
10937	09/25/2008	10:55:53	0.052
10938	09/25/2008	10:55:54	0.056
10939	09/25/2008	10:55:55	0.061
10940	09/25/2008	10:55:56	0.061
10941	09/25/2008	10:55:57	0.056
10942	09/25/2008	10:55:58	0.061
10943	09/25/2008	10:55:59	0.050
10944	09/25/2008	10:56:00	0.057
10945	09/25/2008	10:56:01	0.054
10946	09/25/2008	10:56:02	0.052
10947	09/25/2008	10:56:03	0.052
10948	09/25/2008	10:56:04	0.059
10949	09/25/2008	10:56:05	0.066
10950	09/25/2008	10:56:06	0.054
10951	09/25/2008	10:56:07	0.053
10952	09/25/2008	10:56:08	0.055
10953	09/25/2008	10:56:09	0.057
10954	09/25/2008	10:56:10	0.055
10955	09/25/2008	10:56:11	0.059
10956	09/25/2008	10:56:12	0.052
10957	09/25/2008	10:56:13	0.056
10958	09/25/2008	10:56:14	0.056
10959	09/25/2008	10:56:15	0.049
10960	09/25/2008	10:56:16	0.056
10961	09/25/2008	10:56:17	0.054
10962	09/25/2008	10:56:18	0.053
10963	09/25/2008	10:56:19	0.056
10964	09/25/2008	10:56:20	0.049
10965	09/25/2008	10:56:21	0.051
10966	09/25/2008	10:56:22	0.051
10967	09/25/2008	10:56:23	0.057
10968	09/25/2008	10:56:24	0.056
10969	09/25/2008	10:56:25	0.061
10970	09/25/2008	10:56:26	0.056
10971	09/25/2008	10:56:27	0.049
10972	09/25/2008	10:56:28	0.052
10973	09/25/2008	10:56:29	0.054
10974	09/25/2008	10:56:30	0.054
10975	09/25/2008	10:56:31	0.047
10976	09/25/2008	10:56:32	0.053
10977	09/25/2008	10:56:33	0.053
10978	09/25/2008	10:56:34	0.057
10979	09/25/2008	10:56:35	0.060
10980	09/25/2008	10:56:36	0.051
10981	09/25/2008	10:56:37	0.057
10982	09/25/2008	10:56:38	0.054
10983	09/25/2008	10:56:39	0.078
10984	09/25/2008	10:56:40	0.071
10985	09/25/2008	10:56:41	0.719
10986	09/25/2008	10:56:42	0.813
10987	09/25/2008	10:56:43	0.206
10988	09/25/2008	10:56:44	0.135

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
10989	09/25/2008	10:56:45	0.084
10990	09/25/2008	10:56:46	0.100
10991	09/25/2008	10:56:47	0.077
10992	09/25/2008	10:56:48	0.073
10993	09/25/2008	10:56:49	0.091
10994	09/25/2008	10:56:50	0.065
10995	09/25/2008	10:56:51	0.072
10996	09/25/2008	10:56:52	0.062
10997	09/25/2008	10:56:53	0.072
10998	09/25/2008	10:56:54	0.065
10999	09/25/2008	10:56:55	0.065
11000	09/25/2008	10:56:56	0.057
11001	09/25/2008	10:56:57	0.112
11002	09/25/2008	10:56:58	0.203
11003	09/25/2008	10:56:59	0.124
11004	09/25/2008	10:57:00	0.145
11005	09/25/2008	10:57:01	0.164
11006	09/25/2008	10:57:02	0.092
11007	09/25/2008	10:57:03	0.064
11008	09/25/2008	10:57:04	0.060
11009	09/25/2008	10:57:05	0.068
11010	09/25/2008	10:57:06	0.068
11011	09/25/2008	10:57:07	0.063
11012	09/25/2008	10:57:08	0.063
11013	09/25/2008	10:57:09	0.062
11014	09/25/2008	10:57:10	0.057
11015	09/25/2008	10:57:11	0.059
11016	09/25/2008	10:57:12	0.055
11017	09/25/2008	10:57:13	0.118
11018	09/25/2008	10:57:14	0.071
11019	09/25/2008	10:57:15	0.057
11020	09/25/2008	10:57:16	0.120
11021	09/25/2008	10:57:17	0.134
11022	09/25/2008	10:57:18	0.086
11023	09/25/2008	10:57:19	0.062
11024	09/25/2008	10:57:20	0.063
11025	09/25/2008	10:57:21	0.063
11026	09/25/2008	10:57:22	0.060
11027	09/25/2008	10:57:23	0.067
11028	09/25/2008	10:57:24	0.061
11029	09/25/2008	10:57:25	0.066
11030	09/25/2008	10:57:26	0.056
11031	09/25/2008	10:57:27	0.055
11032	09/25/2008	10:57:28	0.058
11033	09/25/2008	10:57:29	0.073
11034	09/25/2008	10:57:30	0.195
11035	09/25/2008	10:57:31	0.059
11036	09/25/2008	10:57:32	0.054
11037	09/25/2008	10:57:33	0.057
11038	09/25/2008	10:57:34	0.058
11039	09/25/2008	10:57:35	0.055
11040	09/25/2008	10:57:36	0.056
11041	09/25/2008	10:57:37	0.059
11042	09/25/2008	10:57:38	0.056
11043	09/25/2008	10:57:39	0.053

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
11044	09/25/2008	10:57:40	0.053
11045	09/25/2008	10:57:41	0.057
11046	09/25/2008	10:57:42	0.058
11047	09/25/2008	10:57:43	0.058
11048	09/25/2008	10:57:44	0.053
11049	09/25/2008	10:57:45	0.054
11050	09/25/2008	10:57:46	0.053
11051	09/25/2008	10:57:47	0.056
11052	09/25/2008	10:57:48	0.063
11053	09/25/2008	10:57:49	0.063
11054	09/25/2008	10:57:50	0.061
11055	09/25/2008	10:57:51	0.053
11056	09/25/2008	10:57:52	0.052
11057	09/25/2008	10:57:53	0.055
11058	09/25/2008	10:57:54	0.055
11059	09/25/2008	10:57:55	0.056
11060	09/25/2008	10:57:56	0.059
11061	09/25/2008	10:57:57	0.062
11062	09/25/2008	10:57:58	0.051
11063	09/25/2008	10:57:59	0.052
11064	09/25/2008	10:58:00	0.063
11065	09/25/2008	10:58:01	0.050
11066	09/25/2008	10:58:02	0.057
11067	09/25/2008	10:58:03	0.054
11068	09/25/2008	10:58:04	0.075
11069	09/25/2008	10:58:05	0.054
11070	09/25/2008	10:58:06	0.055
11071	09/25/2008	10:58:07	0.064
11072	09/25/2008	10:58:08	0.049
11073	09/25/2008	10:58:09	0.053
11074	09/25/2008	10:58:10	0.058
11075	09/25/2008	10:58:11	0.067
11076	09/25/2008	10:58:12	0.061
11077	09/25/2008	10:58:13	0.069
11078	09/25/2008	10:58:14	0.052
11079	09/25/2008	10:58:15	0.055
11080	09/25/2008	10:58:16	0.060
11081	09/25/2008	10:58:17	0.053
11082	09/25/2008	10:58:18	0.053
11083	09/25/2008	10:58:19	0.074
11084	09/25/2008	10:58:20	0.058
11085	09/25/2008	10:58:21	0.053
11086	09/25/2008	10:58:22	0.050
11087	09/25/2008	10:58:23	0.056
11088	09/25/2008	10:58:24	0.054
11089	09/25/2008	10:58:25	0.055
11090	09/25/2008	10:58:26	0.054
11091	09/25/2008	10:58:27	0.055
11092	09/25/2008	10:58:28	0.057
11093	09/25/2008	10:58:29	0.052
11094	09/25/2008	10:58:30	0.053
11095	09/25/2008	10:58:31	0.057
11096	09/25/2008	10:58:32	0.061
11097	09/25/2008	10:58:33	0.054
11098	09/25/2008	10:58:34	0.062

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
11099	09/25/2008	10:58:35	0.056
11100	09/25/2008	10:58:36	0.059
11101	09/25/2008	10:58:37	0.058
11102	09/25/2008	10:58:38	0.053
11103	09/25/2008	10:58:39	0.053
11104	09/25/2008	10:58:40	0.056
11105	09/25/2008	10:58:41	0.058
11106	09/25/2008	10:58:42	0.054
11107	09/25/2008	10:58:43	0.078
11108	09/25/2008	10:58:44	0.055
11109	09/25/2008	10:58:45	0.088
11110	09/25/2008	10:58:46	0.053
11111	09/25/2008	10:58:47	0.058
11112	09/25/2008	10:58:48	0.066
11113	09/25/2008	10:58:49	0.056
11114	09/25/2008	10:58:50	0.060
11115	09/25/2008	10:58:51	0.053
11116	09/25/2008	10:58:52	0.163
11117	09/25/2008	10:58:53	0.052
11118	09/25/2008	10:58:54	0.056
11119	09/25/2008	10:58:55	0.054
11120	09/25/2008	10:58:56	0.057
11121	09/25/2008	10:58:57	0.056
11122	09/25/2008	10:58:58	0.073
11123	09/25/2008	10:58:59	0.063
11124	09/25/2008	10:59:00	0.052
11125	09/25/2008	10:59:01	0.053
11126	09/25/2008	10:59:02	0.052
11127	09/25/2008	10:59:03	0.060
11128	09/25/2008	10:59:04	0.064
11129	09/25/2008	10:59:05	0.087
11130	09/25/2008	10:59:06	0.059
11131	09/25/2008	10:59:07	0.062
11132	09/25/2008	10:59:08	0.063
11133	09/25/2008	10:59:09	0.068
11134	09/25/2008	10:59:10	0.066
11135	09/25/2008	10:59:11	0.055
11136	09/25/2008	10:59:12	0.050
11137	09/25/2008	10:59:13	0.057
11138	09/25/2008	10:59:14	0.060
11139	09/25/2008	10:59:15	0.053
11140	09/25/2008	10:59:16	0.054
11141	09/25/2008	10:59:17	0.059
11142	09/25/2008	10:59:18	0.054
11143	09/25/2008	10:59:19	0.050
11144	09/25/2008	10:59:20	0.054
11145	09/25/2008	10:59:21	0.052
11146	09/25/2008	10:59:22	0.058
11147	09/25/2008	10:59:23	0.065
11148	09/25/2008	10:59:24	0.050
11149	09/25/2008	10:59:25	0.055
11150	09/25/2008	10:59:26	0.064
11151	09/25/2008	10:59:27	0.058
11152	09/25/2008	10:59:28	0.055
11153	09/25/2008	10:59:29	0.050

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
11154	09/25/2008	10:59:30	0.054
11155	09/25/2008	10:59:31	0.052
11156	09/25/2008	10:59:32	0.057
11157	09/25/2008	10:59:33	0.066
11158	09/25/2008	10:59:34	0.054
11159	09/25/2008	10:59:35	0.053
11160	09/25/2008	10:59:36	0.052
11161	09/25/2008	10:59:37	0.051
11162	09/25/2008	10:59:38	0.078
11163	09/25/2008	10:59:39	0.114
11164	09/25/2008	10:59:40	0.049
11165	09/25/2008	10:59:41	0.052
11166	09/25/2008	10:59:42	0.054
11167	09/25/2008	10:59:43	0.065
11168	09/25/2008	10:59:44	0.056
11169	09/25/2008	10:59:45	0.049
11170	09/25/2008	10:59:46	0.074
11171	09/25/2008	10:59:47	0.050
11172	09/25/2008	10:59:48	0.054
11173	09/25/2008	10:59:49	0.057
11174	09/25/2008	10:59:50	0.057
11175	09/25/2008	10:59:51	0.055
11176	09/25/2008	10:59:52	0.055
11177	09/25/2008	10:59:53	0.053
11178	09/25/2008	10:59:54	0.058
11179	09/25/2008	10:59:55	0.107
11180	09/25/2008	10:59:56	0.048
11181	09/25/2008	10:59:57	0.052
11182	09/25/2008	10:59:58	0.052
11183	09/25/2008	10:59:59	0.051
11184	09/25/2008	11:00:00	0.054
11185	09/25/2008	11:00:01	0.059
11186	09/25/2008	11:00:02	0.056
11187	09/25/2008	11:00:03	0.051
11188	09/25/2008	11:00:04	0.054
11189	09/25/2008	11:00:05	0.053
11190	09/25/2008	11:00:06	0.054
11191	09/25/2008	11:00:07	0.049
11192	09/25/2008	11:00:08	0.050
11193	09/25/2008	11:00:09	0.057
11194	09/25/2008	11:00:10	0.053
11195	09/25/2008	11:00:11	0.060
11196	09/25/2008	11:00:12	0.051
11197	09/25/2008	11:00:13	0.058
11198	09/25/2008	11:00:14	0.052
11199	09/25/2008	11:00:15	0.060
11200	09/25/2008	11:00:16	0.060
11201	09/25/2008	11:00:17	0.049
11202	09/25/2008	11:00:18	0.077
11203	09/25/2008	11:00:19	0.058
11204	09/25/2008	11:00:20	0.057
11205	09/25/2008	11:00:21	0.053
11206	09/25/2008	11:00:22	0.050
11207	09/25/2008	11:00:23	0.053
11208	09/25/2008	11:00:24	0.067

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
11209	09/25/2008	11:00:25	0.053
11210	09/25/2008	11:00:26	0.056
11211	09/25/2008	11:00:27	0.054
11212	09/25/2008	11:00:28	0.052
11213	09/25/2008	11:00:29	0.052
11214	09/25/2008	11:00:30	0.053
11215	09/25/2008	11:00:31	0.057
11216	09/25/2008	11:00:32	0.055
11217	09/25/2008	11:00:33	0.060
11218	09/25/2008	11:00:34	0.060
11219	09/25/2008	11:00:35	0.056
11220	09/25/2008	11:00:36	0.066
11221	09/25/2008	11:00:37	0.065
11222	09/25/2008	11:00:38	0.065
11223	09/25/2008	11:00:39	0.057
11224	09/25/2008	11:00:40	0.063
11225	09/25/2008	11:00:41	0.062
11226	09/25/2008	11:00:42	0.053
11227	09/25/2008	11:00:43	0.059
11228	09/25/2008	11:00:44	0.055
11229	09/25/2008	11:00:45	0.056
11230	09/25/2008	11:00:46	0.061
11231	09/25/2008	11:00:47	0.057
11232	09/25/2008	11:00:48	0.056
11233	09/25/2008	11:00:49	0.054
11234	09/25/2008	11:00:50	0.053
11235	09/25/2008	11:00:51	0.053
11236	09/25/2008	11:00:52	0.053
11237	09/25/2008	11:00:53	0.056
11238	09/25/2008	11:00:54	0.055
11239	09/25/2008	11:00:55	0.052
11240	09/25/2008	11:00:56	0.056
11241	09/25/2008	11:00:57	0.051
11242	09/25/2008	11:00:58	0.054
11243	09/25/2008	11:00:59	0.053
11244	09/25/2008	11:01:00	0.055
11245	09/25/2008	11:01:01	0.050
11246	09/25/2008	11:01:02	0.052
11247	09/25/2008	11:01:03	0.051
11248	09/25/2008	11:01:04	0.047
11249	09/25/2008	11:01:05	0.055
11250	09/25/2008	11:01:06	0.086
11251	09/25/2008	11:01:07	0.052
11252	09/25/2008	11:01:08	0.047
11253	09/25/2008	11:01:09	0.056
11254	09/25/2008	11:01:10	0.052
11255	09/25/2008	11:01:11	0.053
11256	09/25/2008	11:01:12	0.056
11257	09/25/2008	11:01:13	0.054
11258	09/25/2008	11:01:14	0.055
11259	09/25/2008	11:01:15	0.050
11260	09/25/2008	11:01:16	0.052
11261	09/25/2008	11:01:17	0.052
11262	09/25/2008	11:01:18	0.058
11263	09/25/2008	11:01:19	0.051

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
11264	09/25/2008	11:01:20	0.083
11265	09/25/2008	11:01:21	0.073
11266	09/25/2008	11:01:22	0.051
11267	09/25/2008	11:01:23	0.058
11268	09/25/2008	11:01:24	0.050
11269	09/25/2008	11:01:25	0.056
11270	09/25/2008	11:01:26	0.053
11271	09/25/2008	11:01:27	0.058
11272	09/25/2008	11:01:28	0.055
11273	09/25/2008	11:01:29	0.056
11274	09/25/2008	11:01:30	0.051
11275	09/25/2008	11:01:31	0.049
11276	09/25/2008	11:01:32	0.055
11277	09/25/2008	11:01:33	0.063
11278	09/25/2008	11:01:34	0.056
11279	09/25/2008	11:01:35	0.051
11280	09/25/2008	11:01:36	0.049
11281	09/25/2008	11:01:37	0.055
11282	09/25/2008	11:01:38	0.049
11283	09/25/2008	11:01:39	0.057
11284	09/25/2008	11:01:40	0.054
11285	09/25/2008	11:01:41	0.054
11286	09/25/2008	11:01:42	0.053
11287	09/25/2008	11:01:43	0.060
11288	09/25/2008	11:01:44	0.054
11289	09/25/2008	11:01:45	0.058
11290	09/25/2008	11:01:46	0.052
11291	09/25/2008	11:01:47	0.051
11292	09/25/2008	11:01:48	0.057
11293	09/25/2008	11:01:49	0.058
11294	09/25/2008	11:01:50	0.052
11295	09/25/2008	11:01:51	0.049
11296	09/25/2008	11:01:52	0.050
11297	09/25/2008	11:01:53	0.052
11298	09/25/2008	11:01:54	0.053
11299	09/25/2008	11:01:55	0.055
11300	09/25/2008	11:01:56	0.056
11301	09/25/2008	11:01:57	0.051
11302	09/25/2008	11:01:58	0.050
11303	09/25/2008	11:01:59	0.046
11304	09/25/2008	11:02:00	0.053
11305	09/25/2008	11:02:01	0.051
11306	09/25/2008	11:02:02	0.053
11307	09/25/2008	11:02:03	0.049
11308	09/25/2008	11:02:04	0.048
11309	09/25/2008	11:02:05	0.056
11310	09/25/2008	11:02:06	0.054
11311	09/25/2008	11:02:07	0.052
11312	09/25/2008	11:02:08	0.052
11313	09/25/2008	11:02:09	0.051
11314	09/25/2008	11:02:10	0.054
11315	09/25/2008	11:02:11	0.052
11316	09/25/2008	11:02:12	0.057
11317	09/25/2008	11:02:13	0.075
11318	09/25/2008	11:02:14	0.063



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
11319	09/25/2008	11:02:15	0.072
11320	09/25/2008	11:02:16	0.074
11321	09/25/2008	11:02:17	0.070
11322	09/25/2008	11:02:18	0.064
11323	09/25/2008	11:02:19	0.067
11324	09/25/2008	11:02:20	0.070
11325	09/25/2008	11:02:21	0.065
11326	09/25/2008	11:02:22	0.054
11327	09/25/2008	11:02:23	0.055
11328	09/25/2008	11:02:24	0.061
11329	09/25/2008	11:02:25	0.055
11330	09/25/2008	11:02:26	0.055
11331	09/25/2008	11:02:27	0.055
11332	09/25/2008	11:02:28	0.052
11333	09/25/2008	11:02:29	0.057
11334	09/25/2008	11:02:30	0.050
11335	09/25/2008	11:02:31	0.056
11336	09/25/2008	11:02:32	0.057
11337	09/25/2008	11:02:33	0.057
11338	09/25/2008	11:02:34	0.057
11339	09/25/2008	11:02:35	0.109
11340	09/25/2008	11:02:36	0.046
11341	09/25/2008	11:02:37	0.053
11342	09/25/2008	11:02:38	0.060
11343	09/25/2008	11:02:39	0.064
11344	09/25/2008	11:02:40	0.052
11345	09/25/2008	11:02:41	0.056
11346	09/25/2008	11:02:42	0.059
11347	09/25/2008	11:02:43	0.054
11348	09/25/2008	11:02:44	0.053
11349	09/25/2008	11:02:45	0.054
11350	09/25/2008	11:02:46	0.052
11351	09/25/2008	11:02:47	0.049
11352	09/25/2008	11:02:48	0.056
11353	09/25/2008	11:02:49	0.049
11354	09/25/2008	11:02:50	0.059
11355	09/25/2008	11:02:51	0.049
11356	09/25/2008	11:02:52	0.050
11357	09/25/2008	11:02:53	0.052
11358	09/25/2008	11:02:54	0.054
11359	09/25/2008	11:02:55	0.050
11360	09/25/2008	11:02:56	0.058
11361	09/25/2008	11:02:57	0.052
11362	09/25/2008	11:02:58	0.050
11363	09/25/2008	11:02:59	0.062
11364	09/25/2008	11:03:00	0.051
11365	09/25/2008	11:03:01	0.057
11366	09/25/2008	11:03:02	0.048
11367	09/25/2008	11:03:03	0.057
11368	09/25/2008	11:03:04	0.052
11369	09/25/2008	11:03:05	0.053
11370	09/25/2008	11:03:06	0.056
11371	09/25/2008	11:03:07	0.054
11372	09/25/2008	11:03:08	0.059
11373	09/25/2008	11:03:09	0.050

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
11374	09/25/2008	11:03:10	0.059
11375	09/25/2008	11:03:11	0.055
11376	09/25/2008	11:03:12	0.051
11377	09/25/2008	11:03:13	0.048
11378	09/25/2008	11:03:14	0.055
11379	09/25/2008	11:03:15	0.078
11380	09/25/2008	11:03:16	0.056
11381	09/25/2008	11:03:17	0.051
11382	09/25/2008	11:03:18	0.061
11383	09/25/2008	11:03:19	0.057
11384	09/25/2008	11:03:20	0.054
11385	09/25/2008	11:03:21	0.052
11386	09/25/2008	11:03:22	0.105
11387	09/25/2008	11:03:23	0.057
11388	09/25/2008	11:03:24	0.066
11389	09/25/2008	11:03:25	0.049
11390	09/25/2008	11:03:26	0.055
11391	09/25/2008	11:03:27	0.054
11392	09/25/2008	11:03:28	0.052
11393	09/25/2008	11:03:29	0.053
11394	09/25/2008	11:03:30	0.054
11395	09/25/2008	11:03:31	0.074
11396	09/25/2008	11:03:32	0.056
11397	09/25/2008	11:03:33	0.054
11398	09/25/2008	11:03:34	0.055
11399	09/25/2008	11:03:35	0.054
11400	09/25/2008	11:03:36	0.050
11401	09/25/2008	11:03:37	0.053
11402	09/25/2008	11:03:38	0.052
11403	09/25/2008	11:03:39	0.050
11404	09/25/2008	11:03:40	0.050
11405	09/25/2008	11:03:41	0.073
11406	09/25/2008	11:03:42	0.050
11407	09/25/2008	11:03:43	0.064
11408	09/25/2008	11:03:44	0.051
11409	09/25/2008	11:03:45	0.052
11410	09/25/2008	11:03:46	0.054
11411	09/25/2008	11:03:47	0.051
11412	09/25/2008	11:03:48	0.053
11413	09/25/2008	11:03:49	0.057
11414	09/25/2008	11:03:50	0.049
11415	09/25/2008	11:03:51	0.053
11416	09/25/2008	11:03:52	0.054
11417	09/25/2008	11:03:53	0.054
11418	09/25/2008	11:03:54	0.053
11419	09/25/2008	11:03:55	0.072
11420	09/25/2008	11:03:56	0.053
11421	09/25/2008	11:03:57	0.051
11422	09/25/2008	11:03:58	0.055
11423	09/25/2008	11:03:59	0.052
11424	09/25/2008	11:04:00	0.053
11425	09/25/2008	11:04:01	0.054
11426	09/25/2008	11:04:02	0.051
11427	09/25/2008	11:04:03	0.048
11428	09/25/2008	11:04:04	0.065

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
11429	09/25/2008	11:04:05	0.059
11430	09/25/2008	11:04:06	0.050
11431	09/25/2008	11:04:07	0.055
11432	09/25/2008	11:04:08	0.053
11433	09/25/2008	11:04:09	0.051
11434	09/25/2008	11:04:10	0.055
11435	09/25/2008	11:04:11	0.057
11436	09/25/2008	11:04:12	0.057
11437	09/25/2008	11:04:13	0.051
11438	09/25/2008	11:04:14	0.060
11439	09/25/2008	11:04:15	0.055
11440	09/25/2008	11:04:16	0.048
11441	09/25/2008	11:04:17	0.055
11442	09/25/2008	11:04:18	0.052
11443	09/25/2008	11:04:19	0.056
11444	09/25/2008	11:04:20	0.051
11445	09/25/2008	11:04:21	0.058
11446	09/25/2008	11:04:22	0.078
11447	09/25/2008	11:04:23	0.051
11448	09/25/2008	11:04:24	0.062
11449	09/25/2008	11:04:25	0.054
11450	09/25/2008	11:04:26	0.054
11451	09/25/2008	11:04:27	0.055
11452	09/25/2008	11:04:28	0.053
11453	09/25/2008	11:04:29	0.046
11454	09/25/2008	11:04:30	0.053
11455	09/25/2008	11:04:31	0.055
11456	09/25/2008	11:04:32	0.048
11457	09/25/2008	11:04:33	0.053
11458	09/25/2008	11:04:34	0.056
11459	09/25/2008	11:04:35	0.055
11460	09/25/2008	11:04:36	0.050
11461	09/25/2008	11:04:37	0.054
11462	09/25/2008	11:04:38	0.054
11463	09/25/2008	11:04:39	0.054
11464	09/25/2008	11:04:40	0.049
11465	09/25/2008	11:04:41	0.054
11466	09/25/2008	11:04:42	0.053
11467	09/25/2008	11:04:43	0.050
11468	09/25/2008	11:04:44	0.054
11469	09/25/2008	11:04:45	0.049
11470	09/25/2008	11:04:46	0.055
11471	09/25/2008	11:04:47	0.052
11472	09/25/2008	11:04:48	0.054
11473	09/25/2008	11:04:49	0.048
11474	09/25/2008	11:04:50	0.049
11475	09/25/2008	11:04:51	0.055
11476	09/25/2008	11:04:52	0.057
11477	09/25/2008	11:04:53	0.055
11478	09/25/2008	11:04:54	0.048
11479	09/25/2008	11:04:55	0.050
11480	09/25/2008	11:04:56	0.051
11481	09/25/2008	11:04:57	0.065
11482	09/25/2008	11:04:58	0.061
11483	09/25/2008	11:04:59	0.051

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
11484	09/25/2008	11:05:00	0.055
11485	09/25/2008	11:05:01	0.048
11486	09/25/2008	11:05:02	0.052
11487	09/25/2008	11:05:03	0.046
11488	09/25/2008	11:05:04	0.052
11489	09/25/2008	11:05:05	0.051
11490	09/25/2008	11:05:06	0.051
11491	09/25/2008	11:05:07	0.053
11492	09/25/2008	11:05:08	0.051
11493	09/25/2008	11:05:09	0.052
11494	09/25/2008	11:05:10	0.054
11495	09/25/2008	11:05:11	0.049
11496	09/25/2008	11:05:12	0.053
11497	09/25/2008	11:05:13	0.051
11498	09/25/2008	11:05:14	0.051
11499	09/25/2008	11:05:15	0.053
11500	09/25/2008	11:05:16	0.052
11501	09/25/2008	11:05:17	0.052
11502	09/25/2008	11:05:18	0.051
11503	09/25/2008	11:05:19	0.053
11504	09/25/2008	11:05:20	0.049
11505	09/25/2008	11:05:21	0.052
11506	09/25/2008	11:05:22	0.048
11507	09/25/2008	11:05:23	0.060
11508	09/25/2008	11:05:24	0.069
11509	09/25/2008	11:05:25	0.051
11510	09/25/2008	11:05:26	0.050
11511	09/25/2008	11:05:27	0.047
11512	09/25/2008	11:05:28	0.050
11513	09/25/2008	11:05:29	0.051
11514	09/25/2008	11:05:30	0.052
11515	09/25/2008	11:05:31	0.052
11516	09/25/2008	11:05:32	0.054
11517	09/25/2008	11:05:33	0.054
11518	09/25/2008	11:05:34	0.054
11519	09/25/2008	11:05:35	0.061
11520	09/25/2008	11:05:36	0.055
11521	09/25/2008	11:05:37	0.048
11522	09/25/2008	11:05:38	0.050
11523	09/25/2008	11:05:39	0.048
11524	09/25/2008	11:05:40	0.049
11525	09/25/2008	11:05:41	0.050
11526	09/25/2008	11:05:42	0.051
11527	09/25/2008	11:05:43	0.049
11528	09/25/2008	11:05:44	0.049
11529	09/25/2008	11:05:45	0.053
11530	09/25/2008	11:05:46	0.052
11531	09/25/2008	11:05:47	0.051
11532	09/25/2008	11:05:48	0.051
11533	09/25/2008	11:05:49	0.050
11534	09/25/2008	11:05:50	0.049
11535	09/25/2008	11:05:51	0.097
11536	09/25/2008	11:05:52	0.050
11537	09/25/2008	11:05:53	0.060
11538	09/25/2008	11:05:54	0.053

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
11539	09/25/2008	11:05:55	0.060
11540	09/25/2008	11:05:56	0.063
11541	09/25/2008	11:05:57	0.058
11542	09/25/2008	11:05:58	0.051
11543	09/25/2008	11:05:59	0.050
11544	09/25/2008	11:06:00	0.056
11545	09/25/2008	11:06:01	0.051
11546	09/25/2008	11:06:02	0.053
11547	09/25/2008	11:06:03	0.054
11548	09/25/2008	11:06:04	0.062
11549	09/25/2008	11:06:05	0.051
11550	09/25/2008	11:06:06	0.049
11551	09/25/2008	11:06:07	0.049
11552	09/25/2008	11:06:08	0.050
11553	09/25/2008	11:06:09	0.050
11554	09/25/2008	11:06:10	0.053
11555	09/25/2008	11:06:11	0.054
11556	09/25/2008	11:06:12	0.051
11557	09/25/2008	11:06:13	0.060
11558	09/25/2008	11:06:14	0.065
11559	09/25/2008	11:06:15	0.055
11560	09/25/2008	11:06:16	0.059
11561	09/25/2008	11:06:17	0.057
11562	09/25/2008	11:06:18	0.046
11563	09/25/2008	11:06:19	0.068
11564	09/25/2008	11:06:20	0.072
11565	09/25/2008	11:06:21	0.063
11566	09/25/2008	11:06:22	0.067
11567	09/25/2008	11:06:23	0.091
11568	09/25/2008	11:06:24	0.060
11569	09/25/2008	11:06:25	0.055
11570	09/25/2008	11:06:26	0.052
11571	09/25/2008	11:06:27	0.065
11572	09/25/2008	11:06:28	0.055
11573	09/25/2008	11:06:29	0.056
11574	09/25/2008	11:06:30	0.052
11575	09/25/2008	11:06:31	0.049
11576	09/25/2008	11:06:32	0.051
11577	09/25/2008	11:06:33	0.055
11578	09/25/2008	11:06:34	0.049
11579	09/25/2008	11:06:35	0.056
11580	09/25/2008	11:06:36	0.051
11581	09/25/2008	11:06:37	0.052
11582	09/25/2008	11:06:38	0.052
11583	09/25/2008	11:06:39	0.049
11584	09/25/2008	11:06:40	0.054
11585	09/25/2008	11:06:41	0.057
11586	09/25/2008	11:06:42	0.051
11587	09/25/2008	11:06:43	0.050
11588	09/25/2008	11:06:44	0.052
11589	09/25/2008	11:06:45	0.052
11590	09/25/2008	11:06:46	0.071
11591	09/25/2008	11:06:47	0.050
11592	09/25/2008	11:06:48	0.050
11593	09/25/2008	11:06:49	0.058

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
11594	09/25/2008	11:06:50	0.053
11595	09/25/2008	11:06:51	0.049
11596	09/25/2008	11:06:52	0.050
11597	09/25/2008	11:06:53	0.059
11598	09/25/2008	11:06:54	0.054
11599	09/25/2008	11:06:55	0.048
11600	09/25/2008	11:06:56	0.051
11601	09/25/2008	11:06:57	0.052
11602	09/25/2008	11:06:58	0.051
11603	09/25/2008	11:06:59	0.052
11604	09/25/2008	11:07:00	0.051
11605	09/25/2008	11:07:01	0.049
11606	09/25/2008	11:07:02	0.052
11607	09/25/2008	11:07:03	0.052
11608	09/25/2008	11:07:04	0.055
11609	09/25/2008	11:07:05	0.049
11610	09/25/2008	11:07:06	0.051
11611	09/25/2008	11:07:07	0.049
11612	09/25/2008	11:07:08	0.049
11613	09/25/2008	11:07:09	0.059
11614	09/25/2008	11:07:10	0.056
11615	09/25/2008	11:07:11	0.055
11616	09/25/2008	11:07:12	0.052
11617	09/25/2008	11:07:13	0.049
11618	09/25/2008	11:07:14	0.052
11619	09/25/2008	11:07:15	0.058
11620	09/25/2008	11:07:16	0.068
11621	09/25/2008	11:07:17	0.052
11622	09/25/2008	11:07:18	0.057
11623	09/25/2008	11:07:19	0.056
11624	09/25/2008	11:07:20	0.051
11625	09/25/2008	11:07:21	0.048
11626	09/25/2008	11:07:22	0.051
11627	09/25/2008	11:07:23	0.056
11628	09/25/2008	11:07:24	0.049
11629	09/25/2008	11:07:25	0.053
11630	09/25/2008	11:07:26	0.050
11631	09/25/2008	11:07:27	0.062
11632	09/25/2008	11:07:28	0.062
11633	09/25/2008	11:07:29	0.051
11634	09/25/2008	11:07:30	0.050
11635	09/25/2008	11:07:31	0.053
11636	09/25/2008	11:07:32	0.061
11637	09/25/2008	11:07:33	0.048
11638	09/25/2008	11:07:34	0.052
11639	09/25/2008	11:07:35	0.050
11640	09/25/2008	11:07:36	0.049
11641	09/25/2008	11:07:37	0.052
11642	09/25/2008	11:07:38	0.053
11643	09/25/2008	11:07:39	0.051
11644	09/25/2008	11:07:40	0.051
11645	09/25/2008	11:07:41	0.060
11646	09/25/2008	11:07:42	0.051
11647	09/25/2008	11:07:43	0.045
11648	09/25/2008	11:07:44	0.052

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
11649	09/25/2008	11:07:45	0.052
11650	09/25/2008	11:07:46	0.048
11651	09/25/2008	11:07:47	0.048
11652	09/25/2008	11:07:48	0.053
11653	09/25/2008	11:07:49	0.055
11654	09/25/2008	11:07:50	0.053
11655	09/25/2008	11:07:51	0.080
11656	09/25/2008	11:07:52	0.049
11657	09/25/2008	11:07:53	0.058
11658	09/25/2008	11:07:54	0.071
11659	09/25/2008	11:07:55	0.052
11660	09/25/2008	11:07:56	0.054
11661	09/25/2008	11:07:57	0.061
11662	09/25/2008	11:07:58	0.052
11663	09/25/2008	11:07:59	0.051
11664	09/25/2008	11:08:00	0.050
11665	09/25/2008	11:08:01	0.050
11666	09/25/2008	11:08:02	0.048
11667	09/25/2008	11:08:03	0.048
11668	09/25/2008	11:08:04	0.092
11669	09/25/2008	11:08:05	0.048
11670	09/25/2008	11:08:06	0.051
11671	09/25/2008	11:08:07	0.053
11672	09/25/2008	11:08:08	0.085
11673	09/25/2008	11:08:09	0.050
11674	09/25/2008	11:08:10	0.052
11675	09/25/2008	11:08:11	0.054
11676	09/25/2008	11:08:12	0.060
11677	09/25/2008	11:08:13	0.048
11678	09/25/2008	11:08:14	0.069
11679	09/25/2008	11:08:15	0.049
11680	09/25/2008	11:08:16	0.049
11681	09/25/2008	11:08:17	0.048
11682	09/25/2008	11:08:18	0.056
11683	09/25/2008	11:08:19	0.050
11684	09/25/2008	11:08:20	0.046
11685	09/25/2008	11:08:21	0.066
11686	09/25/2008	11:08:22	0.052
11687	09/25/2008	11:08:23	0.055
11688	09/25/2008	11:08:24	0.052
11689	09/25/2008	11:08:25	0.049
11690	09/25/2008	11:08:26	0.077
11691	09/25/2008	11:08:27	0.049
11692	09/25/2008	11:08:28	0.056
11693	09/25/2008	11:08:29	0.050
11694	09/25/2008	11:08:30	0.050
11695	09/25/2008	11:08:31	0.050
11696	09/25/2008	11:08:32	0.051
11697	09/25/2008	11:08:33	0.057
11698	09/25/2008	11:08:34	0.050
11699	09/25/2008	11:08:35	0.057
11700	09/25/2008	11:08:36	0.059
11701	09/25/2008	11:08:37	0.052
11702	09/25/2008	11:08:38	0.054
11703	09/25/2008	11:08:39	0.052

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
11704	09/25/2008	11:08:40	0.054
11705	09/25/2008	11:08:41	0.092
11706	09/25/2008	11:08:42	0.058
11707	09/25/2008	11:08:43	0.051
11708	09/25/2008	11:08:44	0.063
11709	09/25/2008	11:08:45	0.053
11710	09/25/2008	11:08:46	0.056
11711	09/25/2008	11:08:47	0.065
11712	09/25/2008	11:08:48	0.049
11713	09/25/2008	11:08:49	0.050
11714	09/25/2008	11:08:50	0.052
11715	09/25/2008	11:08:51	0.054
11716	09/25/2008	11:08:52	0.060
11717	09/25/2008	11:08:53	0.058
11718	09/25/2008	11:08:54	0.052
11719	09/25/2008	11:08:55	0.061
11720	09/25/2008	11:08:56	0.056
11721	09/25/2008	11:08:57	0.051
11722	09/25/2008	11:08:58	0.055
11723	09/25/2008	11:08:59	0.047
11724	09/25/2008	11:09:00	0.053
11725	09/25/2008	11:09:01	0.053
11726	09/25/2008	11:09:02	0.049
11727	09/25/2008	11:09:03	0.049
11728	09/25/2008	11:09:04	0.049
11729	09/25/2008	11:09:05	0.051
11730	09/25/2008	11:09:06	0.050
11731	09/25/2008	11:09:07	0.065
11732	09/25/2008	11:09:08	0.050
11733	09/25/2008	11:09:09	0.051
11734	09/25/2008	11:09:10	0.054
11735	09/25/2008	11:09:11	0.051
11736	09/25/2008	11:09:12	0.051
11737	09/25/2008	11:09:13	0.054
11738	09/25/2008	11:09:14	0.051
11739	09/25/2008	11:09:15	0.049
11740	09/25/2008	11:09:16	0.048
11741	09/25/2008	11:09:17	0.052
11742	09/25/2008	11:09:18	0.049
11743	09/25/2008	11:09:19	0.050
11744	09/25/2008	11:09:20	0.056
11745	09/25/2008	11:09:21	0.053
11746	09/25/2008	11:09:22	0.050
11747	09/25/2008	11:09:23	0.048
11748	09/25/2008	11:09:24	0.049
11749	09/25/2008	11:09:25	0.050
11750	09/25/2008	11:09:26	0.048
11751	09/25/2008	11:09:27	0.053
11752	09/25/2008	11:09:28	0.053
11753	09/25/2008	11:09:29	0.051
11754	09/25/2008	11:09:30	0.057
11755	09/25/2008	11:09:31	0.052
11756	09/25/2008	11:09:32	0.050
11757	09/25/2008	11:09:33	0.050
11758	09/25/2008	11:09:34	0.049



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
11759	09/25/2008	11:09:35	0.058
11760	09/25/2008	11:09:36	0.053
11761	09/25/2008	11:09:37	0.051
11762	09/25/2008	11:09:38	0.048
11763	09/25/2008	11:09:39	0.049
11764	09/25/2008	11:09:40	0.051
11765	09/25/2008	11:09:41	0.056
11766	09/25/2008	11:09:42	0.053
11767	09/25/2008	11:09:43	0.050
11768	09/25/2008	11:09:44	0.063
11769	09/25/2008	11:09:45	0.055
11770	09/25/2008	11:09:46	0.053
11771	09/25/2008	11:09:47	0.056
11772	09/25/2008	11:09:48	0.052
11773	09/25/2008	11:09:49	0.062
11774	09/25/2008	11:09:50	0.053
11775	09/25/2008	11:09:51	0.056
11776	09/25/2008	11:09:52	0.051
11777	09/25/2008	11:09:53	0.047
11778	09/25/2008	11:09:54	0.057
11779	09/25/2008	11:09:55	0.056
11780	09/25/2008	11:09:56	0.053
11781	09/25/2008	11:09:57	0.054
11782	09/25/2008	11:09:58	0.056
11783	09/25/2008	11:09:59	0.056
11784	09/25/2008	11:10:00	0.050
11785	09/25/2008	11:10:01	0.050
11786	09/25/2008	11:10:02	0.048
11787	09/25/2008	11:10:03	0.069
11788	09/25/2008	11:10:04	0.061
11789	09/25/2008	11:10:05	0.050
11790	09/25/2008	11:10:06	0.048
11791	09/25/2008	11:10:07	0.045
11792	09/25/2008	11:10:08	0.055
11793	09/25/2008	11:10:09	0.050
11794	09/25/2008	11:10:10	0.051
11795	09/25/2008	11:10:11	0.055
11796	09/25/2008	11:10:12	0.051
11797	09/25/2008	11:10:13	0.054
11798	09/25/2008	11:10:14	0.052
11799	09/25/2008	11:10:15	0.060
11800	09/25/2008	11:10:16	0.058
11801	09/25/2008	11:10:17	0.051
11802	09/25/2008	11:10:18	0.062
11803	09/25/2008	11:10:19	0.051
11804	09/25/2008	11:10:20	0.044
11805	09/25/2008	11:10:21	0.056
11806	09/25/2008	11:10:22	0.057
11807	09/25/2008	11:10:23	0.050
11808	09/25/2008	11:10:24	0.074
11809	09/25/2008	11:10:25	0.048
11810	09/25/2008	11:10:26	0.049
11811	09/25/2008	11:10:27	0.049
11812	09/25/2008	11:10:28	0.053
11813	09/25/2008	11:10:29	0.055

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
11814	09/25/2008	11:10:30	0.054
11815	09/25/2008	11:10:31	0.055
11816	09/25/2008	11:10:32	0.051
11817	09/25/2008	11:10:33	0.054
11818	09/25/2008	11:10:34	0.048
11819	09/25/2008	11:10:35	0.049
11820	09/25/2008	11:10:36	0.051
11821	09/25/2008	11:10:37	0.051
11822	09/25/2008	11:10:38	0.051
11823	09/25/2008	11:10:39	0.061
11824	09/25/2008	11:10:40	0.049
11825	09/25/2008	11:10:41	0.054
11826	09/25/2008	11:10:42	0.062
11827	09/25/2008	11:10:43	0.052
11828	09/25/2008	11:10:44	0.054
11829	09/25/2008	11:10:45	0.054
11830	09/25/2008	11:10:46	0.075
11831	09/25/2008	11:10:47	0.059
11832	09/25/2008	11:10:48	0.065
11833	09/25/2008	11:10:49	0.101
11834	09/25/2008	11:10:50	0.051
11835	09/25/2008	11:10:51	0.053
11836	09/25/2008	11:10:52	0.053
11837	09/25/2008	11:10:53	0.061
11838	09/25/2008	11:10:54	0.077
11839	09/25/2008	11:10:55	0.048
11840	09/25/2008	11:10:56	0.052
11841	09/25/2008	11:10:57	0.054
11842	09/25/2008	11:10:58	0.046
11843	09/25/2008	11:10:59	0.051
11844	09/25/2008	11:11:00	0.055
11845	09/25/2008	11:11:01	0.053
11846	09/25/2008	11:11:02	0.049
11847	09/25/2008	11:11:03	0.051
11848	09/25/2008	11:11:04	0.053
11849	09/25/2008	11:11:05	0.049
11850	09/25/2008	11:11:06	0.048
11851	09/25/2008	11:11:07	0.055
11852	09/25/2008	11:11:08	0.051
11853	09/25/2008	11:11:09	0.054
11854	09/25/2008	11:11:10	0.052
11855	09/25/2008	11:11:11	0.048
11856	09/25/2008	11:11:12	0.045
11857	09/25/2008	11:11:13	0.064
11858	09/25/2008	11:11:14	0.049
11859	09/25/2008	11:11:15	0.048
11860	09/25/2008	11:11:16	0.048
11861	09/25/2008	11:11:17	0.053
11862	09/25/2008	11:11:18	0.047
11863	09/25/2008	11:11:19	0.086
11864	09/25/2008	11:11:20	0.056
11865	09/25/2008	11:11:21	0.051
11866	09/25/2008	11:11:22	0.054
11867	09/25/2008	11:11:23	0.049
11868	09/25/2008	11:11:24	0.048

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
11869	09/25/2008	11:11:25	0.050
11870	09/25/2008	11:11:26	0.052
11871	09/25/2008	11:11:27	0.059
11872	09/25/2008	11:11:28	0.049
11873	09/25/2008	11:11:29	0.055
11874	09/25/2008	11:11:30	0.051
11875	09/25/2008	11:11:31	0.052
11876	09/25/2008	11:11:32	0.062
11877	09/25/2008	11:11:33	0.054
11878	09/25/2008	11:11:34	0.053
11879	09/25/2008	11:11:35	0.048
11880	09/25/2008	11:11:36	0.050
11881	09/25/2008	11:11:37	0.053
11882	09/25/2008	11:11:38	0.055
11883	09/25/2008	11:11:39	0.052
11884	09/25/2008	11:11:40	0.044
11885	09/25/2008	11:11:41	0.057
11886	09/25/2008	11:11:42	0.052
11887	09/25/2008	11:11:43	0.052
11888	09/25/2008	11:11:44	0.057
11889	09/25/2008	11:11:45	0.051
11890	09/25/2008	11:11:46	0.052
11891	09/25/2008	11:11:47	0.050
11892	09/25/2008	11:11:48	0.085
11893	09/25/2008	11:11:49	0.055
11894	09/25/2008	11:11:50	0.054
11895	09/25/2008	11:11:51	0.063
11896	09/25/2008	11:11:52	0.055
11897	09/25/2008	11:11:53	0.051
11898	09/25/2008	11:11:54	0.049
11899	09/25/2008	11:11:55	0.051
11900	09/25/2008	11:11:56	0.053
11901	09/25/2008	11:11:57	0.051
11902	09/25/2008	11:11:58	0.050
11903	09/25/2008	11:11:59	0.051
11904	09/25/2008	11:12:00	0.060
11905	09/25/2008	11:12:01	0.051
11906	09/25/2008	11:12:02	0.046
11907	09/25/2008	11:12:03	0.047
11908	09/25/2008	11:12:04	0.049
11909	09/25/2008	11:12:05	0.068
11910	09/25/2008	11:12:06	0.049
11911	09/25/2008	11:12:07	0.053
11912	09/25/2008	11:12:08	0.055
11913	09/25/2008	11:12:09	0.050
11914	09/25/2008	11:12:10	0.127
11915	09/25/2008	11:12:11	0.055
11916	09/25/2008	11:12:12	0.054
11917	09/25/2008	11:12:13	0.064
11918	09/25/2008	11:12:14	0.050
11919	09/25/2008	11:12:15	0.064
11920	09/25/2008	11:12:16	0.053
11921	09/25/2008	11:12:17	0.054
11922	09/25/2008	11:12:18	0.053
11923	09/25/2008	11:12:19	0.057

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
11924	09/25/2008	11:12:20	0.054
11925	09/25/2008	11:12:21	0.076
11926	09/25/2008	11:12:22	0.053
11927	09/25/2008	11:12:23	0.049
11928	09/25/2008	11:12:24	0.075
11929	09/25/2008	11:12:25	0.051
11930	09/25/2008	11:12:26	0.058
11931	09/25/2008	11:12:27	0.049
11932	09/25/2008	11:12:28	0.054
11933	09/25/2008	11:12:29	0.048
11934	09/25/2008	11:12:30	0.054
11935	09/25/2008	11:12:31	0.054
11936	09/25/2008	11:12:32	0.048
11937	09/25/2008	11:12:33	0.050
11938	09/25/2008	11:12:34	0.059
11939	09/25/2008	11:12:35	0.058
11940	09/25/2008	11:12:36	0.057
11941	09/25/2008	11:12:37	0.052
11942	09/25/2008	11:12:38	0.047
11943	09/25/2008	11:12:39	0.051
11944	09/25/2008	11:12:40	0.057
11945	09/25/2008	11:12:41	0.064
11946	09/25/2008	11:12:42	0.048
11947	09/25/2008	11:12:43	0.052
11948	09/25/2008	11:12:44	0.051
11949	09/25/2008	11:12:45	0.051
11950	09/25/2008	11:12:46	0.050
11951	09/25/2008	11:12:47	0.049
11952	09/25/2008	11:12:48	0.053
11953	09/25/2008	11:12:49	0.058
11954	09/25/2008	11:12:50	0.062
11955	09/25/2008	11:12:51	0.046
11956	09/25/2008	11:12:52	0.052
11957	09/25/2008	11:12:53	0.049
11958	09/25/2008	11:12:54	0.058
11959	09/25/2008	11:12:55	0.052
11960	09/25/2008	11:12:56	0.052
11961	09/25/2008	11:12:57	0.050
11962	09/25/2008	11:12:58	0.056
11963	09/25/2008	11:12:59	0.049
11964	09/25/2008	11:13:00	0.052
11965	09/25/2008	11:13:01	0.054
11966	09/25/2008	11:13:02	0.062
11967	09/25/2008	11:13:03	0.047
11968	09/25/2008	11:13:04	0.052
11969	09/25/2008	11:13:05	0.050
11970	09/25/2008	11:13:06	0.052
11971	09/25/2008	11:13:07	0.050
11972	09/25/2008	11:13:08	0.051
11973	09/25/2008	11:13:09	0.052
11974	09/25/2008	11:13:10	0.048
11975	09/25/2008	11:13:11	0.075
11976	09/25/2008	11:13:12	0.053
11977	09/25/2008	11:13:13	0.050
11978	09/25/2008	11:13:14	0.054

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
11979	09/25/2008	11:13:15	0.045
11980	09/25/2008	11:13:16	0.057
11981	09/25/2008	11:13:17	0.054
11982	09/25/2008	11:13:18	0.067
11983	09/25/2008	11:13:19	0.052
11984	09/25/2008	11:13:20	0.054
11985	09/25/2008	11:13:21	0.056
11986	09/25/2008	11:13:22	0.050
11987	09/25/2008	11:13:23	0.059
11988	09/25/2008	11:13:24	0.050
11989	09/25/2008	11:13:25	0.049
11990	09/25/2008	11:13:26	0.053
11991	09/25/2008	11:13:27	0.053
11992	09/25/2008	11:13:28	0.049
11993	09/25/2008	11:13:29	0.053
11994	09/25/2008	11:13:30	0.053
11995	09/25/2008	11:13:31	0.049
11996	09/25/2008	11:13:32	0.060
11997	09/25/2008	11:13:33	0.051
11998	09/25/2008	11:13:34	0.052
11999	09/25/2008	11:13:35	0.053
12000	09/25/2008	11:13:36	0.050
12001	09/25/2008	11:13:37	0.049
12002	09/25/2008	11:13:38	0.052
12003	09/25/2008	11:13:39	0.053
12004	09/25/2008	11:13:40	0.051
12005	09/25/2008	11:13:41	0.063
12006	09/25/2008	11:13:42	0.048
12007	09/25/2008	11:13:43	0.074
12008	09/25/2008	11:13:44	0.053
12009	09/25/2008	11:13:45	0.056
12010	09/25/2008	11:13:46	0.053
12011	09/25/2008	11:13:47	0.072
12012	09/25/2008	11:13:48	0.054
12013	09/25/2008	11:13:49	0.057
12014	09/25/2008	11:13:50	0.056
12015	09/25/2008	11:13:51	0.058
12016	09/25/2008	11:13:52	0.054
12017	09/25/2008	11:13:53	0.053
12018	09/25/2008	11:13:54	0.054
12019	09/25/2008	11:13:55	0.053
12020	09/25/2008	11:13:56	0.068
12021	09/25/2008	11:13:57	0.050
12022	09/25/2008	11:13:58	0.053
12023	09/25/2008	11:13:59	0.054
12024	09/25/2008	11:14:00	0.051
12025	09/25/2008	11:14:01	0.054
12026	09/25/2008	11:14:02	0.049
12027	09/25/2008	11:14:03	0.053
12028	09/25/2008	11:14:04	0.050
12029	09/25/2008	11:14:05	0.056
12030	09/25/2008	11:14:06	0.068
12031	09/25/2008	11:14:07	0.053
12032	09/25/2008	11:14:08	0.056
12033	09/25/2008	11:14:09	0.053

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
12034	09/25/2008	11:14:10	0.065
12035	09/25/2008	11:14:11	0.052
12036	09/25/2008	11:14:12	0.061
12037	09/25/2008	11:14:13	0.054
12038	09/25/2008	11:14:14	0.062
12039	09/25/2008	11:14:15	0.051
12040	09/25/2008	11:14:16	0.052
12041	09/25/2008	11:14:17	0.050
12042	09/25/2008	11:14:18	0.050
12043	09/25/2008	11:14:19	0.053
12044	09/25/2008	11:14:20	0.049
12045	09/25/2008	11:14:21	0.053
12046	09/25/2008	11:14:22	0.048
12047	09/25/2008	11:14:23	0.071
12048	09/25/2008	11:14:24	0.058
12049	09/25/2008	11:14:25	0.054
12050	09/25/2008	11:14:26	0.079
12051	09/25/2008	11:14:27	0.053
12052	09/25/2008	11:14:28	0.055
12053	09/25/2008	11:14:29	0.052
12054	09/25/2008	11:14:30	0.059
12055	09/25/2008	11:14:31	0.052
12056	09/25/2008	11:14:32	0.057
12057	09/25/2008	11:14:33	0.049
12058	09/25/2008	11:14:34	0.050
12059	09/25/2008	11:14:35	0.059
12060	09/25/2008	11:14:36	0.062
12061	09/25/2008	11:14:37	0.055
12062	09/25/2008	11:14:38	0.050
12063	09/25/2008	11:14:39	0.052
12064	09/25/2008	11:14:40	0.047
12065	09/25/2008	11:14:41	0.049
12066	09/25/2008	11:14:42	0.050
12067	09/25/2008	11:14:43	0.053
12068	09/25/2008	11:14:44	0.049
12069	09/25/2008	11:14:45	0.051
12070	09/25/2008	11:14:46	0.051
12071	09/25/2008	11:14:47	0.051
12072	09/25/2008	11:14:48	0.051
12073	09/25/2008	11:14:49	0.044
12074	09/25/2008	11:14:50	0.056
12075	09/25/2008	11:14:51	0.048
12076	09/25/2008	11:14:52	0.050
12077	09/25/2008	11:14:53	0.050
12078	09/25/2008	11:14:54	0.050
12079	09/25/2008	11:14:55	0.081
12080	09/25/2008	11:14:56	0.053
12081	09/25/2008	11:14:57	0.050
12082	09/25/2008	11:14:58	0.052
12083	09/25/2008	11:14:59	0.053
12084	09/25/2008	11:15:00	0.051
12085	09/25/2008	11:15:01	0.050
12086	09/25/2008	11:15:02	0.051
12087	09/25/2008	11:15:03	0.052
12088	09/25/2008	11:15:04	0.056

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
12089	09/25/2008	11:15:05	0.046
12090	09/25/2008	11:15:06	0.051
12091	09/25/2008	11:15:07	0.053
12092	09/25/2008	11:15:08	0.054
12093	09/25/2008	11:15:09	0.052
12094	09/25/2008	11:15:10	0.050
12095	09/25/2008	11:15:11	0.054
12096	09/25/2008	11:15:12	0.055
12097	09/25/2008	11:15:13	0.050
12098	09/25/2008	11:15:14	0.055
12099	09/25/2008	11:15:15	0.059
12100	09/25/2008	11:15:16	0.054
12101	09/25/2008	11:15:17	0.052
12102	09/25/2008	11:15:18	0.051
12103	09/25/2008	11:15:19	0.050
12104	09/25/2008	11:15:20	0.053
12105	09/25/2008	11:15:21	0.055
12106	09/25/2008	11:15:22	0.079
12107	09/25/2008	11:15:23	0.051
12108	09/25/2008	11:15:24	0.052
12109	09/25/2008	11:15:25	0.053
12110	09/25/2008	11:15:26	0.055
12111	09/25/2008	11:15:27	0.049
12112	09/25/2008	11:15:28	0.050
12113	09/25/2008	11:15:29	0.053
12114	09/25/2008	11:15:30	0.054
12115	09/25/2008	11:15:31	0.054
12116	09/25/2008	11:15:32	0.049
12117	09/25/2008	11:15:33	0.048
12118	09/25/2008	11:15:34	0.049
12119	09/25/2008	11:15:35	0.054
12120	09/25/2008	11:15:36	0.050
12121	09/25/2008	11:15:37	0.049
12122	09/25/2008	11:15:38	0.047
12123	09/25/2008	11:15:39	0.049
12124	09/25/2008	11:15:40	0.055
12125	09/25/2008	11:15:41	0.059
12126	09/25/2008	11:15:42	0.052
12127	09/25/2008	11:15:43	0.048
12128	09/25/2008	11:15:44	0.053
12129	09/25/2008	11:15:45	0.062
12130	09/25/2008	11:15:46	0.049
12131	09/25/2008	11:15:47	0.052
12132	09/25/2008	11:15:48	0.049
12133	09/25/2008	11:15:49	0.049
12134	09/25/2008	11:15:50	0.049
12135	09/25/2008	11:15:51	0.053
12136	09/25/2008	11:15:52	0.048
12137	09/25/2008	11:15:53	0.047
12138	09/25/2008	11:15:54	0.057
12139	09/25/2008	11:15:55	0.048
12140	09/25/2008	11:15:56	0.052
12141	09/25/2008	11:15:57	0.054
12142	09/25/2008	11:15:58	0.049
12143	09/25/2008	11:15:59	0.050

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
12144	09/25/2008	11:16:00	0.051
12145	09/25/2008	11:16:01	0.067
12146	09/25/2008	11:16:02	0.053
12147	09/25/2008	11:16:03	0.057
12148	09/25/2008	11:16:04	0.046
12149	09/25/2008	11:16:05	0.050
12150	09/25/2008	11:16:06	0.059
12151	09/25/2008	11:16:07	0.049
12152	09/25/2008	11:16:08	0.057
12153	09/25/2008	11:16:09	0.071
12154	09/25/2008	11:16:10	0.050
12155	09/25/2008	11:16:11	0.051
12156	09/25/2008	11:16:12	0.051
12157	09/25/2008	11:16:13	0.060
12158	09/25/2008	11:16:14	0.051
12159	09/25/2008	11:16:15	0.050
12160	09/25/2008	11:16:16	0.052
12161	09/25/2008	11:16:17	0.054
12162	09/25/2008	11:16:18	0.050
12163	09/25/2008	11:16:19	0.053
12164	09/25/2008	11:16:20	0.051
12165	09/25/2008	11:16:21	0.058
12166	09/25/2008	11:16:22	0.050
12167	09/25/2008	11:16:23	0.052
12168	09/25/2008	11:16:24	0.051
12169	09/25/2008	11:16:25	0.058
12170	09/25/2008	11:16:26	0.051
12171	09/25/2008	11:16:27	0.053
12172	09/25/2008	11:16:28	0.052
12173	09/25/2008	11:16:29	0.048
12174	09/25/2008	11:16:30	0.051
12175	09/25/2008	11:16:31	0.051
12176	09/25/2008	11:16:32	0.049
12177	09/25/2008	11:16:33	0.050
12178	09/25/2008	11:16:34	0.064
12179	09/25/2008	11:16:35	0.049
12180	09/25/2008	11:16:36	0.052
12181	09/25/2008	11:16:37	0.050
12182	09/25/2008	11:16:38	0.056
12183	09/25/2008	11:16:39	0.050
12184	09/25/2008	11:16:40	0.055
12185	09/25/2008	11:16:41	0.067
12186	09/25/2008	11:16:42	0.055
12187	09/25/2008	11:16:43	0.052
12188	09/25/2008	11:16:44	0.050
12189	09/25/2008	11:16:45	0.050
12190	09/25/2008	11:16:46	0.055
12191	09/25/2008	11:16:47	0.052
12192	09/25/2008	11:16:48	0.064
12193	09/25/2008	11:16:49	0.051
12194	09/25/2008	11:16:50	0.053
12195	09/25/2008	11:16:51	0.052
12196	09/25/2008	11:16:52	0.048
12197	09/25/2008	11:16:53	0.046
12198	09/25/2008	11:16:54	0.052



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
12199	09/25/2008	11:16:55	0.051
12200	09/25/2008	11:16:56	0.048
12201	09/25/2008	11:16:57	0.054
12202	09/25/2008	11:16:58	0.052
12203	09/25/2008	11:16:59	0.053
12204	09/25/2008	11:17:00	0.049
12205	09/25/2008	11:17:01	0.058
12206	09/25/2008	11:17:02	0.051
12207	09/25/2008	11:17:03	0.049
12208	09/25/2008	11:17:04	0.064
12209	09/25/2008	11:17:05	0.053
12210	09/25/2008	11:17:06	0.053
12211	09/25/2008	11:17:07	0.051
12212	09/25/2008	11:17:08	0.058
12213	09/25/2008	11:17:09	0.056
12214	09/25/2008	11:17:10	0.054
12215	09/25/2008	11:17:11	0.051
12216	09/25/2008	11:17:12	0.050
12217	09/25/2008	11:17:13	0.046
12218	09/25/2008	11:17:14	0.062
12219	09/25/2008	11:17:15	0.051
12220	09/25/2008	11:17:16	0.062
12221	09/25/2008	11:17:17	0.047
12222	09/25/2008	11:17:18	0.052
12223	09/25/2008	11:17:19	0.054
12224	09/25/2008	11:17:20	0.050
12225	09/25/2008	11:17:21	0.063
12226	09/25/2008	11:17:22	0.050
12227	09/25/2008	11:17:23	0.048
12228	09/25/2008	11:17:24	0.054
12229	09/25/2008	11:17:25	0.052
12230	09/25/2008	11:17:26	0.064
12231	09/25/2008	11:17:27	0.051
12232	09/25/2008	11:17:28	0.063
12233	09/25/2008	11:17:29	0.052
12234	09/25/2008	11:17:30	0.055
12235	09/25/2008	11:17:31	0.102
12236	09/25/2008	11:17:32	0.054
12237	09/25/2008	11:17:33	0.058
12238	09/25/2008	11:17:34	0.052
12239	09/25/2008	11:17:35	0.053
12240	09/25/2008	11:17:36	0.048
12241	09/25/2008	11:17:37	0.054
12242	09/25/2008	11:17:38	0.045
12243	09/25/2008	11:17:39	0.051
12244	09/25/2008	11:17:40	0.066
12245	09/25/2008	11:17:41	0.050
12246	09/25/2008	11:17:42	0.057
12247	09/25/2008	11:17:43	0.053
12248	09/25/2008	11:17:44	0.050
12249	09/25/2008	11:17:45	0.056
12250	09/25/2008	11:17:46	0.046
12251	09/25/2008	11:17:47	0.050
12252	09/25/2008	11:17:48	0.051
12253	09/25/2008	11:17:49	0.052

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
12254	09/25/2008	11:17:50	0.054
12255	09/25/2008	11:17:51	0.051
12256	09/25/2008	11:17:52	0.051
12257	09/25/2008	11:17:53	0.063
12258	09/25/2008	11:17:54	0.055
12259	09/25/2008	11:17:55	0.053
12260	09/25/2008	11:17:56	0.050
12261	09/25/2008	11:17:57	0.050
12262	09/25/2008	11:17:58	0.058
12263	09/25/2008	11:17:59	0.048
12264	09/25/2008	11:18:00	0.056
12265	09/25/2008	11:18:01	0.055
12266	09/25/2008	11:18:02	0.059
12267	09/25/2008	11:18:03	0.066
12268	09/25/2008	11:18:04	0.064
12269	09/25/2008	11:18:05	0.070
12270	09/25/2008	11:18:06	0.069
12271	09/25/2008	11:18:07	0.053
12272	09/25/2008	11:18:08	0.050
12273	09/25/2008	11:18:09	0.050
12274	09/25/2008	11:18:10	0.052
12275	09/25/2008	11:18:11	0.064
12276	09/25/2008	11:18:12	0.049
12277	09/25/2008	11:18:13	0.047
12278	09/25/2008	11:18:14	0.058
12279	09/25/2008	11:18:15	0.061
12280	09/25/2008	11:18:16	0.048
12281	09/25/2008	11:18:17	0.052
12282	09/25/2008	11:18:18	0.074
12283	09/25/2008	11:18:19	0.056
12284	09/25/2008	11:18:20	0.052
12285	09/25/2008	11:18:21	0.051
12286	09/25/2008	11:18:22	0.056
12287	09/25/2008	11:18:23	0.055
12288	09/25/2008	11:18:24	0.060
12289	09/25/2008	11:18:25	0.051
12290	09/25/2008	11:18:26	0.051
12291	09/25/2008	11:18:27	0.056
12292	09/25/2008	11:18:28	0.054
12293	09/25/2008	11:18:29	0.052
12294	09/25/2008	11:18:30	0.056
12295	09/25/2008	11:18:31	0.059
12296	09/25/2008	11:18:32	0.059
12297	09/25/2008	11:18:33	0.052
12298	09/25/2008	11:18:34	0.053
12299	09/25/2008	11:18:35	0.054
12300	09/25/2008	11:18:36	0.055
12301	09/25/2008	11:18:37	0.064
12302	09/25/2008	11:18:38	0.054
12303	09/25/2008	11:18:39	0.052
12304	09/25/2008	11:18:40	0.052
12305	09/25/2008	11:18:41	0.053
12306	09/25/2008	11:18:42	0.049
12307	09/25/2008	11:18:43	0.052
12308	09/25/2008	11:18:44	0.053

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
12309	09/25/2008	11:18:45	0.054
12310	09/25/2008	11:18:46	0.049
12311	09/25/2008	11:18:47	0.058
12312	09/25/2008	11:18:48	0.052
12313	09/25/2008	11:18:49	0.049
12314	09/25/2008	11:18:50	0.056
12315	09/25/2008	11:18:51	0.051
12316	09/25/2008	11:18:52	0.061
12317	09/25/2008	11:18:53	0.057
12318	09/25/2008	11:18:54	0.051
12319	09/25/2008	11:18:55	0.048
12320	09/25/2008	11:18:56	0.051
12321	09/25/2008	11:18:57	0.055
12322	09/25/2008	11:18:58	0.064
12323	09/25/2008	11:18:59	0.051
12324	09/25/2008	11:19:00	0.050
12325	09/25/2008	11:19:01	0.049
12326	09/25/2008	11:19:02	0.052
12327	09/25/2008	11:19:03	0.049
12328	09/25/2008	11:19:04	0.091
12329	09/25/2008	11:19:05	0.048
12330	09/25/2008	11:19:06	0.054
12331	09/25/2008	11:19:07	0.051
12332	09/25/2008	11:19:08	0.050
12333	09/25/2008	11:19:09	0.051
12334	09/25/2008	11:19:10	0.047
12335	09/25/2008	11:19:11	0.061
12336	09/25/2008	11:19:12	0.048
12337	09/25/2008	11:19:13	0.054
12338	09/25/2008	11:19:14	0.049
12339	09/25/2008	11:19:15	0.062
12340	09/25/2008	11:19:16	0.080
12341	09/25/2008	11:19:17	0.053
12342	09/25/2008	11:19:18	0.050
12343	09/25/2008	11:19:19	0.064
12344	09/25/2008	11:19:20	0.049
12345	09/25/2008	11:19:21	0.051
12346	09/25/2008	11:19:22	0.053
12347	09/25/2008	11:19:23	0.055
12348	09/25/2008	11:19:24	0.052
12349	09/25/2008	11:19:25	0.050
12350	09/25/2008	11:19:26	0.063
12351	09/25/2008	11:19:27	0.057
12352	09/25/2008	11:19:28	0.050
12353	09/25/2008	11:19:29	0.050
12354	09/25/2008	11:19:30	0.058
12355	09/25/2008	11:19:31	0.050
12356	09/25/2008	11:19:32	0.051
12357	09/25/2008	11:19:33	0.078
12358	09/25/2008	11:19:34	0.053
12359	09/25/2008	11:19:35	0.047
12360	09/25/2008	11:19:36	0.048
12361	09/25/2008	11:19:37	0.053
12362	09/25/2008	11:19:38	0.049
12363	09/25/2008	11:19:39	0.050

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
12364	09/25/2008	11:19:40	0.053
12365	09/25/2008	11:19:41	0.058
12366	09/25/2008	11:19:42	0.059
12367	09/25/2008	11:19:43	0.048
12368	09/25/2008	11:19:44	0.052
12369	09/25/2008	11:19:45	0.056
12370	09/25/2008	11:19:46	0.057
12371	09/25/2008	11:19:47	0.053
12372	09/25/2008	11:19:48	0.051
12373	09/25/2008	11:19:49	0.054
12374	09/25/2008	11:19:50	0.050
12375	09/25/2008	11:19:51	0.053
12376	09/25/2008	11:19:52	0.063
12377	09/25/2008	11:19:53	0.056
12378	09/25/2008	11:19:54	0.056
12379	09/25/2008	11:19:55	0.050
12380	09/25/2008	11:19:56	0.067
12381	09/25/2008	11:19:57	0.099
12382	09/25/2008	11:19:58	0.164
12383	09/25/2008	11:19:59	0.049
12384	09/25/2008	11:20:00	0.049
12385	09/25/2008	11:20:01	0.049
12386	09/25/2008	11:20:02	0.056
12387	09/25/2008	11:20:03	0.046
12388	09/25/2008	11:20:04	0.049
12389	09/25/2008	11:20:05	0.050
12390	09/25/2008	11:20:06	0.053
12391	09/25/2008	11:20:07	0.053
12392	09/25/2008	11:20:08	0.055
12393	09/25/2008	11:20:09	0.058
12394	09/25/2008	11:20:10	0.044
12395	09/25/2008	11:20:11	0.055
12396	09/25/2008	11:20:12	0.057
12397	09/25/2008	11:20:13	0.046
12398	09/25/2008	11:20:14	0.053
12399	09/25/2008	11:20:15	0.047
12400	09/25/2008	11:20:16	0.053
12401	09/25/2008	11:20:17	0.050
12402	09/25/2008	11:20:18	0.058
12403	09/25/2008	11:20:19	0.136
12404	09/25/2008	11:20:20	0.049
12405	09/25/2008	11:20:21	0.054
12406	09/25/2008	11:20:22	0.052
12407	09/25/2008	11:20:23	0.050
12408	09/25/2008	11:20:24	0.051
12409	09/25/2008	11:20:25	0.053
12410	09/25/2008	11:20:26	0.050
12411	09/25/2008	11:20:27	0.049
12412	09/25/2008	11:20:28	0.056
12413	09/25/2008	11:20:29	0.047
12414	09/25/2008	11:20:30	0.050
12415	09/25/2008	11:20:31	0.049
12416	09/25/2008	11:20:32	0.052
12417	09/25/2008	11:20:33	0.057
12418	09/25/2008	11:20:34	0.083

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
12419	09/25/2008	11:20:35	0.054
12420	09/25/2008	11:20:36	0.048
12421	09/25/2008	11:20:37	0.052
12422	09/25/2008	11:20:38	0.050
12423	09/25/2008	11:20:39	0.061
12424	09/25/2008	11:20:40	0.048
12425	09/25/2008	11:20:41	0.049
12426	09/25/2008	11:20:42	0.053
12427	09/25/2008	11:20:43	0.053
12428	09/25/2008	11:20:44	0.054
12429	09/25/2008	11:20:45	0.054
12430	09/25/2008	11:20:46	0.051
12431	09/25/2008	11:20:47	0.057
12432	09/25/2008	11:20:48	0.074
12433	09/25/2008	11:20:49	0.051
12434	09/25/2008	11:20:50	0.047
12435	09/25/2008	11:20:51	0.048
12436	09/25/2008	11:20:52	0.050
12437	09/25/2008	11:20:53	0.053
12438	09/25/2008	11:20:54	0.050
12439	09/25/2008	11:20:55	0.053
12440	09/25/2008	11:20:56	0.052
12441	09/25/2008	11:20:57	0.051
12442	09/25/2008	11:20:58	0.053
12443	09/25/2008	11:20:59	0.050
12444	09/25/2008	11:21:00	0.057
12445	09/25/2008	11:21:01	0.056
12446	09/25/2008	11:21:02	0.051
12447	09/25/2008	11:21:03	0.053
12448	09/25/2008	11:21:04	0.067
12449	09/25/2008	11:21:05	0.051
12450	09/25/2008	11:21:06	0.070
12451	09/25/2008	11:21:07	0.052
12452	09/25/2008	11:21:08	0.051
12453	09/25/2008	11:21:09	0.054
12454	09/25/2008	11:21:10	0.112
12455	09/25/2008	11:21:11	0.049
12456	09/25/2008	11:21:12	0.050
12457	09/25/2008	11:21:13	0.055
12458	09/25/2008	11:21:14	0.048
12459	09/25/2008	11:21:15	0.050
12460	09/25/2008	11:21:16	0.054
12461	09/25/2008	11:21:17	0.049
12462	09/25/2008	11:21:18	0.046
12463	09/25/2008	11:21:19	0.048
12464	09/25/2008	11:21:20	0.049
12465	09/25/2008	11:21:21	0.058
12466	09/25/2008	11:21:22	0.050
12467	09/25/2008	11:21:23	0.060
12468	09/25/2008	11:21:24	0.050
12469	09/25/2008	11:21:25	0.115
12470	09/25/2008	11:21:26	0.058
12471	09/25/2008	11:21:27	0.051
12472	09/25/2008	11:21:28	0.066
12473	09/25/2008	11:21:29	0.051

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
12474	09/25/2008	11:21:30	0.053
12475	09/25/2008	11:21:31	0.048
12476	09/25/2008	11:21:32	0.089
12477	09/25/2008	11:21:33	0.050
12478	09/25/2008	11:21:34	0.047
12479	09/25/2008	11:21:35	0.056
12480	09/25/2008	11:21:36	0.051
12481	09/25/2008	11:21:37	0.054
12482	09/25/2008	11:21:38	0.052
12483	09/25/2008	11:21:39	0.054
12484	09/25/2008	11:21:40	0.048
12485	09/25/2008	11:21:41	0.059
12486	09/25/2008	11:21:42	0.063
12487	09/25/2008	11:21:43	0.058
12488	09/25/2008	11:21:44	0.070
12489	09/25/2008	11:21:45	0.055
12490	09/25/2008	11:21:46	0.049
12491	09/25/2008	11:21:47	0.052
12492	09/25/2008	11:21:48	0.052
12493	09/25/2008	11:21:49	0.060
12494	09/25/2008	11:21:50	0.050
12495	09/25/2008	11:21:51	0.053
12496	09/25/2008	11:21:52	0.055
12497	09/25/2008	11:21:53	0.053
12498	09/25/2008	11:21:54	0.058
12499	09/25/2008	11:21:55	0.064
12500	09/25/2008	11:21:56	0.071
12501	09/25/2008	11:21:57	0.070
12502	09/25/2008	11:21:58	0.061
12503	09/25/2008	11:21:59	0.055
12504	09/25/2008	11:22:00	0.058
12505	09/25/2008	11:22:01	0.050
12506	09/25/2008	11:22:02	0.052
12507	09/25/2008	11:22:03	0.050
12508	09/25/2008	11:22:04	0.058
12509	09/25/2008	11:22:05	0.052
12510	09/25/2008	11:22:06	0.056
12511	09/25/2008	11:22:07	0.052
12512	09/25/2008	11:22:08	0.054
12513	09/25/2008	11:22:09	0.052
12514	09/25/2008	11:22:10	0.057
12515	09/25/2008	11:22:11	0.054
12516	09/25/2008	11:22:12	0.050
12517	09/25/2008	11:22:13	0.060
12518	09/25/2008	11:22:14	0.056
12519	09/25/2008	11:22:15	0.051
12520	09/25/2008	11:22:16	0.055
12521	09/25/2008	11:22:17	0.052
12522	09/25/2008	11:22:18	0.050
12523	09/25/2008	11:22:19	0.047
12524	09/25/2008	11:22:20	0.060
12525	09/25/2008	11:22:21	0.047
12526	09/25/2008	11:22:22	0.052
12527	09/25/2008	11:22:23	0.065
12528	09/25/2008	11:22:24	0.051

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
12529	09/25/2008	11:22:25	0.051
12530	09/25/2008	11:22:26	0.053
12531	09/25/2008	11:22:27	0.050
12532	09/25/2008	11:22:28	0.052
12533	09/25/2008	11:22:29	0.053
12534	09/25/2008	11:22:30	0.053
12535	09/25/2008	11:22:31	0.056
12536	09/25/2008	11:22:32	0.050
12537	09/25/2008	11:22:33	0.048
12538	09/25/2008	11:22:34	0.050
12539	09/25/2008	11:22:35	0.049
12540	09/25/2008	11:22:36	0.050
12541	09/25/2008	11:22:37	0.051
12542	09/25/2008	11:22:38	0.052
12543	09/25/2008	11:22:39	0.051
12544	09/25/2008	11:22:40	0.051
12545	09/25/2008	11:22:41	0.051
12546	09/25/2008	11:22:42	0.055
12547	09/25/2008	11:22:43	0.062
12548	09/25/2008	11:22:44	0.047
12549	09/25/2008	11:22:45	0.055
12550	09/25/2008	11:22:46	0.065
12551	09/25/2008	11:22:47	0.050
12552	09/25/2008	11:22:48	0.050
12553	09/25/2008	11:22:49	0.060
12554	09/25/2008	11:22:50	0.057
12555	09/25/2008	11:22:51	0.049
12556	09/25/2008	11:22:52	0.055
12557	09/25/2008	11:22:53	0.051
12558	09/25/2008	11:22:54	0.054
12559	09/25/2008	11:22:55	0.049
12560	09/25/2008	11:22:56	0.048
12561	09/25/2008	11:22:57	0.048
12562	09/25/2008	11:22:58	0.052
12563	09/25/2008	11:22:59	0.053
12564	09/25/2008	11:23:00	0.050
12565	09/25/2008	11:23:01	0.048
12566	09/25/2008	11:23:02	0.048
12567	09/25/2008	11:23:03	0.046
12568	09/25/2008	11:23:04	0.053
12569	09/25/2008	11:23:05	0.053
12570	09/25/2008	11:23:06	0.053
12571	09/25/2008	11:23:07	0.053
12572	09/25/2008	11:23:08	0.050
12573	09/25/2008	11:23:09	0.049
12574	09/25/2008	11:23:10	0.067
12575	09/25/2008	11:23:11	0.051
12576	09/25/2008	11:23:12	0.044
12577	09/25/2008	11:23:13	0.047
12578	09/25/2008	11:23:14	0.050
12579	09/25/2008	11:23:15	0.052
12580	09/25/2008	11:23:16	0.060
12581	09/25/2008	11:23:17	0.056
12582	09/25/2008	11:23:18	0.061
12583	09/25/2008	11:23:19	0.049

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
12584	09/25/2008	11:23:20	0.050
12585	09/25/2008	11:23:21	0.052
12586	09/25/2008	11:23:22	0.062
12587	09/25/2008	11:23:23	0.060
12588	09/25/2008	11:23:24	0.054
12589	09/25/2008	11:23:25	0.048
12590	09/25/2008	11:23:26	0.049
12591	09/25/2008	11:23:27	0.047
12592	09/25/2008	11:23:28	0.050
12593	09/25/2008	11:23:29	0.050
12594	09/25/2008	11:23:30	0.050
12595	09/25/2008	11:23:31	0.050
12596	09/25/2008	11:23:32	0.051
12597	09/25/2008	11:23:33	0.042
12598	09/25/2008	11:23:34	0.056
12599	09/25/2008	11:23:35	0.047
12600	09/25/2008	11:23:36	0.061
12601	09/25/2008	11:23:37	0.053
12602	09/25/2008	11:23:38	0.058
12603	09/25/2008	11:23:39	0.052
12604	09/25/2008	11:23:40	0.047
12605	09/25/2008	11:23:41	0.054
12606	09/25/2008	11:23:42	0.059
12607	09/25/2008	11:23:43	0.058
12608	09/25/2008	11:23:44	0.051
12609	09/25/2008	11:23:45	0.047
12610	09/25/2008	11:23:46	0.056
12611	09/25/2008	11:23:47	0.047
12612	09/25/2008	11:23:48	0.055
12613	09/25/2008	11:23:49	0.056
12614	09/25/2008	11:23:50	0.050
12615	09/25/2008	11:23:51	0.051
12616	09/25/2008	11:23:52	0.049
12617	09/25/2008	11:23:53	0.049
12618	09/25/2008	11:23:54	0.047
12619	09/25/2008	11:23:55	0.054
12620	09/25/2008	11:23:56	0.052
12621	09/25/2008	11:23:57	0.050
12622	09/25/2008	11:23:58	0.056
12623	09/25/2008	11:23:59	0.050
12624	09/25/2008	11:24:00	0.052
12625	09/25/2008	11:24:01	0.075
12626	09/25/2008	11:24:02	0.063
12627	09/25/2008	11:24:03	0.057
12628	09/25/2008	11:24:04	0.050
12629	09/25/2008	11:24:05	0.050
12630	09/25/2008	11:24:06	0.054
12631	09/25/2008	11:24:07	0.049
12632	09/25/2008	11:24:08	0.048
12633	09/25/2008	11:24:09	0.052
12634	09/25/2008	11:24:10	0.066
12635	09/25/2008	11:24:11	0.068
12636	09/25/2008	11:24:12	0.069
12637	09/25/2008	11:24:13	0.050
12638	09/25/2008	11:24:14	0.048



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
12639	09/25/2008	11:24:15	0.071
12640	09/25/2008	11:24:16	0.056
12641	09/25/2008	11:24:17	0.050
12642	09/25/2008	11:24:18	0.053
12643	09/25/2008	11:24:19	0.055
12644	09/25/2008	11:24:20	0.050
12645	09/25/2008	11:24:21	0.052
12646	09/25/2008	11:24:22	0.051
12647	09/25/2008	11:24:23	0.052
12648	09/25/2008	11:24:24	0.056
12649	09/25/2008	11:24:25	0.044
12650	09/25/2008	11:24:26	0.054
12651	09/25/2008	11:24:27	0.052
12652	09/25/2008	11:24:28	0.054
12653	09/25/2008	11:24:29	0.052
12654	09/25/2008	11:24:30	0.070
12655	09/25/2008	11:24:31	0.048
12656	09/25/2008	11:24:32	0.052
12657	09/25/2008	11:24:33	0.052
12658	09/25/2008	11:24:34	0.049
12659	09/25/2008	11:24:35	0.056
12660	09/25/2008	11:24:36	0.052
12661	09/25/2008	11:24:37	0.051
12662	09/25/2008	11:24:38	0.049
12663	09/25/2008	11:24:39	0.055
12664	09/25/2008	11:24:40	0.054
12665	09/25/2008	11:24:41	0.052
12666	09/25/2008	11:24:42	0.048
12667	09/25/2008	11:24:43	0.050
12668	09/25/2008	11:24:44	0.048
12669	09/25/2008	11:24:45	0.052
12670	09/25/2008	11:24:46	0.048
12671	09/25/2008	11:24:47	0.057
12672	09/25/2008	11:24:48	0.057
12673	09/25/2008	11:24:49	0.048
12674	09/25/2008	11:24:50	0.068
12675	09/25/2008	11:24:51	0.049
12676	09/25/2008	11:24:52	0.050
12677	09/25/2008	11:24:53	0.052
12678	09/25/2008	11:24:54	0.055
12679	09/25/2008	11:24:55	0.059
12680	09/25/2008	11:24:56	0.048
12681	09/25/2008	11:24:57	0.052
12682	09/25/2008	11:24:58	0.048
12683	09/25/2008	11:24:59	0.050
12684	09/25/2008	11:25:00	0.051
12685	09/25/2008	11:25:01	0.056
12686	09/25/2008	11:25:02	0.048
12687	09/25/2008	11:25:03	0.052
12688	09/25/2008	11:25:04	0.080
12689	09/25/2008	11:25:05	0.048
12690	09/25/2008	11:25:06	0.050
12691	09/25/2008	11:25:07	0.047
12692	09/25/2008	11:25:08	0.055
12693	09/25/2008	11:25:09	0.052

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
12694	09/25/2008	11:25:10	0.050
12695	09/25/2008	11:25:11	0.053
12696	09/25/2008	11:25:12	0.049
12697	09/25/2008	11:25:13	0.049
12698	09/25/2008	11:25:14	0.052
12699	09/25/2008	11:25:15	0.060
12700	09/25/2008	11:25:16	0.055
12701	09/25/2008	11:25:17	0.050
12702	09/25/2008	11:25:18	0.053
12703	09/25/2008	11:25:19	0.055
12704	09/25/2008	11:25:20	0.056
12705	09/25/2008	11:25:21	0.081
12706	09/25/2008	11:25:22	0.047
12707	09/25/2008	11:25:23	0.052
12708	09/25/2008	11:25:24	0.049
12709	09/25/2008	11:25:25	0.050
12710	09/25/2008	11:25:26	0.050
12711	09/25/2008	11:25:27	0.051
12712	09/25/2008	11:25:28	0.054
12713	09/25/2008	11:25:29	0.054
12714	09/25/2008	11:25:30	0.053
12715	09/25/2008	11:25:31	0.047
12716	09/25/2008	11:25:32	0.054
12717	09/25/2008	11:25:33	0.075
12718	09/25/2008	11:25:34	0.049
12719	09/25/2008	11:25:35	0.051
12720	09/25/2008	11:25:36	0.046
12721	09/25/2008	11:25:37	0.060
12722	09/25/2008	11:25:38	0.048
12723	09/25/2008	11:25:39	0.099
12724	09/25/2008	11:25:40	0.052
12725	09/25/2008	11:25:41	0.051
12726	09/25/2008	11:25:42	0.049
12727	09/25/2008	11:25:43	0.051
12728	09/25/2008	11:25:44	0.048
12729	09/25/2008	11:25:45	0.047
12730	09/25/2008	11:25:46	0.064
12731	09/25/2008	11:25:47	0.055
12732	09/25/2008	11:25:48	0.049
12733	09/25/2008	11:25:49	0.055
12734	09/25/2008	11:25:50	0.046
12735	09/25/2008	11:25:51	0.050
12736	09/25/2008	11:25:52	0.050
12737	09/25/2008	11:25:53	0.048
12738	09/25/2008	11:25:54	0.048
12739	09/25/2008	11:25:55	0.051
12740	09/25/2008	11:25:56	0.058
12741	09/25/2008	11:25:57	0.049
12742	09/25/2008	11:25:58	0.051
12743	09/25/2008	11:25:59	0.048
12744	09/25/2008	11:26:00	0.046
12745	09/25/2008	11:26:01	0.052
12746	09/25/2008	11:26:02	0.053
12747	09/25/2008	11:26:03	0.056
12748	09/25/2008	11:26:04	0.054

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
12749	09/25/2008	11:26:05	0.053
12750	09/25/2008	11:26:06	0.048
12751	09/25/2008	11:26:07	0.050
12752	09/25/2008	11:26:08	0.046
12753	09/25/2008	11:26:09	0.051
12754	09/25/2008	11:26:10	0.106
12755	09/25/2008	11:26:11	0.052
12756	09/25/2008	11:26:12	0.049
12757	09/25/2008	11:26:13	0.055
12758	09/25/2008	11:26:14	0.510
12759	09/25/2008	11:26:15	1.006
12760	09/25/2008	11:26:16	0.165
12761	09/25/2008	11:26:17	0.074
12762	09/25/2008	11:26:18	0.079
12763	09/25/2008	11:26:19	0.069
12764	09/25/2008	11:26:20	0.072
12765	09/25/2008	11:26:21	0.064
12766	09/25/2008	11:26:22	0.067
12767	09/25/2008	11:26:23	0.073
12768	09/25/2008	11:26:24	0.065
12769	09/25/2008	11:26:25	0.118
12770	09/25/2008	11:26:26	0.068
12771	09/25/2008	11:26:27	0.065
12772	09/25/2008	11:26:28	0.057
12773	09/25/2008	11:26:29	0.054
12774	09/25/2008	11:26:30	0.053
12775	09/25/2008	11:26:31	0.059
12776	09/25/2008	11:26:32	0.052
12777	09/25/2008	11:26:33	0.075
12778	09/25/2008	11:26:34	0.091
12779	09/25/2008	11:26:35	0.056
12780	09/25/2008	11:26:36	0.082
12781	09/25/2008	11:26:37	0.060
12782	09/25/2008	11:26:38	0.055
12783	09/25/2008	11:26:39	0.061
12784	09/25/2008	11:26:40	0.056
12785	09/25/2008	11:26:41	0.051
12786	09/25/2008	11:26:42	0.054
12787	09/25/2008	11:26:43	0.062
12788	09/25/2008	11:26:44	0.054
12789	09/25/2008	11:26:45	0.047
12790	09/25/2008	11:26:46	0.050
12791	09/25/2008	11:26:47	0.055
12792	09/25/2008	11:26:48	0.065
12793	09/25/2008	11:26:49	0.058
12794	09/25/2008	11:26:50	0.053
12795	09/25/2008	11:26:51	0.053
12796	09/25/2008	11:26:52	0.051
12797	09/25/2008	11:26:53	0.055
12798	09/25/2008	11:26:54	0.053
12799	09/25/2008	11:26:55	0.050
12800	09/25/2008	11:26:56	0.049
12801	09/25/2008	11:26:57	0.051
12802	09/25/2008	11:26:58	0.051
12803	09/25/2008	11:26:59	0.054

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
12804	09/25/2008	11:27:00	0.057
12805	09/25/2008	11:27:01	0.050
12806	09/25/2008	11:27:02	0.047
12807	09/25/2008	11:27:03	0.048
12808	09/25/2008	11:27:04	0.049
12809	09/25/2008	11:27:05	0.059
12810	09/25/2008	11:27:06	0.057
12811	09/25/2008	11:27:07	0.071
12812	09/25/2008	11:27:08	0.051
12813	09/25/2008	11:27:09	0.070
12814	09/25/2008	11:27:10	0.057
12815	09/25/2008	11:27:11	0.084
12816	09/25/2008	11:27:12	0.062
12817	09/25/2008	11:27:13	0.062
12818	09/25/2008	11:27:14	0.077
12819	09/25/2008	11:27:15	0.100
12820	09/25/2008	11:27:16	0.078
12821	09/25/2008	11:27:17	0.054
12822	09/25/2008	11:27:18	0.143
12823	09/25/2008	11:27:19	0.061
12824	09/25/2008	11:27:20	0.057
12825	09/25/2008	11:27:21	0.055
12826	09/25/2008	11:27:22	0.062
12827	09/25/2008	11:27:23	0.060
12828	09/25/2008	11:27:24	0.054
12829	09/25/2008	11:27:25	0.062
12830	09/25/2008	11:27:26	0.058
12831	09/25/2008	11:27:27	0.050
12832	09/25/2008	11:27:28	0.055
12833	09/25/2008	11:27:29	0.057
12834	09/25/2008	11:27:30	0.050
12835	09/25/2008	11:27:31	0.056
12836	09/25/2008	11:27:32	0.071
12837	09/25/2008	11:27:33	0.063
12838	09/25/2008	11:27:34	0.057
12839	09/25/2008	11:27:35	0.053
12840	09/25/2008	11:27:36	0.051
12841	09/25/2008	11:27:37	0.052
12842	09/25/2008	11:27:38	0.056
12843	09/25/2008	11:27:39	0.054
12844	09/25/2008	11:27:40	0.054
12845	09/25/2008	11:27:41	0.055
12846	09/25/2008	11:27:42	0.105
12847	09/25/2008	11:27:43	0.051
12848	09/25/2008	11:27:44	0.057
12849	09/25/2008	11:27:45	0.052
12850	09/25/2008	11:27:46	0.054
12851	09/25/2008	11:27:47	0.055
12852	09/25/2008	11:27:48	0.060
12853	09/25/2008	11:27:49	0.052
12854	09/25/2008	11:27:50	0.047
12855	09/25/2008	11:27:51	0.056
12856	09/25/2008	11:27:52	0.049
12857	09/25/2008	11:27:53	0.062
12858	09/25/2008	11:27:54	0.054

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
12859	09/25/2008	11:27:55	0.050
12860	09/25/2008	11:27:56	0.057
12861	09/25/2008	11:27:57	0.053
12862	09/25/2008	11:27:58	0.053
12863	09/25/2008	11:27:59	0.053
12864	09/25/2008	11:28:00	0.099
12865	09/25/2008	11:28:01	0.354
12866	09/25/2008	11:28:02	0.065
12867	09/25/2008	11:28:03	0.064
12868	09/25/2008	11:28:04	0.064
12869	09/25/2008	11:28:05	0.077
12870	09/25/2008	11:28:06	0.069
12871	09/25/2008	11:28:07	0.059
12872	09/25/2008	11:28:08	0.060
12873	09/25/2008	11:28:09	0.065
12874	09/25/2008	11:28:10	0.070
12875	09/25/2008	11:28:11	0.048
12876	09/25/2008	11:28:12	0.060
12877	09/25/2008	11:28:13	0.055
12878	09/25/2008	11:28:14	0.054
12879	09/25/2008	11:28:15	0.050
12880	09/25/2008	11:28:16	0.051
12881	09/25/2008	11:28:17	0.058
12882	09/25/2008	11:28:18	0.055
12883	09/25/2008	11:28:19	0.053
12884	09/25/2008	11:28:20	0.054
12885	09/25/2008	11:28:21	0.085
12886	09/25/2008	11:28:22	0.060
12887	09/25/2008	11:28:23	0.065
12888	09/25/2008	11:28:24	0.051
12889	09/25/2008	11:28:25	0.051
12890	09/25/2008	11:28:26	0.051
12891	09/25/2008	11:28:27	0.052
12892	09/25/2008	11:28:28	0.050
12893	09/25/2008	11:28:29	0.053
12894	09/25/2008	11:28:30	0.057
12895	09/25/2008	11:28:31	0.054
12896	09/25/2008	11:28:32	0.052
12897	09/25/2008	11:28:33	0.058
12898	09/25/2008	11:28:34	0.074
12899	09/25/2008	11:28:35	0.053
12900	09/25/2008	11:28:36	0.067
12901	09/25/2008	11:28:37	0.054
12902	09/25/2008	11:28:38	0.053
12903	09/25/2008	11:28:39	0.057
12904	09/25/2008	11:28:40	0.053
12905	09/25/2008	11:28:41	0.050
12906	09/25/2008	11:28:42	0.047
12907	09/25/2008	11:28:43	0.053
12908	09/25/2008	11:28:44	0.052
12909	09/25/2008	11:28:45	0.047
12910	09/25/2008	11:28:46	0.048
12911	09/25/2008	11:28:47	0.054
12912	09/25/2008	11:28:48	0.047
12913	09/25/2008	11:28:49	0.077

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
12914	09/25/2008	11:28:50	0.046
12915	09/25/2008	11:28:51	0.054
12916	09/25/2008	11:28:52	0.053
12917	09/25/2008	11:28:53	0.049
12918	09/25/2008	11:28:54	0.060
12919	09/25/2008	11:28:55	0.063
12920	09/25/2008	11:28:56	0.054
12921	09/25/2008	11:28:57	0.051
12922	09/25/2008	11:28:58	0.048
12923	09/25/2008	11:28:59	0.058
12924	09/25/2008	11:29:00	0.058
12925	09/25/2008	11:29:01	0.055
12926	09/25/2008	11:29:02	0.046
12927	09/25/2008	11:29:03	0.052
12928	09/25/2008	11:29:04	0.046
12929	09/25/2008	11:29:05	0.056
12930	09/25/2008	11:29:06	0.048
12931	09/25/2008	11:29:07	0.049
12932	09/25/2008	11:29:08	0.052
12933	09/25/2008	11:29:09	0.045
12934	09/25/2008	11:29:10	0.050
12935	09/25/2008	11:29:11	0.057
12936	09/25/2008	11:29:12	0.049
12937	09/25/2008	11:29:13	0.048
12938	09/25/2008	11:29:14	0.046
12939	09/25/2008	11:29:15	0.049
12940	09/25/2008	11:29:16	0.052
12941	09/25/2008	11:29:17	0.048
12942	09/25/2008	11:29:18	0.050
12943	09/25/2008	11:29:19	0.047
12944	09/25/2008	11:29:20	0.054
12945	09/25/2008	11:29:21	0.057
12946	09/25/2008	11:29:22	0.045
12947	09/25/2008	11:29:23	0.049
12948	09/25/2008	11:29:24	0.052
12949	09/25/2008	11:29:25	0.043
12950	09/25/2008	11:29:26	0.054
12951	09/25/2008	11:29:27	0.054
12952	09/25/2008	11:29:28	0.052
12953	09/25/2008	11:29:29	0.048
12954	09/25/2008	11:29:30	0.048
12955	09/25/2008	11:29:31	0.054
12956	09/25/2008	11:29:32	0.048
12957	09/25/2008	11:29:33	0.057
12958	09/25/2008	11:29:34	0.052
12959	09/25/2008	11:29:35	0.051
12960	09/25/2008	11:29:36	0.056
12961	09/25/2008	11:29:37	0.048
12962	09/25/2008	11:29:38	0.051
12963	09/25/2008	11:29:39	0.055
12964	09/25/2008	11:29:40	0.107
12965	09/25/2008	11:29:41	0.099
12966	09/25/2008	11:29:42	0.062
12967	09/25/2008	11:29:43	0.158
12968	09/25/2008	11:29:44	0.081

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
12969	09/25/2008	11:29:45	0.059
12970	09/25/2008	11:29:46	0.052
12971	09/25/2008	11:29:47	0.052
12972	09/25/2008	11:29:48	0.055
12973	09/25/2008	11:29:49	0.059
12974	09/25/2008	11:29:50	0.055
12975	09/25/2008	11:29:51	0.055
12976	09/25/2008	11:29:52	0.079
12977	09/25/2008	11:29:53	0.110
12978	09/25/2008	11:29:54	0.103
12979	09/25/2008	11:29:55	0.071
12980	09/25/2008	11:29:56	0.060
12981	09/25/2008	11:29:57	0.056
12982	09/25/2008	11:29:58	0.077
12983	09/25/2008	11:29:59	0.069
12984	09/25/2008	11:30:00	0.086
12985	09/25/2008	11:30:01	0.057
12986	09/25/2008	11:30:02	0.092
12987	09/25/2008	11:30:03	0.073
12988	09/25/2008	11:30:04	0.088
12989	09/25/2008	11:30:05	0.070
12990	09/25/2008	11:30:06	0.059
12991	09/25/2008	11:30:07	0.067
12992	09/25/2008	11:30:08	0.070
12993	09/25/2008	11:30:09	0.075
12994	09/25/2008	11:30:10	0.069
12995	09/25/2008	11:30:11	0.070
12996	09/25/2008	11:30:12	0.059
12997	09/25/2008	11:30:13	0.059
12998	09/25/2008	11:30:14	0.064
12999	09/25/2008	11:30:15	0.057
13000	09/25/2008	11:30:16	0.055
13001	09/25/2008	11:30:17	0.049
13002	09/25/2008	11:30:18	0.053
13003	09/25/2008	11:30:19	0.053
13004	09/25/2008	11:30:20	0.049
13005	09/25/2008	11:30:21	0.063
13006	09/25/2008	11:30:22	0.054
13007	09/25/2008	11:30:23	0.053
13008	09/25/2008	11:30:24	0.070
13009	09/25/2008	11:30:25	0.161
13010	09/25/2008	11:30:26	0.100
13011	09/25/2008	11:30:27	0.066
13012	09/25/2008	11:30:28	0.159
13013	09/25/2008	11:30:29	0.119
13014	09/25/2008	11:30:30	0.074
13015	09/25/2008	11:30:31	0.073
13016	09/25/2008	11:30:32	0.056
13017	09/25/2008	11:30:33	0.067
13018	09/25/2008	11:30:34	0.190
13019	09/25/2008	11:30:35	0.172
13020	09/25/2008	11:30:36	0.063
13021	09/25/2008	11:30:37	0.052
13022	09/25/2008	11:30:38	0.056
13023	09/25/2008	11:30:39	0.051

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
13024	09/25/2008	11:30:40	0.057
13025	09/25/2008	11:30:41	0.054
13026	09/25/2008	11:30:42	0.055
13027	09/25/2008	11:30:43	0.048
13028	09/25/2008	11:30:44	0.054
13029	09/25/2008	11:30:45	0.054
13030	09/25/2008	11:30:46	0.052
13031	09/25/2008	11:30:47	0.054
13032	09/25/2008	11:30:48	0.052
13033	09/25/2008	11:30:49	0.053
13034	09/25/2008	11:30:50	0.049
13035	09/25/2008	11:30:51	0.053
13036	09/25/2008	11:30:52	0.054
13037	09/25/2008	11:30:53	0.048
13038	09/25/2008	11:30:54	0.048
13039	09/25/2008	11:30:55	0.048
13040	09/25/2008	11:30:56	0.048
13041	09/25/2008	11:30:57	0.069
13042	09/25/2008	11:30:58	0.049
13043	09/25/2008	11:30:59	0.050
13044	09/25/2008	11:31:00	0.058
13045	09/25/2008	11:31:01	0.053
13046	09/25/2008	11:31:02	0.046
13047	09/25/2008	11:31:03	0.054
13048	09/25/2008	11:31:04	0.047
13049	09/25/2008	11:31:05	0.051
13050	09/25/2008	11:31:06	0.051
13051	09/25/2008	11:31:07	0.055
13052	09/25/2008	11:31:08	0.055
13053	09/25/2008	11:31:09	0.050
13054	09/25/2008	11:31:10	0.070
13055	09/25/2008	11:31:11	0.052
13056	09/25/2008	11:31:12	0.056
13057	09/25/2008	11:31:13	0.085
13058	09/25/2008	11:31:14	0.051
13059	09/25/2008	11:31:15	0.056
13060	09/25/2008	11:31:16	0.071
13061	09/25/2008	11:31:17	0.053
13062	09/25/2008	11:31:18	0.052
13063	09/25/2008	11:31:19	0.052
13064	09/25/2008	11:31:20	0.096
13065	09/25/2008	11:31:21	0.111
13066	09/25/2008	11:31:22	0.073
13067	09/25/2008	11:31:23	0.062
13068	09/25/2008	11:31:24	0.053
13069	09/25/2008	11:31:25	0.063
13070	09/25/2008	11:31:26	0.050
13071	09/25/2008	11:31:27	0.050
13072	09/25/2008	11:31:28	0.051
13073	09/25/2008	11:31:29	0.053
13074	09/25/2008	11:31:30	0.080
13075	09/25/2008	11:31:31	0.091
13076	09/25/2008	11:31:32	0.092
13077	09/25/2008	11:31:33	0.061
13078	09/25/2008	11:31:34	0.059



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
13079	09/25/2008	11:31:35	0.066
13080	09/25/2008	11:31:36	0.048
13081	09/25/2008	11:31:37	0.055
13082	09/25/2008	11:31:38	0.050
13083	09/25/2008	11:31:39	0.057
13084	09/25/2008	11:31:40	0.054
13085	09/25/2008	11:31:41	0.054
13086	09/25/2008	11:31:42	0.058
13087	09/25/2008	11:31:43	0.052
13088	09/25/2008	11:31:44	0.081
13089	09/25/2008	11:31:45	0.086
13090	09/25/2008	11:31:46	0.059
13091	09/25/2008	11:31:47	0.072
13092	09/25/2008	11:31:48	0.064
13093	09/25/2008	11:31:49	0.135
13094	09/25/2008	11:31:50	0.071
13095	09/25/2008	11:31:51	0.062
13096	09/25/2008	11:31:52	0.133
13097	09/25/2008	11:31:53	0.063
13098	09/25/2008	11:31:54	0.059
13099	09/25/2008	11:31:55	0.052
13100	09/25/2008	11:31:56	0.061
13101	09/25/2008	11:31:57	0.050
13102	09/25/2008	11:31:58	0.048
13103	09/25/2008	11:31:59	0.056
13104	09/25/2008	11:32:00	0.060
13105	09/25/2008	11:32:01	0.048
13106	09/25/2008	11:32:02	0.056
13107	09/25/2008	11:32:03	0.053
13108	09/25/2008	11:32:04	0.048
13109	09/25/2008	11:32:05	0.052
13110	09/25/2008	11:32:06	0.054
13111	09/25/2008	11:32:07	0.048
13112	09/25/2008	11:32:08	0.051
13113	09/25/2008	11:32:09	0.062
13114	09/25/2008	11:32:10	0.047
13115	09/25/2008	11:32:11	0.052
13116	09/25/2008	11:32:12	0.053
13117	09/25/2008	11:32:13	0.051
13118	09/25/2008	11:32:14	0.050
13119	09/25/2008	11:32:15	0.048
13120	09/25/2008	11:32:16	0.052
13121	09/25/2008	11:32:17	0.049
13122	09/25/2008	11:32:18	0.042
13123	09/25/2008	11:32:19	0.048
13124	09/25/2008	11:32:20	0.076
13125	09/25/2008	11:32:21	0.060
13126	09/25/2008	11:32:22	0.048
13127	09/25/2008	11:32:23	0.054
13128	09/25/2008	11:32:24	0.050
13129	09/25/2008	11:32:25	0.048
13130	09/25/2008	11:32:26	0.051
13131	09/25/2008	11:32:27	0.048
13132	09/25/2008	11:32:28	0.048
13133	09/25/2008	11:32:29	0.056

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
13134	09/25/2008	11:32:30	0.074
13135	09/25/2008	11:32:31	0.055
13136	09/25/2008	11:32:32	0.058
13137	09/25/2008	11:32:33	0.050
13138	09/25/2008	11:32:34	0.055
13139	09/25/2008	11:32:35	0.048
13140	09/25/2008	11:32:36	0.046
13141	09/25/2008	11:32:37	0.044
13142	09/25/2008	11:32:38	0.053
13143	09/25/2008	11:32:39	0.049
13144	09/25/2008	11:32:40	0.052
13145	09/25/2008	11:32:41	0.059
13146	09/25/2008	11:32:42	0.050
13147	09/25/2008	11:32:43	0.056
13148	09/25/2008	11:32:44	0.048
13149	09/25/2008	11:32:45	0.048
13150	09/25/2008	11:32:46	0.068
13151	09/25/2008	11:32:47	0.070
13152	09/25/2008	11:32:48	0.052
13153	09/25/2008	11:32:49	0.071
13154	09/25/2008	11:32:50	0.048
13155	09/25/2008	11:32:51	0.051
13156	09/25/2008	11:32:52	0.060
13157	09/25/2008	11:32:53	0.090
13158	09/25/2008	11:32:54	0.056
13159	09/25/2008	11:32:55	0.059
13160	09/25/2008	11:32:56	0.055
13161	09/25/2008	11:32:57	0.054
13162	09/25/2008	11:32:58	0.046
13163	09/25/2008	11:32:59	0.050
13164	09/25/2008	11:33:00	0.050
13165	09/25/2008	11:33:01	0.054
13166	09/25/2008	11:33:02	0.050
13167	09/25/2008	11:33:03	0.049
13168	09/25/2008	11:33:04	0.054
13169	09/25/2008	11:33:05	0.053
13170	09/25/2008	11:33:06	0.069
13171	09/25/2008	11:33:07	0.053
13172	09/25/2008	11:33:08	0.046
13173	09/25/2008	11:33:09	0.052
13174	09/25/2008	11:33:10	0.051
13175	09/25/2008	11:33:11	0.052
13176	09/25/2008	11:33:12	0.049
13177	09/25/2008	11:33:13	0.051
13178	09/25/2008	11:33:14	0.054
13179	09/25/2008	11:33:15	0.051
13180	09/25/2008	11:33:16	0.049
13181	09/25/2008	11:33:17	0.062
13182	09/25/2008	11:33:18	0.056
13183	09/25/2008	11:33:19	0.058
13184	09/25/2008	11:33:20	0.047
13185	09/25/2008	11:33:21	0.107
13186	09/25/2008	11:33:22	0.102
13187	09/25/2008	11:33:23	0.115
13188	09/25/2008	11:33:24	0.102

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
13189	09/25/2008	11:33:25	0.121
13190	09/25/2008	11:33:26	0.064
13191	09/25/2008	11:33:27	0.156
13192	09/25/2008	11:33:28	0.080
13193	09/25/2008	11:33:29	0.077
13194	09/25/2008	11:33:30	0.097
13195	09/25/2008	11:33:31	0.132
13196	09/25/2008	11:33:32	0.064
13197	09/25/2008	11:33:33	0.067
13198	09/25/2008	11:33:34	0.082
13199	09/25/2008	11:33:35	0.079
13200	09/25/2008	11:33:36	0.074
13201	09/25/2008	11:33:37	0.151
13202	09/25/2008	11:33:38	0.062
13203	09/25/2008	11:33:39	0.054
13204	09/25/2008	11:33:40	0.090
13205	09/25/2008	11:33:41	0.073
13206	09/25/2008	11:33:42	0.107
13207	09/25/2008	11:33:43	0.059
13208	09/25/2008	11:33:44	0.058
13209	09/25/2008	11:33:45	0.052
13210	09/25/2008	11:33:46	0.055
13211	09/25/2008	11:33:47	0.050
13212	09/25/2008	11:33:48	0.051
13213	09/25/2008	11:33:49	0.054
13214	09/25/2008	11:33:50	0.069
13215	09/25/2008	11:33:51	0.054
13216	09/25/2008	11:33:52	0.051
13217	09/25/2008	11:33:53	0.049
13218	09/25/2008	11:33:54	0.050
13219	09/25/2008	11:33:55	0.045
13220	09/25/2008	11:33:56	0.050
13221	09/25/2008	11:33:57	0.047
13222	09/25/2008	11:33:58	0.046
13223	09/25/2008	11:33:59	0.049
13224	09/25/2008	11:34:00	0.045
13225	09/25/2008	11:34:01	0.053
13226	09/25/2008	11:34:02	0.058
13227	09/25/2008	11:34:03	0.057
13228	09/25/2008	11:34:04	0.052
13229	09/25/2008	11:34:05	0.051
13230	09/25/2008	11:34:06	0.050
13231	09/25/2008	11:34:07	0.046
13232	09/25/2008	11:34:08	0.048
13233	09/25/2008	11:34:09	0.046
13234	09/25/2008	11:34:10	0.050
13235	09/25/2008	11:34:11	0.050
13236	09/25/2008	11:34:12	0.045
13237	09/25/2008	11:34:13	0.056
13238	09/25/2008	11:34:14	0.052
13239	09/25/2008	11:34:15	0.054
13240	09/25/2008	11:34:16	0.048
13241	09/25/2008	11:34:17	0.053
13242	09/25/2008	11:34:18	0.048
13243	09/25/2008	11:34:19	0.051

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
13244	09/25/2008	11:34:20	0.050
13245	09/25/2008	11:34:21	0.053
13246	09/25/2008	11:34:22	0.052
13247	09/25/2008	11:34:23	0.055
13248	09/25/2008	11:34:24	0.051
13249	09/25/2008	11:34:25	0.046
13250	09/25/2008	11:34:26	0.050
13251	09/25/2008	11:34:27	0.061
13252	09/25/2008	11:34:28	0.057
13253	09/25/2008	11:34:29	0.075
13254	09/25/2008	11:34:30	0.056
13255	09/25/2008	11:34:31	0.071
13256	09/25/2008	11:34:32	0.119
13257	09/25/2008	11:34:33	0.106
13258	09/25/2008	11:34:34	0.111
13259	09/25/2008	11:34:35	0.067
13260	09/25/2008	11:34:36	0.055
13261	09/25/2008	11:34:37	0.055
13262	09/25/2008	11:34:38	0.052
13263	09/25/2008	11:34:39	0.058
13264	09/25/2008	11:34:40	0.051
13265	09/25/2008	11:34:41	0.052
13266	09/25/2008	11:34:42	0.051
13267	09/25/2008	11:34:43	0.051
13268	09/25/2008	11:34:44	0.055
13269	09/25/2008	11:34:45	0.054
13270	09/25/2008	11:34:46	0.053
13271	09/25/2008	11:34:47	0.050
13272	09/25/2008	11:34:48	0.059
13273	09/25/2008	11:34:49	0.050
13274	09/25/2008	11:34:50	0.062
13275	09/25/2008	11:34:51	0.052
13276	09/25/2008	11:34:52	0.048
13277	09/25/2008	11:34:53	0.047
13278	09/25/2008	11:34:54	0.050
13279	09/25/2008	11:34:55	0.046
13280	09/25/2008	11:34:56	0.049
13281	09/25/2008	11:34:57	0.054
13282	09/25/2008	11:34:58	0.051
13283	09/25/2008	11:34:59	0.051
13284	09/25/2008	11:35:00	0.049
13285	09/25/2008	11:35:01	0.051
13286	09/25/2008	11:35:02	0.055
13287	09/25/2008	11:35:03	0.056
13288	09/25/2008	11:35:04	0.051
13289	09/25/2008	11:35:05	0.051
13290	09/25/2008	11:35:06	0.046
13291	09/25/2008	11:35:07	0.049
13292	09/25/2008	11:35:08	0.048
13293	09/25/2008	11:35:09	0.049
13294	09/25/2008	11:35:10	0.051
13295	09/25/2008	11:35:11	0.050
13296	09/25/2008	11:35:12	0.048
13297	09/25/2008	11:35:13	0.049
13298	09/25/2008	11:35:14	0.055

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
13299	09/25/2008	11:35:15	0.045
13300	09/25/2008	11:35:16	0.048
13301	09/25/2008	11:35:17	0.073
13302	09/25/2008	11:35:18	0.050
13303	09/25/2008	11:35:19	0.048
13304	09/25/2008	11:35:20	0.053
13305	09/25/2008	11:35:21	0.049
13306	09/25/2008	11:35:22	0.048
13307	09/25/2008	11:35:23	0.052
13308	09/25/2008	11:35:24	0.049
13309	09/25/2008	11:35:25	0.056
13310	09/25/2008	11:35:26	0.045
13311	09/25/2008	11:35:27	0.054
13312	09/25/2008	11:35:28	0.045
13313	09/25/2008	11:35:29	0.051
13314	09/25/2008	11:35:30	0.051
13315	09/25/2008	11:35:31	0.116
13316	09/25/2008	11:35:32	0.051
13317	09/25/2008	11:35:33	0.049
13318	09/25/2008	11:35:34	0.047
13319	09/25/2008	11:35:35	0.046
13320	09/25/2008	11:35:36	0.051
13321	09/25/2008	11:35:37	0.046
13322	09/25/2008	11:35:38	0.050
13323	09/25/2008	11:35:39	0.055
13324	09/25/2008	11:35:40	0.048
13325	09/25/2008	11:35:41	0.049
13326	09/25/2008	11:35:42	0.053
13327	09/25/2008	11:35:43	0.054
13328	09/25/2008	11:35:44	0.050
13329	09/25/2008	11:35:45	0.053
13330	09/25/2008	11:35:46	0.046
13331	09/25/2008	11:35:47	0.050
13332	09/25/2008	11:35:48	0.056
13333	09/25/2008	11:35:49	0.050
13334	09/25/2008	11:35:50	0.049
13335	09/25/2008	11:35:51	0.059
13336	09/25/2008	11:35:52	0.052
13337	09/25/2008	11:35:53	0.048
13338	09/25/2008	11:35:54	0.045
13339	09/25/2008	11:35:55	0.055
13340	09/25/2008	11:35:56	0.051
13341	09/25/2008	11:35:57	0.050
13342	09/25/2008	11:35:58	0.058
13343	09/25/2008	11:35:59	0.107
13344	09/25/2008	11:36:00	0.106
13345	09/25/2008	11:36:01	0.051
13346	09/25/2008	11:36:02	0.057
13347	09/25/2008	11:36:03	0.053
13348	09/25/2008	11:36:04	0.048
13349	09/25/2008	11:36:05	0.049
13350	09/25/2008	11:36:06	0.056
13351	09/25/2008	11:36:07	0.050
13352	09/25/2008	11:36:08	0.055
13353	09/25/2008	11:36:09	0.056

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
13354	09/25/2008	11:36:10	0.053
13355	09/25/2008	11:36:11	0.050
13356	09/25/2008	11:36:12	0.047
13357	09/25/2008	11:36:13	0.047
13358	09/25/2008	11:36:14	0.049
13359	09/25/2008	11:36:15	0.051
13360	09/25/2008	11:36:16	0.052
13361	09/25/2008	11:36:17	0.054
13362	09/25/2008	11:36:18	0.068
13363	09/25/2008	11:36:19	0.047
13364	09/25/2008	11:36:20	0.063
13365	09/25/2008	11:36:21	0.052
13366	09/25/2008	11:36:22	0.114
13367	09/25/2008	11:36:23	0.070
13368	09/25/2008	11:36:24	0.050
13369	09/25/2008	11:36:25	0.051
13370	09/25/2008	11:36:26	0.053
13371	09/25/2008	11:36:27	0.051
13372	09/25/2008	11:36:28	0.054
13373	09/25/2008	11:36:29	0.052
13374	09/25/2008	11:36:30	0.056
13375	09/25/2008	11:36:31	0.049
13376	09/25/2008	11:36:32	0.054
13377	09/25/2008	11:36:33	0.054
13378	09/25/2008	11:36:34	0.057
13379	09/25/2008	11:36:35	0.052
13380	09/25/2008	11:36:36	0.050
13381	09/25/2008	11:36:37	0.053
13382	09/25/2008	11:36:38	0.046
13383	09/25/2008	11:36:39	0.049
13384	09/25/2008	11:36:40	0.046
13385	09/25/2008	11:36:41	0.057
13386	09/25/2008	11:36:42	0.046
13387	09/25/2008	11:36:43	0.051
13388	09/25/2008	11:36:44	0.057
13389	09/25/2008	11:36:45	0.049
13390	09/25/2008	11:36:46	0.048
13391	09/25/2008	11:36:47	0.054
13392	09/25/2008	11:36:48	0.053
13393	09/25/2008	11:36:49	0.060
13394	09/25/2008	11:36:50	0.049
13395	09/25/2008	11:36:51	0.049
13396	09/25/2008	11:36:52	0.051
13397	09/25/2008	11:36:53	0.053
13398	09/25/2008	11:36:54	0.051
13399	09/25/2008	11:36:55	0.050
13400	09/25/2008	11:36:56	0.051
13401	09/25/2008	11:36:57	0.053
13402	09/25/2008	11:36:58	0.049
13403	09/25/2008	11:36:59	0.044
13404	09/25/2008	11:37:00	0.048
13405	09/25/2008	11:37:01	0.050
13406	09/25/2008	11:37:02	0.048
13407	09/25/2008	11:37:03	0.050
13408	09/25/2008	11:37:04	0.049

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
13409	09/25/2008	11:37:05	0.051
13410	09/25/2008	11:37:06	0.057
13411	09/25/2008	11:37:07	0.048
13412	09/25/2008	11:37:08	0.052
13413	09/25/2008	11:37:09	0.056
13414	09/25/2008	11:37:10	0.048
13415	09/25/2008	11:37:11	0.056
13416	09/25/2008	11:37:12	0.050
13417	09/25/2008	11:37:13	0.055
13418	09/25/2008	11:37:14	0.055
13419	09/25/2008	11:37:15	0.052
13420	09/25/2008	11:37:16	0.048
13421	09/25/2008	11:37:17	0.050
13422	09/25/2008	11:37:18	0.054
13423	09/25/2008	11:37:19	0.048
13424	09/25/2008	11:37:20	0.049
13425	09/25/2008	11:37:21	0.054
13426	09/25/2008	11:37:22	0.051
13427	09/25/2008	11:37:23	0.050
13428	09/25/2008	11:37:24	0.052
13429	09/25/2008	11:37:25	0.056
13430	09/25/2008	11:37:26	0.046
13431	09/25/2008	11:37:27	0.051
13432	09/25/2008	11:37:28	0.053
13433	09/25/2008	11:37:29	0.050
13434	09/25/2008	11:37:30	0.049
13435	09/25/2008	11:37:31	0.050
13436	09/25/2008	11:37:32	0.050
13437	09/25/2008	11:37:33	0.050
13438	09/25/2008	11:37:34	0.049
13439	09/25/2008	11:37:35	0.048
13440	09/25/2008	11:37:36	0.051
13441	09/25/2008	11:37:37	0.049
13442	09/25/2008	11:37:38	0.056
13443	09/25/2008	11:37:39	0.052
13444	09/25/2008	11:37:40	0.051
13445	09/25/2008	11:37:41	0.050
13446	09/25/2008	11:37:42	0.047
13447	09/25/2008	11:37:43	0.054
13448	09/25/2008	11:37:44	0.052
13449	09/25/2008	11:37:45	0.054
13450	09/25/2008	11:37:46	0.054
13451	09/25/2008	11:37:47	0.049
13452	09/25/2008	11:37:48	0.051
13453	09/25/2008	11:37:49	0.053
13454	09/25/2008	11:37:50	0.054
13455	09/25/2008	11:37:51	0.048
13456	09/25/2008	11:37:52	0.048
13457	09/25/2008	11:37:53	0.055
13458	09/25/2008	11:37:54	0.052
13459	09/25/2008	11:37:55	0.047
13460	09/25/2008	11:37:56	0.049
13461	09/25/2008	11:37:57	0.054
13462	09/25/2008	11:37:58	0.098
13463	09/25/2008	11:37:59	0.058

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
13464	09/25/2008	11:38:00	0.058
13465	09/25/2008	11:38:01	0.048
13466	09/25/2008	11:38:02	0.050
13467	09/25/2008	11:38:03	0.048
13468	09/25/2008	11:38:04	0.060
13469	09/25/2008	11:38:05	0.050
13470	09/25/2008	11:38:06	0.061
13471	09/25/2008	11:38:07	0.051
13472	09/25/2008	11:38:08	0.054
13473	09/25/2008	11:38:09	0.054
13474	09/25/2008	11:38:10	0.053
13475	09/25/2008	11:38:11	0.056
13476	09/25/2008	11:38:12	0.049
13477	09/25/2008	11:38:13	0.052
13478	09/25/2008	11:38:14	0.065
13479	09/25/2008	11:38:15	0.047
13480	09/25/2008	11:38:16	0.053
13481	09/25/2008	11:38:17	0.053
13482	09/25/2008	11:38:18	0.049
13483	09/25/2008	11:38:19	0.054
13484	09/25/2008	11:38:20	0.053
13485	09/25/2008	11:38:21	0.057
13486	09/25/2008	11:38:22	0.060
13487	09/25/2008	11:38:23	0.055
13488	09/25/2008	11:38:24	0.052
13489	09/25/2008	11:38:25	0.048
13490	09/25/2008	11:38:26	0.052
13491	09/25/2008	11:38:27	0.047
13492	09/25/2008	11:38:28	0.058
13493	09/25/2008	11:38:29	0.057
13494	09/25/2008	11:38:30	0.051
13495	09/25/2008	11:38:31	0.049
13496	09/25/2008	11:38:32	0.059
13497	09/25/2008	11:38:33	0.050
13498	09/25/2008	11:38:34	0.053
13499	09/25/2008	11:38:35	0.050
13500	09/25/2008	11:38:36	0.048
13501	09/25/2008	11:38:37	0.046
13502	09/25/2008	11:38:38	0.056
13503	09/25/2008	11:38:39	0.049
13504	09/25/2008	11:38:40	0.052
13505	09/25/2008	11:38:41	0.052
13506	09/25/2008	11:38:42	0.051
13507	09/25/2008	11:38:43	0.053
13508	09/25/2008	11:38:44	0.048
13509	09/25/2008	11:38:45	0.049
13510	09/25/2008	11:38:46	0.052
13511	09/25/2008	11:38:47	0.054
13512	09/25/2008	11:38:48	0.049
13513	09/25/2008	11:38:49	0.053
13514	09/25/2008	11:38:50	0.046
13515	09/25/2008	11:38:51	0.054
13516	09/25/2008	11:38:52	0.056
13517	09/25/2008	11:38:53	0.050
13518	09/25/2008	11:38:54	0.053



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
13519	09/25/2008	11:38:55	0.129
13520	09/25/2008	11:38:56	0.194
13521	09/25/2008	11:38:57	0.051
13522	09/25/2008	11:38:58	0.050
13523	09/25/2008	11:38:59	0.049
13524	09/25/2008	11:39:00	0.055
13525	09/25/2008	11:39:01	0.054
13526	09/25/2008	11:39:02	0.052
13527	09/25/2008	11:39:03	0.057
13528	09/25/2008	11:39:04	0.047
13529	09/25/2008	11:39:05	0.053
13530	09/25/2008	11:39:06	0.050
13531	09/25/2008	11:39:07	0.058
13532	09/25/2008	11:39:08	0.045
13533	09/25/2008	11:39:09	0.052
13534	09/25/2008	11:39:10	0.051
13535	09/25/2008	11:39:11	0.051
13536	09/25/2008	11:39:12	0.051
13537	09/25/2008	11:39:13	0.056
13538	09/25/2008	11:39:14	0.054
13539	09/25/2008	11:39:15	0.054
13540	09/25/2008	11:39:16	0.052
13541	09/25/2008	11:39:17	0.047
13542	09/25/2008	11:39:18	0.047
13543	09/25/2008	11:39:19	0.055
13544	09/25/2008	11:39:20	0.047
13545	09/25/2008	11:39:21	0.050
13546	09/25/2008	11:39:22	0.053
13547	09/25/2008	11:39:23	0.052
13548	09/25/2008	11:39:24	0.048
13549	09/25/2008	11:39:25	0.051
13550	09/25/2008	11:39:26	0.049
13551	09/25/2008	11:39:27	0.049
13552	09/25/2008	11:39:28	0.048
13553	09/25/2008	11:39:29	0.055
13554	09/25/2008	11:39:30	0.047
13555	09/25/2008	11:39:31	0.052
13556	09/25/2008	11:39:32	0.072
13557	09/25/2008	11:39:33	0.055
13558	09/25/2008	11:39:34	0.053
13559	09/25/2008	11:39:35	0.052
13560	09/25/2008	11:39:36	0.050
13561	09/25/2008	11:39:37	0.056
13562	09/25/2008	11:39:38	0.050
13563	09/25/2008	11:39:39	0.054
13564	09/25/2008	11:39:40	0.053
13565	09/25/2008	11:39:41	0.051
13566	09/25/2008	11:39:42	0.049
13567	09/25/2008	11:39:43	0.099
13568	09/25/2008	11:39:44	0.053
13569	09/25/2008	11:39:45	0.050
13570	09/25/2008	11:39:46	0.051
13571	09/25/2008	11:39:47	0.050
13572	09/25/2008	11:39:48	0.049
13573	09/25/2008	11:39:49	0.049

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
13574	09/25/2008	11:39:50	0.047
13575	09/25/2008	11:39:51	0.053
13576	09/25/2008	11:39:52	0.060
13577	09/25/2008	11:39:53	0.050
13578	09/25/2008	11:39:54	0.052
13579	09/25/2008	11:39:55	0.053
13580	09/25/2008	11:39:56	0.063
13581	09/25/2008	11:39:57	0.088
13582	09/25/2008	11:39:58	0.063
13583	09/25/2008	11:39:59	0.068
13584	09/25/2008	11:40:00	0.056
13585	09/25/2008	11:40:01	0.077
13586	09/25/2008	11:40:02	0.057
13587	09/25/2008	11:40:03	0.055
13588	09/25/2008	11:40:04	0.056
13589	09/25/2008	11:40:05	0.050
13590	09/25/2008	11:40:06	0.051
13591	09/25/2008	11:40:07	0.050
13592	09/25/2008	11:40:08	0.060
13593	09/25/2008	11:40:09	0.053
13594	09/25/2008	11:40:10	0.049
13595	09/25/2008	11:40:11	0.049
13596	09/25/2008	11:40:12	0.057
13597	09/25/2008	11:40:13	0.051
13598	09/25/2008	11:40:14	0.049
13599	09/25/2008	11:40:15	0.049
13600	09/25/2008	11:40:16	0.061
13601	09/25/2008	11:40:17	0.053
13602	09/25/2008	11:40:18	0.050
13603	09/25/2008	11:40:19	0.051
13604	09/25/2008	11:40:20	0.051
13605	09/25/2008	11:40:21	0.051
13606	09/25/2008	11:40:22	0.048
13607	09/25/2008	11:40:23	0.048
13608	09/25/2008	11:40:24	0.052
13609	09/25/2008	11:40:25	0.055
13610	09/25/2008	11:40:26	0.056
13611	09/25/2008	11:40:27	0.054
13612	09/25/2008	11:40:28	0.060
13613	09/25/2008	11:40:29	0.054
13614	09/25/2008	11:40:30	0.089
13615	09/25/2008	11:40:31	0.048
13616	09/25/2008	11:40:32	0.058
13617	09/25/2008	11:40:33	0.052
13618	09/25/2008	11:40:34	0.055
13619	09/25/2008	11:40:35	0.048
13620	09/25/2008	11:40:36	0.050
13621	09/25/2008	11:40:37	0.052
13622	09/25/2008	11:40:38	0.051
13623	09/25/2008	11:40:39	0.049
13624	09/25/2008	11:40:40	0.047
13625	09/25/2008	11:40:41	0.062
13626	09/25/2008	11:40:42	0.065
13627	09/25/2008	11:40:43	0.050
13628	09/25/2008	11:40:44	0.051

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
13629	09/25/2008	11:40:45	0.051
13630	09/25/2008	11:40:46	0.047
13631	09/25/2008	11:40:47	0.051
13632	09/25/2008	11:40:48	0.050
13633	09/25/2008	11:40:49	0.054
13634	09/25/2008	11:40:50	0.082
13635	09/25/2008	11:40:51	0.051
13636	09/25/2008	11:40:52	0.052
13637	09/25/2008	11:40:53	0.056
13638	09/25/2008	11:40:54	0.049
13639	09/25/2008	11:40:55	0.049
13640	09/25/2008	11:40:56	0.047
13641	09/25/2008	11:40:57	0.052
13642	09/25/2008	11:40:58	0.053
13643	09/25/2008	11:40:59	0.053
13644	09/25/2008	11:41:00	0.052
13645	09/25/2008	11:41:01	0.055
13646	09/25/2008	11:41:02	0.048
13647	09/25/2008	11:41:03	0.128
13648	09/25/2008	11:41:04	0.050
13649	09/25/2008	11:41:05	0.050
13650	09/25/2008	11:41:06	0.054
13651	09/25/2008	11:41:07	0.046
13652	09/25/2008	11:41:08	0.051
13653	09/25/2008	11:41:09	0.056
13654	09/25/2008	11:41:10	0.051
13655	09/25/2008	11:41:11	0.050
13656	09/25/2008	11:41:12	0.056
13657	09/25/2008	11:41:13	0.049
13658	09/25/2008	11:41:14	0.048
13659	09/25/2008	11:41:15	0.050
13660	09/25/2008	11:41:16	0.055
13661	09/25/2008	11:41:17	0.048
13662	09/25/2008	11:41:18	0.057
13663	09/25/2008	11:41:19	0.048
13664	09/25/2008	11:41:20	0.052
13665	09/25/2008	11:41:21	0.055
13666	09/25/2008	11:41:22	0.049
13667	09/25/2008	11:41:23	0.050
13668	09/25/2008	11:41:24	0.049
13669	09/25/2008	11:41:25	0.051
13670	09/25/2008	11:41:26	0.049
13671	09/25/2008	11:41:27	0.049
13672	09/25/2008	11:41:28	0.054
13673	09/25/2008	11:41:29	0.048
13674	09/25/2008	11:41:30	0.056
13675	09/25/2008	11:41:31	0.101
13676	09/25/2008	11:41:32	0.053
13677	09/25/2008	11:41:33	0.049
13678	09/25/2008	11:41:34	0.050
13679	09/25/2008	11:41:35	0.047
13680	09/25/2008	11:41:36	0.051
13681	09/25/2008	11:41:37	0.052
13682	09/25/2008	11:41:38	0.049
13683	09/25/2008	11:41:39	0.054

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
13684	09/25/2008	11:41:40	0.048
13685	09/25/2008	11:41:41	0.068
13686	09/25/2008	11:41:42	0.056
13687	09/25/2008	11:41:43	0.052
13688	09/25/2008	11:41:44	0.053
13689	09/25/2008	11:41:45	0.052
13690	09/25/2008	11:41:46	0.053
13691	09/25/2008	11:41:47	0.058
13692	09/25/2008	11:41:48	0.056
13693	09/25/2008	11:41:49	0.081
13694	09/25/2008	11:41:50	0.049
13695	09/25/2008	11:41:51	0.051
13696	09/25/2008	11:41:52	0.051
13697	09/25/2008	11:41:53	0.056
13698	09/25/2008	11:41:54	0.078
13699	09/25/2008	11:41:55	0.054
13700	09/25/2008	11:41:56	0.059
13701	09/25/2008	11:41:57	0.051
13702	09/25/2008	11:41:58	0.058
13703	09/25/2008	11:41:59	0.056
13704	09/25/2008	11:42:00	0.071
13705	09/25/2008	11:42:01	0.053
13706	09/25/2008	11:42:02	0.050
13707	09/25/2008	11:42:03	0.053
13708	09/25/2008	11:42:04	0.057
13709	09/25/2008	11:42:05	0.053
13710	09/25/2008	11:42:06	0.050
13711	09/25/2008	11:42:07	0.053
13712	09/25/2008	11:42:08	0.050
13713	09/25/2008	11:42:09	0.059
13714	09/25/2008	11:42:10	0.054
13715	09/25/2008	11:42:11	0.051
13716	09/25/2008	11:42:12	0.065
13717	09/25/2008	11:42:13	0.077
13718	09/25/2008	11:42:14	0.066
13719	09/25/2008	11:42:15	0.074
13720	09/25/2008	11:42:16	0.084
13721	09/25/2008	11:42:17	0.058
13722	09/25/2008	11:42:18	0.056
13723	09/25/2008	11:42:19	0.059
13724	09/25/2008	11:42:20	0.076
13725	09/25/2008	11:42:21	0.051
13726	09/25/2008	11:42:22	0.050
13727	09/25/2008	11:42:23	0.053
13728	09/25/2008	11:42:24	0.069
13729	09/25/2008	11:42:25	0.067
13730	09/25/2008	11:42:26	0.084
13731	09/25/2008	11:42:27	0.068
13732	09/25/2008	11:42:28	0.067
13733	09/25/2008	11:42:29	0.082
13734	09/25/2008	11:42:30	0.066
13735	09/25/2008	11:42:31	0.057
13736	09/25/2008	11:42:32	0.065
13737	09/25/2008	11:42:33	0.052
13738	09/25/2008	11:42:34	0.051

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
13739	09/25/2008	11:42:35	0.050
13740	09/25/2008	11:42:36	0.050
13741	09/25/2008	11:42:37	0.052
13742	09/25/2008	11:42:38	0.059
13743	09/25/2008	11:42:39	0.052
13744	09/25/2008	11:42:40	0.052
13745	09/25/2008	11:42:41	0.051
13746	09/25/2008	11:42:42	0.050
13747	09/25/2008	11:42:43	0.056
13748	09/25/2008	11:42:44	0.062
13749	09/25/2008	11:42:45	0.051
13750	09/25/2008	11:42:46	0.057
13751	09/25/2008	11:42:47	0.053
13752	09/25/2008	11:42:48	0.055
13753	09/25/2008	11:42:49	0.059
13754	09/25/2008	11:42:50	0.055
13755	09/25/2008	11:42:51	0.052
13756	09/25/2008	11:42:52	0.048
13757	09/25/2008	11:42:53	0.048
13758	09/25/2008	11:42:54	0.062
13759	09/25/2008	11:42:55	0.051
13760	09/25/2008	11:42:56	0.077
13761	09/25/2008	11:42:57	0.049
13762	09/25/2008	11:42:58	0.052
13763	09/25/2008	11:42:59	0.047
13764	09/25/2008	11:43:00	0.051
13765	09/25/2008	11:43:01	0.054
13766	09/25/2008	11:43:02	0.056
13767	09/25/2008	11:43:03	0.051
13768	09/25/2008	11:43:04	0.056
13769	09/25/2008	11:43:05	0.057
13770	09/25/2008	11:43:06	0.054
13771	09/25/2008	11:43:07	0.049
13772	09/25/2008	11:43:08	0.052
13773	09/25/2008	11:43:09	0.048
13774	09/25/2008	11:43:10	0.055
13775	09/25/2008	11:43:11	0.056
13776	09/25/2008	11:43:12	0.062
13777	09/25/2008	11:43:13	0.052
13778	09/25/2008	11:43:14	0.065
13779	09/25/2008	11:43:15	0.052
13780	09/25/2008	11:43:16	0.053
13781	09/25/2008	11:43:17	0.053
13782	09/25/2008	11:43:18	0.055
13783	09/25/2008	11:43:19	0.047
13784	09/25/2008	11:43:20	0.048
13785	09/25/2008	11:43:21	0.046
13786	09/25/2008	11:43:22	0.048
13787	09/25/2008	11:43:23	0.051
13788	09/25/2008	11:43:24	0.058
13789	09/25/2008	11:43:25	0.050
13790	09/25/2008	11:43:26	0.055
13791	09/25/2008	11:43:27	0.056
13792	09/25/2008	11:43:28	0.057
13793	09/25/2008	11:43:29	0.056

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
13794	09/25/2008	11:43:30	0.054
13795	09/25/2008	11:43:31	0.049
13796	09/25/2008	11:43:32	0.053
13797	09/25/2008	11:43:33	0.050
13798	09/25/2008	11:43:34	0.058
13799	09/25/2008	11:43:35	0.095
13800	09/25/2008	11:43:36	0.068
13801	09/25/2008	11:43:37	0.078
13802	09/25/2008	11:43:38	0.061
13803	09/25/2008	11:43:39	0.057
13804	09/25/2008	11:43:40	0.050
13805	09/25/2008	11:43:41	0.055
13806	09/25/2008	11:43:42	0.052
13807	09/25/2008	11:43:43	0.058
13808	09/25/2008	11:43:44	0.051
13809	09/25/2008	11:43:45	0.059
13810	09/25/2008	11:43:46	0.057
13811	09/25/2008	11:43:47	0.049
13812	09/25/2008	11:43:48	0.052
13813	09/25/2008	11:43:49	0.051
13814	09/25/2008	11:43:50	0.050
13815	09/25/2008	11:43:51	0.055
13816	09/25/2008	11:43:52	0.056
13817	09/25/2008	11:43:53	0.053
13818	09/25/2008	11:43:54	0.052
13819	09/25/2008	11:43:55	0.054
13820	09/25/2008	11:43:56	0.053
13821	09/25/2008	11:43:57	0.057
13822	09/25/2008	11:43:58	0.055
13823	09/25/2008	11:43:59	0.049
13824	09/25/2008	11:44:00	0.054
13825	09/25/2008	11:44:01	0.049
13826	09/25/2008	11:44:02	0.057
13827	09/25/2008	11:44:03	0.054
13828	09/25/2008	11:44:04	0.055
13829	09/25/2008	11:44:05	0.051
13830	09/25/2008	11:44:06	0.050
13831	09/25/2008	11:44:07	0.052
13832	09/25/2008	11:44:08	0.055
13833	09/25/2008	11:44:09	0.061
13834	09/25/2008	11:44:10	0.060
13835	09/25/2008	11:44:11	0.068
13836	09/25/2008	11:44:12	0.052
13837	09/25/2008	11:44:13	0.061
13838	09/25/2008	11:44:14	0.061
13839	09/25/2008	11:44:15	0.058
13840	09/25/2008	11:44:16	0.053
13841	09/25/2008	11:44:17	0.057
13842	09/25/2008	11:44:18	0.049
13843	09/25/2008	11:44:19	0.049
13844	09/25/2008	11:44:20	0.054
13845	09/25/2008	11:44:21	0.055
13846	09/25/2008	11:44:22	0.057
13847	09/25/2008	11:44:23	0.050
13848	09/25/2008	11:44:24	0.056

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
13849	09/25/2008	11:44:25	0.052
13850	09/25/2008	11:44:26	0.056
13851	09/25/2008	11:44:27	0.060
13852	09/25/2008	11:44:28	0.050
13853	09/25/2008	11:44:29	0.054
13854	09/25/2008	11:44:30	0.056
13855	09/25/2008	11:44:31	0.051
13856	09/25/2008	11:44:32	0.051
13857	09/25/2008	11:44:33	0.060
13858	09/25/2008	11:44:34	0.053
13859	09/25/2008	11:44:35	0.054
13860	09/25/2008	11:44:36	0.047
13861	09/25/2008	11:44:37	0.049
13862	09/25/2008	11:44:38	0.058
13863	09/25/2008	11:44:39	0.051
13864	09/25/2008	11:44:40	0.049
13865	09/25/2008	11:44:41	0.054
13866	09/25/2008	11:44:42	0.050
13867	09/25/2008	11:44:43	0.055
13868	09/25/2008	11:44:44	0.076
13869	09/25/2008	11:44:45	0.059
13870	09/25/2008	11:44:46	0.050
13871	09/25/2008	11:44:47	0.062
13872	09/25/2008	11:44:48	0.061
13873	09/25/2008	11:44:49	0.051
13874	09/25/2008	11:44:50	0.048
13875	09/25/2008	11:44:51	0.049
13876	09/25/2008	11:44:52	0.062
13877	09/25/2008	11:44:53	0.051
13878	09/25/2008	11:44:54	0.054
13879	09/25/2008	11:44:55	0.059
13880	09/25/2008	11:44:56	0.050
13881	09/25/2008	11:44:57	0.049
13882	09/25/2008	11:44:58	0.049
13883	09/25/2008	11:44:59	0.048
13884	09/25/2008	11:45:00	0.049
13885	09/25/2008	11:45:01	0.047
13886	09/25/2008	11:45:02	0.054
13887	09/25/2008	11:45:03	0.082
13888	09/25/2008	11:45:04	0.072
13889	09/25/2008	11:45:05	0.068
13890	09/25/2008	11:45:06	0.061
13891	09/25/2008	11:45:07	0.051
13892	09/25/2008	11:45:08	0.059
13893	09/25/2008	11:45:09	0.050
13894	09/25/2008	11:45:10	0.050
13895	09/25/2008	11:45:11	0.053
13896	09/25/2008	11:45:12	0.049
13897	09/25/2008	11:45:13	0.055
13898	09/25/2008	11:45:14	0.075
13899	09/25/2008	11:45:15	0.064
13900	09/25/2008	11:45:16	0.058
13901	09/25/2008	11:45:17	0.055
13902	09/25/2008	11:45:18	0.063
13903	09/25/2008	11:45:19	0.068

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
13904	09/25/2008	11:45:20	0.052
13905	09/25/2008	11:45:21	0.051
13906	09/25/2008	11:45:22	0.058
13907	09/25/2008	11:45:23	0.076
13908	09/25/2008	11:45:24	0.064
13909	09/25/2008	11:45:25	0.066
13910	09/25/2008	11:45:26	0.055
13911	09/25/2008	11:45:27	0.058
13912	09/25/2008	11:45:28	0.076
13913	09/25/2008	11:45:29	0.076
13914	09/25/2008	11:45:30	0.169
13915	09/25/2008	11:45:31	0.105
13916	09/25/2008	11:45:32	0.074
13917	09/25/2008	11:45:33	0.067
13918	09/25/2008	11:45:34	0.055
13919	09/25/2008	11:45:35	0.174
13920	09/25/2008	11:45:36	0.050
13921	09/25/2008	11:45:37	0.055
13922	09/25/2008	11:45:38	0.052
13923	09/25/2008	11:45:39	0.049
13924	09/25/2008	11:45:40	0.052
13925	09/25/2008	11:45:41	0.054
13926	09/25/2008	11:45:42	0.052
13927	09/25/2008	11:45:43	0.053
13928	09/25/2008	11:45:44	0.056
13929	09/25/2008	11:45:45	0.063
13930	09/25/2008	11:45:46	0.065
13931	09/25/2008	11:45:47	0.072
13932	09/25/2008	11:45:48	0.056
13933	09/25/2008	11:45:49	0.049
13934	09/25/2008	11:45:50	0.053
13935	09/25/2008	11:45:51	0.052
13936	09/25/2008	11:45:52	0.052
13937	09/25/2008	11:45:53	0.056
13938	09/25/2008	11:45:54	0.055
13939	09/25/2008	11:45:55	0.061
13940	09/25/2008	11:45:56	0.051
13941	09/25/2008	11:45:57	0.054
13942	09/25/2008	11:45:58	0.064
13943	09/25/2008	11:45:59	0.049
13944	09/25/2008	11:46:00	0.053
13945	09/25/2008	11:46:01	0.053
13946	09/25/2008	11:46:02	0.048
13947	09/25/2008	11:46:03	0.054
13948	09/25/2008	11:46:04	0.056
13949	09/25/2008	11:46:05	0.053
13950	09/25/2008	11:46:06	0.049
13951	09/25/2008	11:46:07	0.050
13952	09/25/2008	11:46:08	0.053
13953	09/25/2008	11:46:09	0.052
13954	09/25/2008	11:46:10	0.050
13955	09/25/2008	11:46:11	0.051
13956	09/25/2008	11:46:12	0.050
13957	09/25/2008	11:46:13	0.049
13958	09/25/2008	11:46:14	0.050



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
13959	09/25/2008	11:46:15	0.050
13960	09/25/2008	11:46:16	0.055
13961	09/25/2008	11:46:17	0.049
13962	09/25/2008	11:46:18	0.056
13963	09/25/2008	11:46:19	0.052
13964	09/25/2008	11:46:20	0.069
13965	09/25/2008	11:46:21	0.058
13966	09/25/2008	11:46:22	0.062
13967	09/25/2008	11:46:23	0.089
13968	09/25/2008	11:46:24	0.069
13969	09/25/2008	11:46:25	0.049
13970	09/25/2008	11:46:26	0.056
13971	09/25/2008	11:46:27	0.049
13972	09/25/2008	11:46:28	0.064
13973	09/25/2008	11:46:29	0.054
13974	09/25/2008	11:46:30	0.065
13975	09/25/2008	11:46:31	0.047
13976	09/25/2008	11:46:32	0.051
13977	09/25/2008	11:46:33	0.055
13978	09/25/2008	11:46:34	0.050
13979	09/25/2008	11:46:35	0.059
13980	09/25/2008	11:46:36	0.056
13981	09/25/2008	11:46:37	0.065
13982	09/25/2008	11:46:38	0.129
13983	09/25/2008	11:46:39	0.112
13984	09/25/2008	11:46:40	0.064
13985	09/25/2008	11:46:41	0.079
13986	09/25/2008	11:46:42	0.107
13987	09/25/2008	11:46:43	0.076
13988	09/25/2008	11:46:44	0.055
13989	09/25/2008	11:46:45	0.063
13990	09/25/2008	11:46:46	0.084
13991	09/25/2008	11:46:47	0.063
13992	09/25/2008	11:46:48	0.057
13993	09/25/2008	11:46:49	0.059
13994	09/25/2008	11:46:50	0.056
13995	09/25/2008	11:46:51	0.066
13996	09/25/2008	11:46:52	0.060
13997	09/25/2008	11:46:53	0.055
13998	09/25/2008	11:46:54	0.075
13999	09/25/2008	11:46:55	0.059
14000	09/25/2008	11:46:56	0.051
14001	09/25/2008	11:46:57	0.054
14002	09/25/2008	11:46:58	0.050
14003	09/25/2008	11:46:59	0.064
14004	09/25/2008	11:47:00	0.053
14005	09/25/2008	11:47:01	0.053
14006	09/25/2008	11:47:02	0.052
14007	09/25/2008	11:47:03	0.050
14008	09/25/2008	11:47:04	0.090
14009	09/25/2008	11:47:05	0.054
14010	09/25/2008	11:47:06	0.054
14011	09/25/2008	11:47:07	0.051
14012	09/25/2008	11:47:08	0.056
14013	09/25/2008	11:47:09	0.054

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
14014	09/25/2008	11:47:10	0.054
14015	09/25/2008	11:47:11	0.051
14016	09/25/2008	11:47:12	0.066
14017	09/25/2008	11:47:13	0.054
14018	09/25/2008	11:47:14	0.054
14019	09/25/2008	11:47:15	0.050
14020	09/25/2008	11:47:16	0.053
14021	09/25/2008	11:47:17	0.050
14022	09/25/2008	11:47:18	0.052
14023	09/25/2008	11:47:19	0.048
14024	09/25/2008	11:47:20	0.058
14025	09/25/2008	11:47:21	0.051
14026	09/25/2008	11:47:22	0.051
14027	09/25/2008	11:47:23	0.048
14028	09/25/2008	11:47:24	0.056
14029	09/25/2008	11:47:25	0.050
14030	09/25/2008	11:47:26	0.051
14031	09/25/2008	11:47:27	0.056
14032	09/25/2008	11:47:28	0.061
14033	09/25/2008	11:47:29	0.048
14034	09/25/2008	11:47:30	0.067
14035	09/25/2008	11:47:31	0.061
14036	09/25/2008	11:47:32	0.061
14037	09/25/2008	11:47:33	0.051
14038	09/25/2008	11:47:34	0.075
14039	09/25/2008	11:47:35	0.058
14040	09/25/2008	11:47:36	0.060
14041	09/25/2008	11:47:37	0.050
14042	09/25/2008	11:47:38	0.049
14043	09/25/2008	11:47:39	0.050
14044	09/25/2008	11:47:40	0.056
14045	09/25/2008	11:47:41	0.109
14046	09/25/2008	11:47:42	0.170
14047	09/25/2008	11:47:43	0.118
14048	09/25/2008	11:47:44	0.103
14049	09/25/2008	11:47:45	0.116
14050	09/25/2008	11:47:46	0.084
14051	09/25/2008	11:47:47	0.061
14052	09/25/2008	11:47:48	0.063
14053	09/25/2008	11:47:49	0.057
14054	09/25/2008	11:47:50	0.060
14055	09/25/2008	11:47:51	0.063
14056	09/25/2008	11:47:52	0.056
14057	09/25/2008	11:47:53	0.054
14058	09/25/2008	11:47:54	0.058
14059	09/25/2008	11:47:55	0.056
14060	09/25/2008	11:47:56	0.105
14061	09/25/2008	11:47:57	0.148
14062	09/25/2008	11:47:58	0.096
14063	09/25/2008	11:47:59	0.070
14064	09/25/2008	11:48:00	0.062
14065	09/25/2008	11:48:01	0.062
14066	09/25/2008	11:48:02	0.059
14067	09/25/2008	11:48:03	0.053
14068	09/25/2008	11:48:04	0.052

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
14069	09/25/2008	11:48:05	0.063
14070	09/25/2008	11:48:06	0.058
14071	09/25/2008	11:48:07	0.049
14072	09/25/2008	11:48:08	0.056
14073	09/25/2008	11:48:09	0.052
14074	09/25/2008	11:48:10	0.057
14075	09/25/2008	11:48:11	0.053
14076	09/25/2008	11:48:12	0.052
14077	09/25/2008	11:48:13	0.154
14078	09/25/2008	11:48:14	0.137
14079	09/25/2008	11:48:15	0.174
14080	09/25/2008	11:48:16	0.124
14081	09/25/2008	11:48:17	0.107
14082	09/25/2008	11:48:18	0.096
14083	09/25/2008	11:48:19	0.073
14084	09/25/2008	11:48:20	0.109
14085	09/25/2008	11:48:21	0.159
14086	09/25/2008	11:48:22	0.075
14087	09/25/2008	11:48:23	0.073
14088	09/25/2008	11:48:24	0.078
14089	09/25/2008	11:48:25	0.080
14090	09/25/2008	11:48:26	0.065
14091	09/25/2008	11:48:27	0.067
14092	09/25/2008	11:48:28	0.130
14093	09/25/2008	11:48:29	0.114
14094	09/25/2008	11:48:30	0.119
14095	09/25/2008	11:48:31	0.093
14096	09/25/2008	11:48:32	0.249
14097	09/25/2008	11:48:33	0.066
14098	09/25/2008	11:48:34	0.058
14099	09/25/2008	11:48:35	0.061
14100	09/25/2008	11:48:36	0.062
14101	09/25/2008	11:48:37	0.059
14102	09/25/2008	11:48:38	0.070
14103	09/25/2008	11:48:39	0.065
14104	09/25/2008	11:48:40	0.059
14105	09/25/2008	11:48:41	0.057
14106	09/25/2008	11:48:42	0.050
14107	09/25/2008	11:48:43	0.057
14108	09/25/2008	11:48:44	0.056
14109	09/25/2008	11:48:45	0.053
14110	09/25/2008	11:48:46	0.054
14111	09/25/2008	11:48:47	0.051
14112	09/25/2008	11:48:48	0.053
14113	09/25/2008	11:48:49	0.051
14114	09/25/2008	11:48:50	0.059
14115	09/25/2008	11:48:51	0.052
14116	09/25/2008	11:48:52	0.060
14117	09/25/2008	11:48:53	0.054
14118	09/25/2008	11:48:54	0.057
14119	09/25/2008	11:48:55	0.051
14120	09/25/2008	11:48:56	0.050
14121	09/25/2008	11:48:57	0.057
14122	09/25/2008	11:48:58	0.052
14123	09/25/2008	11:48:59	0.049

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
14124	09/25/2008	11:49:00	0.061
14125	09/25/2008	11:49:01	0.050
14126	09/25/2008	11:49:02	0.051
14127	09/25/2008	11:49:03	0.053
14128	09/25/2008	11:49:04	0.047
14129	09/25/2008	11:49:05	0.047
14130	09/25/2008	11:49:06	0.051
14131	09/25/2008	11:49:07	0.061
14132	09/25/2008	11:49:08	0.053
14133	09/25/2008	11:49:09	0.049
14134	09/25/2008	11:49:10	0.047
14135	09/25/2008	11:49:11	0.052
14136	09/25/2008	11:49:12	0.056
14137	09/25/2008	11:49:13	0.053
14138	09/25/2008	11:49:14	0.058
14139	09/25/2008	11:49:15	0.054
14140	09/25/2008	11:49:16	0.055
14141	09/25/2008	11:49:17	0.058
14142	09/25/2008	11:49:18	0.056
14143	09/25/2008	11:49:19	0.062
14144	09/25/2008	11:49:20	0.052
14145	09/25/2008	11:49:21	0.050
14146	09/25/2008	11:49:22	0.054
14147	09/25/2008	11:49:23	0.053
14148	09/25/2008	11:49:24	0.050
14149	09/25/2008	11:49:25	0.054
14150	09/25/2008	11:49:26	0.067
14151	09/25/2008	11:49:27	0.052
14152	09/25/2008	11:49:28	0.056
14153	09/25/2008	11:49:29	0.054
14154	09/25/2008	11:49:30	0.055
14155	09/25/2008	11:49:31	0.049
14156	09/25/2008	11:49:32	0.050
14157	09/25/2008	11:49:33	0.054
14158	09/25/2008	11:49:34	0.049
14159	09/25/2008	11:49:35	0.053
14160	09/25/2008	11:49:36	0.048
14161	09/25/2008	11:49:37	0.051
14162	09/25/2008	11:49:38	0.051
14163	09/25/2008	11:49:39	0.054
14164	09/25/2008	11:49:40	0.058
14165	09/25/2008	11:49:41	0.049
14166	09/25/2008	11:49:42	0.064
14167	09/25/2008	11:49:43	0.049
14168	09/25/2008	11:49:44	0.051
14169	09/25/2008	11:49:45	0.074
14170	09/25/2008	11:49:46	0.052
14171	09/25/2008	11:49:47	0.054
14172	09/25/2008	11:49:48	0.064
14173	09/25/2008	11:49:49	0.249
14174	09/25/2008	11:49:50	0.053
14175	09/25/2008	11:49:51	0.047
14176	09/25/2008	11:49:52	0.052
14177	09/25/2008	11:49:53	0.059
14178	09/25/2008	11:49:54	0.064

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
14179	09/25/2008	11:49:55	0.055
14180	09/25/2008	11:49:56	0.052
14181	09/25/2008	11:49:57	0.052
14182	09/25/2008	11:49:58	0.052
14183	09/25/2008	11:49:59	0.053
14184	09/25/2008	11:50:00	0.060
14185	09/25/2008	11:50:01	0.049
14186	09/25/2008	11:50:02	0.055
14187	09/25/2008	11:50:03	0.056
14188	09/25/2008	11:50:04	0.050
14189	09/25/2008	11:50:05	0.048
14190	09/25/2008	11:50:06	0.051
14191	09/25/2008	11:50:07	0.052
14192	09/25/2008	11:50:08	0.056
14193	09/25/2008	11:50:09	0.051
14194	09/25/2008	11:50:10	0.055
14195	09/25/2008	11:50:11	0.053
14196	09/25/2008	11:50:12	0.071
14197	09/25/2008	11:50:13	0.060
14198	09/25/2008	11:50:14	0.070
14199	09/25/2008	11:50:15	0.068
14200	09/25/2008	11:50:16	0.137
14201	09/25/2008	11:50:17	0.135
14202	09/25/2008	11:50:18	0.079
14203	09/25/2008	11:50:19	0.068
14204	09/25/2008	11:50:20	0.057
14205	09/25/2008	11:50:21	0.054
14206	09/25/2008	11:50:22	0.056
14207	09/25/2008	11:50:23	0.054
14208	09/25/2008	11:50:24	0.056
14209	09/25/2008	11:50:25	0.053
14210	09/25/2008	11:50:26	0.055
14211	09/25/2008	11:50:27	0.052
14212	09/25/2008	11:50:28	0.062
14213	09/25/2008	11:50:29	0.055
14214	09/25/2008	11:50:30	0.075
14215	09/25/2008	11:50:31	0.065
14216	09/25/2008	11:50:32	0.053
14217	09/25/2008	11:50:33	0.051
14218	09/25/2008	11:50:34	0.062
14219	09/25/2008	11:50:35	0.057
14220	09/25/2008	11:50:36	0.073
14221	09/25/2008	11:50:37	0.075
14222	09/25/2008	11:50:38	0.067
14223	09/25/2008	11:50:39	0.059
14224	09/25/2008	11:50:40	0.051
14225	09/25/2008	11:50:41	0.057
14226	09/25/2008	11:50:42	0.048
14227	09/25/2008	11:50:43	0.069
14228	09/25/2008	11:50:44	0.053
14229	09/25/2008	11:50:45	0.054
14230	09/25/2008	11:50:46	0.056
14231	09/25/2008	11:50:47	0.053
14232	09/25/2008	11:50:48	0.057
14233	09/25/2008	11:50:49	0.072

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
14234	09/25/2008	11:50:50	0.068
14235	09/25/2008	11:50:51	0.056
14236	09/25/2008	11:50:52	0.065
14237	09/25/2008	11:50:53	0.065
14238	09/25/2008	11:50:54	0.058
14239	09/25/2008	11:50:55	0.061
14240	09/25/2008	11:50:56	0.088
14241	09/25/2008	11:50:57	0.072
14242	09/25/2008	11:50:58	0.071
14243	09/25/2008	11:50:59	0.063
14244	09/25/2008	11:51:00	0.075
14245	09/25/2008	11:51:01	0.062
14246	09/25/2008	11:51:02	0.085
14247	09/25/2008	11:51:03	0.206
14248	09/25/2008	11:51:04	0.103
14249	09/25/2008	11:51:05	0.141
14250	09/25/2008	11:51:06	0.193
14251	09/25/2008	11:51:07	0.165
14252	09/25/2008	11:51:08	0.187
14253	09/25/2008	11:51:09	0.118
14254	09/25/2008	11:51:10	0.141
14255	09/25/2008	11:51:11	0.110
14256	09/25/2008	11:51:12	0.068
14257	09/25/2008	11:51:13	0.063
14258	09/25/2008	11:51:14	0.094
14259	09/25/2008	11:51:15	0.057
14260	09/25/2008	11:51:16	0.053
14261	09/25/2008	11:51:17	0.057
14262	09/25/2008	11:51:18	0.056
14263	09/25/2008	11:51:19	0.054
14264	09/25/2008	11:51:20	0.058
14265	09/25/2008	11:51:21	0.064
14266	09/25/2008	11:51:22	0.071
14267	09/25/2008	11:51:23	0.142
14268	09/25/2008	11:51:24	0.059
14269	09/25/2008	11:51:25	0.057
14270	09/25/2008	11:51:26	0.123
14271	09/25/2008	11:51:27	0.078
14272	09/25/2008	11:51:28	0.080
14273	09/25/2008	11:51:29	0.082
14274	09/25/2008	11:51:30	0.097
14275	09/25/2008	11:51:31	0.071
14276	09/25/2008	11:51:32	0.068
14277	09/25/2008	11:51:33	0.053
14278	09/25/2008	11:51:34	0.075
14279	09/25/2008	11:51:35	0.096
14280	09/25/2008	11:51:36	0.060
14281	09/25/2008	11:51:37	0.072
14282	09/25/2008	11:51:38	0.065
14283	09/25/2008	11:51:39	0.065
14284	09/25/2008	11:51:40	0.056
14285	09/25/2008	11:51:41	0.067
14286	09/25/2008	11:51:42	0.076
14287	09/25/2008	11:51:43	0.060
14288	09/25/2008	11:51:44	0.096

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
14289	09/25/2008	11:51:45	0.055
14290	09/25/2008	11:51:46	0.060
14291	09/25/2008	11:51:47	0.058
14292	09/25/2008	11:51:48	0.078
14293	09/25/2008	11:51:49	0.056
14294	09/25/2008	11:51:50	0.056
14295	09/25/2008	11:51:51	0.077
14296	09/25/2008	11:51:52	0.065
14297	09/25/2008	11:51:53	0.066
14298	09/25/2008	11:51:54	0.052
14299	09/25/2008	11:51:55	0.056
14300	09/25/2008	11:51:56	0.070
14301	09/25/2008	11:51:57	0.063
14302	09/25/2008	11:51:58	0.051
14303	09/25/2008	11:51:59	0.052
14304	09/25/2008	11:52:00	0.054
14305	09/25/2008	11:52:01	0.056
14306	09/25/2008	11:52:02	0.056
14307	09/25/2008	11:52:03	0.068
14308	09/25/2008	11:52:04	0.061
14309	09/25/2008	11:52:05	0.055
14310	09/25/2008	11:52:06	0.051
14311	09/25/2008	11:52:07	0.056
14312	09/25/2008	11:52:08	0.049
14313	09/25/2008	11:52:09	0.052
14314	09/25/2008	11:52:10	0.072
14315	09/25/2008	11:52:11	0.053
14316	09/25/2008	11:52:12	0.063
14317	09/25/2008	11:52:13	0.048
14318	09/25/2008	11:52:14	0.054
14319	09/25/2008	11:52:15	0.052
14320	09/25/2008	11:52:16	0.067
14321	09/25/2008	11:52:17	0.060
14322	09/25/2008	11:52:18	0.058
14323	09/25/2008	11:52:19	0.054
14324	09/25/2008	11:52:20	0.077
14325	09/25/2008	11:52:21	0.056
14326	09/25/2008	11:52:22	0.053
14327	09/25/2008	11:52:23	0.056
14328	09/25/2008	11:52:24	0.059
14329	09/25/2008	11:52:25	0.084
14330	09/25/2008	11:52:26	0.053
14331	09/25/2008	11:52:27	0.060
14332	09/25/2008	11:52:28	0.067
14333	09/25/2008	11:52:29	0.066
14334	09/25/2008	11:52:30	0.053
14335	09/25/2008	11:52:31	0.062
14336	09/25/2008	11:52:32	0.055
14337	09/25/2008	11:52:33	0.056
14338	09/25/2008	11:52:34	0.070
14339	09/25/2008	11:52:35	0.050
14340	09/25/2008	11:52:36	0.057
14341	09/25/2008	11:52:37	0.052
14342	09/25/2008	11:52:38	0.055
14343	09/25/2008	11:52:39	0.055

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
14344	09/25/2008	11:52:40	0.057
14345	09/25/2008	11:52:41	0.060
14346	09/25/2008	11:52:42	0.060
14347	09/25/2008	11:52:43	0.065
14348	09/25/2008	11:52:44	0.058
14349	09/25/2008	11:52:45	0.066
14350	09/25/2008	11:52:46	0.135
14351	09/25/2008	11:52:47	0.104
14352	09/25/2008	11:52:48	0.078
14353	09/25/2008	11:52:49	0.101
14354	09/25/2008	11:52:50	0.072
14355	09/25/2008	11:52:51	0.075
14356	09/25/2008	11:52:52	0.074
14357	09/25/2008	11:52:53	0.076
14358	09/25/2008	11:52:54	0.093
14359	09/25/2008	11:52:55	0.139
14360	09/25/2008	11:52:56	0.093
14361	09/25/2008	11:52:57	0.079
14362	09/25/2008	11:52:58	0.079
14363	09/25/2008	11:52:59	0.100
14364	09/25/2008	11:53:00	0.070
14365	09/25/2008	11:53:01	0.119
14366	09/25/2008	11:53:02	0.081
14367	09/25/2008	11:53:03	0.056
14368	09/25/2008	11:53:04	0.060
14369	09/25/2008	11:53:05	0.061
14370	09/25/2008	11:53:06	0.061
14371	09/25/2008	11:53:07	0.168
14372	09/25/2008	11:53:08	0.116
14373	09/25/2008	11:53:09	0.082
14374	09/25/2008	11:53:10	0.062
14375	09/25/2008	11:53:11	0.075
14376	09/25/2008	11:53:12	0.068
14377	09/25/2008	11:53:13	0.058
14378	09/25/2008	11:53:14	0.086
14379	09/25/2008	11:53:15	0.073
14380	09/25/2008	11:53:16	0.062
14381	09/25/2008	11:53:17	0.056
14382	09/25/2008	11:53:18	0.062
14383	09/25/2008	11:53:19	0.061
14384	09/25/2008	11:53:20	0.055
14385	09/25/2008	11:53:21	0.053
14386	09/25/2008	11:53:22	0.065
14387	09/25/2008	11:53:23	0.058
14388	09/25/2008	11:53:24	0.081
14389	09/25/2008	11:53:25	0.070
14390	09/25/2008	11:53:26	0.074
14391	09/25/2008	11:53:27	0.074
14392	09/25/2008	11:53:28	0.054
14393	09/25/2008	11:53:29	0.056
14394	09/25/2008	11:53:30	0.093
14395	09/25/2008	11:53:31	0.157
14396	09/25/2008	11:53:32	0.102
14397	09/25/2008	11:53:33	0.133
14398	09/25/2008	11:53:34	0.149



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
14399	09/25/2008	11:53:35	0.127
14400	09/25/2008	11:53:36	0.117
14401	09/25/2008	11:53:37	0.089
14402	09/25/2008	11:53:38	0.074
14403	09/25/2008	11:53:39	0.066
14404	09/25/2008	11:53:40	0.063
14405	09/25/2008	11:53:41	0.057
14406	09/25/2008	11:53:42	0.058
14407	09/25/2008	11:53:43	0.064
14408	09/25/2008	11:53:44	0.092
14409	09/25/2008	11:53:45	0.056
14410	09/25/2008	11:53:46	0.056
14411	09/25/2008	11:53:47	0.059
14412	09/25/2008	11:53:48	0.112
14413	09/25/2008	11:53:49	0.090
14414	09/25/2008	11:53:50	0.062
14415	09/25/2008	11:53:51	0.067
14416	09/25/2008	11:53:52	0.073
14417	09/25/2008	11:53:53	0.369
14418	09/25/2008	11:53:54	0.066
14419	09/25/2008	11:53:55	0.073
14420	09/25/2008	11:53:56	0.052
14421	09/25/2008	11:53:57	0.087
14422	09/25/2008	11:53:58	0.055
14423	09/25/2008	11:53:59	0.056
14424	09/25/2008	11:54:00	0.056
14425	09/25/2008	11:54:01	0.081
14426	09/25/2008	11:54:02	0.060
14427	09/25/2008	11:54:03	0.172
14428	09/25/2008	11:54:04	0.079
14429	09/25/2008	11:54:05	0.154
14430	09/25/2008	11:54:06	0.074
14431	09/25/2008	11:54:07	0.064
14432	09/25/2008	11:54:08	0.061
14433	09/25/2008	11:54:09	0.069
14434	09/25/2008	11:54:10	0.090
14435	09/25/2008	11:54:11	0.066
14436	09/25/2008	11:54:12	0.064
14437	09/25/2008	11:54:13	0.073
14438	09/25/2008	11:54:14	0.094
14439	09/25/2008	11:54:15	0.073
14440	09/25/2008	11:54:16	0.062
14441	09/25/2008	11:54:17	0.093
14442	09/25/2008	11:54:18	0.068
14443	09/25/2008	11:54:19	0.055
14444	09/25/2008	11:54:20	0.055
14445	09/25/2008	11:54:21	0.080
14446	09/25/2008	11:54:22	0.057
14447	09/25/2008	11:54:23	0.055
14448	09/25/2008	11:54:24	0.057
14449	09/25/2008	11:54:25	0.064
14450	09/25/2008	11:54:26	0.065
14451	09/25/2008	11:54:27	0.053
14452	09/25/2008	11:54:28	0.061
14453	09/25/2008	11:54:29	0.053

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
14454	09/25/2008	11:54:30	0.065
14455	09/25/2008	11:54:31	0.058
14456	09/25/2008	11:54:32	0.052
14457	09/25/2008	11:54:33	0.054
14458	09/25/2008	11:54:34	0.054
14459	09/25/2008	11:54:35	0.061
14460	09/25/2008	11:54:36	0.049
14461	09/25/2008	11:54:37	0.055
14462	09/25/2008	11:54:38	0.055
14463	09/25/2008	11:54:39	0.058
14464	09/25/2008	11:54:40	0.052
14465	09/25/2008	11:54:41	0.051
14466	09/25/2008	11:54:42	0.064
14467	09/25/2008	11:54:43	0.125
14468	09/25/2008	11:54:44	0.060
14469	09/25/2008	11:54:45	0.056
14470	09/25/2008	11:54:46	0.053
14471	09/25/2008	11:54:47	0.051
14472	09/25/2008	11:54:48	0.053
14473	09/25/2008	11:54:49	0.054
14474	09/25/2008	11:54:50	0.106
14475	09/25/2008	11:54:51	0.124
14476	09/25/2008	11:54:52	0.093
14477	09/25/2008	11:54:53	0.105
14478	09/25/2008	11:54:54	0.102
14479	09/25/2008	11:54:55	0.104
14480	09/25/2008	11:54:56	0.094
14481	09/25/2008	11:54:57	0.090
14482	09/25/2008	11:54:58	0.082
14483	09/25/2008	11:54:59	0.068
14484	09/25/2008	11:55:00	0.069
14485	09/25/2008	11:55:01	0.068
14486	09/25/2008	11:55:02	0.062
14487	09/25/2008	11:55:03	0.081
14488	09/25/2008	11:55:04	0.066
14489	09/25/2008	11:55:05	0.065
14490	09/25/2008	11:55:06	0.061
14491	09/25/2008	11:55:07	0.079
14492	09/25/2008	11:55:08	0.070
14493	09/25/2008	11:55:09	0.060
14494	09/25/2008	11:55:10	0.059
14495	09/25/2008	11:55:11	0.068
14496	09/25/2008	11:55:12	0.080
14497	09/25/2008	11:55:13	0.087
14498	09/25/2008	11:55:14	0.072
14499	09/25/2008	11:55:15	0.064
14500	09/25/2008	11:55:16	0.068
14501	09/25/2008	11:55:17	0.055
14502	09/25/2008	11:55:18	0.058
14503	09/25/2008	11:55:19	0.053
14504	09/25/2008	11:55:20	0.062
14505	09/25/2008	11:55:21	0.060
14506	09/25/2008	11:55:22	0.060
14507	09/25/2008	11:55:23	0.066
14508	09/25/2008	11:55:24	0.061

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
14509	09/25/2008	11:55:25	0.048
14510	09/25/2008	11:55:26	0.049
14511	09/25/2008	11:55:27	0.056
14512	09/25/2008	11:55:28	0.066
14513	09/25/2008	11:55:29	0.056
14514	09/25/2008	11:55:30	0.066
14515	09/25/2008	11:55:31	0.082
14516	09/25/2008	11:55:32	0.140
14517	09/25/2008	11:55:33	0.166
14518	09/25/2008	11:55:34	0.072
14519	09/25/2008	11:55:35	0.115
14520	09/25/2008	11:55:36	0.092
14521	09/25/2008	11:55:37	0.094
14522	09/25/2008	11:55:38	0.065
14523	09/25/2008	11:55:39	0.080
14524	09/25/2008	11:55:40	0.108
14525	09/25/2008	11:55:41	0.057
14526	09/25/2008	11:55:42	0.066
14527	09/25/2008	11:55:43	0.075
14528	09/25/2008	11:55:44	0.062
14529	09/25/2008	11:55:45	0.068
14530	09/25/2008	11:55:46	0.321
14531	09/25/2008	11:55:47	0.121
14532	09/25/2008	11:55:48	0.071
14533	09/25/2008	11:55:49	0.067
14534	09/25/2008	11:55:50	0.090
14535	09/25/2008	11:55:51	0.092
14536	09/25/2008	11:55:52	0.059
14537	09/25/2008	11:55:53	0.060
14538	09/25/2008	11:55:54	0.059
14539	09/25/2008	11:55:55	0.074
14540	09/25/2008	11:55:56	0.059
14541	09/25/2008	11:55:57	0.073
14542	09/25/2008	11:55:58	0.066
14543	09/25/2008	11:55:59	0.062
14544	09/25/2008	11:56:00	0.075
14545	09/25/2008	11:56:01	0.060
14546	09/25/2008	11:56:02	0.080
14547	09/25/2008	11:56:03	0.071
14548	09/25/2008	11:56:04	0.070
14549	09/25/2008	11:56:05	0.094
14550	09/25/2008	11:56:06	0.092
14551	09/25/2008	11:56:07	0.078
14552	09/25/2008	11:56:08	0.068
14553	09/25/2008	11:56:09	0.076
14554	09/25/2008	11:56:10	0.071
14555	09/25/2008	11:56:11	0.064
14556	09/25/2008	11:56:12	0.064
14557	09/25/2008	11:56:13	0.062
14558	09/25/2008	11:56:14	0.079
14559	09/25/2008	11:56:15	0.071
14560	09/25/2008	11:56:16	0.074
14561	09/25/2008	11:56:17	0.070
14562	09/25/2008	11:56:18	0.124
14563	09/25/2008	11:56:19	0.081

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
14564	09/25/2008	11:56:20	0.081
14565	09/25/2008	11:56:21	0.062
14566	09/25/2008	11:56:22	0.064
14567	09/25/2008	11:56:23	0.068
14568	09/25/2008	11:56:24	0.067
14569	09/25/2008	11:56:25	0.064
14570	09/25/2008	11:56:26	0.075
14571	09/25/2008	11:56:27	0.072
14572	09/25/2008	11:56:28	0.068
14573	09/25/2008	11:56:29	0.069
14574	09/25/2008	11:56:30	0.063
14575	09/25/2008	11:56:31	0.063
14576	09/25/2008	11:56:32	0.059
14577	09/25/2008	11:56:33	0.083
14578	09/25/2008	11:56:34	0.071
14579	09/25/2008	11:56:35	0.073
14580	09/25/2008	11:56:36	0.094
14581	09/25/2008	11:56:37	0.101
14582	09/25/2008	11:56:38	0.089
14583	09/25/2008	11:56:39	0.116
14584	09/25/2008	11:56:40	0.093
14585	09/25/2008	11:56:41	0.111
14586	09/25/2008	11:56:42	0.091
14587	09/25/2008	11:56:43	0.083
14588	09/25/2008	11:56:44	0.061
14589	09/25/2008	11:56:45	0.081
14590	09/25/2008	11:56:46	0.098
14591	09/25/2008	11:56:47	0.060
14592	09/25/2008	11:56:48	0.059
14593	09/25/2008	11:56:49	0.070
14594	09/25/2008	11:56:50	0.063
14595	09/25/2008	11:56:51	0.089
14596	09/25/2008	11:56:52	0.146
14597	09/25/2008	11:56:53	0.196
14598	09/25/2008	11:56:54	0.089
14599	09/25/2008	11:56:55	0.105
14600	09/25/2008	11:56:56	0.068
14601	09/25/2008	11:56:57	0.088
14602	09/25/2008	11:56:58	0.079
14603	09/25/2008	11:56:59	0.076
14604	09/25/2008	11:57:00	0.064
14605	09/25/2008	11:57:01	0.077
14606	09/25/2008	11:57:02	0.104
14607	09/25/2008	11:57:03	0.067
14608	09/25/2008	11:57:04	0.082
14609	09/25/2008	11:57:05	0.070
14610	09/25/2008	11:57:06	0.086
14611	09/25/2008	11:57:07	0.085
14612	09/25/2008	11:57:08	0.113
14613	09/25/2008	11:57:09	0.067
14614	09/25/2008	11:57:10	0.060
14615	09/25/2008	11:57:11	0.056
14616	09/25/2008	11:57:12	0.088
14617	09/25/2008	11:57:13	0.083
14618	09/25/2008	11:57:14	0.075

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
14619	09/25/2008	11:57:15	0.065
14620	09/25/2008	11:57:16	0.070
14621	09/25/2008	11:57:17	0.098
14622	09/25/2008	11:57:18	0.123
14623	09/25/2008	11:57:19	0.069
14624	09/25/2008	11:57:20	0.072
14625	09/25/2008	11:57:21	0.062
14626	09/25/2008	11:57:22	0.059
14627	09/25/2008	11:57:23	0.077
14628	09/25/2008	11:57:24	0.081
14629	09/25/2008	11:57:25	0.079
14630	09/25/2008	11:57:26	0.062
14631	09/25/2008	11:57:27	0.066
14632	09/25/2008	11:57:28	0.055
14633	09/25/2008	11:57:29	0.054
14634	09/25/2008	11:57:30	0.054
14635	09/25/2008	11:57:31	0.052
14636	09/25/2008	11:57:32	0.057
14637	09/25/2008	11:57:33	0.141
14638	09/25/2008	11:57:34	0.070
14639	09/25/2008	11:57:35	0.070
14640	09/25/2008	11:57:36	0.059
14641	09/25/2008	11:57:37	0.070
14642	09/25/2008	11:57:38	0.084
14643	09/25/2008	11:57:39	0.054
14644	09/25/2008	11:57:40	0.121
14645	09/25/2008	11:57:41	0.172
14646	09/25/2008	11:57:42	0.126
14647	09/25/2008	11:57:43	0.067
14648	09/25/2008	11:57:44	0.064
14649	09/25/2008	11:57:45	0.069
14650	09/25/2008	11:57:46	0.065
14651	09/25/2008	11:57:47	0.060
14652	09/25/2008	11:57:48	0.072
14653	09/25/2008	11:57:49	0.109
14654	09/25/2008	11:57:50	0.108
14655	09/25/2008	11:57:51	0.109
14656	09/25/2008	11:57:52	0.089
14657	09/25/2008	11:57:53	0.066
14658	09/25/2008	11:57:54	0.066
14659	09/25/2008	11:57:55	0.116
14660	09/25/2008	11:57:56	0.064
14661	09/25/2008	11:57:57	0.067
14662	09/25/2008	11:57:58	0.123
14663	09/25/2008	11:57:59	0.075
14664	09/25/2008	11:58:00	0.135
14665	09/25/2008	11:58:01	0.186
14666	09/25/2008	11:58:02	0.109
14667	09/25/2008	11:58:03	0.110
14668	09/25/2008	11:58:04	0.140
14669	09/25/2008	11:58:05	0.157
14670	09/25/2008	11:58:06	0.151
14671	09/25/2008	11:58:07	0.127
14672	09/25/2008	11:58:08	0.116
14673	09/25/2008	11:58:09	0.105

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
14674	09/25/2008	11:58:10	0.096
14675	09/25/2008	11:58:11	0.074
14676	09/25/2008	11:58:12	0.069
14677	09/25/2008	11:58:13	0.065
14678	09/25/2008	11:58:14	0.059
14679	09/25/2008	11:58:15	0.077
14680	09/25/2008	11:58:16	0.066
14681	09/25/2008	11:58:17	0.064
14682	09/25/2008	11:58:18	0.064
14683	09/25/2008	11:58:19	0.065
14684	09/25/2008	11:58:20	0.058
14685	09/25/2008	11:58:21	0.057
14686	09/25/2008	11:58:22	0.054
14687	09/25/2008	11:58:23	0.053
14688	09/25/2008	11:58:24	0.058
14689	09/25/2008	11:58:25	0.062
14690	09/25/2008	11:58:26	0.061
14691	09/25/2008	11:58:27	0.089
14692	09/25/2008	11:58:28	0.054
14693	09/25/2008	11:58:29	0.054
14694	09/25/2008	11:58:30	0.056
14695	09/25/2008	11:58:31	0.058
14696	09/25/2008	11:58:32	0.061
14697	09/25/2008	11:58:33	0.055
14698	09/25/2008	11:58:34	0.069
14699	09/25/2008	11:58:35	0.059
14700	09/25/2008	11:58:36	0.058
14701	09/25/2008	11:58:37	0.059
14702	09/25/2008	11:58:38	0.105
14703	09/25/2008	11:58:39	0.083
14704	09/25/2008	11:58:40	0.057
14705	09/25/2008	11:58:41	0.065
14706	09/25/2008	11:58:42	0.080
14707	09/25/2008	11:58:43	0.073
14708	09/25/2008	11:58:44	0.078
14709	09/25/2008	11:58:45	0.076
14710	09/25/2008	11:58:46	0.081
14711	09/25/2008	11:58:47	0.077
14712	09/25/2008	11:58:48	0.059
14713	09/25/2008	11:58:49	0.057
14714	09/25/2008	11:58:50	0.055
14715	09/25/2008	11:58:51	0.082
14716	09/25/2008	11:58:52	0.053
14717	09/25/2008	11:58:53	0.055
14718	09/25/2008	11:58:54	0.056
14719	09/25/2008	11:58:55	0.063
14720	09/25/2008	11:58:56	0.061
14721	09/25/2008	11:58:57	0.070
14722	09/25/2008	11:58:58	0.062
14723	09/25/2008	11:58:59	0.077
14724	09/25/2008	11:59:00	0.084
14725	09/25/2008	11:59:01	0.060
14726	09/25/2008	11:59:02	0.051
14727	09/25/2008	11:59:03	0.058
14728	09/25/2008	11:59:04	0.052

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
14729	09/25/2008	11:59:05	0.053
14730	09/25/2008	11:59:06	0.063
14731	09/25/2008	11:59:07	0.051
14732	09/25/2008	11:59:08	0.059
14733	09/25/2008	11:59:09	0.059
14734	09/25/2008	11:59:10	0.075
14735	09/25/2008	11:59:11	0.141
14736	09/25/2008	11:59:12	0.082
14737	09/25/2008	11:59:13	0.070
14738	09/25/2008	11:59:14	0.070
14739	09/25/2008	11:59:15	0.069
14740	09/25/2008	11:59:16	0.066
14741	09/25/2008	11:59:17	0.098
14742	09/25/2008	11:59:18	0.058
14743	09/25/2008	11:59:19	0.062
14744	09/25/2008	11:59:20	0.066
14745	09/25/2008	11:59:21	0.063
14746	09/25/2008	11:59:22	0.079
14747	09/25/2008	11:59:23	0.085
14748	09/25/2008	11:59:24	0.095
14749	09/25/2008	11:59:25	0.087
14750	09/25/2008	11:59:26	0.068
14751	09/25/2008	11:59:27	0.073
14752	09/25/2008	11:59:28	0.060
14753	09/25/2008	11:59:29	0.084
14754	09/25/2008	11:59:30	0.105
14755	09/25/2008	11:59:31	0.071
14756	09/25/2008	11:59:32	0.249
14757	09/25/2008	11:59:33	0.111
14758	09/25/2008	11:59:34	0.085
14759	09/25/2008	11:59:35	0.061
14760	09/25/2008	11:59:36	0.067
14761	09/25/2008	11:59:37	0.086
14762	09/25/2008	11:59:38	0.082
14763	09/25/2008	11:59:39	0.096
14764	09/25/2008	11:59:40	0.089
14765	09/25/2008	11:59:41	0.069
14766	09/25/2008	11:59:42	0.124
14767	09/25/2008	11:59:43	0.105
14768	09/25/2008	11:59:44	0.093
14769	09/25/2008	11:59:45	0.109
14770	09/25/2008	11:59:46	0.084
14771	09/25/2008	11:59:47	0.116
14772	09/25/2008	11:59:48	0.094
14773	09/25/2008	11:59:49	0.089
14774	09/25/2008	11:59:50	0.077
14775	09/25/2008	11:59:51	0.100
14776	09/25/2008	11:59:52	0.136
14777	09/25/2008	11:59:53	0.138
14778	09/25/2008	11:59:54	0.096
14779	09/25/2008	11:59:55	0.082
14780	09/25/2008	11:59:56	0.088
14781	09/25/2008	11:59:57	0.099
14782	09/25/2008	11:59:58	0.098
14783	09/25/2008	11:59:59	0.068

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
14784	09/25/2008	12:00:00	0.062
14785	09/25/2008	12:00:01	0.055
14786	09/25/2008	12:00:02	0.063
14787	09/25/2008	12:00:03	0.065
14788	09/25/2008	12:00:04	0.094
14789	09/25/2008	12:00:05	0.107
14790	09/25/2008	12:00:06	0.082
14791	09/25/2008	12:00:07	0.072
14792	09/25/2008	12:00:08	0.094
14793	09/25/2008	12:00:09	0.086
14794	09/25/2008	12:00:10	0.112
14795	09/25/2008	12:00:11	0.094
14796	09/25/2008	12:00:12	0.084
14797	09/25/2008	12:00:13	0.148
14798	09/25/2008	12:00:14	0.137
14799	09/25/2008	12:00:15	0.082
14800	09/25/2008	12:00:16	0.072
14801	09/25/2008	12:00:17	0.065
14802	09/25/2008	12:00:18	0.074
14803	09/25/2008	12:00:19	0.177
14804	09/25/2008	12:00:20	0.085
14805	09/25/2008	12:00:21	0.116
14806	09/25/2008	12:00:22	0.194
14807	09/25/2008	12:00:23	0.160
14808	09/25/2008	12:00:24	0.135
14809	09/25/2008	12:00:25	0.105
14810	09/25/2008	12:00:26	0.146
14811	09/25/2008	12:00:27	0.112
14812	09/25/2008	12:00:28	0.071
14813	09/25/2008	12:00:29	0.082
14814	09/25/2008	12:00:30	0.072
14815	09/25/2008	12:00:31	0.064
14816	09/25/2008	12:00:32	0.070
14817	09/25/2008	12:00:33	0.062
14818	09/25/2008	12:00:34	0.060
14819	09/25/2008	12:00:35	0.053
14820	09/25/2008	12:00:36	0.056
14821	09/25/2008	12:00:37	0.058
14822	09/25/2008	12:00:38	0.054
14823	09/25/2008	12:00:39	0.056
14824	09/25/2008	12:00:40	0.052
14825	09/25/2008	12:00:41	0.077
14826	09/25/2008	12:00:42	0.054
14827	09/25/2008	12:00:43	0.059
14828	09/25/2008	12:00:44	0.059
14829	09/25/2008	12:00:45	0.054
14830	09/25/2008	12:00:46	0.058
14831	09/25/2008	12:00:47	0.057
14832	09/25/2008	12:00:48	0.055
14833	09/25/2008	12:00:49	0.053
14834	09/25/2008	12:00:50	0.050
14835	09/25/2008	12:00:51	0.056
14836	09/25/2008	12:00:52	0.059
14837	09/25/2008	12:00:53	0.051
14838	09/25/2008	12:00:54	0.053



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
14839	09/25/2008	12:00:55	0.049
14840	09/25/2008	12:00:56	0.053
14841	09/25/2008	12:00:57	0.051
14842	09/25/2008	12:00:58	0.054
14843	09/25/2008	12:00:59	0.055
14844	09/25/2008	12:01:00	0.055
14845	09/25/2008	12:01:01	0.055
14846	09/25/2008	12:01:02	0.058
14847	09/25/2008	12:01:03	0.049
14848	09/25/2008	12:01:04	0.052
14849	09/25/2008	12:01:05	0.062
14850	09/25/2008	12:01:06	0.052
14851	09/25/2008	12:01:07	0.059
14852	09/25/2008	12:01:08	0.052
14853	09/25/2008	12:01:09	0.047
14854	09/25/2008	12:01:10	0.046
14855	09/25/2008	12:01:11	0.054
14856	09/25/2008	12:01:12	0.050
14857	09/25/2008	12:01:13	0.063
14858	09/25/2008	12:01:14	0.059
14859	09/25/2008	12:01:15	0.060
14860	09/25/2008	12:01:16	0.057
14861	09/25/2008	12:01:17	0.052
14862	09/25/2008	12:01:18	0.051
14863	09/25/2008	12:01:19	0.053
14864	09/25/2008	12:01:20	0.054
14865	09/25/2008	12:01:21	0.052
14866	09/25/2008	12:01:22	0.049
14867	09/25/2008	12:01:23	0.050
14868	09/25/2008	12:01:24	0.054
14869	09/25/2008	12:01:25	0.065
14870	09/25/2008	12:01:26	0.052
14871	09/25/2008	12:01:27	0.055
14872	09/25/2008	12:01:28	0.058
14873	09/25/2008	12:01:29	0.049
14874	09/25/2008	12:01:30	0.062
14875	09/25/2008	12:01:31	0.053
14876	09/25/2008	12:01:32	0.055
14877	09/25/2008	12:01:33	0.057
14878	09/25/2008	12:01:34	0.054
14879	09/25/2008	12:01:35	0.056
14880	09/25/2008	12:01:36	0.057
14881	09/25/2008	12:01:37	0.069
14882	09/25/2008	12:01:38	0.049
14883	09/25/2008	12:01:39	0.079
14884	09/25/2008	12:01:40	0.057
14885	09/25/2008	12:01:41	0.062
14886	09/25/2008	12:01:42	0.065
14887	09/25/2008	12:01:43	0.065
14888	09/25/2008	12:01:44	0.061
14889	09/25/2008	12:01:45	0.064
14890	09/25/2008	12:01:46	0.052
14891	09/25/2008	12:01:47	0.062
14892	09/25/2008	12:01:48	0.069
14893	09/25/2008	12:01:49	0.132

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
14894	09/25/2008	12:01:50	0.048
14895	09/25/2008	12:01:51	0.055
14896	09/25/2008	12:01:52	0.067
14897	09/25/2008	12:01:53	0.059
14898	09/25/2008	12:01:54	0.050
14899	09/25/2008	12:01:55	0.129
14900	09/25/2008	12:01:56	0.084
14901	09/25/2008	12:01:57	0.059
14902	09/25/2008	12:01:58	0.061
14903	09/25/2008	12:01:59	0.090
14904	09/25/2008	12:02:00	0.066
14905	09/25/2008	12:02:01	0.068
14906	09/25/2008	12:02:02	0.060
14907	09/25/2008	12:02:03	0.059
14908	09/25/2008	12:02:04	0.052
14909	09/25/2008	12:02:05	0.055
14910	09/25/2008	12:02:06	0.058
14911	09/25/2008	12:02:07	0.058
14912	09/25/2008	12:02:08	0.055
14913	09/25/2008	12:02:09	0.051
14914	09/25/2008	12:02:10	0.052
14915	09/25/2008	12:02:11	0.055
14916	09/25/2008	12:02:12	0.056
14917	09/25/2008	12:02:13	0.054
14918	09/25/2008	12:02:14	0.057
14919	09/25/2008	12:02:15	0.060
14920	09/25/2008	12:02:16	0.052
14921	09/25/2008	12:02:17	0.059
14922	09/25/2008	12:02:18	0.060
14923	09/25/2008	12:02:19	0.063
14924	09/25/2008	12:02:20	0.057
14925	09/25/2008	12:02:21	0.055
14926	09/25/2008	12:02:22	0.061
14927	09/25/2008	12:02:23	0.056
14928	09/25/2008	12:02:24	0.058
14929	09/25/2008	12:02:25	0.057
14930	09/25/2008	12:02:26	0.064
14931	09/25/2008	12:02:27	0.054
14932	09/25/2008	12:02:28	0.057
14933	09/25/2008	12:02:29	0.067
14934	09/25/2008	12:02:30	0.054
14935	09/25/2008	12:02:31	0.052
14936	09/25/2008	12:02:32	0.047
14937	09/25/2008	12:02:33	0.058
14938	09/25/2008	12:02:34	0.059
14939	09/25/2008	12:02:35	0.055
14940	09/25/2008	12:02:36	0.054
14941	09/25/2008	12:02:37	0.050
14942	09/25/2008	12:02:38	0.053
14943	09/25/2008	12:02:39	0.053
14944	09/25/2008	12:02:40	0.055
14945	09/25/2008	12:02:41	0.058
14946	09/25/2008	12:02:42	0.047
14947	09/25/2008	12:02:43	0.051
14948	09/25/2008	12:02:44	0.060

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
14949	09/25/2008	12:02:45	0.054
14950	09/25/2008	12:02:46	0.056
14951	09/25/2008	12:02:47	0.060
14952	09/25/2008	12:02:48	0.059
14953	09/25/2008	12:02:49	0.060
14954	09/25/2008	12:02:50	0.054
14955	09/25/2008	12:02:51	0.057
14956	09/25/2008	12:02:52	0.061
14957	09/25/2008	12:02:53	0.052
14958	09/25/2008	12:02:54	0.058
14959	09/25/2008	12:02:55	0.055
14960	09/25/2008	12:02:56	0.055
14961	09/25/2008	12:02:57	0.073
14962	09/25/2008	12:02:58	0.057
14963	09/25/2008	12:02:59	0.052
14964	09/25/2008	12:03:00	0.050
14965	09/25/2008	12:03:01	0.050
14966	09/25/2008	12:03:02	0.054
14967	09/25/2008	12:03:03	0.048
14968	09/25/2008	12:03:04	0.056
14969	09/25/2008	12:03:05	0.092
14970	09/25/2008	12:03:06	0.056
14971	09/25/2008	12:03:07	0.056
14972	09/25/2008	12:03:08	0.056
14973	09/25/2008	12:03:09	0.054
14974	09/25/2008	12:03:10	0.050
14975	09/25/2008	12:03:11	0.053
14976	09/25/2008	12:03:12	0.051
14977	09/25/2008	12:03:13	0.050
14978	09/25/2008	12:03:14	0.062
14979	09/25/2008	12:03:15	0.051
14980	09/25/2008	12:03:16	0.048
14981	09/25/2008	12:03:17	0.048
14982	09/25/2008	12:03:18	0.051
14983	09/25/2008	12:03:19	0.053
14984	09/25/2008	12:03:20	0.055
14985	09/25/2008	12:03:21	0.049
14986	09/25/2008	12:03:22	0.052
14987	09/25/2008	12:03:23	0.050
14988	09/25/2008	12:03:24	0.052
14989	09/25/2008	12:03:25	0.054
14990	09/25/2008	12:03:26	0.060
14991	09/25/2008	12:03:27	0.061
14992	09/25/2008	12:03:28	0.047
14993	09/25/2008	12:03:29	0.057
14994	09/25/2008	12:03:30	0.049
14995	09/25/2008	12:03:31	0.050
14996	09/25/2008	12:03:32	0.052
14997	09/25/2008	12:03:33	0.051
14998	09/25/2008	12:03:34	0.061
14999	09/25/2008	12:03:35	0.050
15000	09/25/2008	12:03:36	0.050
15001	09/25/2008	12:03:37	0.052
15002	09/25/2008	12:03:38	0.050
15003	09/25/2008	12:03:39	0.063

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
15004	09/25/2008	12:03:40	0.052
15005	09/25/2008	12:03:41	0.052
15006	09/25/2008	12:03:42	0.056
15007	09/25/2008	12:03:43	0.049
15008	09/25/2008	12:03:44	0.050
15009	09/25/2008	12:03:45	0.047
15010	09/25/2008	12:03:46	0.058
15011	09/25/2008	12:03:47	0.050
15012	09/25/2008	12:03:48	0.070
15013	09/25/2008	12:03:49	0.057
15014	09/25/2008	12:03:50	0.064
15015	09/25/2008	12:03:51	0.056
15016	09/25/2008	12:03:52	0.072
15017	09/25/2008	12:03:53	0.051
15018	09/25/2008	12:03:54	0.051
15019	09/25/2008	12:03:55	0.050
15020	09/25/2008	12:03:56	0.056
15021	09/25/2008	12:03:57	0.060
15022	09/25/2008	12:03:58	0.052
15023	09/25/2008	12:03:59	0.055
15024	09/25/2008	12:04:00	0.054
15025	09/25/2008	12:04:01	0.052
15026	09/25/2008	12:04:02	0.059
15027	09/25/2008	12:04:03	0.110
15028	09/25/2008	12:04:04	0.052
15029	09/25/2008	12:04:05	0.050
15030	09/25/2008	12:04:06	0.054
15031	09/25/2008	12:04:07	0.046
15032	09/25/2008	12:04:08	0.048
15033	09/25/2008	12:04:09	0.055
15034	09/25/2008	12:04:10	0.051
15035	09/25/2008	12:04:11	0.056
15036	09/25/2008	12:04:12	0.051
15037	09/25/2008	12:04:13	0.070
15038	09/25/2008	12:04:14	0.067
15039	09/25/2008	12:04:15	0.054
15040	09/25/2008	12:04:16	0.050
15041	09/25/2008	12:04:17	0.080
15042	09/25/2008	12:04:18	0.059
15043	09/25/2008	12:04:19	0.052
15044	09/25/2008	12:04:20	0.054
15045	09/25/2008	12:04:21	0.055
15046	09/25/2008	12:04:22	0.056
15047	09/25/2008	12:04:23	0.055
15048	09/25/2008	12:04:24	0.062
15049	09/25/2008	12:04:25	0.052
15050	09/25/2008	12:04:26	0.068
15051	09/25/2008	12:04:27	0.052
15052	09/25/2008	12:04:28	0.054
15053	09/25/2008	12:04:29	0.061
15054	09/25/2008	12:04:30	0.056
15055	09/25/2008	12:04:31	0.053
15056	09/25/2008	12:04:32	0.050
15057	09/25/2008	12:04:33	0.057
15058	09/25/2008	12:04:34	0.054

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
15059	09/25/2008	12:04:35	0.053
15060	09/25/2008	12:04:36	0.071
15061	09/25/2008	12:04:37	0.061
15062	09/25/2008	12:04:38	0.056
15063	09/25/2008	12:04:39	0.056
15064	09/25/2008	12:04:40	0.050
15065	09/25/2008	12:04:41	0.058
15066	09/25/2008	12:04:42	0.054
15067	09/25/2008	12:04:43	0.052
15068	09/25/2008	12:04:44	0.053
15069	09/25/2008	12:04:45	0.051
15070	09/25/2008	12:04:46	0.054
15071	09/25/2008	12:04:47	0.051
15072	09/25/2008	12:04:48	0.065
15073	09/25/2008	12:04:49	0.052
15074	09/25/2008	12:04:50	0.050
15075	09/25/2008	12:04:51	0.049
15076	09/25/2008	12:04:52	0.105
15077	09/25/2008	12:04:53	0.050
15078	09/25/2008	12:04:54	0.051
15079	09/25/2008	12:04:55	0.050
15080	09/25/2008	12:04:56	0.058
15081	09/25/2008	12:04:57	0.049
15082	09/25/2008	12:04:58	0.050
15083	09/25/2008	12:04:59	0.055
15084	09/25/2008	12:05:00	0.055
15085	09/25/2008	12:05:01	0.052
15086	09/25/2008	12:05:02	0.054
15087	09/25/2008	12:05:03	0.060
15088	09/25/2008	12:05:04	0.061
15089	09/25/2008	12:05:05	0.050
15090	09/25/2008	12:05:06	0.051
15091	09/25/2008	12:05:07	0.052
15092	09/25/2008	12:05:08	0.056
15093	09/25/2008	12:05:09	0.051
15094	09/25/2008	12:05:10	0.051
15095	09/25/2008	12:05:11	0.049
15096	09/25/2008	12:05:12	0.073
15097	09/25/2008	12:05:13	0.052
15098	09/25/2008	12:05:14	0.053
15099	09/25/2008	12:05:15	0.059
15100	09/25/2008	12:05:16	0.049
15101	09/25/2008	12:05:17	0.058
15102	09/25/2008	12:05:18	0.054
15103	09/25/2008	12:05:19	0.055
15104	09/25/2008	12:05:20	0.057
15105	09/25/2008	12:05:21	0.053
15106	09/25/2008	12:05:22	0.048
15107	09/25/2008	12:05:23	0.051
15108	09/25/2008	12:05:24	0.047
15109	09/25/2008	12:05:25	0.051
15110	09/25/2008	12:05:26	0.060
15111	09/25/2008	12:05:27	0.057
15112	09/25/2008	12:05:28	0.057
15113	09/25/2008	12:05:29	0.053

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
15114	09/25/2008	12:05:30	0.059
15115	09/25/2008	12:05:31	0.052
15116	09/25/2008	12:05:32	0.046
15117	09/25/2008	12:05:33	0.054
15118	09/25/2008	12:05:34	0.055
15119	09/25/2008	12:05:35	0.054
15120	09/25/2008	12:05:36	0.058
15121	09/25/2008	12:05:37	0.048
15122	09/25/2008	12:05:38	0.054
15123	09/25/2008	12:05:39	0.057
15124	09/25/2008	12:05:40	0.060
15125	09/25/2008	12:05:41	0.060
15126	09/25/2008	12:05:42	0.049
15127	09/25/2008	12:05:43	0.053
15128	09/25/2008	12:05:44	0.049
15129	09/25/2008	12:05:45	0.048
15130	09/25/2008	12:05:46	0.057
15131	09/25/2008	12:05:47	0.050
15132	09/25/2008	12:05:48	0.056
15133	09/25/2008	12:05:49	0.051
15134	09/25/2008	12:05:50	0.056
15135	09/25/2008	12:05:51	0.054
15136	09/25/2008	12:05:52	0.055
15137	09/25/2008	12:05:53	0.057
15138	09/25/2008	12:05:54	0.055
15139	09/25/2008	12:05:55	0.059
15140	09/25/2008	12:05:56	0.053
15141	09/25/2008	12:05:57	0.052
15142	09/25/2008	12:05:58	0.052
15143	09/25/2008	12:05:59	0.053
15144	09/25/2008	12:06:00	0.053
15145	09/25/2008	12:06:01	0.053
15146	09/25/2008	12:06:02	0.055
15147	09/25/2008	12:06:03	0.051
15148	09/25/2008	12:06:04	0.049
15149	09/25/2008	12:06:05	0.053
15150	09/25/2008	12:06:06	0.053
15151	09/25/2008	12:06:07	0.051
15152	09/25/2008	12:06:08	0.054
15153	09/25/2008	12:06:09	0.064
15154	09/25/2008	12:06:10	0.057
15155	09/25/2008	12:06:11	0.058
15156	09/25/2008	12:06:12	0.061
15157	09/25/2008	12:06:13	0.053
15158	09/25/2008	12:06:14	0.052
15159	09/25/2008	12:06:15	0.053
15160	09/25/2008	12:06:16	0.052
15161	09/25/2008	12:06:17	0.060
15162	09/25/2008	12:06:18	0.055
15163	09/25/2008	12:06:19	0.050
15164	09/25/2008	12:06:20	0.054
15165	09/25/2008	12:06:21	0.053
15166	09/25/2008	12:06:22	0.050
15167	09/25/2008	12:06:23	0.053
15168	09/25/2008	12:06:24	0.051

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
15169	09/25/2008	12:06:25	0.058
15170	09/25/2008	12:06:26	0.049
15171	09/25/2008	12:06:27	0.053
15172	09/25/2008	12:06:28	0.047
15173	09/25/2008	12:06:29	0.053
15174	09/25/2008	12:06:30	0.052
15175	09/25/2008	12:06:31	0.057
15176	09/25/2008	12:06:32	0.052
15177	09/25/2008	12:06:33	0.057
15178	09/25/2008	12:06:34	0.055
15179	09/25/2008	12:06:35	0.063
15180	09/25/2008	12:06:36	0.058
15181	09/25/2008	12:06:37	0.059
15182	09/25/2008	12:06:38	0.053
15183	09/25/2008	12:06:39	0.051
15184	09/25/2008	12:06:40	0.054
15185	09/25/2008	12:06:41	0.057
15186	09/25/2008	12:06:42	0.055
15187	09/25/2008	12:06:43	0.055
15188	09/25/2008	12:06:44	0.052
15189	09/25/2008	12:06:45	0.047
15190	09/25/2008	12:06:46	0.056
15191	09/25/2008	12:06:47	0.051
15192	09/25/2008	12:06:48	0.055
15193	09/25/2008	12:06:49	0.047
15194	09/25/2008	12:06:50	0.057
15195	09/25/2008	12:06:51	0.058
15196	09/25/2008	12:06:52	0.054
15197	09/25/2008	12:06:53	0.053
15198	09/25/2008	12:06:54	0.050
15199	09/25/2008	12:06:55	0.054
15200	09/25/2008	12:06:56	0.059
15201	09/25/2008	12:06:57	0.051
15202	09/25/2008	12:06:58	0.048
15203	09/25/2008	12:06:59	0.049
15204	09/25/2008	12:07:00	0.055
15205	09/25/2008	12:07:01	0.056
15206	09/25/2008	12:07:02	0.056
15207	09/25/2008	12:07:03	0.048
15208	09/25/2008	12:07:04	0.089
15209	09/25/2008	12:07:05	0.057
15210	09/25/2008	12:07:06	0.053
15211	09/25/2008	12:07:07	0.052
15212	09/25/2008	12:07:08	0.051
15213	09/25/2008	12:07:09	0.053
15214	09/25/2008	12:07:10	0.047
15215	09/25/2008	12:07:11	0.055
15216	09/25/2008	12:07:12	0.049
15217	09/25/2008	12:07:13	0.051
15218	09/25/2008	12:07:14	0.050
15219	09/25/2008	12:07:15	0.055
15220	09/25/2008	12:07:16	0.048
15221	09/25/2008	12:07:17	0.049
15222	09/25/2008	12:07:18	0.055
15223	09/25/2008	12:07:19	0.050

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
15224	09/25/2008	12:07:20	0.051
15225	09/25/2008	12:07:21	0.053
15226	09/25/2008	12:07:22	0.052
15227	09/25/2008	12:07:23	0.048
15228	09/25/2008	12:07:24	0.054
15229	09/25/2008	12:07:25	0.050
15230	09/25/2008	12:07:26	0.049
15231	09/25/2008	12:07:27	0.052
15232	09/25/2008	12:07:28	0.052
15233	09/25/2008	12:07:29	0.047
15234	09/25/2008	12:07:30	0.078
15235	09/25/2008	12:07:31	0.056
15236	09/25/2008	12:07:32	0.049
15237	09/25/2008	12:07:33	0.066
15238	09/25/2008	12:07:34	0.062
15239	09/25/2008	12:07:35	0.056
15240	09/25/2008	12:07:36	0.062
15241	09/25/2008	12:07:37	0.054
15242	09/25/2008	12:07:38	0.055
15243	09/25/2008	12:07:39	0.051
15244	09/25/2008	12:07:40	0.049
15245	09/25/2008	12:07:41	0.058
15246	09/25/2008	12:07:42	0.054
15247	09/25/2008	12:07:43	0.058
15248	09/25/2008	12:07:44	0.071
15249	09/25/2008	12:07:45	0.053
15250	09/25/2008	12:07:46	0.053
15251	09/25/2008	12:07:47	0.056
15252	09/25/2008	12:07:48	0.050
15253	09/25/2008	12:07:49	0.048
15254	09/25/2008	12:07:50	0.057
15255	09/25/2008	12:07:51	0.050
15256	09/25/2008	12:07:52	0.053
15257	09/25/2008	12:07:53	0.060
15258	09/25/2008	12:07:54	0.055
15259	09/25/2008	12:07:55	0.072
15260	09/25/2008	12:07:56	0.058
15261	09/25/2008	12:07:57	0.052
15262	09/25/2008	12:07:58	0.048
15263	09/25/2008	12:07:59	0.047
15264	09/25/2008	12:08:00	0.051
15265	09/25/2008	12:08:01	0.056
15266	09/25/2008	12:08:02	0.062
15267	09/25/2008	12:08:03	0.048
15268	09/25/2008	12:08:04	0.061
15269	09/25/2008	12:08:05	0.049
15270	09/25/2008	12:08:06	0.056
15271	09/25/2008	12:08:07	0.050
15272	09/25/2008	12:08:08	0.053
15273	09/25/2008	12:08:09	0.055
15274	09/25/2008	12:08:10	0.049
15275	09/25/2008	12:08:11	0.051
15276	09/25/2008	12:08:12	0.057
15277	09/25/2008	12:08:13	0.063
15278	09/25/2008	12:08:14	0.051



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
15279	09/25/2008	12:08:15	0.060
15280	09/25/2008	12:08:16	0.077
15281	09/25/2008	12:08:17	0.052
15282	09/25/2008	12:08:18	0.057
15283	09/25/2008	12:08:19	0.055
15284	09/25/2008	12:08:20	0.056
15285	09/25/2008	12:08:21	0.072
15286	09/25/2008	12:08:22	0.050
15287	09/25/2008	12:08:23	0.053
15288	09/25/2008	12:08:24	0.049
15289	09/25/2008	12:08:25	0.061
15290	09/25/2008	12:08:26	0.064
15291	09/25/2008	12:08:27	0.048
15292	09/25/2008	12:08:28	0.053
15293	09/25/2008	12:08:29	0.054
15294	09/25/2008	12:08:30	0.053
15295	09/25/2008	12:08:31	0.055
15296	09/25/2008	12:08:32	0.054
15297	09/25/2008	12:08:33	0.058
15298	09/25/2008	12:08:34	0.057
15299	09/25/2008	12:08:35	0.047
15300	09/25/2008	12:08:36	0.068
15301	09/25/2008	12:08:37	0.052
15302	09/25/2008	12:08:38	0.054
15303	09/25/2008	12:08:39	0.073
15304	09/25/2008	12:08:40	0.051
15305	09/25/2008	12:08:41	0.052
15306	09/25/2008	12:08:42	0.052
15307	09/25/2008	12:08:43	0.055
15308	09/25/2008	12:08:44	0.061
15309	09/25/2008	12:08:45	0.057
15310	09/25/2008	12:08:46	0.054
15311	09/25/2008	12:08:47	0.078
15312	09/25/2008	12:08:48	0.052
15313	09/25/2008	12:08:49	0.118
15314	09/25/2008	12:08:50	0.052
15315	09/25/2008	12:08:51	0.050
15316	09/25/2008	12:08:52	0.054
15317	09/25/2008	12:08:53	0.053
15318	09/25/2008	12:08:54	0.056
15319	09/25/2008	12:08:55	0.116
15320	09/25/2008	12:08:56	0.090
15321	09/25/2008	12:08:57	0.057
15322	09/25/2008	12:08:58	0.077
15323	09/25/2008	12:08:59	0.080
15324	09/25/2008	12:09:00	0.053
15325	09/25/2008	12:09:01	0.064
15326	09/25/2008	12:09:02	0.062
15327	09/25/2008	12:09:03	0.069
15328	09/25/2008	12:09:04	0.054
15329	09/25/2008	12:09:05	0.053
15330	09/25/2008	12:09:06	0.053
15331	09/25/2008	12:09:07	0.054
15332	09/25/2008	12:09:08	0.056
15333	09/25/2008	12:09:09	0.063

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
15334	09/25/2008	12:09:10	0.052
15335	09/25/2008	12:09:11	0.103
15336	09/25/2008	12:09:12	0.071
15337	09/25/2008	12:09:13	0.056
15338	09/25/2008	12:09:14	0.057
15339	09/25/2008	12:09:15	0.072
15340	09/25/2008	12:09:16	0.050
15341	09/25/2008	12:09:17	0.049
15342	09/25/2008	12:09:18	0.053
15343	09/25/2008	12:09:19	0.050
15344	09/25/2008	12:09:20	0.052
15345	09/25/2008	12:09:21	0.060
15346	09/25/2008	12:09:22	0.053
15347	09/25/2008	12:09:23	0.050
15348	09/25/2008	12:09:24	0.049
15349	09/25/2008	12:09:25	0.065
15350	09/25/2008	12:09:26	0.050
15351	09/25/2008	12:09:27	0.056
15352	09/25/2008	12:09:28	0.050
15353	09/25/2008	12:09:29	0.089
15354	09/25/2008	12:09:30	0.147
15355	09/25/2008	12:09:31	0.083
15356	09/25/2008	12:09:32	0.069
15357	09/25/2008	12:09:33	0.070
15358	09/25/2008	12:09:34	0.075
15359	09/25/2008	12:09:35	0.082
15360	09/25/2008	12:09:36	0.062
15361	09/25/2008	12:09:37	0.071
15362	09/25/2008	12:09:38	0.054
15363	09/25/2008	12:09:39	0.061
15364	09/25/2008	12:09:40	0.057
15365	09/25/2008	12:09:41	0.052
15366	09/25/2008	12:09:42	0.060
15367	09/25/2008	12:09:43	0.056
15368	09/25/2008	12:09:44	0.055
15369	09/25/2008	12:09:45	0.057
15370	09/25/2008	12:09:46	0.054
15371	09/25/2008	12:09:47	0.065
15372	09/25/2008	12:09:48	0.057
15373	09/25/2008	12:09:49	0.049
15374	09/25/2008	12:09:50	0.052
15375	09/25/2008	12:09:51	0.054
15376	09/25/2008	12:09:52	0.055
15377	09/25/2008	12:09:53	0.066
15378	09/25/2008	12:09:54	0.059
15379	09/25/2008	12:09:55	0.055
15380	09/25/2008	12:09:56	0.054
15381	09/25/2008	12:09:57	0.059
15382	09/25/2008	12:09:58	0.053
15383	09/25/2008	12:09:59	0.054
15384	09/25/2008	12:10:00	0.056
15385	09/25/2008	12:10:01	0.052
15386	09/25/2008	12:10:02	0.051
15387	09/25/2008	12:10:03	0.052
15388	09/25/2008	12:10:04	0.055

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
15389	09/25/2008	12:10:05	0.058
15390	09/25/2008	12:10:06	0.140
15391	09/25/2008	12:10:07	0.746
15392	09/25/2008	12:10:08	0.259
15393	09/25/2008	12:10:09	0.127
15394	09/25/2008	12:10:10	0.070
15395	09/25/2008	12:10:11	0.074
15396	09/25/2008	12:10:12	0.071
15397	09/25/2008	12:10:13	0.075
15398	09/25/2008	12:10:14	0.072
15399	09/25/2008	12:10:15	0.076
15400	09/25/2008	12:10:16	0.079
15401	09/25/2008	12:10:17	0.069
15402	09/25/2008	12:10:18	0.068
15403	09/25/2008	12:10:19	0.056
15404	09/25/2008	12:10:20	0.057
15405	09/25/2008	12:10:21	0.061
15406	09/25/2008	12:10:22	0.056
15407	09/25/2008	12:10:23	0.058
15408	09/25/2008	12:10:24	0.062
15409	09/25/2008	12:10:25	0.059
15410	09/25/2008	12:10:26	0.063
15411	09/25/2008	12:10:27	0.064
15412	09/25/2008	12:10:28	0.072
15413	09/25/2008	12:10:29	0.069
15414	09/25/2008	12:10:30	0.059
15415	09/25/2008	12:10:31	0.065
15416	09/25/2008	12:10:32	0.066
15417	09/25/2008	12:10:33	0.064
15418	09/25/2008	12:10:34	0.072
15419	09/25/2008	12:10:35	0.072
15420	09/25/2008	12:10:36	0.052
15421	09/25/2008	12:10:37	0.054
15422	09/25/2008	12:10:38	0.056
15423	09/25/2008	12:10:39	0.055
15424	09/25/2008	12:10:40	0.056
15425	09/25/2008	12:10:41	0.058
15426	09/25/2008	12:10:42	0.052
15427	09/25/2008	12:10:43	0.055
15428	09/25/2008	12:10:44	0.055
15429	09/25/2008	12:10:45	0.052
15430	09/25/2008	12:10:46	0.051
15431	09/25/2008	12:10:47	0.050
15432	09/25/2008	12:10:48	0.056
15433	09/25/2008	12:10:49	0.050
15434	09/25/2008	12:10:50	0.052
15435	09/25/2008	12:10:51	0.064
15436	09/25/2008	12:10:52	0.053
15437	09/25/2008	12:10:53	0.054
15438	09/25/2008	12:10:54	0.056
15439	09/25/2008	12:10:55	0.051
15440	09/25/2008	12:10:56	0.056
15441	09/25/2008	12:10:57	0.049
15442	09/25/2008	12:10:58	0.054
15443	09/25/2008	12:10:59	0.057

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
15444	09/25/2008	12:11:00	0.056
15445	09/25/2008	12:11:01	0.053
15446	09/25/2008	12:11:02	0.050
15447	09/25/2008	12:11:03	0.050
15448	09/25/2008	12:11:04	0.047
15449	09/25/2008	12:11:05	0.052
15450	09/25/2008	12:11:06	0.051
15451	09/25/2008	12:11:07	0.054
15452	09/25/2008	12:11:08	0.050
15453	09/25/2008	12:11:09	0.063
15454	09/25/2008	12:11:10	0.050
15455	09/25/2008	12:11:11	0.056
15456	09/25/2008	12:11:12	0.065
15457	09/25/2008	12:11:13	0.052
15458	09/25/2008	12:11:14	0.051
15459	09/25/2008	12:11:15	0.050
15460	09/25/2008	12:11:16	0.054
15461	09/25/2008	12:11:17	0.052
15462	09/25/2008	12:11:18	0.052
15463	09/25/2008	12:11:19	0.048
15464	09/25/2008	12:11:20	0.059
15465	09/25/2008	12:11:21	0.046
15466	09/25/2008	12:11:22	0.047
15467	09/25/2008	12:11:23	0.051
15468	09/25/2008	12:11:24	0.055
15469	09/25/2008	12:11:25	0.053
15470	09/25/2008	12:11:26	0.049
15471	09/25/2008	12:11:27	0.061
15472	09/25/2008	12:11:28	0.062
15473	09/25/2008	12:11:29	0.055
15474	09/25/2008	12:11:30	0.056
15475	09/25/2008	12:11:31	0.057
15476	09/25/2008	12:11:32	0.052
15477	09/25/2008	12:11:33	0.049
15478	09/25/2008	12:11:34	0.048
15479	09/25/2008	12:11:35	0.050
15480	09/25/2008	12:11:36	0.053
15481	09/25/2008	12:11:37	0.053
15482	09/25/2008	12:11:38	0.056
15483	09/25/2008	12:11:39	0.051
15484	09/25/2008	12:11:40	0.050
15485	09/25/2008	12:11:41	0.051
15486	09/25/2008	12:11:42	0.051
15487	09/25/2008	12:11:43	0.052
15488	09/25/2008	12:11:44	0.057
15489	09/25/2008	12:11:45	0.052
15490	09/25/2008	12:11:46	0.052
15491	09/25/2008	12:11:47	0.051
15492	09/25/2008	12:11:48	0.054
15493	09/25/2008	12:11:49	0.061
15494	09/25/2008	12:11:50	0.052
15495	09/25/2008	12:11:51	0.056
15496	09/25/2008	12:11:52	0.050
15497	09/25/2008	12:11:53	0.050
15498	09/25/2008	12:11:54	0.052

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
15499	09/25/2008	12:11:55	0.051
15500	09/25/2008	12:11:56	0.053
15501	09/25/2008	12:11:57	0.060
15502	09/25/2008	12:11:58	0.050
15503	09/25/2008	12:11:59	0.058
15504	09/25/2008	12:12:00	0.050
15505	09/25/2008	12:12:01	0.054
15506	09/25/2008	12:12:02	0.048
15507	09/25/2008	12:12:03	0.054
15508	09/25/2008	12:12:04	0.049
15509	09/25/2008	12:12:05	0.060
15510	09/25/2008	12:12:06	0.054
15511	09/25/2008	12:12:07	0.060
15512	09/25/2008	12:12:08	0.056
15513	09/25/2008	12:12:09	0.056
15514	09/25/2008	12:12:10	0.057
15515	09/25/2008	12:12:11	0.050
15516	09/25/2008	12:12:12	0.052
15517	09/25/2008	12:12:13	0.059
15518	09/25/2008	12:12:14	0.048
15519	09/25/2008	12:12:15	0.052
15520	09/25/2008	12:12:16	0.057
15521	09/25/2008	12:12:17	0.053
15522	09/25/2008	12:12:18	0.070
15523	09/25/2008	12:12:19	0.050
15524	09/25/2008	12:12:20	0.052
15525	09/25/2008	12:12:21	0.051
15526	09/25/2008	12:12:22	0.064
15527	09/25/2008	12:12:23	0.065
15528	09/25/2008	12:12:24	0.054
15529	09/25/2008	12:12:25	0.052
15530	09/25/2008	12:12:26	0.054
15531	09/25/2008	12:12:27	0.058
15532	09/25/2008	12:12:28	0.055
15533	09/25/2008	12:12:29	0.052
15534	09/25/2008	12:12:30	0.048
15535	09/25/2008	12:12:31	0.053
15536	09/25/2008	12:12:32	0.072
15537	09/25/2008	12:12:33	0.077
15538	09/25/2008	12:12:34	0.050
15539	09/25/2008	12:12:35	0.055
15540	09/25/2008	12:12:36	0.057
15541	09/25/2008	12:12:37	0.053
15542	09/25/2008	12:12:38	0.054
15543	09/25/2008	12:12:39	0.057
15544	09/25/2008	12:12:40	0.056
15545	09/25/2008	12:12:41	0.056
15546	09/25/2008	12:12:42	0.054
15547	09/25/2008	12:12:43	0.120
15548	09/25/2008	12:12:44	0.053
15549	09/25/2008	12:12:45	0.057
15550	09/25/2008	12:12:46	0.053
15551	09/25/2008	12:12:47	0.055
15552	09/25/2008	12:12:48	0.054
15553	09/25/2008	12:12:49	0.056

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
15554	09/25/2008	12:12:50	0.047
15555	09/25/2008	12:12:51	0.053
15556	09/25/2008	12:12:52	0.051
15557	09/25/2008	12:12:53	0.053
15558	09/25/2008	12:12:54	0.050
15559	09/25/2008	12:12:55	0.050
15560	09/25/2008	12:12:56	0.051
15561	09/25/2008	12:12:57	0.051
15562	09/25/2008	12:12:58	0.055
15563	09/25/2008	12:12:59	0.055
15564	09/25/2008	12:13:00	0.053
15565	09/25/2008	12:13:01	0.051
15566	09/25/2008	12:13:02	0.056
15567	09/25/2008	12:13:03	0.054
15568	09/25/2008	12:13:04	0.057
15569	09/25/2008	12:13:05	0.064
15570	09/25/2008	12:13:06	0.101
15571	09/25/2008	12:13:07	0.136
15572	09/25/2008	12:13:08	0.107
15573	09/25/2008	12:13:09	0.065
15574	09/25/2008	12:13:10	0.064
15575	09/25/2008	12:13:11	0.068
15576	09/25/2008	12:13:12	0.073
15577	09/25/2008	12:13:13	0.067
15578	09/25/2008	12:13:14	0.064
15579	09/25/2008	12:13:15	0.080
15580	09/25/2008	12:13:16	0.062
15581	09/25/2008	12:13:17	0.059
15582	09/25/2008	12:13:18	0.070
15583	09/25/2008	12:13:19	0.063
15584	09/25/2008	12:13:20	0.064
15585	09/25/2008	12:13:21	0.067
15586	09/25/2008	12:13:22	0.068
15587	09/25/2008	12:13:23	0.070
15588	09/25/2008	12:13:24	0.060
15589	09/25/2008	12:13:25	0.060
15590	09/25/2008	12:13:26	0.057
15591	09/25/2008	12:13:27	0.058
15592	09/25/2008	12:13:28	0.066
15593	09/25/2008	12:13:29	0.087
15594	09/25/2008	12:13:30	0.076
15595	09/25/2008	12:13:31	0.085
15596	09/25/2008	12:13:32	0.067
15597	09/25/2008	12:13:33	0.103
15598	09/25/2008	12:13:34	0.076
15599	09/25/2008	12:13:35	0.074
15600	09/25/2008	12:13:36	0.062
15601	09/25/2008	12:13:37	0.053
15602	09/25/2008	12:13:38	0.067
15603	09/25/2008	12:13:39	0.070
15604	09/25/2008	12:13:40	0.079
15605	09/25/2008	12:13:41	0.073
15606	09/25/2008	12:13:42	0.240
15607	09/25/2008	12:13:43	0.085
15608	09/25/2008	12:13:44	0.083

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
15609	09/25/2008	12:13:45	0.073
15610	09/25/2008	12:13:46	0.153
15611	09/25/2008	12:13:47	0.122
15612	09/25/2008	12:13:48	0.110
15613	09/25/2008	12:13:49	0.078
15614	09/25/2008	12:13:50	0.084
15615	09/25/2008	12:13:51	0.088
15616	09/25/2008	12:13:52	0.089
15617	09/25/2008	12:13:53	0.088
15618	09/25/2008	12:13:54	0.073
15619	09/25/2008	12:13:55	0.092
15620	09/25/2008	12:13:56	0.106
15621	09/25/2008	12:13:57	0.106
15622	09/25/2008	12:13:58	0.074
15623	09/25/2008	12:13:59	0.073
15624	09/25/2008	12:14:00	0.069
15625	09/25/2008	12:14:01	0.063
15626	09/25/2008	12:14:02	0.062
15627	09/25/2008	12:14:03	0.064
15628	09/25/2008	12:14:04	0.065
15629	09/25/2008	12:14:05	0.059
15630	09/25/2008	12:14:06	0.063
15631	09/25/2008	12:14:07	0.072
15632	09/25/2008	12:14:08	0.062
15633	09/25/2008	12:14:09	0.048
15634	09/25/2008	12:14:10	0.055
15635	09/25/2008	12:14:11	0.062
15636	09/25/2008	12:14:12	0.058
15637	09/25/2008	12:14:13	0.059
15638	09/25/2008	12:14:14	0.057
15639	09/25/2008	12:14:15	0.050
15640	09/25/2008	12:14:16	0.053
15641	09/25/2008	12:14:17	0.050
15642	09/25/2008	12:14:18	0.049
15643	09/25/2008	12:14:19	0.054
15644	09/25/2008	12:14:20	0.053
15645	09/25/2008	12:14:21	0.057
15646	09/25/2008	12:14:22	0.059
15647	09/25/2008	12:14:23	0.051
15648	09/25/2008	12:14:24	0.061
15649	09/25/2008	12:14:25	0.064
15650	09/25/2008	12:14:26	0.131
15651	09/25/2008	12:14:27	0.070
15652	09/25/2008	12:14:28	0.057
15653	09/25/2008	12:14:29	0.055
15654	09/25/2008	12:14:30	0.052
15655	09/25/2008	12:14:31	0.052
15656	09/25/2008	12:14:32	0.053
15657	09/25/2008	12:14:33	0.050
15658	09/25/2008	12:14:34	0.055
15659	09/25/2008	12:14:35	0.050
15660	09/25/2008	12:14:36	0.055
15661	09/25/2008	12:14:37	0.054
15662	09/25/2008	12:14:38	0.051
15663	09/25/2008	12:14:39	0.050

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
15664	09/25/2008	12:14:40	0.047
15665	09/25/2008	12:14:41	0.052
15666	09/25/2008	12:14:42	0.052
15667	09/25/2008	12:14:43	0.051
15668	09/25/2008	12:14:44	0.048
15669	09/25/2008	12:14:45	0.053
15670	09/25/2008	12:14:46	0.053
15671	09/25/2008	12:14:47	0.050
15672	09/25/2008	12:14:48	0.055
15673	09/25/2008	12:14:49	0.048
15674	09/25/2008	12:14:50	0.055
15675	09/25/2008	12:14:51	0.051
15676	09/25/2008	12:14:52	0.054
15677	09/25/2008	12:14:53	0.070
15678	09/25/2008	12:14:54	0.047
15679	09/25/2008	12:14:55	0.050
15680	09/25/2008	12:14:56	0.104
15681	09/25/2008	12:14:57	0.057
15682	09/25/2008	12:14:58	0.053
15683	09/25/2008	12:14:59	0.056
15684	09/25/2008	12:15:00	0.088
15685	09/25/2008	12:15:01	0.053
15686	09/25/2008	12:15:02	0.049
15687	09/25/2008	12:15:03	0.063
15688	09/25/2008	12:15:04	0.050
15689	09/25/2008	12:15:05	0.053
15690	09/25/2008	12:15:06	0.062
15691	09/25/2008	12:15:07	0.048
15692	09/25/2008	12:15:08	0.057
15693	09/25/2008	12:15:09	0.054
15694	09/25/2008	12:15:10	0.052
15695	09/25/2008	12:15:11	0.060
15696	09/25/2008	12:15:12	0.050
15697	09/25/2008	12:15:13	0.052
15698	09/25/2008	12:15:14	0.060
15699	09/25/2008	12:15:15	0.049
15700	09/25/2008	12:15:16	0.050
15701	09/25/2008	12:15:17	0.049
15702	09/25/2008	12:15:18	0.049
15703	09/25/2008	12:15:19	0.053
15704	09/25/2008	12:15:20	0.059
15705	09/25/2008	12:15:21	0.052
15706	09/25/2008	12:15:22	0.070
15707	09/25/2008	12:15:23	0.100
15708	09/25/2008	12:15:24	0.053
15709	09/25/2008	12:15:25	0.118
15710	09/25/2008	12:15:26	0.052
15711	09/25/2008	12:15:27	0.054
15712	09/25/2008	12:15:28	0.058
15713	09/25/2008	12:15:29	0.051
15714	09/25/2008	12:15:30	0.052
15715	09/25/2008	12:15:31	0.049
15716	09/25/2008	12:15:32	0.056
15717	09/25/2008	12:15:33	0.049
15718	09/25/2008	12:15:34	0.048



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
15719	09/25/2008	12:15:35	0.051
15720	09/25/2008	12:15:36	0.053
15721	09/25/2008	12:15:37	0.050
15722	09/25/2008	12:15:38	0.049
15723	09/25/2008	12:15:39	0.056
15724	09/25/2008	12:15:40	0.056
15725	09/25/2008	12:15:41	0.052
15726	09/25/2008	12:15:42	0.053
15727	09/25/2008	12:15:43	0.053
15728	09/25/2008	12:15:44	0.055
15729	09/25/2008	12:15:45	0.056
15730	09/25/2008	12:15:46	0.059
15731	09/25/2008	12:15:47	0.074
15732	09/25/2008	12:15:48	0.051
15733	09/25/2008	12:15:49	0.051
15734	09/25/2008	12:15:50	0.051
15735	09/25/2008	12:15:51	0.050
15736	09/25/2008	12:15:52	0.051
15737	09/25/2008	12:15:53	0.056
15738	09/25/2008	12:15:54	0.072
15739	09/25/2008	12:15:55	0.115
15740	09/25/2008	12:15:56	0.158
15741	09/25/2008	12:15:57	0.265
15742	09/25/2008	12:15:58	0.119
15743	09/25/2008	12:15:59	0.091
15744	09/25/2008	12:16:00	0.107
15745	09/25/2008	12:16:01	0.078
15746	09/25/2008	12:16:02	0.073
15747	09/25/2008	12:16:03	0.066
15748	09/25/2008	12:16:04	0.076
15749	09/25/2008	12:16:05	0.056
15750	09/25/2008	12:16:06	0.070
15751	09/25/2008	12:16:07	0.087
15752	09/25/2008	12:16:08	0.061
15753	09/25/2008	12:16:09	0.053
15754	09/25/2008	12:16:10	0.055
15755	09/25/2008	12:16:11	0.063
15756	09/25/2008	12:16:12	0.069
15757	09/25/2008	12:16:13	0.054
15758	09/25/2008	12:16:14	0.052
15759	09/25/2008	12:16:15	0.062
15760	09/25/2008	12:16:16	0.060
15761	09/25/2008	12:16:17	0.055
15762	09/25/2008	12:16:18	0.070
15763	09/25/2008	12:16:19	0.077
15764	09/25/2008	12:16:20	0.051
15765	09/25/2008	12:16:21	0.053
15766	09/25/2008	12:16:22	0.062
15767	09/25/2008	12:16:23	0.056
15768	09/25/2008	12:16:24	0.052
15769	09/25/2008	12:16:25	0.064
15770	09/25/2008	12:16:26	0.120
15771	09/25/2008	12:16:27	0.051
15772	09/25/2008	12:16:28	0.056
15773	09/25/2008	12:16:29	0.057

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
15774	09/25/2008	12:16:30	0.050
15775	09/25/2008	12:16:31	0.062
15776	09/25/2008	12:16:32	0.079
15777	09/25/2008	12:16:33	0.053
15778	09/25/2008	12:16:34	0.053
15779	09/25/2008	12:16:35	0.063
15780	09/25/2008	12:16:36	0.051
15781	09/25/2008	12:16:37	0.056
15782	09/25/2008	12:16:38	0.051
15783	09/25/2008	12:16:39	0.057
15784	09/25/2008	12:16:40	0.049
15785	09/25/2008	12:16:41	0.053
15786	09/25/2008	12:16:42	0.051
15787	09/25/2008	12:16:43	0.051
15788	09/25/2008	12:16:44	0.055
15789	09/25/2008	12:16:45	0.073
15790	09/25/2008	12:16:46	0.048
15791	09/25/2008	12:16:47	0.052
15792	09/25/2008	12:16:48	0.053
15793	09/25/2008	12:16:49	0.052
15794	09/25/2008	12:16:50	0.139
15795	09/25/2008	12:16:51	0.049
15796	09/25/2008	12:16:52	0.071
15797	09/25/2008	12:16:53	0.068
15798	09/25/2008	12:16:54	0.080
15799	09/25/2008	12:16:55	0.076
15800	09/25/2008	12:16:56	0.051
15801	09/25/2008	12:16:57	0.049
15802	09/25/2008	12:16:58	0.054
15803	09/25/2008	12:16:59	0.057
15804	09/25/2008	12:17:00	0.054
15805	09/25/2008	12:17:01	0.055
15806	09/25/2008	12:17:02	0.059
15807	09/25/2008	12:17:03	0.052
15808	09/25/2008	12:17:04	0.054
15809	09/25/2008	12:17:05	0.054
15810	09/25/2008	12:17:06	0.058
15811	09/25/2008	12:17:07	0.060
15812	09/25/2008	12:17:08	0.108
15813	09/25/2008	12:17:09	0.108
15814	09/25/2008	12:17:10	0.078
15815	09/25/2008	12:17:11	0.077
15816	09/25/2008	12:17:12	0.217
15817	09/25/2008	12:17:13	0.097
15818	09/25/2008	12:17:14	0.084
15819	09/25/2008	12:17:15	0.074
15820	09/25/2008	12:17:16	0.065
15821	09/25/2008	12:17:17	0.061
15822	09/25/2008	12:17:18	0.066
15823	09/25/2008	12:17:19	0.065
15824	09/25/2008	12:17:20	0.072
15825	09/25/2008	12:17:21	0.066
15826	09/25/2008	12:17:22	0.073
15827	09/25/2008	12:17:23	0.059
15828	09/25/2008	12:17:24	0.066

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
15829	09/25/2008	12:17:25	0.064
15830	09/25/2008	12:17:26	0.069
15831	09/25/2008	12:17:27	0.081
15832	09/25/2008	12:17:28	0.073
15833	09/25/2008	12:17:29	0.089
15834	09/25/2008	12:17:30	0.121
15835	09/25/2008	12:17:31	0.096
15836	09/25/2008	12:17:32	0.074
15837	09/25/2008	12:17:33	0.065
15838	09/25/2008	12:17:34	0.062
15839	09/25/2008	12:17:35	0.061
15840	09/25/2008	12:17:36	0.056
15841	09/25/2008	12:17:37	0.062
15842	09/25/2008	12:17:38	0.077
15843	09/25/2008	12:17:39	0.062
15844	09/25/2008	12:17:40	0.086
15845	09/25/2008	12:17:41	0.057
15846	09/25/2008	12:17:42	0.065
15847	09/25/2008	12:17:43	0.067
15848	09/25/2008	12:17:44	0.076
15849	09/25/2008	12:17:45	0.074
15850	09/25/2008	12:17:46	0.066
15851	09/25/2008	12:17:47	0.069
15852	09/25/2008	12:17:48	0.072
15853	09/25/2008	12:17:49	0.125
15854	09/25/2008	12:17:50	0.124
15855	09/25/2008	12:17:51	0.096
15856	09/25/2008	12:17:52	0.086
15857	09/25/2008	12:17:53	0.098
15858	09/25/2008	12:17:54	0.081
15859	09/25/2008	12:17:55	0.112
15860	09/25/2008	12:17:56	0.092
15861	09/25/2008	12:17:57	0.147
15862	09/25/2008	12:17:58	0.127
15863	09/25/2008	12:17:59	0.101
15864	09/25/2008	12:18:00	0.086
15865	09/25/2008	12:18:01	0.108
15866	09/25/2008	12:18:02	0.129
15867	09/25/2008	12:18:03	0.091
15868	09/25/2008	12:18:04	0.071
15869	09/25/2008	12:18:05	0.076
15870	09/25/2008	12:18:06	0.098
15871	09/25/2008	12:18:07	0.076
15872	09/25/2008	12:18:08	0.092
15873	09/25/2008	12:18:09	0.069
15874	09/25/2008	12:18:10	0.071
15875	09/25/2008	12:18:11	0.075
15876	09/25/2008	12:18:12	0.063
15877	09/25/2008	12:18:13	0.076
15878	09/25/2008	12:18:14	0.062
15879	09/25/2008	12:18:15	0.073
15880	09/25/2008	12:18:16	0.057
15881	09/25/2008	12:18:17	0.057
15882	09/25/2008	12:18:18	0.055
15883	09/25/2008	12:18:19	0.059

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
15884	09/25/2008	12:18:20	0.064
15885	09/25/2008	12:18:21	0.063
15886	09/25/2008	12:18:22	0.068
15887	09/25/2008	12:18:23	0.070
15888	09/25/2008	12:18:24	0.062
15889	09/25/2008	12:18:25	0.060
15890	09/25/2008	12:18:26	0.068
15891	09/25/2008	12:18:27	0.062
15892	09/25/2008	12:18:28	0.081
15893	09/25/2008	12:18:29	0.065
15894	09/25/2008	12:18:30	0.067
15895	09/25/2008	12:18:31	0.054
15896	09/25/2008	12:18:32	0.084
15897	09/25/2008	12:18:33	0.056
15898	09/25/2008	12:18:34	0.059
15899	09/25/2008	12:18:35	0.059
15900	09/25/2008	12:18:36	0.053
15901	09/25/2008	12:18:37	0.066
15902	09/25/2008	12:18:38	0.066
15903	09/25/2008	12:18:39	0.059
15904	09/25/2008	12:18:40	0.065
15905	09/25/2008	12:18:41	0.059
15906	09/25/2008	12:18:42	0.086
15907	09/25/2008	12:18:43	0.082
15908	09/25/2008	12:18:44	0.108
15909	09/25/2008	12:18:45	0.066
15910	09/25/2008	12:18:46	0.053
15911	09/25/2008	12:18:47	0.067
15912	09/25/2008	12:18:48	0.059
15913	09/25/2008	12:18:49	0.094
15914	09/25/2008	12:18:50	0.061
15915	09/25/2008	12:18:51	0.055
15916	09/25/2008	12:18:52	0.053
15917	09/25/2008	12:18:53	0.051
15918	09/25/2008	12:18:54	0.055
15919	09/25/2008	12:18:55	0.056
15920	09/25/2008	12:18:56	0.052
15921	09/25/2008	12:18:57	0.052
15922	09/25/2008	12:18:58	0.049
15923	09/25/2008	12:18:59	0.052
15924	09/25/2008	12:19:00	0.048
15925	09/25/2008	12:19:01	0.054
15926	09/25/2008	12:19:02	0.056
15927	09/25/2008	12:19:03	0.052
15928	09/25/2008	12:19:04	0.052
15929	09/25/2008	12:19:05	0.051
15930	09/25/2008	12:19:06	0.056
15931	09/25/2008	12:19:07	0.066
15932	09/25/2008	12:19:08	0.061
15933	09/25/2008	12:19:09	0.068
15934	09/25/2008	12:19:10	0.066
15935	09/25/2008	12:19:11	0.060
15936	09/25/2008	12:19:12	0.055
15937	09/25/2008	12:19:13	0.056
15938	09/25/2008	12:19:14	0.073

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
15939	09/25/2008	12:19:15	0.085
15940	09/25/2008	12:19:16	0.064
15941	09/25/2008	12:19:17	0.055
15942	09/25/2008	12:19:18	0.060
15943	09/25/2008	12:19:19	0.052
15944	09/25/2008	12:19:20	0.085
15945	09/25/2008	12:19:21	0.080
15946	09/25/2008	12:19:22	0.108
15947	09/25/2008	12:19:23	0.086
15948	09/25/2008	12:19:24	0.066
15949	09/25/2008	12:19:25	0.060
15950	09/25/2008	12:19:26	0.097
15951	09/25/2008	12:19:27	0.064
15952	09/25/2008	12:19:28	0.071
15953	09/25/2008	12:19:29	0.098
15954	09/25/2008	12:19:30	0.102
15955	09/25/2008	12:19:31	0.058
15956	09/25/2008	12:19:32	0.067
15957	09/25/2008	12:19:33	0.063
15958	09/25/2008	12:19:34	0.098
15959	09/25/2008	12:19:35	0.069
15960	09/25/2008	12:19:36	0.053
15961	09/25/2008	12:19:37	0.061
15962	09/25/2008	12:19:38	0.056
15963	09/25/2008	12:19:39	0.067
15964	09/25/2008	12:19:40	0.066
15965	09/25/2008	12:19:41	0.061
15966	09/25/2008	12:19:42	0.050
15967	09/25/2008	12:19:43	0.059
15968	09/25/2008	12:19:44	0.050
15969	09/25/2008	12:19:45	0.069
15970	09/25/2008	12:19:46	0.061
15971	09/25/2008	12:19:47	0.053
15972	09/25/2008	12:19:48	0.054
15973	09/25/2008	12:19:49	0.052
15974	09/25/2008	12:19:50	0.063
15975	09/25/2008	12:19:51	0.049
15976	09/25/2008	12:19:52	0.055
15977	09/25/2008	12:19:53	0.065
15978	09/25/2008	12:19:54	0.055
15979	09/25/2008	12:19:55	0.056
15980	09/25/2008	12:19:56	0.056
15981	09/25/2008	12:19:57	0.051
15982	09/25/2008	12:19:58	0.049
15983	09/25/2008	12:19:59	0.053
15984	09/25/2008	12:20:00	0.055
15985	09/25/2008	12:20:01	0.073
15986	09/25/2008	12:20:02	0.058
15987	09/25/2008	12:20:03	0.062
15988	09/25/2008	12:20:04	0.051
15989	09/25/2008	12:20:05	0.052
15990	09/25/2008	12:20:06	0.050
15991	09/25/2008	12:20:07	0.062
15992	09/25/2008	12:20:08	0.054
15993	09/25/2008	12:20:09	0.050

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
15994	09/25/2008	12:20:10	0.055
15995	09/25/2008	12:20:11	0.053
15996	09/25/2008	12:20:12	0.068
15997	09/25/2008	12:20:13	0.066
15998	09/25/2008	12:20:14	0.049
15999	09/25/2008	12:20:15	0.052
16000	09/25/2008	12:20:16	0.051
16001	09/25/2008	12:20:17	0.053
16002	09/25/2008	12:20:18	0.053
16003	09/25/2008	12:20:19	0.049
16004	09/25/2008	12:20:20	0.049
16005	09/25/2008	12:20:21	0.054
16006	09/25/2008	12:20:22	0.049
16007	09/25/2008	12:20:23	0.057
16008	09/25/2008	12:20:24	0.048
16009	09/25/2008	12:20:25	0.051
16010	09/25/2008	12:20:26	0.054
16011	09/25/2008	12:20:27	0.061
16012	09/25/2008	12:20:28	0.051
16013	09/25/2008	12:20:29	0.061
16014	09/25/2008	12:20:30	0.061
16015	09/25/2008	12:20:31	0.059
16016	09/25/2008	12:20:32	0.052
16017	09/25/2008	12:20:33	0.050
16018	09/25/2008	12:20:34	0.049
16019	09/25/2008	12:20:35	0.050
16020	09/25/2008	12:20:36	0.050
16021	09/25/2008	12:20:37	0.059
16022	09/25/2008	12:20:38	0.056
16023	09/25/2008	12:20:39	0.059
16024	09/25/2008	12:20:40	0.055
16025	09/25/2008	12:20:41	0.060
16026	09/25/2008	12:20:42	0.053
16027	09/25/2008	12:20:43	0.069
16028	09/25/2008	12:20:44	0.054
16029	09/25/2008	12:20:45	0.050
16030	09/25/2008	12:20:46	0.056
16031	09/25/2008	12:20:47	0.058
16032	09/25/2008	12:20:48	0.059
16033	09/25/2008	12:20:49	0.057
16034	09/25/2008	12:20:50	0.075
16035	09/25/2008	12:20:51	0.105
16036	09/25/2008	12:20:52	0.094
16037	09/25/2008	12:20:53	0.061
16038	09/25/2008	12:20:54	0.061
16039	09/25/2008	12:20:55	0.060
16040	09/25/2008	12:20:56	0.054
16041	09/25/2008	12:20:57	0.069
16042	09/25/2008	12:20:58	0.055
16043	09/25/2008	12:20:59	0.063
16044	09/25/2008	12:21:00	0.063
16045	09/25/2008	12:21:01	0.053
16046	09/25/2008	12:21:02	0.056
16047	09/25/2008	12:21:03	0.061
16048	09/25/2008	12:21:04	0.050

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
16049	09/25/2008	12:21:05	0.050
16050	09/25/2008	12:21:06	0.055
16051	09/25/2008	12:21:07	0.055
16052	09/25/2008	12:21:08	0.053
16053	09/25/2008	12:21:09	0.059
16054	09/25/2008	12:21:10	0.055
16055	09/25/2008	12:21:11	0.061
16056	09/25/2008	12:21:12	0.052
16057	09/25/2008	12:21:13	0.054
16058	09/25/2008	12:21:14	0.052
16059	09/25/2008	12:21:15	0.057
16060	09/25/2008	12:21:16	0.065
16061	09/25/2008	12:21:17	0.055
16062	09/25/2008	12:21:18	0.068
16063	09/25/2008	12:21:19	0.057
16064	09/25/2008	12:21:20	0.057
16065	09/25/2008	12:21:21	0.054
16066	09/25/2008	12:21:22	0.058
16067	09/25/2008	12:21:23	0.055
16068	09/25/2008	12:21:24	0.054
16069	09/25/2008	12:21:25	0.053
16070	09/25/2008	12:21:26	0.049
16071	09/25/2008	12:21:27	0.054
16072	09/25/2008	12:21:28	0.050
16073	09/25/2008	12:21:29	0.054
16074	09/25/2008	12:21:30	0.052
16075	09/25/2008	12:21:31	0.050
16076	09/25/2008	12:21:32	0.055
16077	09/25/2008	12:21:33	0.051
16078	09/25/2008	12:21:34	0.055
16079	09/25/2008	12:21:35	0.055
16080	09/25/2008	12:21:36	0.088
16081	09/25/2008	12:21:37	0.053
16082	09/25/2008	12:21:38	0.058
16083	09/25/2008	12:21:39	0.060
16084	09/25/2008	12:21:40	0.056
16085	09/25/2008	12:21:41	0.049
16086	09/25/2008	12:21:42	0.053
16087	09/25/2008	12:21:43	0.057
16088	09/25/2008	12:21:44	0.064
16089	09/25/2008	12:21:45	0.062
16090	09/25/2008	12:21:46	0.060
16091	09/25/2008	12:21:47	0.062
16092	09/25/2008	12:21:48	0.059
16093	09/25/2008	12:21:49	0.066
16094	09/25/2008	12:21:50	0.053
16095	09/25/2008	12:21:51	0.061
16096	09/25/2008	12:21:52	0.059
16097	09/25/2008	12:21:53	0.055
16098	09/25/2008	12:21:54	0.058
16099	09/25/2008	12:21:55	0.051
16100	09/25/2008	12:21:56	0.054
16101	09/25/2008	12:21:57	0.058
16102	09/25/2008	12:21:58	0.055
16103	09/25/2008	12:21:59	0.050

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
16104	09/25/2008	12:22:00	0.048
16105	09/25/2008	12:22:01	0.054
16106	09/25/2008	12:22:02	0.060
16107	09/25/2008	12:22:03	0.056
16108	09/25/2008	12:22:04	0.054
16109	09/25/2008	12:22:05	0.082
16110	09/25/2008	12:22:06	0.055
16111	09/25/2008	12:22:07	0.051
16112	09/25/2008	12:22:08	0.055
16113	09/25/2008	12:22:09	0.051
16114	09/25/2008	12:22:10	0.069
16115	09/25/2008	12:22:11	0.051
16116	09/25/2008	12:22:12	0.053
16117	09/25/2008	12:22:13	0.062
16118	09/25/2008	12:22:14	0.052
16119	09/25/2008	12:22:15	0.053
16120	09/25/2008	12:22:16	0.055
16121	09/25/2008	12:22:17	0.052
16122	09/25/2008	12:22:18	0.054
16123	09/25/2008	12:22:19	0.058
16124	09/25/2008	12:22:20	0.059
16125	09/25/2008	12:22:21	0.054
16126	09/25/2008	12:22:22	0.054
16127	09/25/2008	12:22:23	0.054
16128	09/25/2008	12:22:24	0.053
16129	09/25/2008	12:22:25	0.049
16130	09/25/2008	12:22:26	0.053
16131	09/25/2008	12:22:27	0.057
16132	09/25/2008	12:22:28	0.053
16133	09/25/2008	12:22:29	0.054
16134	09/25/2008	12:22:30	0.050
16135	09/25/2008	12:22:31	0.051
16136	09/25/2008	12:22:32	0.047
16137	09/25/2008	12:22:33	0.052
16138	09/25/2008	12:22:34	0.051
16139	09/25/2008	12:22:35	0.063
16140	09/25/2008	12:22:36	0.062
16141	09/25/2008	12:22:37	0.058
16142	09/25/2008	12:22:38	0.057
16143	09/25/2008	12:22:39	0.058
16144	09/25/2008	12:22:40	0.056
16145	09/25/2008	12:22:41	0.056
16146	09/25/2008	12:22:42	0.056
16147	09/25/2008	12:22:43	0.055
16148	09/25/2008	12:22:44	0.070
16149	09/25/2008	12:22:45	0.052
16150	09/25/2008	12:22:46	0.052
16151	09/25/2008	12:22:47	0.054
16152	09/25/2008	12:22:48	0.056
16153	09/25/2008	12:22:49	0.060
16154	09/25/2008	12:22:50	0.074
16155	09/25/2008	12:22:51	0.068
16156	09/25/2008	12:22:52	0.083
16157	09/25/2008	12:22:53	0.073
16158	09/25/2008	12:22:54	0.062



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
16159	09/25/2008	12:22:55	0.060
16160	09/25/2008	12:22:56	0.077
16161	09/25/2008	12:22:57	0.058
16162	09/25/2008	12:22:58	0.057
16163	09/25/2008	12:22:59	0.054
16164	09/25/2008	12:23:00	0.064
16165	09/25/2008	12:23:01	0.051
16166	09/25/2008	12:23:02	0.060
16167	09/25/2008	12:23:03	0.053
16168	09/25/2008	12:23:04	0.053
16169	09/25/2008	12:23:05	0.060
16170	09/25/2008	12:23:06	0.054
16171	09/25/2008	12:23:07	0.056
16172	09/25/2008	12:23:08	0.052
16173	09/25/2008	12:23:09	0.055
16174	09/25/2008	12:23:10	0.056
16175	09/25/2008	12:23:11	0.061
16176	09/25/2008	12:23:12	0.051
16177	09/25/2008	12:23:13	0.077
16178	09/25/2008	12:23:14	0.061
16179	09/25/2008	12:23:15	0.064
16180	09/25/2008	12:23:16	0.068
16181	09/25/2008	12:23:17	0.073
16182	09/25/2008	12:23:18	0.070
16183	09/25/2008	12:23:19	0.076
16184	09/25/2008	12:23:20	0.076
16185	09/25/2008	12:23:21	0.069
16186	09/25/2008	12:23:22	0.064
16187	09/25/2008	12:23:23	0.074
16188	09/25/2008	12:23:24	0.062
16189	09/25/2008	12:23:25	0.059
16190	09/25/2008	12:23:26	0.069
16191	09/25/2008	12:23:27	0.063
16192	09/25/2008	12:23:28	0.063
16193	09/25/2008	12:23:29	0.054
16194	09/25/2008	12:23:30	0.052
16195	09/25/2008	12:23:31	0.061
16196	09/25/2008	12:23:32	0.052
16197	09/25/2008	12:23:33	0.057
16198	09/25/2008	12:23:34	0.052
16199	09/25/2008	12:23:35	0.054
16200	09/25/2008	12:23:36	0.092
16201	09/25/2008	12:23:37	0.061
16202	09/25/2008	12:23:38	0.056
16203	09/25/2008	12:23:39	0.058
16204	09/25/2008	12:23:40	0.086
16205	09/25/2008	12:23:41	0.053
16206	09/25/2008	12:23:42	0.056
16207	09/25/2008	12:23:43	0.061
16208	09/25/2008	12:23:44	0.059
16209	09/25/2008	12:23:45	0.057
16210	09/25/2008	12:23:46	0.074
16211	09/25/2008	12:23:47	0.076
16212	09/25/2008	12:23:48	0.071
16213	09/25/2008	12:23:49	0.091

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
16214	09/25/2008	12:23:50	0.064
16215	09/25/2008	12:23:51	0.056
16216	09/25/2008	12:23:52	0.059
16217	09/25/2008	12:23:53	0.071
16218	09/25/2008	12:23:54	0.063
16219	09/25/2008	12:23:55	0.062
16220	09/25/2008	12:23:56	0.053
16221	09/25/2008	12:23:57	0.051
16222	09/25/2008	12:23:58	0.053
16223	09/25/2008	12:23:59	0.054
16224	09/25/2008	12:24:00	0.063
16225	09/25/2008	12:24:01	0.100
16226	09/25/2008	12:24:02	0.071
16227	09/25/2008	12:24:03	0.058
16228	09/25/2008	12:24:04	0.064
16229	09/25/2008	12:24:05	0.052
16230	09/25/2008	12:24:06	0.055
16231	09/25/2008	12:24:07	0.069
16232	09/25/2008	12:24:08	0.077
16233	09/25/2008	12:24:09	0.099
16234	09/25/2008	12:24:10	0.074
16235	09/25/2008	12:24:11	0.058
16236	09/25/2008	12:24:12	0.071
16237	09/25/2008	12:24:13	0.058
16238	09/25/2008	12:24:14	0.060
16239	09/25/2008	12:24:15	0.053
16240	09/25/2008	12:24:16	0.056
16241	09/25/2008	12:24:17	0.074
16242	09/25/2008	12:24:18	0.084
16243	09/25/2008	12:24:19	0.083
16244	09/25/2008	12:24:20	0.064
16245	09/25/2008	12:24:21	0.099
16246	09/25/2008	12:24:22	0.083
16247	09/25/2008	12:24:23	0.065
16248	09/25/2008	12:24:24	0.057
16249	09/25/2008	12:24:25	0.062
16250	09/25/2008	12:24:26	0.071
16251	09/25/2008	12:24:27	0.172
16252	09/25/2008	12:24:28	0.395
16253	09/25/2008	12:24:29	0.212
16254	09/25/2008	12:24:30	0.300
16255	09/25/2008	12:24:31	0.322
16256	09/25/2008	12:24:32	0.201
16257	09/25/2008	12:24:33	0.202
16258	09/25/2008	12:24:34	0.155
16259	09/25/2008	12:24:35	0.113
16260	09/25/2008	12:24:36	0.099
16261	09/25/2008	12:24:37	0.095
16262	09/25/2008	12:24:38	0.071
16263	09/25/2008	12:24:39	0.064
16264	09/25/2008	12:24:40	0.066
16265	09/25/2008	12:24:41	0.084
16266	09/25/2008	12:24:42	0.063
16267	09/25/2008	12:24:43	0.062
16268	09/25/2008	12:24:44	0.062

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
16269	09/25/2008	12:24:45	0.058
16270	09/25/2008	12:24:46	0.068
16271	09/25/2008	12:24:47	0.059
16272	09/25/2008	12:24:48	0.060
16273	09/25/2008	12:24:49	0.062
16274	09/25/2008	12:24:50	0.054
16275	09/25/2008	12:24:51	0.061
16276	09/25/2008	12:24:52	0.056
16277	09/25/2008	12:24:53	0.058
16278	09/25/2008	12:24:54	0.058
16279	09/25/2008	12:24:55	0.066
16280	09/25/2008	12:24:56	0.064
16281	09/25/2008	12:24:57	0.053
16282	09/25/2008	12:24:58	0.055
16283	09/25/2008	12:24:59	0.053
16284	09/25/2008	12:25:00	0.056
16285	09/25/2008	12:25:01	0.055
16286	09/25/2008	12:25:02	0.055
16287	09/25/2008	12:25:03	0.063
16288	09/25/2008	12:25:04	0.055
16289	09/25/2008	12:25:05	0.049
16290	09/25/2008	12:25:06	0.050
16291	09/25/2008	12:25:07	0.059
16292	09/25/2008	12:25:08	0.052
16293	09/25/2008	12:25:09	0.061
16294	09/25/2008	12:25:10	0.053
16295	09/25/2008	12:25:11	0.059
16296	09/25/2008	12:25:12	0.055
16297	09/25/2008	12:25:13	0.054
16298	09/25/2008	12:25:14	0.050
16299	09/25/2008	12:25:15	0.058
16300	09/25/2008	12:25:16	0.050
16301	09/25/2008	12:25:17	0.054
16302	09/25/2008	12:25:18	0.053
16303	09/25/2008	12:25:19	0.056
16304	09/25/2008	12:25:20	0.055
16305	09/25/2008	12:25:21	0.055
16306	09/25/2008	12:25:22	0.050
16307	09/25/2008	12:25:23	0.052
16308	09/25/2008	12:25:24	0.049
16309	09/25/2008	12:25:25	0.053
16310	09/25/2008	12:25:26	0.057
16311	09/25/2008	12:25:27	0.051
16312	09/25/2008	12:25:28	0.071
16313	09/25/2008	12:25:29	0.059
16314	09/25/2008	12:25:30	0.067
16315	09/25/2008	12:25:31	0.074
16316	09/25/2008	12:25:32	0.056
16317	09/25/2008	12:25:33	0.050
16318	09/25/2008	12:25:34	0.061
16319	09/25/2008	12:25:35	0.051
16320	09/25/2008	12:25:36	0.061
16321	09/25/2008	12:25:37	0.052
16322	09/25/2008	12:25:38	0.058
16323	09/25/2008	12:25:39	0.051

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
16324	09/25/2008	12:25:40	0.051
16325	09/25/2008	12:25:41	0.065
16326	09/25/2008	12:25:42	0.066
16327	09/25/2008	12:25:43	0.059
16328	09/25/2008	12:25:44	0.059
16329	09/25/2008	12:25:45	0.055
16330	09/25/2008	12:25:46	0.058
16331	09/25/2008	12:25:47	0.054
16332	09/25/2008	12:25:48	0.051
16333	09/25/2008	12:25:49	0.055
16334	09/25/2008	12:25:50	0.056
16335	09/25/2008	12:25:51	0.050
16336	09/25/2008	12:25:52	0.062
16337	09/25/2008	12:25:53	0.062
16338	09/25/2008	12:25:54	0.059
16339	09/25/2008	12:25:55	0.072
16340	09/25/2008	12:25:56	0.062
16341	09/25/2008	12:25:57	0.063
16342	09/25/2008	12:25:58	0.059
16343	09/25/2008	12:25:59	0.055
16344	09/25/2008	12:26:00	0.057
16345	09/25/2008	12:26:01	0.066
16346	09/25/2008	12:26:02	0.065
16347	09/25/2008	12:26:03	0.083
16348	09/25/2008	12:26:04	0.060
16349	09/25/2008	12:26:05	0.060
16350	09/25/2008	12:26:06	0.060
16351	09/25/2008	12:26:07	0.065
16352	09/25/2008	12:26:08	0.061
16353	09/25/2008	12:26:09	0.059
16354	09/25/2008	12:26:10	0.058
16355	09/25/2008	12:26:11	0.053
16356	09/25/2008	12:26:12	0.056
16357	09/25/2008	12:26:13	0.061
16358	09/25/2008	12:26:14	0.057
16359	09/25/2008	12:26:15	0.060
16360	09/25/2008	12:26:16	0.063
16361	09/25/2008	12:26:17	0.067
16362	09/25/2008	12:26:18	0.060
16363	09/25/2008	12:26:19	0.060
16364	09/25/2008	12:26:20	0.059
16365	09/25/2008	12:26:21	0.055
16366	09/25/2008	12:26:22	0.060
16367	09/25/2008	12:26:23	0.063
16368	09/25/2008	12:26:24	0.070
16369	09/25/2008	12:26:25	0.060
16370	09/25/2008	12:26:26	0.066
16371	09/25/2008	12:26:27	0.054
16372	09/25/2008	12:26:28	0.053
16373	09/25/2008	12:26:29	0.112
16374	09/25/2008	12:26:30	0.057
16375	09/25/2008	12:26:31	0.070
16376	09/25/2008	12:26:32	0.055
16377	09/25/2008	12:26:33	0.053
16378	09/25/2008	12:26:34	0.060

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
16379	09/25/2008	12:26:35	0.053
16380	09/25/2008	12:26:36	0.058
16381	09/25/2008	12:26:37	0.060
16382	09/25/2008	12:26:38	0.091
16383	09/25/2008	12:26:39	0.056
16384	09/25/2008	12:26:40	0.054
16385	09/25/2008	12:26:41	0.056
16386	09/25/2008	12:26:42	0.054
16387	09/25/2008	12:26:43	0.047
16388	09/25/2008	12:26:44	0.048
16389	09/25/2008	12:26:45	0.056
16390	09/25/2008	12:26:46	0.057
16391	09/25/2008	12:26:47	0.060
16392	09/25/2008	12:26:48	0.082
16393	09/25/2008	12:26:49	0.055
16394	09/25/2008	12:26:50	0.052
16395	09/25/2008	12:26:51	0.053
16396	09/25/2008	12:26:52	0.058
16397	09/25/2008	12:26:53	0.061
16398	09/25/2008	12:26:54	0.060
16399	09/25/2008	12:26:55	0.061
16400	09/25/2008	12:26:56	0.060
16401	09/25/2008	12:26:57	0.059
16402	09/25/2008	12:26:58	0.080
16403	09/25/2008	12:26:59	0.080
16404	09/25/2008	12:27:00	0.065
16405	09/25/2008	12:27:01	0.066
16406	09/25/2008	12:27:02	0.063
16407	09/25/2008	12:27:03	0.084
16408	09/25/2008	12:27:04	0.088
16409	09/25/2008	12:27:05	0.072
16410	09/25/2008	12:27:06	0.071
16411	09/25/2008	12:27:07	0.073
16412	09/25/2008	12:27:08	0.061
16413	09/25/2008	12:27:09	0.073
16414	09/25/2008	12:27:10	0.064
16415	09/25/2008	12:27:11	0.072
16416	09/25/2008	12:27:12	0.060
16417	09/25/2008	12:27:13	0.060
16418	09/25/2008	12:27:14	0.057
16419	09/25/2008	12:27:15	0.055
16420	09/25/2008	12:27:16	0.053
16421	09/25/2008	12:27:17	0.053
16422	09/25/2008	12:27:18	0.054
16423	09/25/2008	12:27:19	0.053
16424	09/25/2008	12:27:20	0.053
16425	09/25/2008	12:27:21	0.069
16426	09/25/2008	12:27:22	0.058
16427	09/25/2008	12:27:23	0.066
16428	09/25/2008	12:27:24	0.076
16429	09/25/2008	12:27:25	0.060
16430	09/25/2008	12:27:26	0.074
16431	09/25/2008	12:27:27	0.068
16432	09/25/2008	12:27:28	0.077
16433	09/25/2008	12:27:29	0.067

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
16434	09/25/2008	12:27:30	0.066
16435	09/25/2008	12:27:31	0.070
16436	09/25/2008	12:27:32	0.064
16437	09/25/2008	12:27:33	0.072
16438	09/25/2008	12:27:34	0.055
16439	09/25/2008	12:27:35	0.074
16440	09/25/2008	12:27:36	0.062
16441	09/25/2008	12:27:37	0.080
16442	09/25/2008	12:27:38	0.056
16443	09/25/2008	12:27:39	0.054
16444	09/25/2008	12:27:40	0.052
16445	09/25/2008	12:27:41	0.051
16446	09/25/2008	12:27:42	0.052
16447	09/25/2008	12:27:43	0.053
16448	09/25/2008	12:27:44	0.053
16449	09/25/2008	12:27:45	0.053
16450	09/25/2008	12:27:46	0.049
16451	09/25/2008	12:27:47	0.054
16452	09/25/2008	12:27:48	0.055
16453	09/25/2008	12:27:49	0.051
16454	09/25/2008	12:27:50	0.044
16455	09/25/2008	12:27:51	0.050
16456	09/25/2008	12:27:52	0.046
16457	09/25/2008	12:27:53	0.050
16458	09/25/2008	12:27:54	0.056
16459	09/25/2008	12:27:55	0.049
16460	09/25/2008	12:27:56	0.056
16461	09/25/2008	12:27:57	0.058
16462	09/25/2008	12:27:58	0.050
16463	09/25/2008	12:27:59	0.054
16464	09/25/2008	12:28:00	0.050
16465	09/25/2008	12:28:01	0.057
16466	09/25/2008	12:28:02	0.054
16467	09/25/2008	12:28:03	0.051
16468	09/25/2008	12:28:04	0.051
16469	09/25/2008	12:28:05	0.055
16470	09/25/2008	12:28:06	0.055
16471	09/25/2008	12:28:07	0.065
16472	09/25/2008	12:28:08	0.056
16473	09/25/2008	12:28:09	0.051
16474	09/25/2008	12:28:10	0.055
16475	09/25/2008	12:28:11	0.053
16476	09/25/2008	12:28:12	0.060
16477	09/25/2008	12:28:13	0.056
16478	09/25/2008	12:28:14	0.054
16479	09/25/2008	12:28:15	0.050
16480	09/25/2008	12:28:16	0.048
16481	09/25/2008	12:28:17	0.055
16482	09/25/2008	12:28:18	0.050
16483	09/25/2008	12:28:19	0.053
16484	09/25/2008	12:28:20	0.058
16485	09/25/2008	12:28:21	0.058
16486	09/25/2008	12:28:22	0.055
16487	09/25/2008	12:28:23	0.054
16488	09/25/2008	12:28:24	0.051

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
16489	09/25/2008	12:28:25	0.058
16490	09/25/2008	12:28:26	0.049
16491	09/25/2008	12:28:27	0.050
16492	09/25/2008	12:28:28	0.054
16493	09/25/2008	12:28:29	0.062
16494	09/25/2008	12:28:30	0.050
16495	09/25/2008	12:28:31	0.054
16496	09/25/2008	12:28:32	0.062
16497	09/25/2008	12:28:33	0.053
16498	09/25/2008	12:28:34	0.051
16499	09/25/2008	12:28:35	0.057
16500	09/25/2008	12:28:36	0.050
16501	09/25/2008	12:28:37	0.051
16502	09/25/2008	12:28:38	0.054
16503	09/25/2008	12:28:39	0.054
16504	09/25/2008	12:28:40	0.058
16505	09/25/2008	12:28:41	0.052
16506	09/25/2008	12:28:42	0.048
16507	09/25/2008	12:28:43	0.053
16508	09/25/2008	12:28:44	0.051
16509	09/25/2008	12:28:45	0.061
16510	09/25/2008	12:28:46	0.051
16511	09/25/2008	12:28:47	0.056
16512	09/25/2008	12:28:48	0.048
16513	09/25/2008	12:28:49	0.053
16514	09/25/2008	12:28:50	0.060
16515	09/25/2008	12:28:51	0.050
16516	09/25/2008	12:28:52	0.056
16517	09/25/2008	12:28:53	0.053
16518	09/25/2008	12:28:54	0.054
16519	09/25/2008	12:28:55	0.050
16520	09/25/2008	12:28:56	0.050
16521	09/25/2008	12:28:57	0.056
16522	09/25/2008	12:28:58	0.055
16523	09/25/2008	12:28:59	0.054
16524	09/25/2008	12:29:00	0.052
16525	09/25/2008	12:29:01	0.053
16526	09/25/2008	12:29:02	0.051
16527	09/25/2008	12:29:03	0.051
16528	09/25/2008	12:29:04	0.052
16529	09/25/2008	12:29:05	0.050
16530	09/25/2008	12:29:06	0.052
16531	09/25/2008	12:29:07	0.053
16532	09/25/2008	12:29:08	0.051
16533	09/25/2008	12:29:09	0.054
16534	09/25/2008	12:29:10	0.058
16535	09/25/2008	12:29:11	0.051
16536	09/25/2008	12:29:12	0.054
16537	09/25/2008	12:29:13	0.054
16538	09/25/2008	12:29:14	0.051
16539	09/25/2008	12:29:15	0.049
16540	09/25/2008	12:29:16	0.055
16541	09/25/2008	12:29:17	0.053
16542	09/25/2008	12:29:18	0.056
16543	09/25/2008	12:29:19	0.057

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
16544	09/25/2008	12:29:20	0.061
16545	09/25/2008	12:29:21	0.060
16546	09/25/2008	12:29:22	0.054
16547	09/25/2008	12:29:23	0.046
16548	09/25/2008	12:29:24	0.061
16549	09/25/2008	12:29:25	0.056
16550	09/25/2008	12:29:26	0.069
16551	09/25/2008	12:29:27	0.058
16552	09/25/2008	12:29:28	0.059
16553	09/25/2008	12:29:29	0.074
16554	09/25/2008	12:29:30	0.058
16555	09/25/2008	12:29:31	0.056
16556	09/25/2008	12:29:32	0.058
16557	09/25/2008	12:29:33	0.050
16558	09/25/2008	12:29:34	0.055
16559	09/25/2008	12:29:35	0.054
16560	09/25/2008	12:29:36	0.053
16561	09/25/2008	12:29:37	0.056
16562	09/25/2008	12:29:38	0.059
16563	09/25/2008	12:29:39	0.068
16564	09/25/2008	12:29:40	0.061
16565	09/25/2008	12:29:41	0.091
16566	09/25/2008	12:29:42	0.064
16567	09/25/2008	12:29:43	0.066
16568	09/25/2008	12:29:44	0.068
16569	09/25/2008	12:29:45	0.056
16570	09/25/2008	12:29:46	0.057
16571	09/25/2008	12:29:47	0.113
16572	09/25/2008	12:29:48	0.073
16573	09/25/2008	12:29:49	0.072
16574	09/25/2008	12:29:50	0.062
16575	09/25/2008	12:29:51	0.070
16576	09/25/2008	12:29:52	0.065
16577	09/25/2008	12:29:53	0.065
16578	09/25/2008	12:29:54	0.058
16579	09/25/2008	12:29:55	0.057
16580	09/25/2008	12:29:56	0.057
16581	09/25/2008	12:29:57	0.058
16582	09/25/2008	12:29:58	0.063
16583	09/25/2008	12:29:59	0.055
16584	09/25/2008	12:30:00	0.143
16585	09/25/2008	12:30:01	0.255
16586	09/25/2008	12:30:02	0.192
16587	09/25/2008	12:30:03	0.221
16588	09/25/2008	12:30:04	0.103
16589	09/25/2008	12:30:05	0.180
16590	09/25/2008	12:30:06	0.114
16591	09/25/2008	12:30:07	0.151
16592	09/25/2008	12:30:08	0.102
16593	09/25/2008	12:30:09	0.086
16594	09/25/2008	12:30:10	0.121
16595	09/25/2008	12:30:11	0.117
16596	09/25/2008	12:30:12	0.157
16597	09/25/2008	12:30:13	0.281
16598	09/25/2008	12:30:14	0.159



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
16599	09/25/2008	12:30:15	0.114
16600	09/25/2008	12:30:16	0.120
16601	09/25/2008	12:30:17	0.280
16602	09/25/2008	12:30:18	0.192
16603	09/25/2008	12:30:19	0.152
16604	09/25/2008	12:30:20	0.172
16605	09/25/2008	12:30:21	0.142
16606	09/25/2008	12:30:22	0.149
16607	09/25/2008	12:30:23	0.095
16608	09/25/2008	12:30:24	0.103
16609	09/25/2008	12:30:25	0.118
16610	09/25/2008	12:30:26	0.130
16611	09/25/2008	12:30:27	0.127
16612	09/25/2008	12:30:28	0.100
16613	09/25/2008	12:30:29	0.086
16614	09/25/2008	12:30:30	0.098
16615	09/25/2008	12:30:31	0.088
16616	09/25/2008	12:30:32	0.077
16617	09/25/2008	12:30:33	0.182
16618	09/25/2008	12:30:34	0.191
16619	09/25/2008	12:30:35	0.100
16620	09/25/2008	12:30:36	0.083
16621	09/25/2008	12:30:37	0.065
16622	09/25/2008	12:30:38	0.078
16623	09/25/2008	12:30:39	0.065
16624	09/25/2008	12:30:40	0.067
16625	09/25/2008	12:30:41	0.060
16626	09/25/2008	12:30:42	0.061
16627	09/25/2008	12:30:43	0.062
16628	09/25/2008	12:30:44	0.054
16629	09/25/2008	12:30:45	0.064
16630	09/25/2008	12:30:46	0.064
16631	09/25/2008	12:30:47	0.190
16632	09/25/2008	12:30:48	0.210
16633	09/25/2008	12:30:49	0.098
16634	09/25/2008	12:30:50	0.080
16635	09/25/2008	12:30:51	0.089
16636	09/25/2008	12:30:52	0.060
16637	09/25/2008	12:30:53	0.082
16638	09/25/2008	12:30:54	0.074
16639	09/25/2008	12:30:55	0.058
16640	09/25/2008	12:30:56	0.058
16641	09/25/2008	12:30:57	0.060
16642	09/25/2008	12:30:58	0.068
16643	09/25/2008	12:30:59	0.049
16644	09/25/2008	12:31:00	0.051
16645	09/25/2008	12:31:01	0.056
16646	09/25/2008	12:31:02	0.057
16647	09/25/2008	12:31:03	0.054
16648	09/25/2008	12:31:04	0.056
16649	09/25/2008	12:31:05	0.049
16650	09/25/2008	12:31:06	0.062
16651	09/25/2008	12:31:07	0.098
16652	09/25/2008	12:31:08	0.077
16653	09/25/2008	12:31:09	0.063

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
16654	09/25/2008	12:31:10	0.077
16655	09/25/2008	12:31:11	0.167
16656	09/25/2008	12:31:12	0.151
16657	09/25/2008	12:31:13	0.120
16658	09/25/2008	12:31:14	0.193
16659	09/25/2008	12:31:15	0.063
16660	09/25/2008	12:31:16	0.056
16661	09/25/2008	12:31:17	0.053
16662	09/25/2008	12:31:18	0.064
16663	09/25/2008	12:31:19	0.071
16664	09/25/2008	12:31:20	0.079
16665	09/25/2008	12:31:21	0.056
16666	09/25/2008	12:31:22	0.152
16667	09/25/2008	12:31:23	0.052
16668	09/25/2008	12:31:24	0.053
16669	09/25/2008	12:31:25	0.053
16670	09/25/2008	12:31:26	0.050
16671	09/25/2008	12:31:27	0.047
16672	09/25/2008	12:31:28	0.056
16673	09/25/2008	12:31:29	0.056
16674	09/25/2008	12:31:30	0.053
16675	09/25/2008	12:31:31	0.062
16676	09/25/2008	12:31:32	0.089
16677	09/25/2008	12:31:33	0.062
16678	09/25/2008	12:31:34	0.075
16679	09/25/2008	12:31:35	0.080
16680	09/25/2008	12:31:36	0.060
16681	09/25/2008	12:31:37	0.060
16682	09/25/2008	12:31:38	0.086
16683	09/25/2008	12:31:39	0.058
16684	09/25/2008	12:31:40	0.068
16685	09/25/2008	12:31:41	0.053
16686	09/25/2008	12:31:42	0.063
16687	09/25/2008	12:31:43	0.073
16688	09/25/2008	12:31:44	0.183
16689	09/25/2008	12:31:45	0.117
16690	09/25/2008	12:31:46	0.135
16691	09/25/2008	12:31:47	0.186
16692	09/25/2008	12:31:48	0.112
16693	09/25/2008	12:31:49	0.089
16694	09/25/2008	12:31:50	0.094
16695	09/25/2008	12:31:51	0.083
16696	09/25/2008	12:31:52	0.077
16697	09/25/2008	12:31:53	0.064
16698	09/25/2008	12:31:54	0.060
16699	09/25/2008	12:31:55	0.054
16700	09/25/2008	12:31:56	0.071
16701	09/25/2008	12:31:57	0.055
16702	09/25/2008	12:31:58	0.057
16703	09/25/2008	12:31:59	0.063
16704	09/25/2008	12:32:00	0.070
16705	09/25/2008	12:32:01	0.062
16706	09/25/2008	12:32:02	0.061
16707	09/25/2008	12:32:03	0.057
16708	09/25/2008	12:32:04	0.059

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
16709	09/25/2008	12:32:05	0.057
16710	09/25/2008	12:32:06	0.054
16711	09/25/2008	12:32:07	0.056
16712	09/25/2008	12:32:08	0.053
16713	09/25/2008	12:32:09	0.080
16714	09/25/2008	12:32:10	0.053
16715	09/25/2008	12:32:11	0.055
16716	09/25/2008	12:32:12	0.053
16717	09/25/2008	12:32:13	0.054
16718	09/25/2008	12:32:14	0.051
16719	09/25/2008	12:32:15	0.054
16720	09/25/2008	12:32:16	0.060
16721	09/25/2008	12:32:17	0.048
16722	09/25/2008	12:32:18	0.056
16723	09/25/2008	12:32:19	0.047
16724	09/25/2008	12:32:20	0.054
16725	09/25/2008	12:32:21	0.058
16726	09/25/2008	12:32:22	0.054
16727	09/25/2008	12:32:23	0.060
16728	09/25/2008	12:32:24	0.053
16729	09/25/2008	12:32:25	0.049
16730	09/25/2008	12:32:26	0.055
16731	09/25/2008	12:32:27	0.050
16732	09/25/2008	12:32:28	0.048
16733	09/25/2008	12:32:29	0.054
16734	09/25/2008	12:32:30	0.048
16735	09/25/2008	12:32:31	0.050
16736	09/25/2008	12:32:32	0.052
16737	09/25/2008	12:32:33	0.050
16738	09/25/2008	12:32:34	0.051
16739	09/25/2008	12:32:35	0.050
16740	09/25/2008	12:32:36	0.054
16741	09/25/2008	12:32:37	0.055
16742	09/25/2008	12:32:38	0.060
16743	09/25/2008	12:32:39	0.056
16744	09/25/2008	12:32:40	0.053
16745	09/25/2008	12:32:41	0.058
16746	09/25/2008	12:32:42	0.053
16747	09/25/2008	12:32:43	0.051
16748	09/25/2008	12:32:44	0.049
16749	09/25/2008	12:32:45	0.050
16750	09/25/2008	12:32:46	0.049
16751	09/25/2008	12:32:47	0.050
16752	09/25/2008	12:32:48	0.053
16753	09/25/2008	12:32:49	0.124
16754	09/25/2008	12:32:50	0.047
16755	09/25/2008	12:32:51	0.053
16756	09/25/2008	12:32:52	0.048
16757	09/25/2008	12:32:53	0.063
16758	09/25/2008	12:32:54	0.053
16759	09/25/2008	12:32:55	0.056
16760	09/25/2008	12:32:56	0.052
16761	09/25/2008	12:32:57	0.055
16762	09/25/2008	12:32:58	0.049
16763	09/25/2008	12:32:59	0.053

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
16764	09/25/2008	12:33:00	0.048
16765	09/25/2008	12:33:01	0.060
16766	09/25/2008	12:33:02	0.054
16767	09/25/2008	12:33:03	0.049
16768	09/25/2008	12:33:04	0.052
16769	09/25/2008	12:33:05	0.059
16770	09/25/2008	12:33:06	0.066
16771	09/25/2008	12:33:07	0.049
16772	09/25/2008	12:33:08	0.050
16773	09/25/2008	12:33:09	0.047
16774	09/25/2008	12:33:10	0.050
16775	09/25/2008	12:33:11	0.044
16776	09/25/2008	12:33:12	0.056
16777	09/25/2008	12:33:13	0.056
16778	09/25/2008	12:33:14	0.056
16779	09/25/2008	12:33:15	0.052
16780	09/25/2008	12:33:16	0.053
16781	09/25/2008	12:33:17	0.051
16782	09/25/2008	12:33:18	0.047
16783	09/25/2008	12:33:19	0.054
16784	09/25/2008	12:33:20	0.073
16785	09/25/2008	12:33:21	0.055
16786	09/25/2008	12:33:22	0.054
16787	09/25/2008	12:33:23	0.065
16788	09/25/2008	12:33:24	0.057
16789	09/25/2008	12:33:25	0.048
16790	09/25/2008	12:33:26	0.052
16791	09/25/2008	12:33:27	0.054
16792	09/25/2008	12:33:28	0.054
16793	09/25/2008	12:33:29	0.067
16794	09/25/2008	12:33:30	0.056
16795	09/25/2008	12:33:31	0.140
16796	09/25/2008	12:33:32	0.224
16797	09/25/2008	12:33:33	0.175
16798	09/25/2008	12:33:34	0.094
16799	09/25/2008	12:33:35	0.069
16800	09/25/2008	12:33:36	0.064
16801	09/25/2008	12:33:37	0.086
16802	09/25/2008	12:33:38	0.190
16803	09/25/2008	12:33:39	0.146
16804	09/25/2008	12:33:40	0.136
16805	09/25/2008	12:33:41	0.102
16806	09/25/2008	12:33:42	0.105
16807	09/25/2008	12:33:43	0.163
16808	09/25/2008	12:33:44	0.163
16809	09/25/2008	12:33:45	0.125
16810	09/25/2008	12:33:46	0.096
16811	09/25/2008	12:33:47	0.087
16812	09/25/2008	12:33:48	0.096
16813	09/25/2008	12:33:49	0.098
16814	09/25/2008	12:33:50	0.205
16815	09/25/2008	12:33:51	0.239
16816	09/25/2008	12:33:52	0.409
16817	09/25/2008	12:33:53	0.476
16818	09/25/2008	12:33:54	0.145

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
16819	09/25/2008	12:33:55	0.087
16820	09/25/2008	12:33:56	0.078
16821	09/25/2008	12:33:57	0.101
16822	09/25/2008	12:33:58	0.096
16823	09/25/2008	12:33:59	0.080
16824	09/25/2008	12:34:00	0.077
16825	09/25/2008	12:34:01	0.087
16826	09/25/2008	12:34:02	0.097
16827	09/25/2008	12:34:03	0.075
16828	09/25/2008	12:34:04	0.127
16829	09/25/2008	12:34:05	0.082
16830	09/25/2008	12:34:06	0.218
16831	09/25/2008	12:34:07	0.227
16832	09/25/2008	12:34:08	0.123
16833	09/25/2008	12:34:09	0.074
16834	09/25/2008	12:34:10	0.063
16835	09/25/2008	12:34:11	0.073
16836	09/25/2008	12:34:12	0.090
16837	09/25/2008	12:34:13	0.114
16838	09/25/2008	12:34:14	0.097
16839	09/25/2008	12:34:15	0.074
16840	09/25/2008	12:34:16	0.069
16841	09/25/2008	12:34:17	0.071
16842	09/25/2008	12:34:18	0.072
16843	09/25/2008	12:34:19	0.073
16844	09/25/2008	12:34:20	0.068
16845	09/25/2008	12:34:21	0.060
16846	09/25/2008	12:34:22	0.080
16847	09/25/2008	12:34:23	0.077
16848	09/25/2008	12:34:24	0.074
16849	09/25/2008	12:34:25	0.093
16850	09/25/2008	12:34:26	0.183
16851	09/25/2008	12:34:27	0.210
16852	09/25/2008	12:34:28	0.190
16853	09/25/2008	12:34:29	0.167
16854	09/25/2008	12:34:30	0.124
16855	09/25/2008	12:34:31	0.130
16856	09/25/2008	12:34:32	0.147
16857	09/25/2008	12:34:33	0.122
16858	09/25/2008	12:34:34	0.111
16859	09/25/2008	12:34:35	0.137
16860	09/25/2008	12:34:36	0.115
16861	09/25/2008	12:34:37	0.108
16862	09/25/2008	12:34:38	0.091
16863	09/25/2008	12:34:39	0.089
16864	09/25/2008	12:34:40	0.094
16865	09/25/2008	12:34:41	0.075
16866	09/25/2008	12:34:42	0.074
16867	09/25/2008	12:34:43	0.092
16868	09/25/2008	12:34:44	0.108
16869	09/25/2008	12:34:45	0.093
16870	09/25/2008	12:34:46	0.095
16871	09/25/2008	12:34:47	0.105
16872	09/25/2008	12:34:48	0.105
16873	09/25/2008	12:34:49	0.089

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
16874	09/25/2008	12:34:50	0.095
16875	09/25/2008	12:34:51	0.080
16876	09/25/2008	12:34:52	0.075
16877	09/25/2008	12:34:53	0.070
16878	09/25/2008	12:34:54	0.073
16879	09/25/2008	12:34:55	0.066
16880	09/25/2008	12:34:56	0.056
16881	09/25/2008	12:34:57	0.064
16882	09/25/2008	12:34:58	0.071
16883	09/25/2008	12:34:59	0.058
16884	09/25/2008	12:35:00	0.072
16885	09/25/2008	12:35:01	0.072
16886	09/25/2008	12:35:02	0.065
16887	09/25/2008	12:35:03	0.065
16888	09/25/2008	12:35:04	0.114
16889	09/25/2008	12:35:05	0.107
16890	09/25/2008	12:35:06	0.086
16891	09/25/2008	12:35:07	0.068
16892	09/25/2008	12:35:08	0.109
16893	09/25/2008	12:35:09	0.072
16894	09/25/2008	12:35:10	0.073
16895	09/25/2008	12:35:11	0.109
16896	09/25/2008	12:35:12	0.684
16897	09/25/2008	12:35:13	1.097
16898	09/25/2008	12:35:14	0.972
16899	09/25/2008	12:35:15	0.615
16900	09/25/2008	12:35:16	0.348
16901	09/25/2008	12:35:17	0.322
16902	09/25/2008	12:35:18	0.278
16903	09/25/2008	12:35:19	0.181
16904	09/25/2008	12:35:20	0.136
16905	09/25/2008	12:35:21	0.140
16906	09/25/2008	12:35:22	0.211
16907	09/25/2008	12:35:23	0.147
16908	09/25/2008	12:35:24	0.165
16909	09/25/2008	12:35:25	0.521
16910	09/25/2008	12:35:26	0.181
16911	09/25/2008	12:35:27	0.675
16912	09/25/2008	12:35:28	0.209
16913	09/25/2008	12:35:29	0.146
16914	09/25/2008	12:35:30	0.351
16915	09/25/2008	12:35:31	0.535
16916	09/25/2008	12:35:32	0.416
16917	09/25/2008	12:35:33	0.170
16918	09/25/2008	12:35:34	0.128
16919	09/25/2008	12:35:35	0.126
16920	09/25/2008	12:35:36	0.109
16921	09/25/2008	12:35:37	0.113
16922	09/25/2008	12:35:38	0.104
16923	09/25/2008	12:35:39	0.113
16924	09/25/2008	12:35:40	0.116
16925	09/25/2008	12:35:41	0.116
16926	09/25/2008	12:35:42	0.102
16927	09/25/2008	12:35:43	0.108
16928	09/25/2008	12:35:44	0.113

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
16929	09/25/2008	12:35:45	0.125
16930	09/25/2008	12:35:46	0.133
16931	09/25/2008	12:35:47	0.132
16932	09/25/2008	12:35:48	0.116
16933	09/25/2008	12:35:49	0.082
16934	09/25/2008	12:35:50	0.084
16935	09/25/2008	12:35:51	0.078
16936	09/25/2008	12:35:52	0.063
16937	09/25/2008	12:35:53	0.074
16938	09/25/2008	12:35:54	0.073
16939	09/25/2008	12:35:55	0.063
16940	09/25/2008	12:35:56	0.107
16941	09/25/2008	12:35:57	0.095
16942	09/25/2008	12:35:58	0.076
16943	09/25/2008	12:35:59	0.169
16944	09/25/2008	12:36:00	0.248
16945	09/25/2008	12:36:01	0.127
16946	09/25/2008	12:36:02	0.116
16947	09/25/2008	12:36:03	0.126
16948	09/25/2008	12:36:04	0.125
16949	09/25/2008	12:36:05	0.089
16950	09/25/2008	12:36:06	0.069
16951	09/25/2008	12:36:07	0.067
16952	09/25/2008	12:36:08	0.080
16953	09/25/2008	12:36:09	0.069
16954	09/25/2008	12:36:10	0.101
16955	09/25/2008	12:36:11	0.071
16956	09/25/2008	12:36:12	0.058
16957	09/25/2008	12:36:13	0.056
16958	09/25/2008	12:36:14	0.064
16959	09/25/2008	12:36:15	0.064
16960	09/25/2008	12:36:16	0.057
16961	09/25/2008	12:36:17	0.056
16962	09/25/2008	12:36:18	0.057
16963	09/25/2008	12:36:19	0.060
16964	09/25/2008	12:36:20	0.053
16965	09/25/2008	12:36:21	0.056
16966	09/25/2008	12:36:22	0.056
16967	09/25/2008	12:36:23	0.061
16968	09/25/2008	12:36:24	0.052
16969	09/25/2008	12:36:25	0.050
16970	09/25/2008	12:36:26	0.059
16971	09/25/2008	12:36:27	0.049
16972	09/25/2008	12:36:28	0.049
16973	09/25/2008	12:36:29	0.053
16974	09/25/2008	12:36:30	0.053
16975	09/25/2008	12:36:31	0.053
16976	09/25/2008	12:36:32	0.057
16977	09/25/2008	12:36:33	0.048
16978	09/25/2008	12:36:34	0.066
16979	09/25/2008	12:36:35	0.059
16980	09/25/2008	12:36:36	0.236
16981	09/25/2008	12:36:37	0.111
16982	09/25/2008	12:36:38	0.062
16983	09/25/2008	12:36:39	0.058

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
16984	09/25/2008	12:36:40	0.185
16985	09/25/2008	12:36:41	0.769
16986	09/25/2008	12:36:42	0.598
16987	09/25/2008	12:36:43	0.759
16988	09/25/2008	12:36:44	0.564
16989	09/25/2008	12:36:45	0.353
16990	09/25/2008	12:36:46	0.215
16991	09/25/2008	12:36:47	0.232
16992	09/25/2008	12:36:48	0.254
16993	09/25/2008	12:36:49	0.188
16994	09/25/2008	12:36:50	0.117
16995	09/25/2008	12:36:51	0.094
16996	09/25/2008	12:36:52	0.095
16997	09/25/2008	12:36:53	0.077
16998	09/25/2008	12:36:54	0.088
16999	09/25/2008	12:36:55	0.094
17000	09/25/2008	12:36:56	0.080
17001	09/25/2008	12:36:57	0.070
17002	09/25/2008	12:36:58	0.074
17003	09/25/2008	12:36:59	0.069
17004	09/25/2008	12:37:00	0.067
17005	09/25/2008	12:37:01	0.058
17006	09/25/2008	12:37:02	0.073
17007	09/25/2008	12:37:03	0.062
17008	09/25/2008	12:37:04	0.057
17009	09/25/2008	12:37:05	0.057
17010	09/25/2008	12:37:06	0.058
17011	09/25/2008	12:37:07	0.058
17012	09/25/2008	12:37:08	0.055
17013	09/25/2008	12:37:09	0.055
17014	09/25/2008	12:37:10	0.053
17015	09/25/2008	12:37:11	0.053
17016	09/25/2008	12:37:12	0.052
17017	09/25/2008	12:37:13	0.057
17018	09/25/2008	12:37:14	0.057
17019	09/25/2008	12:37:15	0.053
17020	09/25/2008	12:37:16	0.054
17021	09/25/2008	12:37:17	0.054
17022	09/25/2008	12:37:18	0.070
17023	09/25/2008	12:37:19	0.059
17024	09/25/2008	12:37:20	0.054
17025	09/25/2008	12:37:21	0.058
17026	09/25/2008	12:37:22	0.052
17027	09/25/2008	12:37:23	0.052
17028	09/25/2008	12:37:24	0.053
17029	09/25/2008	12:37:25	0.052
17030	09/25/2008	12:37:26	0.125
17031	09/25/2008	12:37:27	0.048
17032	09/25/2008	12:37:28	0.055
17033	09/25/2008	12:37:29	0.054
17034	09/25/2008	12:37:30	0.048
17035	09/25/2008	12:37:31	0.062
17036	09/25/2008	12:37:32	0.055
17037	09/25/2008	12:37:33	0.056
17038	09/25/2008	12:37:34	0.051



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
17039	09/25/2008	12:37:35	0.054
17040	09/25/2008	12:37:36	0.056
17041	09/25/2008	12:37:37	0.052
17042	09/25/2008	12:37:38	0.052
17043	09/25/2008	12:37:39	0.052
17044	09/25/2008	12:37:40	0.059
17045	09/25/2008	12:37:41	0.057
17046	09/25/2008	12:37:42	0.052
17047	09/25/2008	12:37:43	0.050
17048	09/25/2008	12:37:44	0.048
17049	09/25/2008	12:37:45	0.054
17050	09/25/2008	12:37:46	0.051
17051	09/25/2008	12:37:47	0.052
17052	09/25/2008	12:37:48	0.056
17053	09/25/2008	12:37:49	0.053
17054	09/25/2008	12:37:50	0.052
17055	09/25/2008	12:37:51	0.058
17056	09/25/2008	12:37:52	0.052
17057	09/25/2008	12:37:53	0.053
17058	09/25/2008	12:37:54	0.051
17059	09/25/2008	12:37:55	0.053
17060	09/25/2008	12:37:56	0.052
17061	09/25/2008	12:37:57	0.050
17062	09/25/2008	12:37:58	0.055
17063	09/25/2008	12:37:59	0.056
17064	09/25/2008	12:38:00	0.064
17065	09/25/2008	12:38:01	0.051
17066	09/25/2008	12:38:02	0.056
17067	09/25/2008	12:38:03	0.054
17068	09/25/2008	12:38:04	0.058
17069	09/25/2008	12:38:05	0.050
17070	09/25/2008	12:38:06	0.056
17071	09/25/2008	12:38:07	0.055
17072	09/25/2008	12:38:08	0.049
17073	09/25/2008	12:38:09	0.053
17074	09/25/2008	12:38:10	0.067
17075	09/25/2008	12:38:11	0.049
17076	09/25/2008	12:38:12	0.054
17077	09/25/2008	12:38:13	0.055
17078	09/25/2008	12:38:14	0.052
17079	09/25/2008	12:38:15	0.051
17080	09/25/2008	12:38:16	0.059
17081	09/25/2008	12:38:17	0.059
17082	09/25/2008	12:38:18	0.050
17083	09/25/2008	12:38:19	0.053
17084	09/25/2008	12:38:20	0.057
17085	09/25/2008	12:38:21	0.050
17086	09/25/2008	12:38:22	0.058
17087	09/25/2008	12:38:23	0.093
17088	09/25/2008	12:38:24	0.051
17089	09/25/2008	12:38:25	0.050
17090	09/25/2008	12:38:26	0.050
17091	09/25/2008	12:38:27	0.050
17092	09/25/2008	12:38:28	0.052
17093	09/25/2008	12:38:29	0.061

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
17094	09/25/2008	12:38:30	0.053
17095	09/25/2008	12:38:31	0.059
17096	09/25/2008	12:38:32	0.052
17097	09/25/2008	12:38:33	0.056
17098	09/25/2008	12:38:34	0.048
17099	09/25/2008	12:38:35	0.061
17100	09/25/2008	12:38:36	0.050
17101	09/25/2008	12:38:37	0.050
17102	09/25/2008	12:38:38	0.049
17103	09/25/2008	12:38:39	0.050
17104	09/25/2008	12:38:40	0.049
17105	09/25/2008	12:38:41	0.052
17106	09/25/2008	12:38:42	0.055
17107	09/25/2008	12:38:43	0.052
17108	09/25/2008	12:38:44	0.053
17109	09/25/2008	12:38:45	0.054
17110	09/25/2008	12:38:46	0.054
17111	09/25/2008	12:38:47	0.048
17112	09/25/2008	12:38:48	0.051
17113	09/25/2008	12:38:49	0.058
17114	09/25/2008	12:38:50	0.055
17115	09/25/2008	12:38:51	0.050
17116	09/25/2008	12:38:52	0.051
17117	09/25/2008	12:38:53	0.055
17118	09/25/2008	12:38:54	0.051
17119	09/25/2008	12:38:55	0.050
17120	09/25/2008	12:38:56	0.051
17121	09/25/2008	12:38:57	0.049
17122	09/25/2008	12:38:58	0.054
17123	09/25/2008	12:38:59	0.052
17124	09/25/2008	12:39:00	0.053
17125	09/25/2008	12:39:01	0.052
17126	09/25/2008	12:39:02	0.052
17127	09/25/2008	12:39:03	0.050
17128	09/25/2008	12:39:04	0.052
17129	09/25/2008	12:39:05	0.051
17130	09/25/2008	12:39:06	0.055
17131	09/25/2008	12:39:07	0.053
17132	09/25/2008	12:39:08	0.057
17133	09/25/2008	12:39:09	0.051
17134	09/25/2008	12:39:10	0.053
17135	09/25/2008	12:39:11	0.052
17136	09/25/2008	12:39:12	0.052
17137	09/25/2008	12:39:13	0.053
17138	09/25/2008	12:39:14	0.050
17139	09/25/2008	12:39:15	0.058
17140	09/25/2008	12:39:16	0.065
17141	09/25/2008	12:39:17	0.048
17142	09/25/2008	12:39:18	0.052
17143	09/25/2008	12:39:19	0.054
17144	09/25/2008	12:39:20	0.072
17145	09/25/2008	12:39:21	0.074
17146	09/25/2008	12:39:22	0.055
17147	09/25/2008	12:39:23	0.108
17148	09/25/2008	12:39:24	0.441

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
17149	09/25/2008	12:39:25	0.152
17150	09/25/2008	12:39:26	0.070
17151	09/25/2008	12:39:27	0.077
17152	09/25/2008	12:39:28	0.064
17153	09/25/2008	12:39:29	0.092
17154	09/25/2008	12:39:30	0.135
17155	09/25/2008	12:39:31	0.079
17156	09/25/2008	12:39:32	0.082
17157	09/25/2008	12:39:33	0.071
17158	09/25/2008	12:39:34	0.067
17159	09/25/2008	12:39:35	0.067
17160	09/25/2008	12:39:36	0.056
17161	09/25/2008	12:39:37	0.055
17162	09/25/2008	12:39:38	0.067
17163	09/25/2008	12:39:39	0.192
17164	09/25/2008	12:39:40	0.087
17165	09/25/2008	12:39:41	0.083
17166	09/25/2008	12:39:42	0.085
17167	09/25/2008	12:39:43	0.080
17168	09/25/2008	12:39:44	0.090
17169	09/25/2008	12:39:45	0.089
17170	09/25/2008	12:39:46	0.095
17171	09/25/2008	12:39:47	0.085
17172	09/25/2008	12:39:48	0.076
17173	09/25/2008	12:39:49	0.068
17174	09/25/2008	12:39:50	0.121
17175	09/25/2008	12:39:51	0.195
17176	09/25/2008	12:39:52	0.141
17177	09/25/2008	12:39:53	0.273
17178	09/25/2008	12:39:54	0.216
17179	09/25/2008	12:39:55	0.174
17180	09/25/2008	12:39:56	0.181
17181	09/25/2008	12:39:57	0.124
17182	09/25/2008	12:39:58	0.103
17183	09/25/2008	12:39:59	0.092
17184	09/25/2008	12:40:00	0.077
17185	09/25/2008	12:40:01	0.072
17186	09/25/2008	12:40:02	0.070
17187	09/25/2008	12:40:03	0.070
17188	09/25/2008	12:40:04	0.077
17189	09/25/2008	12:40:05	0.069
17190	09/25/2008	12:40:06	0.093
17191	09/25/2008	12:40:07	0.067
17192	09/25/2008	12:40:08	0.068
17193	09/25/2008	12:40:09	0.066
17194	09/25/2008	12:40:10	0.090
17195	09/25/2008	12:40:11	0.065
17196	09/25/2008	12:40:12	0.072
17197	09/25/2008	12:40:13	0.072
17198	09/25/2008	12:40:14	0.064
17199	09/25/2008	12:40:15	0.068
17200	09/25/2008	12:40:16	0.115
17201	09/25/2008	12:40:17	0.060
17202	09/25/2008	12:40:18	0.066
17203	09/25/2008	12:40:19	0.061

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
17204	09/25/2008	12:40:20	0.072
17205	09/25/2008	12:40:21	0.079
17206	09/25/2008	12:40:22	0.061
17207	09/25/2008	12:40:23	0.058
17208	09/25/2008	12:40:24	0.070
17209	09/25/2008	12:40:25	0.094
17210	09/25/2008	12:40:26	0.091
17211	09/25/2008	12:40:27	0.060
17212	09/25/2008	12:40:28	0.062
17213	09/25/2008	12:40:29	0.071
17214	09/25/2008	12:40:30	0.063
17215	09/25/2008	12:40:31	0.054
17216	09/25/2008	12:40:32	0.065
17217	09/25/2008	12:40:33	0.062
17218	09/25/2008	12:40:34	0.076
17219	09/25/2008	12:40:35	0.113
17220	09/25/2008	12:40:36	0.087
17221	09/25/2008	12:40:37	0.082
17222	09/25/2008	12:40:38	0.106
17223	09/25/2008	12:40:39	0.116
17224	09/25/2008	12:40:40	0.061
17225	09/25/2008	12:40:41	0.063
17226	09/25/2008	12:40:42	0.057
17227	09/25/2008	12:40:43	0.059
17228	09/25/2008	12:40:44	0.055
17229	09/25/2008	12:40:45	0.053
17230	09/25/2008	12:40:46	0.050
17231	09/25/2008	12:40:47	0.052
17232	09/25/2008	12:40:48	0.053
17233	09/25/2008	12:40:49	0.058
17234	09/25/2008	12:40:50	0.054
17235	09/25/2008	12:40:51	0.056
17236	09/25/2008	12:40:52	0.113
17237	09/25/2008	12:40:53	0.085
17238	09/25/2008	12:40:54	0.109
17239	09/25/2008	12:40:55	0.111
17240	09/25/2008	12:40:56	0.076
17241	09/25/2008	12:40:57	0.061
17242	09/25/2008	12:40:58	0.062
17243	09/25/2008	12:40:59	0.055
17244	09/25/2008	12:41:00	0.065
17245	09/25/2008	12:41:01	0.055
17246	09/25/2008	12:41:02	0.051
17247	09/25/2008	12:41:03	0.051
17248	09/25/2008	12:41:04	0.055
17249	09/25/2008	12:41:05	0.052
17250	09/25/2008	12:41:06	0.055
17251	09/25/2008	12:41:07	0.057
17252	09/25/2008	12:41:08	0.057
17253	09/25/2008	12:41:09	0.050
17254	09/25/2008	12:41:10	0.051
17255	09/25/2008	12:41:11	0.054
17256	09/25/2008	12:41:12	0.054
17257	09/25/2008	12:41:13	0.050
17258	09/25/2008	12:41:14	0.048

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
17259	09/25/2008	12:41:15	0.053
17260	09/25/2008	12:41:16	0.060
17261	09/25/2008	12:41:17	0.051
17262	09/25/2008	12:41:18	0.060
17263	09/25/2008	12:41:19	0.054
17264	09/25/2008	12:41:20	0.053
17265	09/25/2008	12:41:21	0.050
17266	09/25/2008	12:41:22	0.060
17267	09/25/2008	12:41:23	0.059
17268	09/25/2008	12:41:24	0.053
17269	09/25/2008	12:41:25	0.054
17270	09/25/2008	12:41:26	0.049
17271	09/25/2008	12:41:27	0.051
17272	09/25/2008	12:41:28	0.049
17273	09/25/2008	12:41:29	0.052
17274	09/25/2008	12:41:30	0.052
17275	09/25/2008	12:41:31	0.061
17276	09/25/2008	12:41:32	0.051
17277	09/25/2008	12:41:33	0.055
17278	09/25/2008	12:41:34	0.057
17279	09/25/2008	12:41:35	0.059
17280	09/25/2008	12:41:36	0.050
17281	09/25/2008	12:41:37	0.051
17282	09/25/2008	12:41:38	0.050
17283	09/25/2008	12:41:39	0.050
17284	09/25/2008	12:41:40	0.049
17285	09/25/2008	12:41:41	0.050
17286	09/25/2008	12:41:42	0.051
17287	09/25/2008	12:41:43	0.054
17288	09/25/2008	12:41:44	0.051
17289	09/25/2008	12:41:45	0.048
17290	09/25/2008	12:41:46	0.052
17291	09/25/2008	12:41:47	0.052
17292	09/25/2008	12:41:48	0.049
17293	09/25/2008	12:41:49	0.055
17294	09/25/2008	12:41:50	0.053
17295	09/25/2008	12:41:51	0.049
17296	09/25/2008	12:41:52	0.052
17297	09/25/2008	12:41:53	0.056
17298	09/25/2008	12:41:54	0.050
17299	09/25/2008	12:41:55	0.053
17300	09/25/2008	12:41:56	0.053
17301	09/25/2008	12:41:57	0.060
17302	09/25/2008	12:41:58	0.052
17303	09/25/2008	12:41:59	0.053
17304	09/25/2008	12:42:00	0.055
17305	09/25/2008	12:42:01	0.051
17306	09/25/2008	12:42:02	0.056
17307	09/25/2008	12:42:03	0.056
17308	09/25/2008	12:42:04	0.057
17309	09/25/2008	12:42:05	0.049
17310	09/25/2008	12:42:06	0.063
17311	09/25/2008	12:42:07	0.053
17312	09/25/2008	12:42:08	0.051
17313	09/25/2008	12:42:09	0.058

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
17314	09/25/2008	12:42:10	0.050
17315	09/25/2008	12:42:11	0.057
17316	09/25/2008	12:42:12	0.072
17317	09/25/2008	12:42:13	0.050
17318	09/25/2008	12:42:14	0.049
17319	09/25/2008	12:42:15	0.054
17320	09/25/2008	12:42:16	0.052
17321	09/25/2008	12:42:17	0.053
17322	09/25/2008	12:42:18	0.051
17323	09/25/2008	12:42:19	0.052
17324	09/25/2008	12:42:20	0.052
17325	09/25/2008	12:42:21	0.051
17326	09/25/2008	12:42:22	0.053
17327	09/25/2008	12:42:23	0.052
17328	09/25/2008	12:42:24	0.052
17329	09/25/2008	12:42:25	0.049
17330	09/25/2008	12:42:26	0.056
17331	09/25/2008	12:42:27	0.052
17332	09/25/2008	12:42:28	0.051
17333	09/25/2008	12:42:29	0.052
17334	09/25/2008	12:42:30	0.051
17335	09/25/2008	12:42:31	0.049
17336	09/25/2008	12:42:32	0.052
17337	09/25/2008	12:42:33	0.049
17338	09/25/2008	12:42:34	0.055
17339	09/25/2008	12:42:35	0.049
17340	09/25/2008	12:42:36	0.056
17341	09/25/2008	12:42:37	0.062
17342	09/25/2008	12:42:38	0.060
17343	09/25/2008	12:42:39	0.053
17344	09/25/2008	12:42:40	0.056
17345	09/25/2008	12:42:41	0.052
17346	09/25/2008	12:42:42	0.053
17347	09/25/2008	12:42:43	0.056
17348	09/25/2008	12:42:44	0.053
17349	09/25/2008	12:42:45	0.054
17350	09/25/2008	12:42:46	0.054
17351	09/25/2008	12:42:47	0.050
17352	09/25/2008	12:42:48	0.054
17353	09/25/2008	12:42:49	0.054
17354	09/25/2008	12:42:50	0.052
17355	09/25/2008	12:42:51	0.049
17356	09/25/2008	12:42:52	0.059
17357	09/25/2008	12:42:53	0.049
17358	09/25/2008	12:42:54	0.057
17359	09/25/2008	12:42:55	0.068
17360	09/25/2008	12:42:56	0.052
17361	09/25/2008	12:42:57	0.052
17362	09/25/2008	12:42:58	0.052
17363	09/25/2008	12:42:59	0.054
17364	09/25/2008	12:43:00	0.051
17365	09/25/2008	12:43:01	0.051
17366	09/25/2008	12:43:02	0.051
17367	09/25/2008	12:43:03	0.049
17368	09/25/2008	12:43:04	0.051

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
17369	09/25/2008	12:43:05	0.056
17370	09/25/2008	12:43:06	0.055
17371	09/25/2008	12:43:07	0.054
17372	09/25/2008	12:43:08	0.050
17373	09/25/2008	12:43:09	0.049
17374	09/25/2008	12:43:10	0.051
17375	09/25/2008	12:43:11	0.052
17376	09/25/2008	12:43:12	0.069
17377	09/25/2008	12:43:13	0.061
17378	09/25/2008	12:43:14	0.055
17379	09/25/2008	12:43:15	0.055
17380	09/25/2008	12:43:16	0.048
17381	09/25/2008	12:43:17	0.055
17382	09/25/2008	12:43:18	0.049
17383	09/25/2008	12:43:19	0.056
17384	09/25/2008	12:43:20	0.055
17385	09/25/2008	12:43:21	0.054
17386	09/25/2008	12:43:22	0.053
17387	09/25/2008	12:43:23	0.052
17388	09/25/2008	12:43:24	0.054
17389	09/25/2008	12:43:25	0.053
17390	09/25/2008	12:43:26	0.051
17391	09/25/2008	12:43:27	0.058
17392	09/25/2008	12:43:28	0.054
17393	09/25/2008	12:43:29	0.054
17394	09/25/2008	12:43:30	0.050
17395	09/25/2008	12:43:31	0.053
17396	09/25/2008	12:43:32	0.052
17397	09/25/2008	12:43:33	0.049
17398	09/25/2008	12:43:34	0.051
17399	09/25/2008	12:43:35	0.052
17400	09/25/2008	12:43:36	0.062
17401	09/25/2008	12:43:37	0.058
17402	09/25/2008	12:43:38	0.058
17403	09/25/2008	12:43:39	0.052
17404	09/25/2008	12:43:40	0.055
17405	09/25/2008	12:43:41	0.056
17406	09/25/2008	12:43:42	0.056
17407	09/25/2008	12:43:43	0.048
17408	09/25/2008	12:43:44	0.051
17409	09/25/2008	12:43:45	0.050
17410	09/25/2008	12:43:46	0.050
17411	09/25/2008	12:43:47	0.053
17412	09/25/2008	12:43:48	0.067
17413	09/25/2008	12:43:49	0.049
17414	09/25/2008	12:43:50	0.053
17415	09/25/2008	12:43:51	0.054
17416	09/25/2008	12:43:52	0.054
17417	09/25/2008	12:43:53	0.051
17418	09/25/2008	12:43:54	0.053
17419	09/25/2008	12:43:55	0.052
17420	09/25/2008	12:43:56	0.062
17421	09/25/2008	12:43:57	0.052
17422	09/25/2008	12:43:58	0.059
17423	09/25/2008	12:43:59	0.057

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
17424	09/25/2008	12:44:00	0.049
17425	09/25/2008	12:44:01	0.056
17426	09/25/2008	12:44:02	0.054
17427	09/25/2008	12:44:03	0.055
17428	09/25/2008	12:44:04	0.055
17429	09/25/2008	12:44:05	0.060
17430	09/25/2008	12:44:06	0.059
17431	09/25/2008	12:44:07	0.049
17432	09/25/2008	12:44:08	0.055
17433	09/25/2008	12:44:09	0.053
17434	09/25/2008	12:44:10	0.056
17435	09/25/2008	12:44:11	0.057
17436	09/25/2008	12:44:12	0.067
17437	09/25/2008	12:44:13	0.114
17438	09/25/2008	12:44:14	0.070
17439	09/25/2008	12:44:15	0.086
17440	09/25/2008	12:44:16	0.075
17441	09/25/2008	12:44:17	0.058
17442	09/25/2008	12:44:18	0.050
17443	09/25/2008	12:44:19	0.057
17444	09/25/2008	12:44:20	0.053
17445	09/25/2008	12:44:21	0.052
17446	09/25/2008	12:44:22	0.054
17447	09/25/2008	12:44:23	0.066
17448	09/25/2008	12:44:24	0.051
17449	09/25/2008	12:44:25	0.053
17450	09/25/2008	12:44:26	0.059
17451	09/25/2008	12:44:27	0.052
17452	09/25/2008	12:44:28	0.057
17453	09/25/2008	12:44:29	0.061
17454	09/25/2008	12:44:30	0.063
17455	09/25/2008	12:44:31	0.066
17456	09/25/2008	12:44:32	0.068
17457	09/25/2008	12:44:33	0.068
17458	09/25/2008	12:44:34	0.065
17459	09/25/2008	12:44:35	0.086
17460	09/25/2008	12:44:36	0.095
17461	09/25/2008	12:44:37	0.098
17462	09/25/2008	12:44:38	0.085
17463	09/25/2008	12:44:39	0.091
17464	09/25/2008	12:44:40	0.095
17465	09/25/2008	12:44:41	0.066
17466	09/25/2008	12:44:42	0.106
17467	09/25/2008	12:44:43	0.058
17468	09/25/2008	12:44:44	0.057
17469	09/25/2008	12:44:45	0.053
17470	09/25/2008	12:44:46	0.055
17471	09/25/2008	12:44:47	0.060
17472	09/25/2008	12:44:48	0.064
17473	09/25/2008	12:44:49	0.123
17474	09/25/2008	12:44:50	0.054
17475	09/25/2008	12:44:51	0.067
17476	09/25/2008	12:44:52	0.056
17477	09/25/2008	12:44:53	0.055
17478	09/25/2008	12:44:54	0.100



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
17479	09/25/2008	12:44:55	0.057
17480	09/25/2008	12:44:56	0.054
17481	09/25/2008	12:44:57	0.090
17482	09/25/2008	12:44:58	0.167
17483	09/25/2008	12:44:59	0.842
17484	09/25/2008	12:45:00	0.273
17485	09/25/2008	12:45:01	0.112
17486	09/25/2008	12:45:02	0.084
17487	09/25/2008	12:45:03	0.079
17488	09/25/2008	12:45:04	0.072
17489	09/25/2008	12:45:05	0.069
17490	09/25/2008	12:45:06	0.071
17491	09/25/2008	12:45:07	0.070
17492	09/25/2008	12:45:08	0.079
17493	09/25/2008	12:45:09	0.084
17494	09/25/2008	12:45:10	0.088
17495	09/25/2008	12:45:11	0.073
17496	09/25/2008	12:45:12	0.087
17497	09/25/2008	12:45:13	0.091
17498	09/25/2008	12:45:14	0.096
17499	09/25/2008	12:45:15	0.100
17500	09/25/2008	12:45:16	0.077
17501	09/25/2008	12:45:17	0.069
17502	09/25/2008	12:45:18	0.073
17503	09/25/2008	12:45:19	0.082
17504	09/25/2008	12:45:20	0.099
17505	09/25/2008	12:45:21	0.081
17506	09/25/2008	12:45:22	0.076
17507	09/25/2008	12:45:23	0.072
17508	09/25/2008	12:45:24	0.075
17509	09/25/2008	12:45:25	0.068
17510	09/25/2008	12:45:26	0.079
17511	09/25/2008	12:45:27	0.089
17512	09/25/2008	12:45:28	0.079
17513	09/25/2008	12:45:29	0.092
17514	09/25/2008	12:45:30	0.117
17515	09/25/2008	12:45:31	0.119
17516	09/25/2008	12:45:32	0.090
17517	09/25/2008	12:45:33	0.073
17518	09/25/2008	12:45:34	0.070
17519	09/25/2008	12:45:35	0.067
17520	09/25/2008	12:45:36	0.065
17521	09/25/2008	12:45:37	0.071
17522	09/25/2008	12:45:38	0.061
17523	09/25/2008	12:45:39	0.087
17524	09/25/2008	12:45:40	0.072
17525	09/25/2008	12:45:41	0.109
17526	09/25/2008	12:45:42	0.072
17527	09/25/2008	12:45:43	0.078
17528	09/25/2008	12:45:44	0.064
17529	09/25/2008	12:45:45	0.085
17530	09/25/2008	12:45:46	0.067
17531	09/25/2008	12:45:47	0.072
17532	09/25/2008	12:45:48	0.109
17533	09/25/2008	12:45:49	0.123

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
17534	09/25/2008	12:45:50	0.125
17535	09/25/2008	12:45:51	0.071
17536	09/25/2008	12:45:52	0.088
17537	09/25/2008	12:45:53	0.080
17538	09/25/2008	12:45:54	0.071
17539	09/25/2008	12:45:55	0.086
17540	09/25/2008	12:45:56	0.069
17541	09/25/2008	12:45:57	0.064
17542	09/25/2008	12:45:58	0.057
17543	09/25/2008	12:45:59	0.056
17544	09/25/2008	12:46:00	0.055
17545	09/25/2008	12:46:01	0.052
17546	09/25/2008	12:46:02	0.057
17547	09/25/2008	12:46:03	0.053
17548	09/25/2008	12:46:04	0.057
17549	09/25/2008	12:46:05	0.054
17550	09/25/2008	12:46:06	0.051
17551	09/25/2008	12:46:07	0.054
17552	09/25/2008	12:46:08	0.052
17553	09/25/2008	12:46:09	0.053
17554	09/25/2008	12:46:10	0.054
17555	09/25/2008	12:46:11	0.054
17556	09/25/2008	12:46:12	0.054
17557	09/25/2008	12:46:13	0.054
17558	09/25/2008	12:46:14	0.056
17559	09/25/2008	12:46:15	0.075
17560	09/25/2008	12:46:16	0.059
17561	09/25/2008	12:46:17	0.080
17562	09/25/2008	12:46:18	0.063
17563	09/25/2008	12:46:19	0.051
17564	09/25/2008	12:46:20	0.055
17565	09/25/2008	12:46:21	0.053
17566	09/25/2008	12:46:22	0.118
17567	09/25/2008	12:46:23	0.056
17568	09/25/2008	12:46:24	0.055
17569	09/25/2008	12:46:25	0.057
17570	09/25/2008	12:46:26	0.053
17571	09/25/2008	12:46:27	0.053
17572	09/25/2008	12:46:28	0.052
17573	09/25/2008	12:46:29	0.053
17574	09/25/2008	12:46:30	0.051
17575	09/25/2008	12:46:31	0.077
17576	09/25/2008	12:46:32	0.065
17577	09/25/2008	12:46:33	0.055
17578	09/25/2008	12:46:34	0.086
17579	09/25/2008	12:46:35	0.056
17580	09/25/2008	12:46:36	0.058
17581	09/25/2008	12:46:37	0.061
17582	09/25/2008	12:46:38	0.053
17583	09/25/2008	12:46:39	0.057
17584	09/25/2008	12:46:40	0.065
17585	09/25/2008	12:46:41	0.062
17586	09/25/2008	12:46:42	0.053
17587	09/25/2008	12:46:43	0.054
17588	09/25/2008	12:46:44	0.055

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
17589	09/25/2008	12:46:45	0.052
17590	09/25/2008	12:46:46	0.050
17591	09/25/2008	12:46:47	0.053
17592	09/25/2008	12:46:48	0.054
17593	09/25/2008	12:46:49	0.052
17594	09/25/2008	12:46:50	0.053
17595	09/25/2008	12:46:51	0.052
17596	09/25/2008	12:46:52	0.062
17597	09/25/2008	12:46:53	0.067
17598	09/25/2008	12:46:54	0.053
17599	09/25/2008	12:46:55	0.054
17600	09/25/2008	12:46:56	0.053
17601	09/25/2008	12:46:57	0.051
17602	09/25/2008	12:46:58	0.057
17603	09/25/2008	12:46:59	0.058
17604	09/25/2008	12:47:00	0.057
17605	09/25/2008	12:47:01	0.051
17606	09/25/2008	12:47:02	0.051
17607	09/25/2008	12:47:03	0.053
17608	09/25/2008	12:47:04	0.050
17609	09/25/2008	12:47:05	0.052
17610	09/25/2008	12:47:06	0.047
17611	09/25/2008	12:47:07	0.057
17612	09/25/2008	12:47:08	0.057
17613	09/25/2008	12:47:09	0.053
17614	09/25/2008	12:47:10	0.053
17615	09/25/2008	12:47:11	0.050
17616	09/25/2008	12:47:12	0.055
17617	09/25/2008	12:47:13	0.106
17618	09/25/2008	12:47:14	0.069
17619	09/25/2008	12:47:15	0.064
17620	09/25/2008	12:47:16	0.054
17621	09/25/2008	12:47:17	0.058
17622	09/25/2008	12:47:18	0.058
17623	09/25/2008	12:47:19	0.059
17624	09/25/2008	12:47:20	0.054
17625	09/25/2008	12:47:21	0.068
17626	09/25/2008	12:47:22	0.056
17627	09/25/2008	12:47:23	0.061
17628	09/25/2008	12:47:24	0.056
17629	09/25/2008	12:47:25	0.052
17630	09/25/2008	12:47:26	0.053
17631	09/25/2008	12:47:27	0.064
17632	09/25/2008	12:47:28	0.069
17633	09/25/2008	12:47:29	0.085
17634	09/25/2008	12:47:30	0.100
17635	09/25/2008	12:47:31	0.120
17636	09/25/2008	12:47:32	0.072
17637	09/25/2008	12:47:33	0.063
17638	09/25/2008	12:47:34	0.071
17639	09/25/2008	12:47:35	0.075
17640	09/25/2008	12:47:36	0.081
17641	09/25/2008	12:47:37	0.065
17642	09/25/2008	12:47:38	0.093
17643	09/25/2008	12:47:39	0.053

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
17644	09/25/2008	12:47:40	0.059
17645	09/25/2008	12:47:41	0.063
17646	09/25/2008	12:47:42	0.070
17647	09/25/2008	12:47:43	0.087
17648	09/25/2008	12:47:44	0.057
17649	09/25/2008	12:47:45	0.068
17650	09/25/2008	12:47:46	0.063
17651	09/25/2008	12:47:47	0.061
17652	09/25/2008	12:47:48	0.058
17653	09/25/2008	12:47:49	0.065
17654	09/25/2008	12:47:50	0.080
17655	09/25/2008	12:47:51	0.068
17656	09/25/2008	12:47:52	0.079
17657	09/25/2008	12:47:53	0.081
17658	09/25/2008	12:47:54	0.271
17659	09/25/2008	12:47:55	0.182
17660	09/25/2008	12:47:56	0.117
17661	09/25/2008	12:47:57	0.105
17662	09/25/2008	12:47:58	0.097
17663	09/25/2008	12:47:59	0.095
17664	09/25/2008	12:48:00	0.094
17665	09/25/2008	12:48:01	0.077
17666	09/25/2008	12:48:02	0.104
17667	09/25/2008	12:48:03	0.075
17668	09/25/2008	12:48:04	0.067
17669	09/25/2008	12:48:05	0.083
17670	09/25/2008	12:48:06	0.065
17671	09/25/2008	12:48:07	0.067
17672	09/25/2008	12:48:08	0.062
17673	09/25/2008	12:48:09	0.080
17674	09/25/2008	12:48:10	0.065
17675	09/25/2008	12:48:11	0.081
17676	09/25/2008	12:48:12	0.105
17677	09/25/2008	12:48:13	0.079
17678	09/25/2008	12:48:14	0.060
17679	09/25/2008	12:48:15	0.061
17680	09/25/2008	12:48:16	0.062
17681	09/25/2008	12:48:17	0.097
17682	09/25/2008	12:48:18	0.148
17683	09/25/2008	12:48:19	0.107
17684	09/25/2008	12:48:20	0.078
17685	09/25/2008	12:48:21	0.075
17686	09/25/2008	12:48:22	0.078
17687	09/25/2008	12:48:23	0.087
17688	09/25/2008	12:48:24	0.074
17689	09/25/2008	12:48:25	0.070
17690	09/25/2008	12:48:26	0.072
17691	09/25/2008	12:48:27	0.066
17692	09/25/2008	12:48:28	0.065
17693	09/25/2008	12:48:29	0.064
17694	09/25/2008	12:48:30	0.062
17695	09/25/2008	12:48:31	0.064
17696	09/25/2008	12:48:32	0.066
17697	09/25/2008	12:48:33	0.075
17698	09/25/2008	12:48:34	0.071

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
17699	09/25/2008	12:48:35	0.082
17700	09/25/2008	12:48:36	0.133
17701	09/25/2008	12:48:37	0.166
17702	09/25/2008	12:48:38	0.161
17703	09/25/2008	12:48:39	0.187
17704	09/25/2008	12:48:40	0.221
17705	09/25/2008	12:48:41	0.127
17706	09/25/2008	12:48:42	0.097
17707	09/25/2008	12:48:43	0.083
17708	09/25/2008	12:48:44	0.073
17709	09/25/2008	12:48:45	0.086
17710	09/25/2008	12:48:46	0.105
17711	09/25/2008	12:48:47	0.148
17712	09/25/2008	12:48:48	0.108
17713	09/25/2008	12:48:49	0.116
17714	09/25/2008	12:48:50	0.186
17715	09/25/2008	12:48:51	0.156
17716	09/25/2008	12:48:52	0.145
17717	09/25/2008	12:48:53	0.165
17718	09/25/2008	12:48:54	0.126
17719	09/25/2008	12:48:55	0.104
17720	09/25/2008	12:48:56	0.134
17721	09/25/2008	12:48:57	0.123
17722	09/25/2008	12:48:58	0.115
17723	09/25/2008	12:48:59	0.113
17724	09/25/2008	12:49:00	0.178
17725	09/25/2008	12:49:01	0.840
17726	09/25/2008	12:49:02	0.638
17727	09/25/2008	12:49:03	0.641
17728	09/25/2008	12:49:04	0.603
17729	09/25/2008	12:49:05	0.489
17730	09/25/2008	12:49:06	0.350
17731	09/25/2008	12:49:07	0.251
17732	09/25/2008	12:49:08	0.186
17733	09/25/2008	12:49:09	0.148
17734	09/25/2008	12:49:10	0.126
17735	09/25/2008	12:49:11	0.142
17736	09/25/2008	12:49:12	0.157
17737	09/25/2008	12:49:13	0.166
17738	09/25/2008	12:49:14	0.149
17739	09/25/2008	12:49:15	0.147
17740	09/25/2008	12:49:16	0.127
17741	09/25/2008	12:49:17	0.119
17742	09/25/2008	12:49:18	0.114
17743	09/25/2008	12:49:19	0.100
17744	09/25/2008	12:49:20	0.082
17745	09/25/2008	12:49:21	0.076
17746	09/25/2008	12:49:22	0.074
17747	09/25/2008	12:49:23	0.073
17748	09/25/2008	12:49:24	0.078
17749	09/25/2008	12:49:25	0.084
17750	09/25/2008	12:49:26	0.111
17751	09/25/2008	12:49:27	0.094
17752	09/25/2008	12:49:28	0.078
17753	09/25/2008	12:49:29	0.110

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
17754	09/25/2008	12:49:30	0.106
17755	09/25/2008	12:49:31	0.115
17756	09/25/2008	12:49:32	0.104
17757	09/25/2008	12:49:33	0.149
17758	09/25/2008	12:49:34	0.129
17759	09/25/2008	12:49:35	0.105
17760	09/25/2008	12:49:36	0.094
17761	09/25/2008	12:49:37	0.110
17762	09/25/2008	12:49:38	0.104
17763	09/25/2008	12:49:39	0.094
17764	09/25/2008	12:49:40	0.101
17765	09/25/2008	12:49:41	0.107
17766	09/25/2008	12:49:42	0.119
17767	09/25/2008	12:49:43	0.137
17768	09/25/2008	12:49:44	0.117
17769	09/25/2008	12:49:45	0.106
17770	09/25/2008	12:49:46	0.099
17771	09/25/2008	12:49:47	0.150
17772	09/25/2008	12:49:48	0.158
17773	09/25/2008	12:49:49	0.154
17774	09/25/2008	12:49:50	0.113
17775	09/25/2008	12:49:51	0.092
17776	09/25/2008	12:49:52	0.082
17777	09/25/2008	12:49:53	0.078
17778	09/25/2008	12:49:54	0.074
17779	09/25/2008	12:49:55	0.082
17780	09/25/2008	12:49:56	0.082
17781	09/25/2008	12:49:57	0.065
17782	09/25/2008	12:49:58	0.068
17783	09/25/2008	12:49:59	0.063
17784	09/25/2008	12:50:00	0.067
17785	09/25/2008	12:50:01	0.062
17786	09/25/2008	12:50:02	0.079
17787	09/25/2008	12:50:03	0.060
17788	09/25/2008	12:50:04	0.068
17789	09/25/2008	12:50:05	0.090
17790	09/25/2008	12:50:06	0.067
17791	09/25/2008	12:50:07	0.064
17792	09/25/2008	12:50:08	0.095
17793	09/25/2008	12:50:09	0.110
17794	09/25/2008	12:50:10	0.087
17795	09/25/2008	12:50:11	0.086
17796	09/25/2008	12:50:12	0.058
17797	09/25/2008	12:50:13	0.052
17798	09/25/2008	12:50:14	0.056
17799	09/25/2008	12:50:15	0.073
17800	09/25/2008	12:50:16	0.066
17801	09/25/2008	12:50:17	0.060
17802	09/25/2008	12:50:18	0.054
17803	09/25/2008	12:50:19	0.057
17804	09/25/2008	12:50:20	0.053
17805	09/25/2008	12:50:21	0.057
17806	09/25/2008	12:50:22	0.057
17807	09/25/2008	12:50:23	0.055
17808	09/25/2008	12:50:24	0.055

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
17809	09/25/2008	12:50:25	0.074
17810	09/25/2008	12:50:26	0.058
17811	09/25/2008	12:50:27	0.056
17812	09/25/2008	12:50:28	0.053
17813	09/25/2008	12:50:29	0.055
17814	09/25/2008	12:50:30	0.052
17815	09/25/2008	12:50:31	0.085
17816	09/25/2008	12:50:32	0.081
17817	09/25/2008	12:50:33	0.058
17818	09/25/2008	12:50:34	0.058
17819	09/25/2008	12:50:35	0.054
17820	09/25/2008	12:50:36	0.053
17821	09/25/2008	12:50:37	0.060
17822	09/25/2008	12:50:38	0.056
17823	09/25/2008	12:50:39	0.050
17824	09/25/2008	12:50:40	0.050
17825	09/25/2008	12:50:41	0.052
17826	09/25/2008	12:50:42	0.049
17827	09/25/2008	12:50:43	0.053
17828	09/25/2008	12:50:44	0.054
17829	09/25/2008	12:50:45	0.053
17830	09/25/2008	12:50:46	0.053
17831	09/25/2008	12:50:47	0.060
17832	09/25/2008	12:50:48	0.053
17833	09/25/2008	12:50:49	0.104
17834	09/25/2008	12:50:50	0.107
17835	09/25/2008	12:50:51	0.074
17836	09/25/2008	12:50:52	0.089
17837	09/25/2008	12:50:53	0.145
17838	09/25/2008	12:50:54	0.068
17839	09/25/2008	12:50:55	0.068
17840	09/25/2008	12:50:56	0.133
17841	09/25/2008	12:50:57	0.256
17842	09/25/2008	12:50:58	0.098
17843	09/25/2008	12:50:59	0.096
17844	09/25/2008	12:51:00	0.085
17845	09/25/2008	12:51:01	0.121
17846	09/25/2008	12:51:02	0.123
17847	09/25/2008	12:51:03	0.108
17848	09/25/2008	12:51:04	0.088
17849	09/25/2008	12:51:05	0.068
17850	09/25/2008	12:51:06	0.063
17851	09/25/2008	12:51:07	0.062
17852	09/25/2008	12:51:08	0.056
17853	09/25/2008	12:51:09	0.058
17854	09/25/2008	12:51:10	0.054
17855	09/25/2008	12:51:11	0.067
17856	09/25/2008	12:51:12	0.063
17857	09/25/2008	12:51:13	0.056
17858	09/25/2008	12:51:14	0.058
17859	09/25/2008	12:51:15	0.052
17860	09/25/2008	12:51:16	0.053
17861	09/25/2008	12:51:17	0.061
17862	09/25/2008	12:51:18	0.069
17863	09/25/2008	12:51:19	0.051

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
17864	09/25/2008	12:51:20	0.053
17865	09/25/2008	12:51:21	0.053
17866	09/25/2008	12:51:22	0.055
17867	09/25/2008	12:51:23	0.054
17868	09/25/2008	12:51:24	0.054
17869	09/25/2008	12:51:25	0.054
17870	09/25/2008	12:51:26	0.054
17871	09/25/2008	12:51:27	0.052
17872	09/25/2008	12:51:28	0.054
17873	09/25/2008	12:51:29	0.052
17874	09/25/2008	12:51:30	0.051
17875	09/25/2008	12:51:31	0.053
17876	09/25/2008	12:51:32	0.060
17877	09/25/2008	12:51:33	0.053
17878	09/25/2008	12:51:34	0.057
17879	09/25/2008	12:51:35	0.051
17880	09/25/2008	12:51:36	0.050
17881	09/25/2008	12:51:37	0.052
17882	09/25/2008	12:51:38	0.053
17883	09/25/2008	12:51:39	0.052
17884	09/25/2008	12:51:40	0.056
17885	09/25/2008	12:51:41	0.051
17886	09/25/2008	12:51:42	0.054
17887	09/25/2008	12:51:43	0.055
17888	09/25/2008	12:51:44	0.050
17889	09/25/2008	12:51:45	0.053
17890	09/25/2008	12:51:46	0.057
17891	09/25/2008	12:51:47	0.060
17892	09/25/2008	12:51:48	0.059
17893	09/25/2008	12:51:49	0.056
17894	09/25/2008	12:51:50	0.061
17895	09/25/2008	12:51:51	0.059
17896	09/25/2008	12:51:52	0.052
17897	09/25/2008	12:51:53	0.053
17898	09/25/2008	12:51:54	0.053
17899	09/25/2008	12:51:55	0.082
17900	09/25/2008	12:51:56	0.052
17901	09/25/2008	12:51:57	0.058
17902	09/25/2008	12:51:58	0.277
17903	09/25/2008	12:51:59	0.195
17904	09/25/2008	12:52:00	0.162
17905	09/25/2008	12:52:01	0.159
17906	09/25/2008	12:52:02	0.145
17907	09/25/2008	12:52:03	0.124
17908	09/25/2008	12:52:04	0.125
17909	09/25/2008	12:52:05	0.163
17910	09/25/2008	12:52:06	0.130
17911	09/25/2008	12:52:07	0.107
17912	09/25/2008	12:52:08	0.112
17913	09/25/2008	12:52:09	0.154
17914	09/25/2008	12:52:10	0.136
17915	09/25/2008	12:52:11	0.120
17916	09/25/2008	12:52:12	0.084
17917	09/25/2008	12:52:13	0.102
17918	09/25/2008	12:52:14	0.112



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
17919	09/25/2008	12:52:15	0.108
17920	09/25/2008	12:52:16	0.093
17921	09/25/2008	12:52:17	0.120
17922	09/25/2008	12:52:18	0.172
17923	09/25/2008	12:52:19	0.363
17924	09/25/2008	12:52:20	0.244
17925	09/25/2008	12:52:21	0.177
17926	09/25/2008	12:52:22	0.186
17927	09/25/2008	12:52:23	0.201
17928	09/25/2008	12:52:24	0.188
17929	09/25/2008	12:52:25	0.125
17930	09/25/2008	12:52:26	0.116
17931	09/25/2008	12:52:27	0.105
17932	09/25/2008	12:52:28	0.113
17933	09/25/2008	12:52:29	0.213
17934	09/25/2008	12:52:30	0.234
17935	09/25/2008	12:52:31	0.190
17936	09/25/2008	12:52:32	0.217
17937	09/25/2008	12:52:33	0.229
17938	09/25/2008	12:52:34	0.150
17939	09/25/2008	12:52:35	0.129
17940	09/25/2008	12:52:36	0.140
17941	09/25/2008	12:52:37	0.106
17942	09/25/2008	12:52:38	0.083
17943	09/25/2008	12:52:39	0.072
17944	09/25/2008	12:52:40	0.077
17945	09/25/2008	12:52:41	0.080
17946	09/25/2008	12:52:42	0.072
17947	09/25/2008	12:52:43	0.073
17948	09/25/2008	12:52:44	0.075
17949	09/25/2008	12:52:45	0.067
17950	09/25/2008	12:52:46	0.059
17951	09/25/2008	12:52:47	0.059
17952	09/25/2008	12:52:48	0.056
17953	09/25/2008	12:52:49	0.060
17954	09/25/2008	12:52:50	0.175
17955	09/25/2008	12:52:51	0.165
17956	09/25/2008	12:52:52	0.135
17957	09/25/2008	12:52:53	0.107
17958	09/25/2008	12:52:54	0.095
17959	09/25/2008	12:52:55	0.087
17960	09/25/2008	12:52:56	0.061
17961	09/25/2008	12:52:57	0.067
17962	09/25/2008	12:52:58	0.064
17963	09/25/2008	12:52:59	0.072
17964	09/25/2008	12:53:00	0.055
17965	09/25/2008	12:53:01	0.077
17966	09/25/2008	12:53:02	0.053
17967	09/25/2008	12:53:03	0.056
17968	09/25/2008	12:53:04	0.061
17969	09/25/2008	12:53:05	0.054
17970	09/25/2008	12:53:06	0.049
17971	09/25/2008	12:53:07	0.058
17972	09/25/2008	12:53:08	0.058
17973	09/25/2008	12:53:09	0.053

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
17974	09/25/2008	12:53:10	0.056
17975	09/25/2008	12:53:11	0.056
17976	09/25/2008	12:53:12	0.049
17977	09/25/2008	12:53:13	0.056
17978	09/25/2008	12:53:14	0.054
17979	09/25/2008	12:53:15	0.060
17980	09/25/2008	12:53:16	0.051
17981	09/25/2008	12:53:17	0.055
17982	09/25/2008	12:53:18	0.055
17983	09/25/2008	12:53:19	0.055
17984	09/25/2008	12:53:20	0.050
17985	09/25/2008	12:53:21	0.053
17986	09/25/2008	12:53:22	0.053
17987	09/25/2008	12:53:23	0.057
17988	09/25/2008	12:53:24	0.060
17989	09/25/2008	12:53:25	0.053
17990	09/25/2008	12:53:26	0.053
17991	09/25/2008	12:53:27	0.051
17992	09/25/2008	12:53:28	0.051
17993	09/25/2008	12:53:29	0.053
17994	09/25/2008	12:53:30	0.053
17995	09/25/2008	12:53:31	0.049
17996	09/25/2008	12:53:32	0.051
17997	09/25/2008	12:53:33	0.052
17998	09/25/2008	12:53:34	0.055
17999	09/25/2008	12:53:35	0.050
18000	09/25/2008	12:53:36	0.056
18001	09/25/2008	12:53:37	0.056
18002	09/25/2008	12:53:38	0.063
18003	09/25/2008	12:53:39	0.057
18004	09/25/2008	12:53:40	0.055
18005	09/25/2008	12:53:41	0.054
18006	09/25/2008	12:53:42	0.051
18007	09/25/2008	12:53:43	0.052
18008	09/25/2008	12:53:44	0.059
18009	09/25/2008	12:53:45	0.052
18010	09/25/2008	12:53:46	0.053
18011	09/25/2008	12:53:47	0.052
18012	09/25/2008	12:53:48	0.054
18013	09/25/2008	12:53:49	0.052
18014	09/25/2008	12:53:50	0.074
18015	09/25/2008	12:53:51	0.057
18016	09/25/2008	12:53:52	0.054
18017	09/25/2008	12:53:53	0.056
18018	09/25/2008	12:53:54	0.058
18019	09/25/2008	12:53:55	0.054
18020	09/25/2008	12:53:56	0.051
18021	09/25/2008	12:53:57	0.060
18022	09/25/2008	12:53:58	0.051
18023	09/25/2008	12:53:59	0.054
18024	09/25/2008	12:54:00	0.056
18025	09/25/2008	12:54:01	0.056
18026	09/25/2008	12:54:02	0.054
18027	09/25/2008	12:54:03	0.066
18028	09/25/2008	12:54:04	0.057

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
18029	09/25/2008	12:54:05	0.053
18030	09/25/2008	12:54:06	0.049
18031	09/25/2008	12:54:07	0.052
18032	09/25/2008	12:54:08	0.056
18033	09/25/2008	12:54:09	0.055
18034	09/25/2008	12:54:10	0.055
18035	09/25/2008	12:54:11	0.061
18036	09/25/2008	12:54:12	0.049
18037	09/25/2008	12:54:13	0.060
18038	09/25/2008	12:54:14	0.059
18039	09/25/2008	12:54:15	0.054
18040	09/25/2008	12:54:16	0.052
18041	09/25/2008	12:54:17	0.059
18042	09/25/2008	12:54:18	0.054
18043	09/25/2008	12:54:19	0.051
18044	09/25/2008	12:54:20	0.053
18045	09/25/2008	12:54:21	0.054
18046	09/25/2008	12:54:22	0.057
18047	09/25/2008	12:54:23	0.055
18048	09/25/2008	12:54:24	0.060
18049	09/25/2008	12:54:25	0.060
18050	09/25/2008	12:54:26	0.052
18051	09/25/2008	12:54:27	0.060
18052	09/25/2008	12:54:28	0.056
18053	09/25/2008	12:54:29	0.052
18054	09/25/2008	12:54:30	0.054
18055	09/25/2008	12:54:31	0.083
18056	09/25/2008	12:54:32	0.106
18057	09/25/2008	12:54:33	0.066
18058	09/25/2008	12:54:34	0.059
18059	09/25/2008	12:54:35	0.062
18060	09/25/2008	12:54:36	0.055
18061	09/25/2008	12:54:37	0.056
18062	09/25/2008	12:54:38	0.060
18063	09/25/2008	12:54:39	0.050
18064	09/25/2008	12:54:40	0.052
18065	09/25/2008	12:54:41	0.059
18066	09/25/2008	12:54:42	0.053
18067	09/25/2008	12:54:43	0.054
18068	09/25/2008	12:54:44	0.065
18069	09/25/2008	12:54:45	0.081
18070	09/25/2008	12:54:46	0.107
18071	09/25/2008	12:54:47	0.058
18072	09/25/2008	12:54:48	0.054
18073	09/25/2008	12:54:49	0.053
18074	09/25/2008	12:54:50	0.054
18075	09/25/2008	12:54:51	0.056
18076	09/25/2008	12:54:52	0.053
18077	09/25/2008	12:54:53	0.050
18078	09/25/2008	12:54:54	0.052
18079	09/25/2008	12:54:55	0.052
18080	09/25/2008	12:54:56	0.059
18081	09/25/2008	12:54:57	0.070
18082	09/25/2008	12:54:58	0.062
18083	09/25/2008	12:54:59	0.064

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
18084	09/25/2008	12:55:00	0.061
18085	09/25/2008	12:55:01	0.059
18086	09/25/2008	12:55:02	0.050
18087	09/25/2008	12:55:03	0.055
18088	09/25/2008	12:55:04	0.063
18089	09/25/2008	12:55:05	0.060
18090	09/25/2008	12:55:06	0.206
18091	09/25/2008	12:55:07	0.223
18092	09/25/2008	12:55:08	0.200
18093	09/25/2008	12:55:09	0.187
18094	09/25/2008	12:55:10	0.160
18095	09/25/2008	12:55:11	0.121
18096	09/25/2008	12:55:12	0.121
18097	09/25/2008	12:55:13	0.099
18098	09/25/2008	12:55:14	0.107
18099	09/25/2008	12:55:15	0.117
18100	09/25/2008	12:55:16	0.136
18101	09/25/2008	12:55:17	0.119
18102	09/25/2008	12:55:18	0.116
18103	09/25/2008	12:55:19	0.101
18104	09/25/2008	12:55:20	0.077
18105	09/25/2008	12:55:21	0.075
18106	09/25/2008	12:55:22	0.077
18107	09/25/2008	12:55:23	0.068
18108	09/25/2008	12:55:24	0.063
18109	09/25/2008	12:55:25	0.067
18110	09/25/2008	12:55:26	0.067
18111	09/25/2008	12:55:27	0.095
18112	09/25/2008	12:55:28	0.080
18113	09/25/2008	12:55:29	0.112
18114	09/25/2008	12:55:30	0.070
18115	09/25/2008	12:55:31	0.181
18116	09/25/2008	12:55:32	0.066
18117	09/25/2008	12:55:33	0.056
18118	09/25/2008	12:55:34	0.056
18119	09/25/2008	12:55:35	0.057
18120	09/25/2008	12:55:36	0.059
18121	09/25/2008	12:55:37	0.058
18122	09/25/2008	12:55:38	0.053
18123	09/25/2008	12:55:39	0.054
18124	09/25/2008	12:55:40	0.062
18125	09/25/2008	12:55:41	0.063
18126	09/25/2008	12:55:42	0.054
18127	09/25/2008	12:55:43	0.059
18128	09/25/2008	12:55:44	0.054
18129	09/25/2008	12:55:45	0.061
18130	09/25/2008	12:55:46	0.069
18131	09/25/2008	12:55:47	0.063
18132	09/25/2008	12:55:48	0.073
18133	09/25/2008	12:55:49	0.082
18134	09/25/2008	12:55:50	0.098
18135	09/25/2008	12:55:51	0.096
18136	09/25/2008	12:55:52	0.100
18137	09/25/2008	12:55:53	0.078
18138	09/25/2008	12:55:54	0.063

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
18139	09/25/2008	12:55:55	0.081
18140	09/25/2008	12:55:56	0.064
18141	09/25/2008	12:55:57	0.093
18142	09/25/2008	12:55:58	0.102
18143	09/25/2008	12:55:59	0.161
18144	09/25/2008	12:56:00	0.138
18145	09/25/2008	12:56:01	0.113
18146	09/25/2008	12:56:02	0.071
18147	09/25/2008	12:56:03	0.064
18148	09/25/2008	12:56:04	0.065
18149	09/25/2008	12:56:05	0.071
18150	09/25/2008	12:56:06	0.078
18151	09/25/2008	12:56:07	0.072
18152	09/25/2008	12:56:08	0.069
18153	09/25/2008	12:56:09	0.083
18154	09/25/2008	12:56:10	0.089
18155	09/25/2008	12:56:11	0.101
18156	09/25/2008	12:56:12	0.099
18157	09/25/2008	12:56:13	0.080
18158	09/25/2008	12:56:14	0.108
18159	09/25/2008	12:56:15	0.111
18160	09/25/2008	12:56:16	0.094
18161	09/25/2008	12:56:17	0.084
18162	09/25/2008	12:56:18	0.096
18163	09/25/2008	12:56:19	0.086
18164	09/25/2008	12:56:20	0.083
18165	09/25/2008	12:56:21	0.092
18166	09/25/2008	12:56:22	0.083
18167	09/25/2008	12:56:23	0.078
18168	09/25/2008	12:56:24	0.073
18169	09/25/2008	12:56:25	0.070
18170	09/25/2008	12:56:26	0.081
18171	09/25/2008	12:56:27	0.209
18172	09/25/2008	12:56:28	0.072
18173	09/25/2008	12:56:29	0.092
18174	09/25/2008	12:56:30	0.140
18175	09/25/2008	12:56:31	0.119
18176	09/25/2008	12:56:32	0.097
18177	09/25/2008	12:56:33	0.090
18178	09/25/2008	12:56:34	0.074
18179	09/25/2008	12:56:35	0.116
18180	09/25/2008	12:56:36	0.060
18181	09/25/2008	12:56:37	0.059
18182	09/25/2008	12:56:38	0.065
18183	09/25/2008	12:56:39	0.072
18184	09/25/2008	12:56:40	0.058
18185	09/25/2008	12:56:41	0.058
18186	09/25/2008	12:56:42	0.063
18187	09/25/2008	12:56:43	0.071
18188	09/25/2008	12:56:44	0.065
18189	09/25/2008	12:56:45	0.063
18190	09/25/2008	12:56:46	0.064
18191	09/25/2008	12:56:47	0.066
18192	09/25/2008	12:56:48	0.101
18193	09/25/2008	12:56:49	0.085

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
18194	09/25/2008	12:56:50	0.060
18195	09/25/2008	12:56:51	0.060
18196	09/25/2008	12:56:52	0.059
18197	09/25/2008	12:56:53	0.062
18198	09/25/2008	12:56:54	0.080
18199	09/25/2008	12:56:55	0.111
18200	09/25/2008	12:56:56	0.081
18201	09/25/2008	12:56:57	0.061
18202	09/25/2008	12:56:58	0.058
18203	09/25/2008	12:56:59	0.057
18204	09/25/2008	12:57:00	0.061
18205	09/25/2008	12:57:01	0.057
18206	09/25/2008	12:57:02	0.053
18207	09/25/2008	12:57:03	0.059
18208	09/25/2008	12:57:04	0.055
18209	09/25/2008	12:57:05	0.055
18210	09/25/2008	12:57:06	0.060
18211	09/25/2008	12:57:07	0.057
18212	09/25/2008	12:57:08	0.068
18213	09/25/2008	12:57:09	0.049
18214	09/25/2008	12:57:10	0.055
18215	09/25/2008	12:57:11	0.060
18216	09/25/2008	12:57:12	0.054
18217	09/25/2008	12:57:13	0.063
18218	09/25/2008	12:57:14	0.065
18219	09/25/2008	12:57:15	0.053
18220	09/25/2008	12:57:16	0.053
18221	09/25/2008	12:57:17	0.052
18222	09/25/2008	12:57:18	0.055
18223	09/25/2008	12:57:19	0.060
18224	09/25/2008	12:57:20	0.049
18225	09/25/2008	12:57:21	0.060
18226	09/25/2008	12:57:22	0.052
18227	09/25/2008	12:57:23	0.053
18228	09/25/2008	12:57:24	0.070
18229	09/25/2008	12:57:25	0.059
18230	09/25/2008	12:57:26	0.054
18231	09/25/2008	12:57:27	0.050
18232	09/25/2008	12:57:28	0.056
18233	09/25/2008	12:57:29	0.057
18234	09/25/2008	12:57:30	0.052
18235	09/25/2008	12:57:31	0.054
18236	09/25/2008	12:57:32	0.055
18237	09/25/2008	12:57:33	0.062
18238	09/25/2008	12:57:34	0.072
18239	09/25/2008	12:57:35	0.062
18240	09/25/2008	12:57:36	0.058
18241	09/25/2008	12:57:37	0.061
18242	09/25/2008	12:57:38	0.049
18243	09/25/2008	12:57:39	0.053
18244	09/25/2008	12:57:40	0.052
18245	09/25/2008	12:57:41	0.067
18246	09/25/2008	12:57:42	0.057
18247	09/25/2008	12:57:43	0.054
18248	09/25/2008	12:57:44	0.056

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
18249	09/25/2008	12:57:45	0.056
18250	09/25/2008	12:57:46	0.053
18251	09/25/2008	12:57:47	0.054
18252	09/25/2008	12:57:48	0.054
18253	09/25/2008	12:57:49	0.055
18254	09/25/2008	12:57:50	0.055
18255	09/25/2008	12:57:51	0.056
18256	09/25/2008	12:57:52	0.054
18257	09/25/2008	12:57:53	0.059
18258	09/25/2008	12:57:54	0.059
18259	09/25/2008	12:57:55	0.055
18260	09/25/2008	12:57:56	0.055
18261	09/25/2008	12:57:57	0.051
18262	09/25/2008	12:57:58	0.053
18263	09/25/2008	12:57:59	0.058
18264	09/25/2008	12:58:00	0.069
18265	09/25/2008	12:58:01	0.129
18266	09/25/2008	12:58:02	0.103
18267	09/25/2008	12:58:03	0.075
18268	09/25/2008	12:58:04	0.056
18269	09/25/2008	12:58:05	0.054
18270	09/25/2008	12:58:06	0.056
18271	09/25/2008	12:58:07	0.057
18272	09/25/2008	12:58:08	0.059
18273	09/25/2008	12:58:09	0.056
18274	09/25/2008	12:58:10	0.058
18275	09/25/2008	12:58:11	0.116
18276	09/25/2008	12:58:12	0.054
18277	09/25/2008	12:58:13	0.059
18278	09/25/2008	12:58:14	0.075
18279	09/25/2008	12:58:15	0.080
18280	09/25/2008	12:58:16	0.064
18281	09/25/2008	12:58:17	0.077
18282	09/25/2008	12:58:18	0.065
18283	09/25/2008	12:58:19	0.056
18284	09/25/2008	12:58:20	0.059
18285	09/25/2008	12:58:21	0.054
18286	09/25/2008	12:58:22	0.055
18287	09/25/2008	12:58:23	0.066
18288	09/25/2008	12:58:24	0.058
18289	09/25/2008	12:58:25	0.053
18290	09/25/2008	12:58:26	0.057
18291	09/25/2008	12:58:27	0.050
18292	09/25/2008	12:58:28	0.058
18293	09/25/2008	12:58:29	0.053
18294	09/25/2008	12:58:30	0.052
18295	09/25/2008	12:58:31	0.057
18296	09/25/2008	12:58:32	0.056
18297	09/25/2008	12:58:33	0.056
18298	09/25/2008	12:58:34	0.049
18299	09/25/2008	12:58:35	0.056
18300	09/25/2008	12:58:36	0.053
18301	09/25/2008	12:58:37	0.056
18302	09/25/2008	12:58:38	0.055
18303	09/25/2008	12:58:39	0.051

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
18304	09/25/2008	12:58:40	0.053
18305	09/25/2008	12:58:41	0.051
18306	09/25/2008	12:58:42	0.050
18307	09/25/2008	12:58:43	0.081
18308	09/25/2008	12:58:44	0.055
18309	09/25/2008	12:58:45	0.068
18310	09/25/2008	12:58:46	0.052
18311	09/25/2008	12:58:47	0.055
18312	09/25/2008	12:58:48	0.058
18313	09/25/2008	12:58:49	0.055
18314	09/25/2008	12:58:50	0.056
18315	09/25/2008	12:58:51	0.056
18316	09/25/2008	12:58:52	0.057
18317	09/25/2008	12:58:53	0.060
18318	09/25/2008	12:58:54	0.078
18319	09/25/2008	12:58:55	0.063
18320	09/25/2008	12:58:56	0.055
18321	09/25/2008	12:58:57	0.054
18322	09/25/2008	12:58:58	0.062
18323	09/25/2008	12:58:59	0.074
18324	09/25/2008	12:59:00	0.056
18325	09/25/2008	12:59:01	0.061
18326	09/25/2008	12:59:02	0.056
18327	09/25/2008	12:59:03	0.062
18328	09/25/2008	12:59:04	0.142
18329	09/25/2008	12:59:05	0.101
18330	09/25/2008	12:59:06	0.139
18331	09/25/2008	12:59:07	0.143
18332	09/25/2008	12:59:08	0.142
18333	09/25/2008	12:59:09	0.138
18334	09/25/2008	12:59:10	0.123
18335	09/25/2008	12:59:11	0.097
18336	09/25/2008	12:59:12	0.083
18337	09/25/2008	12:59:13	0.088
18338	09/25/2008	12:59:14	0.110
18339	09/25/2008	12:59:15	0.080
18340	09/25/2008	12:59:16	0.102
18341	09/25/2008	12:59:17	0.113
18342	09/25/2008	12:59:18	0.110
18343	09/25/2008	12:59:19	0.086
18344	09/25/2008	12:59:20	0.079
18345	09/25/2008	12:59:21	0.067
18346	09/25/2008	12:59:22	0.066
18347	09/25/2008	12:59:23	0.064
18348	09/25/2008	12:59:24	0.089
18349	09/25/2008	12:59:25	0.119
18350	09/25/2008	12:59:26	0.117
18351	09/25/2008	12:59:27	0.182
18352	09/25/2008	12:59:28	0.115
18353	09/25/2008	12:59:29	0.090
18354	09/25/2008	12:59:30	0.109
18355	09/25/2008	12:59:31	0.108
18356	09/25/2008	12:59:32	0.094
18357	09/25/2008	12:59:33	0.062
18358	09/25/2008	12:59:34	0.062



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
18359	09/25/2008	12:59:35	0.062
18360	09/25/2008	12:59:36	0.060
18361	09/25/2008	12:59:37	0.073
18362	09/25/2008	12:59:38	0.078
18363	09/25/2008	12:59:39	0.066
18364	09/25/2008	12:59:40	0.061
18365	09/25/2008	12:59:41	0.062
18366	09/25/2008	12:59:42	0.055
18367	09/25/2008	12:59:43	0.053
18368	09/25/2008	12:59:44	0.061
18369	09/25/2008	12:59:45	0.051
18370	09/25/2008	12:59:46	0.057
18371	09/25/2008	12:59:47	0.064
18372	09/25/2008	12:59:48	0.060
18373	09/25/2008	12:59:49	0.055
18374	09/25/2008	12:59:50	0.057
18375	09/25/2008	12:59:51	0.060
18376	09/25/2008	12:59:52	0.082
18377	09/25/2008	12:59:53	0.055
18378	09/25/2008	12:59:54	0.057
18379	09/25/2008	12:59:55	0.059
18380	09/25/2008	12:59:56	0.082
18381	09/25/2008	12:59:57	0.062
18382	09/25/2008	12:59:58	0.057
18383	09/25/2008	12:59:59	0.049
18384	09/25/2008	13:00:00	0.055
18385	09/25/2008	13:00:01	0.088
18386	09/25/2008	13:00:02	0.085
18387	09/25/2008	13:00:03	0.111
18388	09/25/2008	13:00:04	0.092
18389	09/25/2008	13:00:05	0.104
18390	09/25/2008	13:00:06	0.103
18391	09/25/2008	13:00:07	0.104
18392	09/25/2008	13:00:08	0.095
18393	09/25/2008	13:00:09	0.084
18394	09/25/2008	13:00:10	0.070
18395	09/25/2008	13:00:11	0.066
18396	09/25/2008	13:00:12	0.069
18397	09/25/2008	13:00:13	0.079
18398	09/25/2008	13:00:14	0.059
18399	09/25/2008	13:00:15	0.061
18400	09/25/2008	13:00:16	0.075
18401	09/25/2008	13:00:17	0.094
18402	09/25/2008	13:00:18	0.059
18403	09/25/2008	13:00:19	0.071
18404	09/25/2008	13:00:20	0.110
18405	09/25/2008	13:00:21	0.071
18406	09/25/2008	13:00:22	0.060
18407	09/25/2008	13:00:23	0.079
18408	09/25/2008	13:00:24	0.060
18409	09/25/2008	13:00:25	0.063
18410	09/25/2008	13:00:26	0.062
18411	09/25/2008	13:00:27	0.064
18412	09/25/2008	13:00:28	0.072
18413	09/25/2008	13:00:29	0.069

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
18414	09/25/2008	13:00:30	0.065
18415	09/25/2008	13:00:31	0.063
18416	09/25/2008	13:00:32	0.061
18417	09/25/2008	13:00:33	0.058
18418	09/25/2008	13:00:34	0.070
18419	09/25/2008	13:00:35	0.055
18420	09/25/2008	13:00:36	0.053
18421	09/25/2008	13:00:37	0.063
18422	09/25/2008	13:00:38	0.058
18423	09/25/2008	13:00:39	0.066
18424	09/25/2008	13:00:40	0.071
18425	09/25/2008	13:00:41	0.067
18426	09/25/2008	13:00:42	0.084
18427	09/25/2008	13:00:43	0.054
18428	09/25/2008	13:00:44	0.054
18429	09/25/2008	13:00:45	0.056
18430	09/25/2008	13:00:46	0.055
18431	09/25/2008	13:00:47	0.057
18432	09/25/2008	13:00:48	0.056
18433	09/25/2008	13:00:49	0.050
18434	09/25/2008	13:00:50	0.058
18435	09/25/2008	13:00:51	0.055
18436	09/25/2008	13:00:52	0.056
18437	09/25/2008	13:00:53	0.051
18438	09/25/2008	13:00:54	0.059
18439	09/25/2008	13:00:55	0.056
18440	09/25/2008	13:00:56	0.057
18441	09/25/2008	13:00:57	0.050
18442	09/25/2008	13:00:58	0.053
18443	09/25/2008	13:00:59	0.050
18444	09/25/2008	13:01:00	0.046
18445	09/25/2008	13:01:01	0.055
18446	09/25/2008	13:01:02	0.053
18447	09/25/2008	13:01:03	0.049
18448	09/25/2008	13:01:04	0.054
18449	09/25/2008	13:01:05	0.054
18450	09/25/2008	13:01:06	0.056
18451	09/25/2008	13:01:07	0.058
18452	09/25/2008	13:01:08	0.057
18453	09/25/2008	13:01:09	0.056
18454	09/25/2008	13:01:10	0.065
18455	09/25/2008	13:01:11	0.059
18456	09/25/2008	13:01:12	0.057
18457	09/25/2008	13:01:13	0.055
18458	09/25/2008	13:01:14	0.052
18459	09/25/2008	13:01:15	0.056
18460	09/25/2008	13:01:16	0.052
18461	09/25/2008	13:01:17	0.056
18462	09/25/2008	13:01:18	0.056
18463	09/25/2008	13:01:19	0.054
18464	09/25/2008	13:01:20	0.053
18465	09/25/2008	13:01:21	0.056
18466	09/25/2008	13:01:22	0.054
18467	09/25/2008	13:01:23	0.057
18468	09/25/2008	13:01:24	0.055

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
18469	09/25/2008	13:01:25	0.059
18470	09/25/2008	13:01:26	0.054
18471	09/25/2008	13:01:27	0.059
18472	09/25/2008	13:01:28	0.058
18473	09/25/2008	13:01:29	0.060
18474	09/25/2008	13:01:30	0.054
18475	09/25/2008	13:01:31	0.060
18476	09/25/2008	13:01:32	0.050
18477	09/25/2008	13:01:33	0.056
18478	09/25/2008	13:01:34	0.055
18479	09/25/2008	13:01:35	0.053
18480	09/25/2008	13:01:36	0.051
18481	09/25/2008	13:01:37	0.060
18482	09/25/2008	13:01:38	0.053
18483	09/25/2008	13:01:39	0.056
18484	09/25/2008	13:01:40	0.051
18485	09/25/2008	13:01:41	0.059
18486	09/25/2008	13:01:42	0.054
18487	09/25/2008	13:01:43	0.059
18488	09/25/2008	13:01:44	0.053
18489	09/25/2008	13:01:45	0.057
18490	09/25/2008	13:01:46	0.054
18491	09/25/2008	13:01:47	0.069
18492	09/25/2008	13:01:48	0.058
18493	09/25/2008	13:01:49	0.051
18494	09/25/2008	13:01:50	0.055
18495	09/25/2008	13:01:51	0.073
18496	09/25/2008	13:01:52	0.056
18497	09/25/2008	13:01:53	0.051
18498	09/25/2008	13:01:54	0.059
18499	09/25/2008	13:01:55	0.053
18500	09/25/2008	13:01:56	0.056
18501	09/25/2008	13:01:57	0.070
18502	09/25/2008	13:01:58	0.066
18503	09/25/2008	13:01:59	0.055
18504	09/25/2008	13:02:00	0.060
18505	09/25/2008	13:02:01	0.058
18506	09/25/2008	13:02:02	0.055
18507	09/25/2008	13:02:03	0.059
18508	09/25/2008	13:02:04	0.068
18509	09/25/2008	13:02:05	0.053
18510	09/25/2008	13:02:06	0.067
18511	09/25/2008	13:02:07	0.052
18512	09/25/2008	13:02:08	0.054
18513	09/25/2008	13:02:09	0.056
18514	09/25/2008	13:02:10	0.052
18515	09/25/2008	13:02:11	0.052
18516	09/25/2008	13:02:12	0.060
18517	09/25/2008	13:02:13	0.056
18518	09/25/2008	13:02:14	0.059
18519	09/25/2008	13:02:15	0.049
18520	09/25/2008	13:02:16	0.055
18521	09/25/2008	13:02:17	0.056
18522	09/25/2008	13:02:18	0.055
18523	09/25/2008	13:02:19	0.056

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
18524	09/25/2008	13:02:20	0.051
18525	09/25/2008	13:02:21	0.054
18526	09/25/2008	13:02:22	0.056
18527	09/25/2008	13:02:23	0.050
18528	09/25/2008	13:02:24	0.053
18529	09/25/2008	13:02:25	0.061
18530	09/25/2008	13:02:26	0.055
18531	09/25/2008	13:02:27	0.054
18532	09/25/2008	13:02:28	0.055
18533	09/25/2008	13:02:29	0.052
18534	09/25/2008	13:02:30	0.052
18535	09/25/2008	13:02:31	0.053
18536	09/25/2008	13:02:32	0.077
18537	09/25/2008	13:02:33	0.056
18538	09/25/2008	13:02:34	0.051
18539	09/25/2008	13:02:35	0.061
18540	09/25/2008	13:02:36	0.056
18541	09/25/2008	13:02:37	0.052
18542	09/25/2008	13:02:38	0.053
18543	09/25/2008	13:02:39	0.056
18544	09/25/2008	13:02:40	0.053
18545	09/25/2008	13:02:41	0.056
18546	09/25/2008	13:02:42	0.067
18547	09/25/2008	13:02:43	0.055
18548	09/25/2008	13:02:44	0.057
18549	09/25/2008	13:02:45	0.058
18550	09/25/2008	13:02:46	0.055
18551	09/25/2008	13:02:47	0.055
18552	09/25/2008	13:02:48	0.052
18553	09/25/2008	13:02:49	0.054
18554	09/25/2008	13:02:50	0.067
18555	09/25/2008	13:02:51	0.074
18556	09/25/2008	13:02:52	0.052
18557	09/25/2008	13:02:53	0.054
18558	09/25/2008	13:02:54	0.052
18559	09/25/2008	13:02:55	0.059
18560	09/25/2008	13:02:56	0.064
18561	09/25/2008	13:02:57	0.075
18562	09/25/2008	13:02:58	0.052
18563	09/25/2008	13:02:59	0.055
18564	09/25/2008	13:03:00	0.056
18565	09/25/2008	13:03:01	0.052
18566	09/25/2008	13:03:02	0.054
18567	09/25/2008	13:03:03	0.058
18568	09/25/2008	13:03:04	0.054
18569	09/25/2008	13:03:05	0.053
18570	09/25/2008	13:03:06	0.055
18571	09/25/2008	13:03:07	0.052
18572	09/25/2008	13:03:08	0.055
18573	09/25/2008	13:03:09	0.057
18574	09/25/2008	13:03:10	0.057
18575	09/25/2008	13:03:11	0.052
18576	09/25/2008	13:03:12	0.053
18577	09/25/2008	13:03:13	0.060
18578	09/25/2008	13:03:14	0.053

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
18579	09/25/2008	13:03:15	0.057
18580	09/25/2008	13:03:16	0.061
18581	09/25/2008	13:03:17	0.057
18582	09/25/2008	13:03:18	0.054
18583	09/25/2008	13:03:19	0.054
18584	09/25/2008	13:03:20	0.054
18585	09/25/2008	13:03:21	0.054
18586	09/25/2008	13:03:22	0.056
18587	09/25/2008	13:03:23	0.057
18588	09/25/2008	13:03:24	0.058
18589	09/25/2008	13:03:25	0.056
18590	09/25/2008	13:03:26	0.053
18591	09/25/2008	13:03:27	0.050
18592	09/25/2008	13:03:28	0.056
18593	09/25/2008	13:03:29	0.056
18594	09/25/2008	13:03:30	0.054
18595	09/25/2008	13:03:31	0.056
18596	09/25/2008	13:03:32	0.075
18597	09/25/2008	13:03:33	0.055
18598	09/25/2008	13:03:34	0.055
18599	09/25/2008	13:03:35	0.067
18600	09/25/2008	13:03:36	0.078
18601	09/25/2008	13:03:37	0.057
18602	09/25/2008	13:03:38	0.061
18603	09/25/2008	13:03:39	0.059
18604	09/25/2008	13:03:40	0.072
18605	09/25/2008	13:03:41	0.067
18606	09/25/2008	13:03:42	0.060
18607	09/25/2008	13:03:43	0.057
18608	09/25/2008	13:03:44	0.057
18609	09/25/2008	13:03:45	0.075
18610	09/25/2008	13:03:46	0.103
18611	09/25/2008	13:03:47	0.102
18612	09/25/2008	13:03:48	0.087
18613	09/25/2008	13:03:49	0.095
18614	09/25/2008	13:03:50	0.075
18615	09/25/2008	13:03:51	0.099
18616	09/25/2008	13:03:52	0.072
18617	09/25/2008	13:03:53	0.074
18618	09/25/2008	13:03:54	0.072
18619	09/25/2008	13:03:55	0.102
18620	09/25/2008	13:03:56	0.098
18621	09/25/2008	13:03:57	0.065
18622	09/25/2008	13:03:58	0.065
18623	09/25/2008	13:03:59	0.069
18624	09/25/2008	13:04:00	0.056
18625	09/25/2008	13:04:01	0.081
18626	09/25/2008	13:04:02	0.060
18627	09/25/2008	13:04:03	0.107
18628	09/25/2008	13:04:04	0.057
18629	09/25/2008	13:04:05	0.061
18630	09/25/2008	13:04:06	0.077
18631	09/25/2008	13:04:07	0.059
18632	09/25/2008	13:04:08	0.057
18633	09/25/2008	13:04:09	0.066

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
18634	09/25/2008	13:04:10	0.065
18635	09/25/2008	13:04:11	0.055
18636	09/25/2008	13:04:12	0.067
18637	09/25/2008	13:04:13	0.057
18638	09/25/2008	13:04:14	0.058
18639	09/25/2008	13:04:15	0.056
18640	09/25/2008	13:04:16	0.059
18641	09/25/2008	13:04:17	0.066
18642	09/25/2008	13:04:18	0.063
18643	09/25/2008	13:04:19	0.058
18644	09/25/2008	13:04:20	0.052
18645	09/25/2008	13:04:21	0.054
18646	09/25/2008	13:04:22	0.055
18647	09/25/2008	13:04:23	0.058
18648	09/25/2008	13:04:24	0.065
18649	09/25/2008	13:04:25	0.055
18650	09/25/2008	13:04:26	0.071
18651	09/25/2008	13:04:27	0.053
18652	09/25/2008	13:04:28	0.059
18653	09/25/2008	13:04:29	0.055
18654	09/25/2008	13:04:30	0.058
18655	09/25/2008	13:04:31	0.076
18656	09/25/2008	13:04:32	0.084
18657	09/25/2008	13:04:33	0.125
18658	09/25/2008	13:04:34	0.087
18659	09/25/2008	13:04:35	0.098
18660	09/25/2008	13:04:36	0.198
18661	09/25/2008	13:04:37	0.230
18662	09/25/2008	13:04:38	0.117
18663	09/25/2008	13:04:39	0.063
18664	09/25/2008	13:04:40	0.069
18665	09/25/2008	13:04:41	0.071
18666	09/25/2008	13:04:42	0.082
18667	09/25/2008	13:04:43	0.288
18668	09/25/2008	13:04:44	0.256
18669	09/25/2008	13:04:45	0.203
18670	09/25/2008	13:04:46	0.175
18671	09/25/2008	13:04:47	0.124
18672	09/25/2008	13:04:48	0.091
18673	09/25/2008	13:04:49	0.079
18674	09/25/2008	13:04:50	0.075
18675	09/25/2008	13:04:51	0.076
18676	09/25/2008	13:04:52	0.078
18677	09/25/2008	13:04:53	0.086
18678	09/25/2008	13:04:54	0.070
18679	09/25/2008	13:04:55	0.080
18680	09/25/2008	13:04:56	0.085
18681	09/25/2008	13:04:57	0.063
18682	09/25/2008	13:04:58	0.076
18683	09/25/2008	13:04:59	0.068
18684	09/25/2008	13:05:00	0.071
18685	09/25/2008	13:05:01	0.065
18686	09/25/2008	13:05:02	0.070
18687	09/25/2008	13:05:03	0.054
18688	09/25/2008	13:05:04	0.060

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
18689	09/25/2008	13:05:05	0.066
18690	09/25/2008	13:05:06	0.060
18691	09/25/2008	13:05:07	0.055
18692	09/25/2008	13:05:08	0.066
18693	09/25/2008	13:05:09	0.058
18694	09/25/2008	13:05:10	0.056
18695	09/25/2008	13:05:11	0.058
18696	09/25/2008	13:05:12	0.057
18697	09/25/2008	13:05:13	0.071
18698	09/25/2008	13:05:14	0.055
18699	09/25/2008	13:05:15	0.073
18700	09/25/2008	13:05:16	0.096
18701	09/25/2008	13:05:17	0.060
18702	09/25/2008	13:05:18	0.062
18703	09/25/2008	13:05:19	0.056
18704	09/25/2008	13:05:20	0.052
18705	09/25/2008	13:05:21	0.055
18706	09/25/2008	13:05:22	0.055
18707	09/25/2008	13:05:23	0.056
18708	09/25/2008	13:05:24	0.052
18709	09/25/2008	13:05:25	0.059
18710	09/25/2008	13:05:26	0.053
18711	09/25/2008	13:05:27	0.062
18712	09/25/2008	13:05:28	0.053
18713	09/25/2008	13:05:29	0.061
18714	09/25/2008	13:05:30	0.066
18715	09/25/2008	13:05:31	0.051
18716	09/25/2008	13:05:32	0.053
18717	09/25/2008	13:05:33	0.068
18718	09/25/2008	13:05:34	0.053
18719	09/25/2008	13:05:35	0.055
18720	09/25/2008	13:05:36	0.053
18721	09/25/2008	13:05:37	0.054
18722	09/25/2008	13:05:38	0.051
18723	09/25/2008	13:05:39	0.053
18724	09/25/2008	13:05:40	0.050
18725	09/25/2008	13:05:41	0.051
18726	09/25/2008	13:05:42	0.056
18727	09/25/2008	13:05:43	0.052
18728	09/25/2008	13:05:44	0.053
18729	09/25/2008	13:05:45	0.054
18730	09/25/2008	13:05:46	0.053
18731	09/25/2008	13:05:47	0.054
18732	09/25/2008	13:05:48	0.052
18733	09/25/2008	13:05:49	0.074
18734	09/25/2008	13:05:50	0.057
18735	09/25/2008	13:05:51	0.053
18736	09/25/2008	13:05:52	0.054
18737	09/25/2008	13:05:53	0.063
18738	09/25/2008	13:05:54	0.054
18739	09/25/2008	13:05:55	0.058
18740	09/25/2008	13:05:56	0.057
18741	09/25/2008	13:05:57	0.056
18742	09/25/2008	13:05:58	0.052
18743	09/25/2008	13:05:59	0.053

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
18744	09/25/2008	13:06:00	0.059
18745	09/25/2008	13:06:01	0.049
18746	09/25/2008	13:06:02	0.057
18747	09/25/2008	13:06:03	0.058
18748	09/25/2008	13:06:04	0.064
18749	09/25/2008	13:06:05	0.055
18750	09/25/2008	13:06:06	0.057
18751	09/25/2008	13:06:07	0.059
18752	09/25/2008	13:06:08	0.070
18753	09/25/2008	13:06:09	0.057
18754	09/25/2008	13:06:10	0.048
18755	09/25/2008	13:06:11	0.057
18756	09/25/2008	13:06:12	0.071
18757	09/25/2008	13:06:13	0.055
18758	09/25/2008	13:06:14	0.051
18759	09/25/2008	13:06:15	0.056
18760	09/25/2008	13:06:16	0.058
18761	09/25/2008	13:06:17	0.056
18762	09/25/2008	13:06:18	0.057
18763	09/25/2008	13:06:19	0.049
18764	09/25/2008	13:06:20	0.050
18765	09/25/2008	13:06:21	0.054
18766	09/25/2008	13:06:22	0.087
18767	09/25/2008	13:06:23	0.068
18768	09/25/2008	13:06:24	0.059
18769	09/25/2008	13:06:25	0.059
18770	09/25/2008	13:06:26	0.052
18771	09/25/2008	13:06:27	0.059
18772	09/25/2008	13:06:28	0.068
18773	09/25/2008	13:06:29	0.054
18774	09/25/2008	13:06:30	0.059
18775	09/25/2008	13:06:31	0.053
18776	09/25/2008	13:06:32	0.051
18777	09/25/2008	13:06:33	0.053
18778	09/25/2008	13:06:34	0.057
18779	09/25/2008	13:06:35	0.056
18780	09/25/2008	13:06:36	0.052
18781	09/25/2008	13:06:37	0.074
18782	09/25/2008	13:06:38	0.055
18783	09/25/2008	13:06:39	0.053
18784	09/25/2008	13:06:40	0.054
18785	09/25/2008	13:06:41	0.051
18786	09/25/2008	13:06:42	0.051
18787	09/25/2008	13:06:43	0.056
18788	09/25/2008	13:06:44	0.066
18789	09/25/2008	13:06:45	0.067
18790	09/25/2008	13:06:46	0.090
18791	09/25/2008	13:06:47	0.093
18792	09/25/2008	13:06:48	0.064
18793	09/25/2008	13:06:49	0.057
18794	09/25/2008	13:06:50	0.079
18795	09/25/2008	13:06:51	0.116
18796	09/25/2008	13:06:52	0.090
18797	09/25/2008	13:06:53	0.061
18798	09/25/2008	13:06:54	0.056



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
18799	09/25/2008	13:06:55	0.060
18800	09/25/2008	13:06:56	0.052
18801	09/25/2008	13:06:57	0.057
18802	09/25/2008	13:06:58	0.055
18803	09/25/2008	13:06:59	0.057
18804	09/25/2008	13:07:00	0.059
18805	09/25/2008	13:07:01	0.055
18806	09/25/2008	13:07:02	0.059
18807	09/25/2008	13:07:03	0.063
18808	09/25/2008	13:07:04	0.097
18809	09/25/2008	13:07:05	0.217
18810	09/25/2008	13:07:06	0.076
18811	09/25/2008	13:07:07	0.063
18812	09/25/2008	13:07:08	0.056
18813	09/25/2008	13:07:09	0.066
18814	09/25/2008	13:07:10	0.062
18815	09/25/2008	13:07:11	0.071
18816	09/25/2008	13:07:12	0.105
18817	09/25/2008	13:07:13	0.061
18818	09/25/2008	13:07:14	0.053
18819	09/25/2008	13:07:15	0.056
18820	09/25/2008	13:07:16	0.055
18821	09/25/2008	13:07:17	0.066
18822	09/25/2008	13:07:18	0.059
18823	09/25/2008	13:07:19	0.054
18824	09/25/2008	13:07:20	0.067
18825	09/25/2008	13:07:21	0.070
18826	09/25/2008	13:07:22	0.058
18827	09/25/2008	13:07:23	0.053
18828	09/25/2008	13:07:24	0.058
18829	09/25/2008	13:07:25	0.054
18830	09/25/2008	13:07:26	0.058
18831	09/25/2008	13:07:27	0.051
18832	09/25/2008	13:07:28	0.057
18833	09/25/2008	13:07:29	0.054
18834	09/25/2008	13:07:30	0.061
18835	09/25/2008	13:07:31	0.079
18836	09/25/2008	13:07:32	0.055
18837	09/25/2008	13:07:33	0.051
18838	09/25/2008	13:07:34	0.067
18839	09/25/2008	13:07:35	0.055
18840	09/25/2008	13:07:36	0.056
18841	09/25/2008	13:07:37	0.054
18842	09/25/2008	13:07:38	0.052
18843	09/25/2008	13:07:39	0.059
18844	09/25/2008	13:07:40	0.055
18845	09/25/2008	13:07:41	0.058
18846	09/25/2008	13:07:42	0.060
18847	09/25/2008	13:07:43	0.059
18848	09/25/2008	13:07:44	0.053
18849	09/25/2008	13:07:45	0.055
18850	09/25/2008	13:07:46	0.054
18851	09/25/2008	13:07:47	0.053
18852	09/25/2008	13:07:48	0.060
18853	09/25/2008	13:07:49	0.056

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
18854	09/25/2008	13:07:50	0.055
18855	09/25/2008	13:07:51	0.065
18856	09/25/2008	13:07:52	0.069
18857	09/25/2008	13:07:53	0.074
18858	09/25/2008	13:07:54	0.081
18859	09/25/2008	13:07:55	0.081
18860	09/25/2008	13:07:56	0.069
18861	09/25/2008	13:07:57	0.068
18862	09/25/2008	13:07:58	0.073
18863	09/25/2008	13:07:59	0.080
18864	09/25/2008	13:08:00	0.063
18865	09/25/2008	13:08:01	0.079
18866	09/25/2008	13:08:02	0.067
18867	09/25/2008	13:08:03	0.064
18868	09/25/2008	13:08:04	0.065
18869	09/25/2008	13:08:05	0.068
18870	09/25/2008	13:08:06	0.064
18871	09/25/2008	13:08:07	0.064
18872	09/25/2008	13:08:08	0.083
18873	09/25/2008	13:08:09	0.067
18874	09/25/2008	13:08:10	0.064
18875	09/25/2008	13:08:11	0.078
18876	09/25/2008	13:08:12	0.079
18877	09/25/2008	13:08:13	0.130
18878	09/25/2008	13:08:14	0.104
18879	09/25/2008	13:08:15	0.071
18880	09/25/2008	13:08:16	0.132
18881	09/25/2008	13:08:17	0.144
18882	09/25/2008	13:08:18	0.094
18883	09/25/2008	13:08:19	0.072
18884	09/25/2008	13:08:20	0.060
18885	09/25/2008	13:08:21	0.066
18886	09/25/2008	13:08:22	0.070
18887	09/25/2008	13:08:23	0.064
18888	09/25/2008	13:08:24	0.071
18889	09/25/2008	13:08:25	0.063
18890	09/25/2008	13:08:26	0.064
18891	09/25/2008	13:08:27	0.066
18892	09/25/2008	13:08:28	0.090
18893	09/25/2008	13:08:29	0.092
18894	09/25/2008	13:08:30	0.087
18895	09/25/2008	13:08:31	0.062
18896	09/25/2008	13:08:32	0.068
18897	09/25/2008	13:08:33	0.066
18898	09/25/2008	13:08:34	0.113
18899	09/25/2008	13:08:35	0.078
18900	09/25/2008	13:08:36	0.063
18901	09/25/2008	13:08:37	0.090
18902	09/25/2008	13:08:38	0.089
18903	09/25/2008	13:08:39	0.061
18904	09/25/2008	13:08:40	0.073
18905	09/25/2008	13:08:41	0.061
18906	09/25/2008	13:08:42	0.073
18907	09/25/2008	13:08:43	0.068
18908	09/25/2008	13:08:44	0.062

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
18909	09/25/2008	13:08:45	0.062
18910	09/25/2008	13:08:46	0.052
18911	09/25/2008	13:08:47	0.055
18912	09/25/2008	13:08:48	0.061
18913	09/25/2008	13:08:49	0.067
18914	09/25/2008	13:08:50	0.119
18915	09/25/2008	13:08:51	0.056
18916	09/25/2008	13:08:52	0.071
18917	09/25/2008	13:08:53	0.061
18918	09/25/2008	13:08:54	0.067
18919	09/25/2008	13:08:55	0.065
18920	09/25/2008	13:08:56	0.061
18921	09/25/2008	13:08:57	0.057
18922	09/25/2008	13:08:58	0.061
18923	09/25/2008	13:08:59	0.054
18924	09/25/2008	13:09:00	0.055
18925	09/25/2008	13:09:01	0.060
18926	09/25/2008	13:09:02	0.062
18927	09/25/2008	13:09:03	0.069
18928	09/25/2008	13:09:04	0.079
18929	09/25/2008	13:09:05	0.062
18930	09/25/2008	13:09:06	0.092
18931	09/25/2008	13:09:07	0.056
18932	09/25/2008	13:09:08	0.054
18933	09/25/2008	13:09:09	0.057
18934	09/25/2008	13:09:10	0.061
18935	09/25/2008	13:09:11	0.057
18936	09/25/2008	13:09:12	0.064
18937	09/25/2008	13:09:13	0.060
18938	09/25/2008	13:09:14	0.053
18939	09/25/2008	13:09:15	0.058
18940	09/25/2008	13:09:16	0.053
18941	09/25/2008	13:09:17	0.058
18942	09/25/2008	13:09:18	0.055
18943	09/25/2008	13:09:19	0.056
18944	09/25/2008	13:09:20	0.063
18945	09/25/2008	13:09:21	0.065
18946	09/25/2008	13:09:22	0.066
18947	09/25/2008	13:09:23	0.059
18948	09/25/2008	13:09:24	0.056
18949	09/25/2008	13:09:25	0.052
18950	09/25/2008	13:09:26	0.054
18951	09/25/2008	13:09:27	0.056
18952	09/25/2008	13:09:28	0.060
18953	09/25/2008	13:09:29	0.054
18954	09/25/2008	13:09:30	0.055
18955	09/25/2008	13:09:31	0.053
18956	09/25/2008	13:09:32	0.056
18957	09/25/2008	13:09:33	0.055
18958	09/25/2008	13:09:34	0.057
18959	09/25/2008	13:09:35	0.054
18960	09/25/2008	13:09:36	0.064
18961	09/25/2008	13:09:37	0.057
18962	09/25/2008	13:09:38	0.054
18963	09/25/2008	13:09:39	0.058

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
18964	09/25/2008	13:09:40	0.058
18965	09/25/2008	13:09:41	0.097
18966	09/25/2008	13:09:42	0.060
18967	09/25/2008	13:09:43	0.053
18968	09/25/2008	13:09:44	0.061
18969	09/25/2008	13:09:45	0.070
18970	09/25/2008	13:09:46	0.050
18971	09/25/2008	13:09:47	0.058
18972	09/25/2008	13:09:48	0.058
18973	09/25/2008	13:09:49	0.053
18974	09/25/2008	13:09:50	0.062
18975	09/25/2008	13:09:51	0.053
18976	09/25/2008	13:09:52	0.053
18977	09/25/2008	13:09:53	0.057
18978	09/25/2008	13:09:54	0.055
18979	09/25/2008	13:09:55	0.057
18980	09/25/2008	13:09:56	0.059
18981	09/25/2008	13:09:57	0.053
18982	09/25/2008	13:09:58	0.062
18983	09/25/2008	13:09:59	0.051
18984	09/25/2008	13:10:00	0.053
18985	09/25/2008	13:10:01	0.057
18986	09/25/2008	13:10:02	0.055
18987	09/25/2008	13:10:03	0.054
18988	09/25/2008	13:10:04	0.072
18989	09/25/2008	13:10:05	0.051
18990	09/25/2008	13:10:06	0.056
18991	09/25/2008	13:10:07	0.051
18992	09/25/2008	13:10:08	0.056
18993	09/25/2008	13:10:09	0.052
18994	09/25/2008	13:10:10	0.052
18995	09/25/2008	13:10:11	0.056
18996	09/25/2008	13:10:12	0.053
18997	09/25/2008	13:10:13	0.057
18998	09/25/2008	13:10:14	0.072
18999	09/25/2008	13:10:15	0.073
19000	09/25/2008	13:10:16	0.053
19001	09/25/2008	13:10:17	0.055
19002	09/25/2008	13:10:18	0.055
19003	09/25/2008	13:10:19	0.116
19004	09/25/2008	13:10:20	0.059
19005	09/25/2008	13:10:21	0.056
19006	09/25/2008	13:10:22	0.056
19007	09/25/2008	13:10:23	0.057
19008	09/25/2008	13:10:24	0.052
19009	09/25/2008	13:10:25	0.061
19010	09/25/2008	13:10:26	0.073
19011	09/25/2008	13:10:27	0.138
19012	09/25/2008	13:10:28	0.128
19013	09/25/2008	13:10:29	0.198
19014	09/25/2008	13:10:30	0.086
19015	09/25/2008	13:10:31	0.069
19016	09/25/2008	13:10:32	0.121
19017	09/25/2008	13:10:33	0.139
19018	09/25/2008	13:10:34	0.125

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
19019	09/25/2008	13:10:35	0.108
19020	09/25/2008	13:10:36	0.180
19021	09/25/2008	13:10:37	0.093
19022	09/25/2008	13:10:38	0.069
19023	09/25/2008	13:10:39	0.070
19024	09/25/2008	13:10:40	0.096
19025	09/25/2008	13:10:41	0.108
19026	09/25/2008	13:10:42	0.126
19027	09/25/2008	13:10:43	0.117
19028	09/25/2008	13:10:44	0.142
19029	09/25/2008	13:10:45	0.078
19030	09/25/2008	13:10:46	0.082
19031	09/25/2008	13:10:47	0.085
19032	09/25/2008	13:10:48	0.064
19033	09/25/2008	13:10:49	0.066
19034	09/25/2008	13:10:50	0.056
19035	09/25/2008	13:10:51	0.059
19036	09/25/2008	13:10:52	0.108
19037	09/25/2008	13:10:53	0.062
19038	09/25/2008	13:10:54	0.059
19039	09/25/2008	13:10:55	0.053
19040	09/25/2008	13:10:56	0.089
19041	09/25/2008	13:10:57	0.054
19042	09/25/2008	13:10:58	0.059
19043	09/25/2008	13:10:59	0.056
19044	09/25/2008	13:11:00	0.071
19045	09/25/2008	13:11:01	0.079
19046	09/25/2008	13:11:02	0.057
19047	09/25/2008	13:11:03	0.086
19048	09/25/2008	13:11:04	0.099
19049	09/25/2008	13:11:05	0.199
19050	09/25/2008	13:11:06	0.344
19051	09/25/2008	13:11:07	0.536
19052	09/25/2008	13:11:08	0.330
19053	09/25/2008	13:11:09	0.261
19054	09/25/2008	13:11:10	0.205
19055	09/25/2008	13:11:11	0.181
19056	09/25/2008	13:11:12	0.164
19057	09/25/2008	13:11:13	0.140
19058	09/25/2008	13:11:14	0.170
19059	09/25/2008	13:11:15	0.151
19060	09/25/2008	13:11:16	0.138
19061	09/25/2008	13:11:17	0.200
19062	09/25/2008	13:11:18	0.207
19063	09/25/2008	13:11:19	0.180
19064	09/25/2008	13:11:20	0.234
19065	09/25/2008	13:11:21	0.190
19066	09/25/2008	13:11:22	0.269
19067	09/25/2008	13:11:23	0.244
19068	09/25/2008	13:11:24	0.200
19069	09/25/2008	13:11:25	0.161
19070	09/25/2008	13:11:26	0.189
19071	09/25/2008	13:11:27	0.187
19072	09/25/2008	13:11:28	0.286
19073	09/25/2008	13:11:29	0.241

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
19074	09/25/2008	13:11:30	0.104
19075	09/25/2008	13:11:31	0.209
19076	09/25/2008	13:11:32	0.198
19077	09/25/2008	13:11:33	0.141
19078	09/25/2008	13:11:34	0.098
19079	09/25/2008	13:11:35	0.123
19080	09/25/2008	13:11:36	0.150
19081	09/25/2008	13:11:37	0.107
19082	09/25/2008	13:11:38	0.159
19083	09/25/2008	13:11:39	0.081
19084	09/25/2008	13:11:40	0.072
19085	09/25/2008	13:11:41	0.159
19086	09/25/2008	13:11:42	0.092
19087	09/25/2008	13:11:43	0.116
19088	09/25/2008	13:11:44	0.135
19089	09/25/2008	13:11:45	0.089
19090	09/25/2008	13:11:46	0.110
19091	09/25/2008	13:11:47	0.084
19092	09/25/2008	13:11:48	0.129
19093	09/25/2008	13:11:49	0.167
19094	09/25/2008	13:11:50	0.139
19095	09/25/2008	13:11:51	0.138
19096	09/25/2008	13:11:52	0.222
19097	09/25/2008	13:11:53	0.176
19098	09/25/2008	13:11:54	0.170
19099	09/25/2008	13:11:55	0.132
19100	09/25/2008	13:11:56	0.100
19101	09/25/2008	13:11:57	0.135
19102	09/25/2008	13:11:58	0.120
19103	09/25/2008	13:11:59	0.110
19104	09/25/2008	13:12:00	0.092
19105	09/25/2008	13:12:01	0.089
19106	09/25/2008	13:12:02	0.102
19107	09/25/2008	13:12:03	0.112
19108	09/25/2008	13:12:04	0.091
19109	09/25/2008	13:12:05	0.089
19110	09/25/2008	13:12:06	0.122
19111	09/25/2008	13:12:07	0.099
19112	09/25/2008	13:12:08	0.137
19113	09/25/2008	13:12:09	0.089
19114	09/25/2008	13:12:10	0.068
19115	09/25/2008	13:12:11	0.065
19116	09/25/2008	13:12:12	0.167
19117	09/25/2008	13:12:13	0.076
19118	09/25/2008	13:12:14	0.062
19119	09/25/2008	13:12:15	0.070
19120	09/25/2008	13:12:16	0.071
19121	09/25/2008	13:12:17	0.174
19122	09/25/2008	13:12:18	0.065
19123	09/25/2008	13:12:19	0.083
19124	09/25/2008	13:12:20	0.061
19125	09/25/2008	13:12:21	0.095
19126	09/25/2008	13:12:22	0.079
19127	09/25/2008	13:12:23	0.110
19128	09/25/2008	13:12:24	0.098

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
19129	09/25/2008	13:12:25	0.090
19130	09/25/2008	13:12:26	0.087
19131	09/25/2008	13:12:27	0.091
19132	09/25/2008	13:12:28	0.090
19133	09/25/2008	13:12:29	0.067
19134	09/25/2008	13:12:30	0.074
19135	09/25/2008	13:12:31	0.085
19136	09/25/2008	13:12:32	0.061
19137	09/25/2008	13:12:33	0.071
19138	09/25/2008	13:12:34	0.111
19139	09/25/2008	13:12:35	0.070
19140	09/25/2008	13:12:36	0.065
19141	09/25/2008	13:12:37	0.057
19142	09/25/2008	13:12:38	0.060
19143	09/25/2008	13:12:39	0.063
19144	09/25/2008	13:12:40	0.056
19145	09/25/2008	13:12:41	0.060
19146	09/25/2008	13:12:42	0.056
19147	09/25/2008	13:12:43	0.088
19148	09/25/2008	13:12:44	0.076
19149	09/25/2008	13:12:45	0.058
19150	09/25/2008	13:12:46	0.072
19151	09/25/2008	13:12:47	0.053
19152	09/25/2008	13:12:48	0.063
19153	09/25/2008	13:12:49	0.057
19154	09/25/2008	13:12:50	0.062
19155	09/25/2008	13:12:51	0.089
19156	09/25/2008	13:12:52	0.059
19157	09/25/2008	13:12:53	0.055
19158	09/25/2008	13:12:54	0.054
19159	09/25/2008	13:12:55	0.066
19160	09/25/2008	13:12:56	0.057
19161	09/25/2008	13:12:57	0.056
19162	09/25/2008	13:12:58	0.068
19163	09/25/2008	13:12:59	0.078
19164	09/25/2008	13:13:00	0.063
19165	09/25/2008	13:13:01	0.058
19166	09/25/2008	13:13:02	0.055
19167	09/25/2008	13:13:03	0.055
19168	09/25/2008	13:13:04	0.063
19169	09/25/2008	13:13:05	0.065
19170	09/25/2008	13:13:06	0.066
19171	09/25/2008	13:13:07	0.059
19172	09/25/2008	13:13:08	0.060
19173	09/25/2008	13:13:09	0.058
19174	09/25/2008	13:13:10	0.056
19175	09/25/2008	13:13:11	0.053
19176	09/25/2008	13:13:12	0.053
19177	09/25/2008	13:13:13	0.054
19178	09/25/2008	13:13:14	0.053
19179	09/25/2008	13:13:15	0.059
19180	09/25/2008	13:13:16	0.077
19181	09/25/2008	13:13:17	0.056
19182	09/25/2008	13:13:18	0.056
19183	09/25/2008	13:13:19	0.093

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
19184	09/25/2008	13:13:20	0.055
19185	09/25/2008	13:13:21	0.057
19186	09/25/2008	13:13:22	0.066
19187	09/25/2008	13:13:23	0.115
19188	09/25/2008	13:13:24	0.154
19189	09/25/2008	13:13:25	0.125
19190	09/25/2008	13:13:26	0.094
19191	09/25/2008	13:13:27	0.074
19192	09/25/2008	13:13:28	0.068
19193	09/25/2008	13:13:29	0.068
19194	09/25/2008	13:13:30	0.068
19195	09/25/2008	13:13:31	0.058
19196	09/25/2008	13:13:32	0.061
19197	09/25/2008	13:13:33	0.058
19198	09/25/2008	13:13:34	0.070
19199	09/25/2008	13:13:35	0.056
19200	09/25/2008	13:13:36	0.054
19201	09/25/2008	13:13:37	0.056
19202	09/25/2008	13:13:38	0.078
19203	09/25/2008	13:13:39	0.055
19204	09/25/2008	13:13:40	0.056
19205	09/25/2008	13:13:41	0.057
19206	09/25/2008	13:13:42	0.059
19207	09/25/2008	13:13:43	0.057
19208	09/25/2008	13:13:44	0.055
19209	09/25/2008	13:13:45	0.053
19210	09/25/2008	13:13:46	0.060
19211	09/25/2008	13:13:47	0.054
19212	09/25/2008	13:13:48	0.054
19213	09/25/2008	13:13:49	0.057
19214	09/25/2008	13:13:50	0.054
19215	09/25/2008	13:13:51	0.134
19216	09/25/2008	13:13:52	0.073
19217	09/25/2008	13:13:53	0.060
19218	09/25/2008	13:13:54	0.081
19219	09/25/2008	13:13:55	0.067
19220	09/25/2008	13:13:56	0.078
19221	09/25/2008	13:13:57	0.067
19222	09/25/2008	13:13:58	0.068
19223	09/25/2008	13:13:59	0.079
19224	09/25/2008	13:14:00	0.072
19225	09/25/2008	13:14:01	0.108
19226	09/25/2008	13:14:02	0.072
19227	09/25/2008	13:14:03	0.067
19228	09/25/2008	13:14:04	0.077
19229	09/25/2008	13:14:05	0.065
19230	09/25/2008	13:14:06	0.070
19231	09/25/2008	13:14:07	0.069
19232	09/25/2008	13:14:08	0.066
19233	09/25/2008	13:14:09	0.062
19234	09/25/2008	13:14:10	0.070
19235	09/25/2008	13:14:11	0.067
19236	09/25/2008	13:14:12	0.079
19237	09/25/2008	13:14:13	0.060
19238	09/25/2008	13:14:14	0.065



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
19239	09/25/2008	13:14:15	0.081
19240	09/25/2008	13:14:16	0.109
19241	09/25/2008	13:14:17	0.098
19242	09/25/2008	13:14:18	0.083
19243	09/25/2008	13:14:19	0.127
19244	09/25/2008	13:14:20	0.150
19245	09/25/2008	13:14:21	0.139
19246	09/25/2008	13:14:22	0.124
19247	09/25/2008	13:14:23	0.090
19248	09/25/2008	13:14:24	0.095
19249	09/25/2008	13:14:25	0.088
19250	09/25/2008	13:14:26	0.136
19251	09/25/2008	13:14:27	0.096
19252	09/25/2008	13:14:28	0.073
19253	09/25/2008	13:14:29	0.084
19254	09/25/2008	13:14:30	0.099
19255	09/25/2008	13:14:31	0.070
19256	09/25/2008	13:14:32	0.099
19257	09/25/2008	13:14:33	0.068
19258	09/25/2008	13:14:34	0.110
19259	09/25/2008	13:14:35	0.058
19260	09/25/2008	13:14:36	0.060
19261	09/25/2008	13:14:37	0.052
19262	09/25/2008	13:14:38	0.076
19263	09/25/2008	13:14:39	0.054
19264	09/25/2008	13:14:40	0.053
19265	09/25/2008	13:14:41	0.057
19266	09/25/2008	13:14:42	0.083
19267	09/25/2008	13:14:43	0.059
19268	09/25/2008	13:14:44	0.068
19269	09/25/2008	13:14:45	0.058
19270	09/25/2008	13:14:46	0.059
19271	09/25/2008	13:14:47	0.070
19272	09/25/2008	13:14:48	0.055
19273	09/25/2008	13:14:49	0.060
19274	09/25/2008	13:14:50	0.104
19275	09/25/2008	13:14:51	0.062
19276	09/25/2008	13:14:52	0.060
19277	09/25/2008	13:14:53	0.064
19278	09/25/2008	13:14:54	0.058
19279	09/25/2008	13:14:55	0.077
19280	09/25/2008	13:14:56	0.078
19281	09/25/2008	13:14:57	0.075
19282	09/25/2008	13:14:58	0.062
19283	09/25/2008	13:14:59	0.125
19284	09/25/2008	13:15:00	0.096
19285	09/25/2008	13:15:01	0.102
19286	09/25/2008	13:15:02	0.089
19287	09/25/2008	13:15:03	0.136
19288	09/25/2008	13:15:04	0.112
19289	09/25/2008	13:15:05	0.149
19290	09/25/2008	13:15:06	0.096
19291	09/25/2008	13:15:07	0.116
19292	09/25/2008	13:15:08	0.217
19293	09/25/2008	13:15:09	0.096

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
19294	09/25/2008	13:15:10	0.114
19295	09/25/2008	13:15:11	0.068
19296	09/25/2008	13:15:12	0.087
19297	09/25/2008	13:15:13	0.060
19298	09/25/2008	13:15:14	0.058
19299	09/25/2008	13:15:15	0.058
19300	09/25/2008	13:15:16	0.057
19301	09/25/2008	13:15:17	0.062
19302	09/25/2008	13:15:18	0.063
19303	09/25/2008	13:15:19	0.060
19304	09/25/2008	13:15:20	0.070
19305	09/25/2008	13:15:21	0.055
19306	09/25/2008	13:15:22	0.073
19307	09/25/2008	13:15:23	0.112
19308	09/25/2008	13:15:24	0.053
19309	09/25/2008	13:15:25	0.124
19310	09/25/2008	13:15:26	0.073
19311	09/25/2008	13:15:27	0.054
19312	09/25/2008	13:15:28	0.081
19313	09/25/2008	13:15:29	0.063
19314	09/25/2008	13:15:30	0.062
19315	09/25/2008	13:15:31	0.056
19316	09/25/2008	13:15:32	0.054
19317	09/25/2008	13:15:33	0.058
19318	09/25/2008	13:15:34	0.057
19319	09/25/2008	13:15:35	0.063
19320	09/25/2008	13:15:36	0.062
19321	09/25/2008	13:15:37	0.052
19322	09/25/2008	13:15:38	0.056
19323	09/25/2008	13:15:39	0.062
19324	09/25/2008	13:15:40	0.065
19325	09/25/2008	13:15:41	0.126
19326	09/25/2008	13:15:42	0.186
19327	09/25/2008	13:15:43	0.084
19328	09/25/2008	13:15:44	0.067
19329	09/25/2008	13:15:45	0.066
19330	09/25/2008	13:15:46	0.059
19331	09/25/2008	13:15:47	0.061
19332	09/25/2008	13:15:48	0.057
19333	09/25/2008	13:15:49	0.060
19334	09/25/2008	13:15:50	0.063
19335	09/25/2008	13:15:51	0.110
19336	09/25/2008	13:15:52	0.069
19337	09/25/2008	13:15:53	0.070
19338	09/25/2008	13:15:54	0.061
19339	09/25/2008	13:15:55	0.056
19340	09/25/2008	13:15:56	0.054
19341	09/25/2008	13:15:57	0.054
19342	09/25/2008	13:15:58	0.053
19343	09/25/2008	13:15:59	0.065
19344	09/25/2008	13:16:00	0.073
19345	09/25/2008	13:16:01	0.057
19346	09/25/2008	13:16:02	0.056
19347	09/25/2008	13:16:03	0.051
19348	09/25/2008	13:16:04	0.055

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
19349	09/25/2008	13:16:05	0.058
19350	09/25/2008	13:16:06	0.062
19351	09/25/2008	13:16:07	0.069
19352	09/25/2008	13:16:08	0.053
19353	09/25/2008	13:16:09	0.056
19354	09/25/2008	13:16:10	0.056
19355	09/25/2008	13:16:11	0.060
19356	09/25/2008	13:16:12	0.058
19357	09/25/2008	13:16:13	0.054
19358	09/25/2008	13:16:14	0.054
19359	09/25/2008	13:16:15	0.065
19360	09/25/2008	13:16:16	0.063
19361	09/25/2008	13:16:17	0.058
19362	09/25/2008	13:16:18	0.068
19363	09/25/2008	13:16:19	0.086
19364	09/25/2008	13:16:20	0.148
19365	09/25/2008	13:16:21	0.143
19366	09/25/2008	13:16:22	0.144
19367	09/25/2008	13:16:23	0.103
19368	09/25/2008	13:16:24	0.185
19369	09/25/2008	13:16:25	0.084
19370	09/25/2008	13:16:26	0.061
19371	09/25/2008	13:16:27	0.065
19372	09/25/2008	13:16:28	0.064
19373	09/25/2008	13:16:29	0.059
19374	09/25/2008	13:16:30	0.060
19375	09/25/2008	13:16:31	0.057
19376	09/25/2008	13:16:32	0.112
19377	09/25/2008	13:16:33	0.196
19378	09/25/2008	13:16:34	0.098
19379	09/25/2008	13:16:35	0.085
19380	09/25/2008	13:16:36	0.087
19381	09/25/2008	13:16:37	0.090
19382	09/25/2008	13:16:38	0.085
19383	09/25/2008	13:16:39	0.067
19384	09/25/2008	13:16:40	0.069
19385	09/25/2008	13:16:41	0.063
19386	09/25/2008	13:16:42	0.063
19387	09/25/2008	13:16:43	0.059
19388	09/25/2008	13:16:44	0.072
19389	09/25/2008	13:16:45	0.076
19390	09/25/2008	13:16:46	0.060
19391	09/25/2008	13:16:47	0.067
19392	09/25/2008	13:16:48	0.084
19393	09/25/2008	13:16:49	0.067
19394	09/25/2008	13:16:50	0.061
19395	09/25/2008	13:16:51	0.056
19396	09/25/2008	13:16:52	0.061
19397	09/25/2008	13:16:53	0.059
19398	09/25/2008	13:16:54	0.055
19399	09/25/2008	13:16:55	0.082
19400	09/25/2008	13:16:56	0.054
19401	09/25/2008	13:16:57	0.056
19402	09/25/2008	13:16:58	0.065
19403	09/25/2008	13:16:59	0.062

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
19404	09/25/2008	13:17:00	0.058
19405	09/25/2008	13:17:01	0.072
19406	09/25/2008	13:17:02	0.056
19407	09/25/2008	13:17:03	0.081
19408	09/25/2008	13:17:04	0.055
19409	09/25/2008	13:17:05	0.055
19410	09/25/2008	13:17:06	0.060
19411	09/25/2008	13:17:07	0.104
19412	09/25/2008	13:17:08	0.052
19413	09/25/2008	13:17:09	0.057
19414	09/25/2008	13:17:10	0.055
19415	09/25/2008	13:17:11	0.055
19416	09/25/2008	13:17:12	0.055
19417	09/25/2008	13:17:13	0.054
19418	09/25/2008	13:17:14	0.057
19419	09/25/2008	13:17:15	0.060
19420	09/25/2008	13:17:16	0.056
19421	09/25/2008	13:17:17	0.055
19422	09/25/2008	13:17:18	0.059
19423	09/25/2008	13:17:19	0.061
19424	09/25/2008	13:17:20	0.054
19425	09/25/2008	13:17:21	0.060
19426	09/25/2008	13:17:22	0.074
19427	09/25/2008	13:17:23	0.060
19428	09/25/2008	13:17:24	0.054
19429	09/25/2008	13:17:25	0.059
19430	09/25/2008	13:17:26	0.056
19431	09/25/2008	13:17:27	0.054
19432	09/25/2008	13:17:28	0.055
19433	09/25/2008	13:17:29	0.053
19434	09/25/2008	13:17:30	0.056
19435	09/25/2008	13:17:31	0.053
19436	09/25/2008	13:17:32	0.054
19437	09/25/2008	13:17:33	0.054
19438	09/25/2008	13:17:34	0.055
19439	09/25/2008	13:17:35	0.053
19440	09/25/2008	13:17:36	0.055
19441	09/25/2008	13:17:37	0.063
19442	09/25/2008	13:17:38	0.072
19443	09/25/2008	13:17:39	0.055
19444	09/25/2008	13:17:40	0.062
19445	09/25/2008	13:17:41	0.051
19446	09/25/2008	13:17:42	0.054
19447	09/25/2008	13:17:43	0.055
19448	09/25/2008	13:17:44	0.055
19449	09/25/2008	13:17:45	0.058
19450	09/25/2008	13:17:46	0.053
19451	09/25/2008	13:17:47	0.054
19452	09/25/2008	13:17:48	0.057
19453	09/25/2008	13:17:49	0.050
19454	09/25/2008	13:17:50	0.056
19455	09/25/2008	13:17:51	0.054
19456	09/25/2008	13:17:52	0.054
19457	09/25/2008	13:17:53	0.056
19458	09/25/2008	13:17:54	0.056

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
19459	09/25/2008	13:17:55	0.055
19460	09/25/2008	13:17:56	0.056
19461	09/25/2008	13:17:57	0.053
19462	09/25/2008	13:17:58	0.054
19463	09/25/2008	13:17:59	0.052
19464	09/25/2008	13:18:00	0.106
19465	09/25/2008	13:18:01	0.102
19466	09/25/2008	13:18:02	0.064
19467	09/25/2008	13:18:03	0.098
19468	09/25/2008	13:18:04	0.071
19469	09/25/2008	13:18:05	0.058
19470	09/25/2008	13:18:06	0.060
19471	09/25/2008	13:18:07	0.057
19472	09/25/2008	13:18:08	0.055
19473	09/25/2008	13:18:09	0.053
19474	09/25/2008	13:18:10	0.069
19475	09/25/2008	13:18:11	0.059
19476	09/25/2008	13:18:12	0.057
19477	09/25/2008	13:18:13	0.055
19478	09/25/2008	13:18:14	0.055
19479	09/25/2008	13:18:15	0.064
19480	09/25/2008	13:18:16	0.058
19481	09/25/2008	13:18:17	0.054
19482	09/25/2008	13:18:18	0.056
19483	09/25/2008	13:18:19	0.052
19484	09/25/2008	13:18:20	0.058
19485	09/25/2008	13:18:21	0.058
19486	09/25/2008	13:18:22	0.060
19487	09/25/2008	13:18:23	0.057
19488	09/25/2008	13:18:24	0.056
19489	09/25/2008	13:18:25	0.055
19490	09/25/2008	13:18:26	0.063
19491	09/25/2008	13:18:27	0.055
19492	09/25/2008	13:18:28	0.058
19493	09/25/2008	13:18:29	0.074
19494	09/25/2008	13:18:30	0.054
19495	09/25/2008	13:18:31	0.051
19496	09/25/2008	13:18:32	0.056
19497	09/25/2008	13:18:33	0.059
19498	09/25/2008	13:18:34	0.059
19499	09/25/2008	13:18:35	0.054
19500	09/25/2008	13:18:36	0.056
19501	09/25/2008	13:18:37	0.056
19502	09/25/2008	13:18:38	0.069
19503	09/25/2008	13:18:39	0.057
19504	09/25/2008	13:18:40	0.058
19505	09/25/2008	13:18:41	0.061
19506	09/25/2008	13:18:42	0.101
19507	09/25/2008	13:18:43	0.058
19508	09/25/2008	13:18:44	0.072
19509	09/25/2008	13:18:45	0.060
19510	09/25/2008	13:18:46	0.060
19511	09/25/2008	13:18:47	0.058
19512	09/25/2008	13:18:48	0.068
19513	09/25/2008	13:18:49	0.066

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
19514	09/25/2008	13:18:50	0.062
19515	09/25/2008	13:18:51	0.069
19516	09/25/2008	13:18:52	0.071
19517	09/25/2008	13:18:53	0.112
19518	09/25/2008	13:18:54	0.073
19519	09/25/2008	13:18:55	0.059
19520	09/25/2008	13:18:56	0.062
19521	09/25/2008	13:18:57	0.070
19522	09/25/2008	13:18:58	0.068
19523	09/25/2008	13:18:59	0.063
19524	09/25/2008	13:19:00	0.067
19525	09/25/2008	13:19:01	0.094
19526	09/25/2008	13:19:02	0.080
19527	09/25/2008	13:19:03	0.072
19528	09/25/2008	13:19:04	0.067
19529	09/25/2008	13:19:05	0.070
19530	09/25/2008	13:19:06	0.078
19531	09/25/2008	13:19:07	0.085
19532	09/25/2008	13:19:08	0.089
19533	09/25/2008	13:19:09	0.085
19534	09/25/2008	13:19:10	0.067
19535	09/25/2008	13:19:11	0.060
19536	09/25/2008	13:19:12	0.065
19537	09/25/2008	13:19:13	0.061
19538	09/25/2008	13:19:14	0.062
19539	09/25/2008	13:19:15	0.086
19540	09/25/2008	13:19:16	0.095
19541	09/25/2008	13:19:17	0.073
19542	09/25/2008	13:19:18	0.070
19543	09/25/2008	13:19:19	0.064
19544	09/25/2008	13:19:20	0.061
19545	09/25/2008	13:19:21	0.060
19546	09/25/2008	13:19:22	0.060
19547	09/25/2008	13:19:23	0.053
19548	09/25/2008	13:19:24	0.060
19549	09/25/2008	13:19:25	0.055
19550	09/25/2008	13:19:26	0.062
19551	09/25/2008	13:19:27	0.058
19552	09/25/2008	13:19:28	0.054
19553	09/25/2008	13:19:29	0.056
19554	09/25/2008	13:19:30	0.057
19555	09/25/2008	13:19:31	0.063
19556	09/25/2008	13:19:32	0.058
19557	09/25/2008	13:19:33	0.056
19558	09/25/2008	13:19:34	0.072
19559	09/25/2008	13:19:35	0.057
19560	09/25/2008	13:19:36	0.057
19561	09/25/2008	13:19:37	0.055
19562	09/25/2008	13:19:38	0.073
19563	09/25/2008	13:19:39	0.067
19564	09/25/2008	13:19:40	0.065
19565	09/25/2008	13:19:41	0.059
19566	09/25/2008	13:19:42	0.054
19567	09/25/2008	13:19:43	0.057
19568	09/25/2008	13:19:44	0.063

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
19569	09/25/2008	13:19:45	0.059
19570	09/25/2008	13:19:46	0.069
19571	09/25/2008	13:19:47	0.124
19572	09/25/2008	13:19:48	0.143
19573	09/25/2008	13:19:49	0.117
19574	09/25/2008	13:19:50	0.111
19575	09/25/2008	13:19:51	0.084
19576	09/25/2008	13:19:52	0.066
19577	09/25/2008	13:19:53	0.061
19578	09/25/2008	13:19:54	0.064
19579	09/25/2008	13:19:55	0.068
19580	09/25/2008	13:19:56	0.060
19581	09/25/2008	13:19:57	0.057
19582	09/25/2008	13:19:58	0.074
19583	09/25/2008	13:19:59	0.079
19584	09/25/2008	13:20:00	0.065
19585	09/25/2008	13:20:01	0.074
19586	09/25/2008	13:20:02	0.078
19587	09/25/2008	13:20:03	0.071
19588	09/25/2008	13:20:04	0.075
19589	09/25/2008	13:20:05	0.071
19590	09/25/2008	13:20:06	0.079
19591	09/25/2008	13:20:07	0.078
19592	09/25/2008	13:20:08	0.081
19593	09/25/2008	13:20:09	0.096
19594	09/25/2008	13:20:10	0.099
19595	09/25/2008	13:20:11	0.076
19596	09/25/2008	13:20:12	0.095
19597	09/25/2008	13:20:13	0.103
19598	09/25/2008	13:20:14	0.108
19599	09/25/2008	13:20:15	0.116
19600	09/25/2008	13:20:16	0.198
19601	09/25/2008	13:20:17	0.101
19602	09/25/2008	13:20:18	0.075
19603	09/25/2008	13:20:19	0.074
19604	09/25/2008	13:20:20	0.063
19605	09/25/2008	13:20:21	0.070
19606	09/25/2008	13:20:22	0.063
19607	09/25/2008	13:20:23	0.142
19608	09/25/2008	13:20:24	0.065
19609	09/25/2008	13:20:25	0.062
19610	09/25/2008	13:20:26	0.056
19611	09/25/2008	13:20:27	0.057
19612	09/25/2008	13:20:28	0.059
19613	09/25/2008	13:20:29	0.057
19614	09/25/2008	13:20:30	0.071
19615	09/25/2008	13:20:31	0.062
19616	09/25/2008	13:20:32	0.064
19617	09/25/2008	13:20:33	0.057
19618	09/25/2008	13:20:34	0.063
19619	09/25/2008	13:20:35	0.086
19620	09/25/2008	13:20:36	0.076
19621	09/25/2008	13:20:37	0.073
19622	09/25/2008	13:20:38	0.068
19623	09/25/2008	13:20:39	0.074

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
19624	09/25/2008	13:20:40	0.110
19625	09/25/2008	13:20:41	0.156
19626	09/25/2008	13:20:42	0.122
19627	09/25/2008	13:20:43	0.121
19628	09/25/2008	13:20:44	0.122
19629	09/25/2008	13:20:45	0.103
19630	09/25/2008	13:20:46	0.089
19631	09/25/2008	13:20:47	0.099
19632	09/25/2008	13:20:48	0.080
19633	09/25/2008	13:20:49	0.070
19634	09/25/2008	13:20:50	0.074
19635	09/25/2008	13:20:51	0.085
19636	09/25/2008	13:20:52	0.065
19637	09/25/2008	13:20:53	0.151
19638	09/25/2008	13:20:54	0.180
19639	09/25/2008	13:20:55	0.124
19640	09/25/2008	13:20:56	0.076
19641	09/25/2008	13:20:57	0.112
19642	09/25/2008	13:20:58	0.106
19643	09/25/2008	13:20:59	0.133
19644	09/25/2008	13:21:00	0.079
19645	09/25/2008	13:21:01	0.107
19646	09/25/2008	13:21:02	0.083
19647	09/25/2008	13:21:03	0.079
19648	09/25/2008	13:21:04	0.068
19649	09/25/2008	13:21:05	0.062
19650	09/25/2008	13:21:06	0.081
19651	09/25/2008	13:21:07	0.085
19652	09/25/2008	13:21:08	0.088
19653	09/25/2008	13:21:09	0.087
19654	09/25/2008	13:21:10	0.092
19655	09/25/2008	13:21:11	0.068
19656	09/25/2008	13:21:12	0.069
19657	09/25/2008	13:21:13	0.065
19658	09/25/2008	13:21:14	0.065
19659	09/25/2008	13:21:15	0.060
19660	09/25/2008	13:21:16	0.061
19661	09/25/2008	13:21:17	0.079
19662	09/25/2008	13:21:18	0.167
19663	09/25/2008	13:21:19	0.088
19664	09/25/2008	13:21:20	0.068
19665	09/25/2008	13:21:21	0.063
19666	09/25/2008	13:21:22	0.059
19667	09/25/2008	13:21:23	0.054
19668	09/25/2008	13:21:24	0.070
19669	09/25/2008	13:21:25	0.097
19670	09/25/2008	13:21:26	0.064
19671	09/25/2008	13:21:27	0.061
19672	09/25/2008	13:21:28	0.059
19673	09/25/2008	13:21:29	0.057
19674	09/25/2008	13:21:30	0.062
19675	09/25/2008	13:21:31	0.056
19676	09/25/2008	13:21:32	0.056
19677	09/25/2008	13:21:33	0.089
19678	09/25/2008	13:21:34	0.059



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
19679	09/25/2008	13:21:35	0.054
19680	09/25/2008	13:21:36	0.064
19681	09/25/2008	13:21:37	0.076
19682	09/25/2008	13:21:38	0.055
19683	09/25/2008	13:21:39	0.062
19684	09/25/2008	13:21:40	0.060
19685	09/25/2008	13:21:41	0.055
19686	09/25/2008	13:21:42	0.058
19687	09/25/2008	13:21:43	0.071
19688	09/25/2008	13:21:44	0.062
19689	09/25/2008	13:21:45	0.068
19690	09/25/2008	13:21:46	0.055
19691	09/25/2008	13:21:47	0.055
19692	09/25/2008	13:21:48	0.052
19693	09/25/2008	13:21:49	0.053
19694	09/25/2008	13:21:50	0.053
19695	09/25/2008	13:21:51	0.056
19696	09/25/2008	13:21:52	0.064
19697	09/25/2008	13:21:53	0.055
19698	09/25/2008	13:21:54	0.055
19699	09/25/2008	13:21:55	0.054
19700	09/25/2008	13:21:56	0.057
19701	09/25/2008	13:21:57	0.061
19702	09/25/2008	13:21:58	0.055
19703	09/25/2008	13:21:59	0.054
19704	09/25/2008	13:22:00	0.054
19705	09/25/2008	13:22:01	0.055
19706	09/25/2008	13:22:02	0.053
19707	09/25/2008	13:22:03	0.053
19708	09/25/2008	13:22:04	0.067
19709	09/25/2008	13:22:05	0.058
19710	09/25/2008	13:22:06	0.055
19711	09/25/2008	13:22:07	0.071
19712	09/25/2008	13:22:08	0.054
19713	09/25/2008	13:22:09	0.064
19714	09/25/2008	13:22:10	0.057
19715	09/25/2008	13:22:11	0.069
19716	09/25/2008	13:22:12	0.055
19717	09/25/2008	13:22:13	0.052
19718	09/25/2008	13:22:14	0.054
19719	09/25/2008	13:22:15	0.061
19720	09/25/2008	13:22:16	0.054
19721	09/25/2008	13:22:17	0.055
19722	09/25/2008	13:22:18	0.060
19723	09/25/2008	13:22:19	0.051
19724	09/25/2008	13:22:20	0.055
19725	09/25/2008	13:22:21	0.061
19726	09/25/2008	13:22:22	0.054
19727	09/25/2008	13:22:23	0.056
19728	09/25/2008	13:22:24	0.055
19729	09/25/2008	13:22:25	0.052
19730	09/25/2008	13:22:26	0.058
19731	09/25/2008	13:22:27	0.054
19732	09/25/2008	13:22:28	0.059
19733	09/25/2008	13:22:29	0.068

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
19734	09/25/2008	13:22:30	0.062
19735	09/25/2008	13:22:31	0.063
19736	09/25/2008	13:22:32	0.057
19737	09/25/2008	13:22:33	0.060
19738	09/25/2008	13:22:34	0.055
19739	09/25/2008	13:22:35	0.055
19740	09/25/2008	13:22:36	0.053
19741	09/25/2008	13:22:37	0.056
19742	09/25/2008	13:22:38	0.057
19743	09/25/2008	13:22:39	0.061
19744	09/25/2008	13:22:40	0.062
19745	09/25/2008	13:22:41	0.066
19746	09/25/2008	13:22:42	0.071
19747	09/25/2008	13:22:43	0.060
19748	09/25/2008	13:22:44	0.072
19749	09/25/2008	13:22:45	0.060
19750	09/25/2008	13:22:46	0.060
19751	09/25/2008	13:22:47	0.059
19752	09/25/2008	13:22:48	0.069
19753	09/25/2008	13:22:49	0.056
19754	09/25/2008	13:22:50	0.080
19755	09/25/2008	13:22:51	0.075
19756	09/25/2008	13:22:52	0.077
19757	09/25/2008	13:22:53	0.062
19758	09/25/2008	13:22:54	0.059
19759	09/25/2008	13:22:55	0.053
19760	09/25/2008	13:22:56	0.058
19761	09/25/2008	13:22:57	0.069
19762	09/25/2008	13:22:58	0.105
19763	09/25/2008	13:22:59	0.102
19764	09/25/2008	13:23:00	0.058
19765	09/25/2008	13:23:01	0.055
19766	09/25/2008	13:23:02	0.060
19767	09/25/2008	13:23:03	0.059
19768	09/25/2008	13:23:04	0.063
19769	09/25/2008	13:23:05	0.060
19770	09/25/2008	13:23:06	0.058
19771	09/25/2008	13:23:07	0.062
19772	09/25/2008	13:23:08	0.064
19773	09/25/2008	13:23:09	0.073
19774	09/25/2008	13:23:10	0.055
19775	09/25/2008	13:23:11	0.063
19776	09/25/2008	13:23:12	0.058
19777	09/25/2008	13:23:13	0.099
19778	09/25/2008	13:23:14	0.067
19779	09/25/2008	13:23:15	0.113
19780	09/25/2008	13:23:16	0.298
19781	09/25/2008	13:23:17	0.128
19782	09/25/2008	13:23:18	0.096
19783	09/25/2008	13:23:19	0.082
19784	09/25/2008	13:23:20	0.111
19785	09/25/2008	13:23:21	0.137
19786	09/25/2008	13:23:22	0.081
19787	09/25/2008	13:23:23	0.086
19788	09/25/2008	13:23:24	0.134

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
19789	09/25/2008	13:23:25	0.065
19790	09/25/2008	13:23:26	0.067
19791	09/25/2008	13:23:27	0.162
19792	09/25/2008	13:23:28	0.061
19793	09/25/2008	13:23:29	0.070
19794	09/25/2008	13:23:30	0.059
19795	09/25/2008	13:23:31	0.065
19796	09/25/2008	13:23:32	0.060
19797	09/25/2008	13:23:33	0.078
19798	09/25/2008	13:23:34	0.069
19799	09/25/2008	13:23:35	0.063
19800	09/25/2008	13:23:36	0.066
19801	09/25/2008	13:23:37	0.063
19802	09/25/2008	13:23:38	0.058
19803	09/25/2008	13:23:39	0.061
19804	09/25/2008	13:23:40	0.064
19805	09/25/2008	13:23:41	0.062
19806	09/25/2008	13:23:42	0.063
19807	09/25/2008	13:23:43	0.082
19808	09/25/2008	13:23:44	0.069
19809	09/25/2008	13:23:45	0.093
19810	09/25/2008	13:23:46	0.056
19811	09/25/2008	13:23:47	0.058
19812	09/25/2008	13:23:48	0.064
19813	09/25/2008	13:23:49	0.061
19814	09/25/2008	13:23:50	0.061
19815	09/25/2008	13:23:51	0.056
19816	09/25/2008	13:23:52	0.055
19817	09/25/2008	13:23:53	0.059
19818	09/25/2008	13:23:54	0.055
19819	09/25/2008	13:23:55	0.067
19820	09/25/2008	13:23:56	0.051
19821	09/25/2008	13:23:57	0.065
19822	09/25/2008	13:23:58	0.053
19823	09/25/2008	13:23:59	0.058
19824	09/25/2008	13:24:00	0.061
19825	09/25/2008	13:24:01	0.071
19826	09/25/2008	13:24:02	0.074
19827	09/25/2008	13:24:03	0.062
19828	09/25/2008	13:24:04	0.058
19829	09/25/2008	13:24:05	0.056
19830	09/25/2008	13:24:06	0.057
19831	09/25/2008	13:24:07	0.067
19832	09/25/2008	13:24:08	0.060
19833	09/25/2008	13:24:09	0.062
19834	09/25/2008	13:24:10	0.074
19835	09/25/2008	13:24:11	0.061
19836	09/25/2008	13:24:12	0.055
19837	09/25/2008	13:24:13	0.060
19838	09/25/2008	13:24:14	0.069
19839	09/25/2008	13:24:15	0.053
19840	09/25/2008	13:24:16	0.055
19841	09/25/2008	13:24:17	0.059
19842	09/25/2008	13:24:18	0.054
19843	09/25/2008	13:24:19	0.058

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
19844	09/25/2008	13:24:20	0.052
19845	09/25/2008	13:24:21	0.055
19846	09/25/2008	13:24:22	0.054
19847	09/25/2008	13:24:23	0.056
19848	09/25/2008	13:24:24	0.056
19849	09/25/2008	13:24:25	0.056
19850	09/25/2008	13:24:26	0.074
19851	09/25/2008	13:24:27	0.063
19852	09/25/2008	13:24:28	0.062
19853	09/25/2008	13:24:29	0.060
19854	09/25/2008	13:24:30	0.057
19855	09/25/2008	13:24:31	0.057
19856	09/25/2008	13:24:32	0.067
19857	09/25/2008	13:24:33	0.069
19858	09/25/2008	13:24:34	0.060
19859	09/25/2008	13:24:35	0.061
19860	09/25/2008	13:24:36	0.071
19861	09/25/2008	13:24:37	0.061
19862	09/25/2008	13:24:38	0.061
19863	09/25/2008	13:24:39	0.064
19864	09/25/2008	13:24:40	0.071
19865	09/25/2008	13:24:41	0.061
19866	09/25/2008	13:24:42	0.069
19867	09/25/2008	13:24:43	0.096
19868	09/25/2008	13:24:44	0.056
19869	09/25/2008	13:24:45	0.093
19870	09/25/2008	13:24:46	0.057
19871	09/25/2008	13:24:47	0.054
19872	09/25/2008	13:24:48	0.069
19873	09/25/2008	13:24:49	0.060
19874	09/25/2008	13:24:50	0.065
19875	09/25/2008	13:24:51	0.056
19876	09/25/2008	13:24:52	0.057
19877	09/25/2008	13:24:53	0.061
19878	09/25/2008	13:24:54	0.059
19879	09/25/2008	13:24:55	0.068
19880	09/25/2008	13:24:56	0.074
19881	09/25/2008	13:24:57	0.058
19882	09/25/2008	13:24:58	0.059
19883	09/25/2008	13:24:59	0.060
19884	09/25/2008	13:25:00	0.060
19885	09/25/2008	13:25:01	0.060
19886	09/25/2008	13:25:02	0.071
19887	09/25/2008	13:25:03	0.067
19888	09/25/2008	13:25:04	0.076
19889	09/25/2008	13:25:05	0.092
19890	09/25/2008	13:25:06	0.062
19891	09/25/2008	13:25:07	0.079
19892	09/25/2008	13:25:08	0.079
19893	09/25/2008	13:25:09	0.072
19894	09/25/2008	13:25:10	0.059
19895	09/25/2008	13:25:11	0.064
19896	09/25/2008	13:25:12	0.062
19897	09/25/2008	13:25:13	0.060
19898	09/25/2008	13:25:14	0.056

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
19899	09/25/2008	13:25:15	0.060
19900	09/25/2008	13:25:16	0.056
19901	09/25/2008	13:25:17	0.062
19902	09/25/2008	13:25:18	0.062
19903	09/25/2008	13:25:19	0.106
19904	09/25/2008	13:25:20	0.061
19905	09/25/2008	13:25:21	0.068
19906	09/25/2008	13:25:22	0.062
19907	09/25/2008	13:25:23	0.058
19908	09/25/2008	13:25:24	0.061
19909	09/25/2008	13:25:25	0.057
19910	09/25/2008	13:25:26	0.055
19911	09/25/2008	13:25:27	0.063
19912	09/25/2008	13:25:28	0.056
19913	09/25/2008	13:25:29	0.056
19914	09/25/2008	13:25:30	0.061
19915	09/25/2008	13:25:31	0.066
19916	09/25/2008	13:25:32	0.067
19917	09/25/2008	13:25:33	0.057
19918	09/25/2008	13:25:34	0.071
19919	09/25/2008	13:25:35	0.061
19920	09/25/2008	13:25:36	0.067
19921	09/25/2008	13:25:37	0.062
19922	09/25/2008	13:25:38	0.069
19923	09/25/2008	13:25:39	0.070
19924	09/25/2008	13:25:40	0.056
19925	09/25/2008	13:25:41	0.054
19926	09/25/2008	13:25:42	0.054
19927	09/25/2008	13:25:43	0.052
19928	09/25/2008	13:25:44	0.057
19929	09/25/2008	13:25:45	0.057
19930	09/25/2008	13:25:46	0.063
19931	09/25/2008	13:25:47	0.054
19932	09/25/2008	13:25:48	0.066
19933	09/25/2008	13:25:49	0.718
19934	09/25/2008	13:25:50	0.067
19935	09/25/2008	13:25:51	0.059
19936	09/25/2008	13:25:52	0.054
19937	09/25/2008	13:25:53	0.065
19938	09/25/2008	13:25:54	0.064
19939	09/25/2008	13:25:55	0.061
19940	09/25/2008	13:25:56	0.078
19941	09/25/2008	13:25:57	0.061
19942	09/25/2008	13:25:58	0.075
19943	09/25/2008	13:25:59	0.070
19944	09/25/2008	13:26:00	0.079
19945	09/25/2008	13:26:01	0.058
19946	09/25/2008	13:26:02	0.080
19947	09/25/2008	13:26:03	0.092
19948	09/25/2008	13:26:04	0.092
19949	09/25/2008	13:26:05	0.076
19950	09/25/2008	13:26:06	0.098
19951	09/25/2008	13:26:07	0.083
19952	09/25/2008	13:26:08	0.076
19953	09/25/2008	13:26:09	0.062

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
19954	09/25/2008	13:26:10	0.056
19955	09/25/2008	13:26:11	0.053
19956	09/25/2008	13:26:12	0.067
19957	09/25/2008	13:26:13	0.061
19958	09/25/2008	13:26:14	0.060
19959	09/25/2008	13:26:15	0.058
19960	09/25/2008	13:26:16	0.064
19961	09/25/2008	13:26:17	0.066
19962	09/25/2008	13:26:18	0.059
19963	09/25/2008	13:26:19	0.058
19964	09/25/2008	13:26:20	0.056
19965	09/25/2008	13:26:21	0.058
19966	09/25/2008	13:26:22	0.059
19967	09/25/2008	13:26:23	0.055
19968	09/25/2008	13:26:24	0.059
19969	09/25/2008	13:26:25	0.056
19970	09/25/2008	13:26:26	0.054
19971	09/25/2008	13:26:27	0.055
19972	09/25/2008	13:26:28	0.049
19973	09/25/2008	13:26:29	0.056
19974	09/25/2008	13:26:30	0.056
19975	09/25/2008	13:26:31	0.057
19976	09/25/2008	13:26:32	0.057
19977	09/25/2008	13:26:33	0.061
19978	09/25/2008	13:26:34	0.105
19979	09/25/2008	13:26:35	0.059
19980	09/25/2008	13:26:36	0.057
19981	09/25/2008	13:26:37	0.059
19982	09/25/2008	13:26:38	0.058
19983	09/25/2008	13:26:39	0.062
19984	09/25/2008	13:26:40	0.065
19985	09/25/2008	13:26:41	0.064
19986	09/25/2008	13:26:42	0.070
19987	09/25/2008	13:26:43	0.057
19988	09/25/2008	13:26:44	0.066
19989	09/25/2008	13:26:45	0.054
19990	09/25/2008	13:26:46	0.061
19991	09/25/2008	13:26:47	0.051
19992	09/25/2008	13:26:48	0.056
19993	09/25/2008	13:26:49	0.062
19994	09/25/2008	13:26:50	0.056
19995	09/25/2008	13:26:51	0.063
19996	09/25/2008	13:26:52	0.065
19997	09/25/2008	13:26:53	0.061
19998	09/25/2008	13:26:54	0.058
19999	09/25/2008	13:26:55	0.060
20000	09/25/2008	13:26:56	0.059
20001	09/25/2008	13:26:57	0.056
20002	09/25/2008	13:26:58	0.053
20003	09/25/2008	13:26:59	0.054
20004	09/25/2008	13:27:00	0.066
20005	09/25/2008	13:27:01	0.053
20006	09/25/2008	13:27:02	0.054
20007	09/25/2008	13:27:03	0.061
20008	09/25/2008	13:27:04	0.063

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
20009	09/25/2008	13:27:05	0.059
20010	09/25/2008	13:27:06	0.057
20011	09/25/2008	13:27:07	0.059
20012	09/25/2008	13:27:08	0.065
20013	09/25/2008	13:27:09	0.075
20014	09/25/2008	13:27:10	0.054
20015	09/25/2008	13:27:11	0.057
20016	09/25/2008	13:27:12	0.058
20017	09/25/2008	13:27:13	0.066
20018	09/25/2008	13:27:14	0.091
20019	09/25/2008	13:27:15	0.067
20020	09/25/2008	13:27:16	0.058
20021	09/25/2008	13:27:17	0.053
20022	09/25/2008	13:27:18	0.065
20023	09/25/2008	13:27:19	0.061
20024	09/25/2008	13:27:20	0.055
20025	09/25/2008	13:27:21	0.054
20026	09/25/2008	13:27:22	0.056
20027	09/25/2008	13:27:23	0.074
20028	09/25/2008	13:27:24	0.069
20029	09/25/2008	13:27:25	0.081
20030	09/25/2008	13:27:26	0.055
20031	09/25/2008	13:27:27	0.060
20032	09/25/2008	13:27:28	0.085
20033	09/25/2008	13:27:29	0.059
20034	09/25/2008	13:27:30	0.059
20035	09/25/2008	13:27:31	0.061
20036	09/25/2008	13:27:32	0.060
20037	09/25/2008	13:27:33	0.060
20038	09/25/2008	13:27:34	0.058
20039	09/25/2008	13:27:35	0.065
20040	09/25/2008	13:27:36	0.055
20041	09/25/2008	13:27:37	0.059
20042	09/25/2008	13:27:38	0.059
20043	09/25/2008	13:27:39	0.066
20044	09/25/2008	13:27:40	0.059
20045	09/25/2008	13:27:41	0.068
20046	09/25/2008	13:27:42	0.064
20047	09/25/2008	13:27:43	0.059
20048	09/25/2008	13:27:44	0.059
20049	09/25/2008	13:27:45	0.050
20050	09/25/2008	13:27:46	0.054
20051	09/25/2008	13:27:47	0.086
20052	09/25/2008	13:27:48	0.063
20053	09/25/2008	13:27:49	0.051
20054	09/25/2008	13:27:50	0.057
20055	09/25/2008	13:27:51	0.060
20056	09/25/2008	13:27:52	0.055
20057	09/25/2008	13:27:53	0.059
20058	09/25/2008	13:27:54	0.065
20059	09/25/2008	13:27:55	0.065
20060	09/25/2008	13:27:56	0.064
20061	09/25/2008	13:27:57	0.061
20062	09/25/2008	13:27:58	0.057
20063	09/25/2008	13:27:59	0.057

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
20064	09/25/2008	13:28:00	0.063
20065	09/25/2008	13:28:01	0.070
20066	09/25/2008	13:28:02	0.064
20067	09/25/2008	13:28:03	0.104
20068	09/25/2008	13:28:04	0.056
20069	09/25/2008	13:28:05	0.069
20070	09/25/2008	13:28:06	0.055
20071	09/25/2008	13:28:07	0.066
20072	09/25/2008	13:28:08	0.055
20073	09/25/2008	13:28:09	0.076
20074	09/25/2008	13:28:10	0.061
20075	09/25/2008	13:28:11	0.068
20076	09/25/2008	13:28:12	0.061
20077	09/25/2008	13:28:13	0.074
20078	09/25/2008	13:28:14	0.060
20079	09/25/2008	13:28:15	0.126
20080	09/25/2008	13:28:16	0.062
20081	09/25/2008	13:28:17	0.093
20082	09/25/2008	13:28:18	0.104
20083	09/25/2008	13:28:19	0.063
20084	09/25/2008	13:28:20	0.081
20085	09/25/2008	13:28:21	0.072
20086	09/25/2008	13:28:22	0.085
20087	09/25/2008	13:28:23	0.078
20088	09/25/2008	13:28:24	0.068
20089	09/25/2008	13:28:25	0.067
20090	09/25/2008	13:28:26	0.056
20091	09/25/2008	13:28:27	0.062
20092	09/25/2008	13:28:28	0.067
20093	09/25/2008	13:28:29	0.085
20094	09/25/2008	13:28:30	0.098
20095	09/25/2008	13:28:31	0.071
20096	09/25/2008	13:28:32	0.077
20097	09/25/2008	13:28:33	0.120
20098	09/25/2008	13:28:34	0.111
20099	09/25/2008	13:28:35	0.079
20100	09/25/2008	13:28:36	0.077
20101	09/25/2008	13:28:37	0.079
20102	09/25/2008	13:28:38	0.064
20103	09/25/2008	13:28:39	0.071
20104	09/25/2008	13:28:40	0.077
20105	09/25/2008	13:28:41	0.081
20106	09/25/2008	13:28:42	0.078
20107	09/25/2008	13:28:43	0.067
20108	09/25/2008	13:28:44	0.077
20109	09/25/2008	13:28:45	0.064
20110	09/25/2008	13:28:46	0.065
20111	09/25/2008	13:28:47	0.065
20112	09/25/2008	13:28:48	0.069
20113	09/25/2008	13:28:49	0.056
20114	09/25/2008	13:28:50	0.063
20115	09/25/2008	13:28:51	0.093
20116	09/25/2008	13:28:52	0.078
20117	09/25/2008	13:28:53	0.137
20118	09/25/2008	13:28:54	0.082



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
20119	09/25/2008	13:28:55	0.069
20120	09/25/2008	13:28:56	0.075
20121	09/25/2008	13:28:57	0.087
20122	09/25/2008	13:28:58	0.082
20123	09/25/2008	13:28:59	0.074
20124	09/25/2008	13:29:00	0.077
20125	09/25/2008	13:29:01	0.072
20126	09/25/2008	13:29:02	0.107
20127	09/25/2008	13:29:03	0.063
20128	09/25/2008	13:29:04	0.069
20129	09/25/2008	13:29:05	0.069
20130	09/25/2008	13:29:06	0.065
20131	09/25/2008	13:29:07	0.071
20132	09/25/2008	13:29:08	0.065
20133	09/25/2008	13:29:09	0.063
20134	09/25/2008	13:29:10	0.078
20135	09/25/2008	13:29:11	0.065
20136	09/25/2008	13:29:12	0.059
20137	09/25/2008	13:29:13	0.065
20138	09/25/2008	13:29:14	0.060
20139	09/25/2008	13:29:15	0.063
20140	09/25/2008	13:29:16	0.059
20141	09/25/2008	13:29:17	0.065
20142	09/25/2008	13:29:18	0.070
20143	09/25/2008	13:29:19	0.081
20144	09/25/2008	13:29:20	0.081
20145	09/25/2008	13:29:21	0.114
20146	09/25/2008	13:29:22	0.111
20147	09/25/2008	13:29:23	0.115
20148	09/25/2008	13:29:24	0.104
20149	09/25/2008	13:29:25	0.112
20150	09/25/2008	13:29:26	0.141
20151	09/25/2008	13:29:27	0.088
20152	09/25/2008	13:29:28	0.123
20153	09/25/2008	13:29:29	0.111
20154	09/25/2008	13:29:30	0.107
20155	09/25/2008	13:29:31	0.075
20156	09/25/2008	13:29:32	0.067
20157	09/25/2008	13:29:33	0.071
20158	09/25/2008	13:29:34	0.120
20159	09/25/2008	13:29:35	0.127
20160	09/25/2008	13:29:36	0.082
20161	09/25/2008	13:29:37	0.068
20162	09/25/2008	13:29:38	0.495
20163	09/25/2008	13:29:39	0.946
20164	09/25/2008	13:29:40	0.312
20165	09/25/2008	13:29:41	0.138
20166	09/25/2008	13:29:42	0.093
20167	09/25/2008	13:29:43	0.091
20168	09/25/2008	13:29:44	0.104
20169	09/25/2008	13:29:45	0.080
20170	09/25/2008	13:29:46	0.104
20171	09/25/2008	13:29:47	0.092
20172	09/25/2008	13:29:48	0.081
20173	09/25/2008	13:29:49	0.084

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
20174	09/25/2008	13:29:50	0.074
20175	09/25/2008	13:29:51	0.086
20176	09/25/2008	13:29:52	0.074
20177	09/25/2008	13:29:53	0.068
20178	09/25/2008	13:29:54	0.089
20179	09/25/2008	13:29:55	0.120
20180	09/25/2008	13:29:56	0.068
20181	09/25/2008	13:29:57	0.072
20182	09/25/2008	13:29:58	0.068
20183	09/25/2008	13:29:59	0.071
20184	09/25/2008	13:30:00	0.073
20185	09/25/2008	13:30:01	0.067
20186	09/25/2008	13:30:02	0.061
20187	09/25/2008	13:30:03	0.062
20188	09/25/2008	13:30:04	0.061
20189	09/25/2008	13:30:05	0.059
20190	09/25/2008	13:30:06	0.059
20191	09/25/2008	13:30:07	0.067
20192	09/25/2008	13:30:08	0.056
20193	09/25/2008	13:30:09	0.054
20194	09/25/2008	13:30:10	0.054
20195	09/25/2008	13:30:11	0.055
20196	09/25/2008	13:30:12	0.061
20197	09/25/2008	13:30:13	0.068
20198	09/25/2008	13:30:14	0.062
20199	09/25/2008	13:30:15	0.060
20200	09/25/2008	13:30:16	0.060
20201	09/25/2008	13:30:17	0.060
20202	09/25/2008	13:30:18	0.056
20203	09/25/2008	13:30:19	0.055
20204	09/25/2008	13:30:20	0.055
20205	09/25/2008	13:30:21	0.056
20206	09/25/2008	13:30:22	0.062
20207	09/25/2008	13:30:23	0.057
20208	09/25/2008	13:30:24	0.057
20209	09/25/2008	13:30:25	0.058
20210	09/25/2008	13:30:26	0.058
20211	09/25/2008	13:30:27	0.054
20212	09/25/2008	13:30:28	0.052
20213	09/25/2008	13:30:29	0.052
20214	09/25/2008	13:30:30	0.054
20215	09/25/2008	13:30:31	0.058
20216	09/25/2008	13:30:32	0.062
20217	09/25/2008	13:30:33	0.055
20218	09/25/2008	13:30:34	0.058
20219	09/25/2008	13:30:35	0.059
20220	09/25/2008	13:30:36	0.059
20221	09/25/2008	13:30:37	0.055
20222	09/25/2008	13:30:38	0.059
20223	09/25/2008	13:30:39	0.059
20224	09/25/2008	13:30:40	0.059
20225	09/25/2008	13:30:41	0.055
20226	09/25/2008	13:30:42	0.062
20227	09/25/2008	13:30:43	0.051
20228	09/25/2008	13:30:44	0.058

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
20229	09/25/2008	13:30:45	0.056
20230	09/25/2008	13:30:46	0.054
20231	09/25/2008	13:30:47	0.070
20232	09/25/2008	13:30:48	0.054
20233	09/25/2008	13:30:49	0.062
20234	09/25/2008	13:30:50	0.051
20235	09/25/2008	13:30:51	0.058
20236	09/25/2008	13:30:52	0.049
20237	09/25/2008	13:30:53	0.055
20238	09/25/2008	13:30:54	0.053
20239	09/25/2008	13:30:55	0.054
20240	09/25/2008	13:30:56	0.055
20241	09/25/2008	13:30:57	0.055
20242	09/25/2008	13:30:58	0.056
20243	09/25/2008	13:30:59	0.054
20244	09/25/2008	13:31:00	0.068
20245	09/25/2008	13:31:01	0.052
20246	09/25/2008	13:31:02	0.052
20247	09/25/2008	13:31:03	0.061
20248	09/25/2008	13:31:04	0.057
20249	09/25/2008	13:31:05	0.074
20250	09/25/2008	13:31:06	0.056
20251	09/25/2008	13:31:07	0.055
20252	09/25/2008	13:31:08	0.059
20253	09/25/2008	13:31:09	0.053
20254	09/25/2008	13:31:10	0.054
20255	09/25/2008	13:31:11	0.054
20256	09/25/2008	13:31:12	0.053
20257	09/25/2008	13:31:13	0.053
20258	09/25/2008	13:31:14	0.051
20259	09/25/2008	13:31:15	0.057
20260	09/25/2008	13:31:16	0.056
20261	09/25/2008	13:31:17	0.053
20262	09/25/2008	13:31:18	0.052
20263	09/25/2008	13:31:19	0.059
20264	09/25/2008	13:31:20	0.062
20265	09/25/2008	13:31:21	0.056
20266	09/25/2008	13:31:22	0.058
20267	09/25/2008	13:31:23	0.053
20268	09/25/2008	13:31:24	0.054
20269	09/25/2008	13:31:25	0.057
20270	09/25/2008	13:31:26	0.054
20271	09/25/2008	13:31:27	0.050
20272	09/25/2008	13:31:28	0.051
20273	09/25/2008	13:31:29	0.057
20274	09/25/2008	13:31:30	0.062
20275	09/25/2008	13:31:31	0.071
20276	09/25/2008	13:31:32	0.069
20277	09/25/2008	13:31:33	0.081
20278	09/25/2008	13:31:34	0.080
20279	09/25/2008	13:31:35	0.070
20280	09/25/2008	13:31:36	0.060
20281	09/25/2008	13:31:37	0.072
20282	09/25/2008	13:31:38	0.077
20283	09/25/2008	13:31:39	0.076

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
20284	09/25/2008	13:31:40	0.066
20285	09/25/2008	13:31:41	0.060
20286	09/25/2008	13:31:42	0.064
20287	09/25/2008	13:31:43	0.062
20288	09/25/2008	13:31:44	0.061
20289	09/25/2008	13:31:45	0.068
20290	09/25/2008	13:31:46	0.066
20291	09/25/2008	13:31:47	0.067
20292	09/25/2008	13:31:48	0.059
20293	09/25/2008	13:31:49	0.069
20294	09/25/2008	13:31:50	0.075
20295	09/25/2008	13:31:51	0.076
20296	09/25/2008	13:31:52	0.071
20297	09/25/2008	13:31:53	0.061
20298	09/25/2008	13:31:54	0.096
20299	09/25/2008	13:31:55	0.085
20300	09/25/2008	13:31:56	0.072
20301	09/25/2008	13:31:57	0.066
20302	09/25/2008	13:31:58	0.067
20303	09/25/2008	13:31:59	0.063
20304	09/25/2008	13:32:00	0.074
20305	09/25/2008	13:32:01	0.083
20306	09/25/2008	13:32:02	0.107
20307	09/25/2008	13:32:03	0.070
20308	09/25/2008	13:32:04	0.081
20309	09/25/2008	13:32:05	0.070
20310	09/25/2008	13:32:06	0.069
20311	09/25/2008	13:32:07	0.060
20312	09/25/2008	13:32:08	0.062
20313	09/25/2008	13:32:09	0.151
20314	09/25/2008	13:32:10	0.082
20315	09/25/2008	13:32:11	0.081
20316	09/25/2008	13:32:12	0.072
20317	09/25/2008	13:32:13	0.098
20318	09/25/2008	13:32:14	0.127
20319	09/25/2008	13:32:15	0.064
20320	09/25/2008	13:32:16	0.080
20321	09/25/2008	13:32:17	0.107
20322	09/25/2008	13:32:18	0.119
20323	09/25/2008	13:32:19	0.090
20324	09/25/2008	13:32:20	0.069
20325	09/25/2008	13:32:21	0.084
20326	09/25/2008	13:32:22	0.066
20327	09/25/2008	13:32:23	0.058
20328	09/25/2008	13:32:24	0.072
20329	09/25/2008	13:32:25	0.062
20330	09/25/2008	13:32:26	0.058
20331	09/25/2008	13:32:27	0.058
20332	09/25/2008	13:32:28	0.054
20333	09/25/2008	13:32:29	0.060
20334	09/25/2008	13:32:30	0.062
20335	09/25/2008	13:32:31	0.059
20336	09/25/2008	13:32:32	0.064
20337	09/25/2008	13:32:33	0.056
20338	09/25/2008	13:32:34	0.060

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
20339	09/25/2008	13:32:35	0.069
20340	09/25/2008	13:32:36	0.076
20341	09/25/2008	13:32:37	0.067
20342	09/25/2008	13:32:38	0.069
20343	09/25/2008	13:32:39	0.084
20344	09/25/2008	13:32:40	0.077
20345	09/25/2008	13:32:41	0.064
20346	09/25/2008	13:32:42	0.057
20347	09/25/2008	13:32:43	0.060
20348	09/25/2008	13:32:44	0.059
20349	09/25/2008	13:32:45	0.052
20350	09/25/2008	13:32:46	0.056
20351	09/25/2008	13:32:47	0.056
20352	09/25/2008	13:32:48	0.062
20353	09/25/2008	13:32:49	0.068
20354	09/25/2008	13:32:50	0.056
20355	09/25/2008	13:32:51	0.067
20356	09/25/2008	13:32:52	0.112
20357	09/25/2008	13:32:53	0.053
20358	09/25/2008	13:32:54	0.061
20359	09/25/2008	13:32:55	0.056
20360	09/25/2008	13:32:56	0.056
20361	09/25/2008	13:32:57	0.168
20362	09/25/2008	13:32:58	0.062
20363	09/25/2008	13:32:59	0.111
20364	09/25/2008	13:33:00	0.056
20365	09/25/2008	13:33:01	0.060
20366	09/25/2008	13:33:02	0.060
20367	09/25/2008	13:33:03	0.076
20368	09/25/2008	13:33:04	0.075
20369	09/25/2008	13:33:05	0.054
20370	09/25/2008	13:33:06	0.058
20371	09/25/2008	13:33:07	0.058
20372	09/25/2008	13:33:08	0.059
20373	09/25/2008	13:33:09	0.053
20374	09/25/2008	13:33:10	0.072
20375	09/25/2008	13:33:11	0.062
20376	09/25/2008	13:33:12	0.069
20377	09/25/2008	13:33:13	0.072
20378	09/25/2008	13:33:14	0.058
20379	09/25/2008	13:33:15	0.058
20380	09/25/2008	13:33:16	0.060
20381	09/25/2008	13:33:17	0.072
20382	09/25/2008	13:33:18	0.063
20383	09/25/2008	13:33:19	0.062
20384	09/25/2008	13:33:20	0.072
20385	09/25/2008	13:33:21	0.087
20386	09/25/2008	13:33:22	0.063
20387	09/25/2008	13:33:23	0.059
20388	09/25/2008	13:33:24	0.135
20389	09/25/2008	13:33:25	0.090
20390	09/25/2008	13:33:26	0.076
20391	09/25/2008	13:33:27	0.090
20392	09/25/2008	13:33:28	0.111
20393	09/25/2008	13:33:29	0.066

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
20394	09/25/2008	13:33:30	0.058
20395	09/25/2008	13:33:31	0.111
20396	09/25/2008	13:33:32	0.067
20397	09/25/2008	13:33:33	0.086
20398	09/25/2008	13:33:34	0.062
20399	09/25/2008	13:33:35	0.060
20400	09/25/2008	13:33:36	0.062
20401	09/25/2008	13:33:37	0.069
20402	09/25/2008	13:33:38	0.080
20403	09/25/2008	13:33:39	0.063
20404	09/25/2008	13:33:40	0.059
20405	09/25/2008	13:33:41	0.067
20406	09/25/2008	13:33:42	0.066
20407	09/25/2008	13:33:43	0.053
20408	09/25/2008	13:33:44	0.097
20409	09/25/2008	13:33:45	0.060
20410	09/25/2008	13:33:46	0.060
20411	09/25/2008	13:33:47	0.064
20412	09/25/2008	13:33:48	0.054
20413	09/25/2008	13:33:49	0.050
20414	09/25/2008	13:33:50	0.053
20415	09/25/2008	13:33:51	0.057
20416	09/25/2008	13:33:52	0.054
20417	09/25/2008	13:33:53	0.061
20418	09/25/2008	13:33:54	0.057
20419	09/25/2008	13:33:55	0.066
20420	09/25/2008	13:33:56	0.055
20421	09/25/2008	13:33:57	0.061
20422	09/25/2008	13:33:58	0.054
20423	09/25/2008	13:33:59	0.064
20424	09/25/2008	13:34:00	0.057
20425	09/25/2008	13:34:01	0.057
20426	09/25/2008	13:34:02	0.058
20427	09/25/2008	13:34:03	0.078
20428	09/25/2008	13:34:04	0.056
20429	09/25/2008	13:34:05	0.052
20430	09/25/2008	13:34:06	0.070
20431	09/25/2008	13:34:07	0.053
20432	09/25/2008	13:34:08	0.060
20433	09/25/2008	13:34:09	0.064
20434	09/25/2008	13:34:10	0.059
20435	09/25/2008	13:34:11	0.053
20436	09/25/2008	13:34:12	0.057
20437	09/25/2008	13:34:13	0.054
20438	09/25/2008	13:34:14	0.061
20439	09/25/2008	13:34:15	0.059
20440	09/25/2008	13:34:16	0.062
20441	09/25/2008	13:34:17	0.061
20442	09/25/2008	13:34:18	0.069
20443	09/25/2008	13:34:19	0.059
20444	09/25/2008	13:34:20	0.054
20445	09/25/2008	13:34:21	0.058
20446	09/25/2008	13:34:22	0.053
20447	09/25/2008	13:34:23	0.056
20448	09/25/2008	13:34:24	0.054

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
20449	09/25/2008	13:34:25	0.052
20450	09/25/2008	13:34:26	0.060
20451	09/25/2008	13:34:27	0.053
20452	09/25/2008	13:34:28	0.053
20453	09/25/2008	13:34:29	0.058
20454	09/25/2008	13:34:30	0.067
20455	09/25/2008	13:34:31	0.050
20456	09/25/2008	13:34:32	0.060
20457	09/25/2008	13:34:33	0.058
20458	09/25/2008	13:34:34	0.055
20459	09/25/2008	13:34:35	0.061
20460	09/25/2008	13:34:36	0.057
20461	09/25/2008	13:34:37	0.056
20462	09/25/2008	13:34:38	0.051
20463	09/25/2008	13:34:39	0.053
20464	09/25/2008	13:34:40	0.053
20465	09/25/2008	13:34:41	0.053
20466	09/25/2008	13:34:42	0.066
20467	09/25/2008	13:34:43	0.055
20468	09/25/2008	13:34:44	0.052
20469	09/25/2008	13:34:45	0.056
20470	09/25/2008	13:34:46	0.057
20471	09/25/2008	13:34:47	0.058
20472	09/25/2008	13:34:48	0.060
20473	09/25/2008	13:34:49	0.060
20474	09/25/2008	13:34:50	0.069
20475	09/25/2008	13:34:51	0.058
20476	09/25/2008	13:34:52	0.052
20477	09/25/2008	13:34:53	0.060
20478	09/25/2008	13:34:54	0.066
20479	09/25/2008	13:34:55	0.059
20480	09/25/2008	13:34:56	0.058
20481	09/25/2008	13:34:57	0.056
20482	09/25/2008	13:34:58	0.059
20483	09/25/2008	13:34:59	0.061
20484	09/25/2008	13:35:00	0.059
20485	09/25/2008	13:35:01	0.072
20486	09/25/2008	13:35:02	0.061
20487	09/25/2008	13:35:03	0.057
20488	09/25/2008	13:35:04	0.059
20489	09/25/2008	13:35:05	0.053
20490	09/25/2008	13:35:06	0.056
20491	09/25/2008	13:35:07	0.056
20492	09/25/2008	13:35:08	0.079
20493	09/25/2008	13:35:09	0.060
20494	09/25/2008	13:35:10	0.063
20495	09/25/2008	13:35:11	0.077
20496	09/25/2008	13:35:12	0.080
20497	09/25/2008	13:35:13	0.090
20498	09/25/2008	13:35:14	0.071
20499	09/25/2008	13:35:15	0.065
20500	09/25/2008	13:35:16	0.069
20501	09/25/2008	13:35:17	0.081
20502	09/25/2008	13:35:18	0.089
20503	09/25/2008	13:35:19	0.074

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
20504	09/25/2008	13:35:20	0.079
20505	09/25/2008	13:35:21	0.069
20506	09/25/2008	13:35:22	0.101
20507	09/25/2008	13:35:23	0.078
20508	09/25/2008	13:35:24	0.082
20509	09/25/2008	13:35:25	0.100
20510	09/25/2008	13:35:26	0.093
20511	09/25/2008	13:35:27	0.076
20512	09/25/2008	13:35:28	0.086
20513	09/25/2008	13:35:29	0.091
20514	09/25/2008	13:35:30	0.076
20515	09/25/2008	13:35:31	0.073
20516	09/25/2008	13:35:32	0.069
20517	09/25/2008	13:35:33	0.064
20518	09/25/2008	13:35:34	0.065
20519	09/25/2008	13:35:35	0.063
20520	09/25/2008	13:35:36	0.070
20521	09/25/2008	13:35:37	0.071
20522	09/25/2008	13:35:38	0.060
20523	09/25/2008	13:35:39	0.060
20524	09/25/2008	13:35:40	0.068
20525	09/25/2008	13:35:41	0.082
20526	09/25/2008	13:35:42	0.064
20527	09/25/2008	13:35:43	0.089
20528	09/25/2008	13:35:44	0.082
20529	09/25/2008	13:35:45	0.062
20530	09/25/2008	13:35:46	0.085
20531	09/25/2008	13:35:47	0.073
20532	09/25/2008	13:35:48	0.108
20533	09/25/2008	13:35:49	0.058
20534	09/25/2008	13:35:50	0.075
20535	09/25/2008	13:35:51	0.078
20536	09/25/2008	13:35:52	0.089
20537	09/25/2008	13:35:53	0.083
20538	09/25/2008	13:35:54	0.069
20539	09/25/2008	13:35:55	0.078
20540	09/25/2008	13:35:56	0.146
20541	09/25/2008	13:35:57	0.193
20542	09/25/2008	13:35:58	0.067
20543	09/25/2008	13:35:59	0.063
20544	09/25/2008	13:36:00	0.065
20545	09/25/2008	13:36:01	0.095
20546	09/25/2008	13:36:02	0.078
20547	09/25/2008	13:36:03	0.075
20548	09/25/2008	13:36:04	0.067
20549	09/25/2008	13:36:05	0.085
20550	09/25/2008	13:36:06	0.070
20551	09/25/2008	13:36:07	0.079
20552	09/25/2008	13:36:08	0.088
20553	09/25/2008	13:36:09	0.318
20554	09/25/2008	13:36:10	0.190
20555	09/25/2008	13:36:11	0.135
20556	09/25/2008	13:36:12	0.203
20557	09/25/2008	13:36:13	0.311
20558	09/25/2008	13:36:14	0.187



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
20559	09/25/2008	13:36:15	0.463
20560	09/25/2008	13:36:16	0.251
20561	09/25/2008	13:36:17	0.159
20562	09/25/2008	13:36:18	0.171
20563	09/25/2008	13:36:19	0.099
20564	09/25/2008	13:36:20	0.099
20565	09/25/2008	13:36:21	0.080
20566	09/25/2008	13:36:22	0.117
20567	09/25/2008	13:36:23	0.080
20568	09/25/2008	13:36:24	0.103
20569	09/25/2008	13:36:25	0.131
20570	09/25/2008	13:36:26	0.153
20571	09/25/2008	13:36:27	0.140
20572	09/25/2008	13:36:28	0.107
20573	09/25/2008	13:36:29	0.119
20574	09/25/2008	13:36:30	0.067
20575	09/25/2008	13:36:31	0.109
20576	09/25/2008	13:36:32	0.078
20577	09/25/2008	13:36:33	0.092
20578	09/25/2008	13:36:34	0.095
20579	09/25/2008	13:36:35	0.074
20580	09/25/2008	13:36:36	0.073
20581	09/25/2008	13:36:37	0.080
20582	09/25/2008	13:36:38	0.062
20583	09/25/2008	13:36:39	0.070
20584	09/25/2008	13:36:40	0.067
20585	09/25/2008	13:36:41	0.109
20586	09/25/2008	13:36:42	0.063
20587	09/25/2008	13:36:43	0.060
20588	09/25/2008	13:36:44	0.067
20589	09/25/2008	13:36:45	0.098
20590	09/25/2008	13:36:46	0.070
20591	09/25/2008	13:36:47	0.074
20592	09/25/2008	13:36:48	0.080
20593	09/25/2008	13:36:49	0.083
20594	09/25/2008	13:36:50	0.075
20595	09/25/2008	13:36:51	0.067
20596	09/25/2008	13:36:52	0.070
20597	09/25/2008	13:36:53	0.070
20598	09/25/2008	13:36:54	0.090
20599	09/25/2008	13:36:55	0.069
20600	09/25/2008	13:36:56	0.073
20601	09/25/2008	13:36:57	0.091
20602	09/25/2008	13:36:58	0.056
20603	09/25/2008	13:36:59	0.083
20604	09/25/2008	13:37:00	0.066
20605	09/25/2008	13:37:01	0.061
20606	09/25/2008	13:37:02	0.061
20607	09/25/2008	13:37:03	0.076
20608	09/25/2008	13:37:04	0.064
20609	09/25/2008	13:37:05	0.063
20610	09/25/2008	13:37:06	0.073
20611	09/25/2008	13:37:07	0.059
20612	09/25/2008	13:37:08	0.055
20613	09/25/2008	13:37:09	0.056

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
20614	09/25/2008	13:37:10	0.055
20615	09/25/2008	13:37:11	0.067
20616	09/25/2008	13:37:12	0.063
20617	09/25/2008	13:37:13	0.056
20618	09/25/2008	13:37:14	0.054
20619	09/25/2008	13:37:15	0.054
20620	09/25/2008	13:37:16	0.055
20621	09/25/2008	13:37:17	0.072
20622	09/25/2008	13:37:18	0.058
20623	09/25/2008	13:37:19	0.054
20624	09/25/2008	13:37:20	0.059
20625	09/25/2008	13:37:21	0.055
20626	09/25/2008	13:37:22	0.057
20627	09/25/2008	13:37:23	0.057
20628	09/25/2008	13:37:24	0.053
20629	09/25/2008	13:37:25	0.054
20630	09/25/2008	13:37:26	0.071
20631	09/25/2008	13:37:27	0.051
20632	09/25/2008	13:37:28	0.056
20633	09/25/2008	13:37:29	0.066
20634	09/25/2008	13:37:30	0.056
20635	09/25/2008	13:37:31	0.051
20636	09/25/2008	13:37:32	0.065
20637	09/25/2008	13:37:33	0.055
20638	09/25/2008	13:37:34	0.068
20639	09/25/2008	13:37:35	0.066
20640	09/25/2008	13:37:36	0.058
20641	09/25/2008	13:37:37	0.093
20642	09/25/2008	13:37:38	0.062
20643	09/25/2008	13:37:39	0.068
20644	09/25/2008	13:37:40	0.052
20645	09/25/2008	13:37:41	0.058
20646	09/25/2008	13:37:42	0.059
20647	09/25/2008	13:37:43	0.059
20648	09/25/2008	13:37:44	0.054
20649	09/25/2008	13:37:45	0.057
20650	09/25/2008	13:37:46	0.064
20651	09/25/2008	13:37:47	0.059
20652	09/25/2008	13:37:48	0.052
20653	09/25/2008	13:37:49	0.066
20654	09/25/2008	13:37:50	0.052
20655	09/25/2008	13:37:51	0.064
20656	09/25/2008	13:37:52	0.129
20657	09/25/2008	13:37:53	0.061
20658	09/25/2008	13:37:54	0.054
20659	09/25/2008	13:37:55	0.100
20660	09/25/2008	13:37:56	0.077
20661	09/25/2008	13:37:57	0.123
20662	09/25/2008	13:37:58	0.057
20663	09/25/2008	13:37:59	0.061
20664	09/25/2008	13:38:00	0.085
20665	09/25/2008	13:38:01	0.078
20666	09/25/2008	13:38:02	0.058
20667	09/25/2008	13:38:03	0.071
20668	09/25/2008	13:38:04	0.081

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
20669	09/25/2008	13:38:05	0.052
20670	09/25/2008	13:38:06	0.078
20671	09/25/2008	13:38:07	0.063
20672	09/25/2008	13:38:08	0.073
20673	09/25/2008	13:38:09	0.058
20674	09/25/2008	13:38:10	0.082
20675	09/25/2008	13:38:11	0.409
20676	09/25/2008	13:38:12	0.097
20677	09/25/2008	13:38:13	0.088
20678	09/25/2008	13:38:14	0.104
20679	09/25/2008	13:38:15	0.112
20680	09/25/2008	13:38:16	0.095
20681	09/25/2008	13:38:17	0.088
20682	09/25/2008	13:38:18	0.076
20683	09/25/2008	13:38:19	0.084
20684	09/25/2008	13:38:20	0.064
20685	09/25/2008	13:38:21	0.106
20686	09/25/2008	13:38:22	0.057
20687	09/25/2008	13:38:23	0.057
20688	09/25/2008	13:38:24	0.063
20689	09/25/2008	13:38:25	0.062
20690	09/25/2008	13:38:26	0.065
20691	09/25/2008	13:38:27	0.057
20692	09/25/2008	13:38:28	0.054
20693	09/25/2008	13:38:29	0.079
20694	09/25/2008	13:38:30	0.057
20695	09/25/2008	13:38:31	0.075
20696	09/25/2008	13:38:32	0.068
20697	09/25/2008	13:38:33	0.132
20698	09/25/2008	13:38:34	0.069
20699	09/25/2008	13:38:35	0.069
20700	09/25/2008	13:38:36	0.082
20701	09/25/2008	13:38:37	0.084
20702	09/25/2008	13:38:38	0.066
20703	09/25/2008	13:38:39	0.162
20704	09/25/2008	13:38:40	0.075
20705	09/25/2008	13:38:41	0.075
20706	09/25/2008	13:38:42	0.061
20707	09/25/2008	13:38:43	0.060
20708	09/25/2008	13:38:44	0.093
20709	09/25/2008	13:38:45	0.103
20710	09/25/2008	13:38:46	0.074
20711	09/25/2008	13:38:47	0.104
20712	09/25/2008	13:38:48	0.069
20713	09/25/2008	13:38:49	0.094
20714	09/25/2008	13:38:50	0.077
20715	09/25/2008	13:38:51	0.062
20716	09/25/2008	13:38:52	0.070
20717	09/25/2008	13:38:53	0.066
20718	09/25/2008	13:38:54	0.059
20719	09/25/2008	13:38:55	0.069
20720	09/25/2008	13:38:56	0.060
20721	09/25/2008	13:38:57	0.089
20722	09/25/2008	13:38:58	0.067
20723	09/25/2008	13:38:59	0.067

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
20724	09/25/2008	13:39:00	0.060
20725	09/25/2008	13:39:01	0.063
20726	09/25/2008	13:39:02	0.060
20727	09/25/2008	13:39:03	0.054
20728	09/25/2008	13:39:04	0.084
20729	09/25/2008	13:39:05	0.058
20730	09/25/2008	13:39:06	0.052
20731	09/25/2008	13:39:07	0.054
20732	09/25/2008	13:39:08	0.053
20733	09/25/2008	13:39:09	0.054
20734	09/25/2008	13:39:10	0.057
20735	09/25/2008	13:39:11	0.058
20736	09/25/2008	13:39:12	0.051
20737	09/25/2008	13:39:13	0.049
20738	09/25/2008	13:39:14	0.066
20739	09/25/2008	13:39:15	0.083
20740	09/25/2008	13:39:16	0.077
20741	09/25/2008	13:39:17	0.062
20742	09/25/2008	13:39:18	0.060
20743	09/25/2008	13:39:19	0.064
20744	09/25/2008	13:39:20	0.082
20745	09/25/2008	13:39:21	0.068
20746	09/25/2008	13:39:22	0.058
20747	09/25/2008	13:39:23	0.059
20748	09/25/2008	13:39:24	0.055
20749	09/25/2008	13:39:25	0.080
20750	09/25/2008	13:39:26	0.078
20751	09/25/2008	13:39:27	0.064
20752	09/25/2008	13:39:28	0.070
20753	09/25/2008	13:39:29	0.083
20754	09/25/2008	13:39:30	0.140
20755	09/25/2008	13:39:31	0.193
20756	09/25/2008	13:39:32	0.210
20757	09/25/2008	13:39:33	0.228
20758	09/25/2008	13:39:34	0.176
20759	09/25/2008	13:39:35	0.203
20760	09/25/2008	13:39:36	0.171
20761	09/25/2008	13:39:37	0.147
20762	09/25/2008	13:39:38	0.118
20763	09/25/2008	13:39:39	0.139
20764	09/25/2008	13:39:40	0.094
20765	09/25/2008	13:39:41	0.079
20766	09/25/2008	13:39:42	0.129
20767	09/25/2008	13:39:43	0.095
20768	09/25/2008	13:39:44	0.099
20769	09/25/2008	13:39:45	0.111
20770	09/25/2008	13:39:46	0.094
20771	09/25/2008	13:39:47	0.078
20772	09/25/2008	13:39:48	0.076
20773	09/25/2008	13:39:49	0.127
20774	09/25/2008	13:39:50	0.100
20775	09/25/2008	13:39:51	0.101
20776	09/25/2008	13:39:52	0.066
20777	09/25/2008	13:39:53	0.075
20778	09/25/2008	13:39:54	0.085

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
20779	09/25/2008	13:39:55	0.068
20780	09/25/2008	13:39:56	0.071
20781	09/25/2008	13:39:57	0.072
20782	09/25/2008	13:39:58	0.079
20783	09/25/2008	13:39:59	0.074
20784	09/25/2008	13:40:00	0.097
20785	09/25/2008	13:40:01	0.150
20786	09/25/2008	13:40:02	0.111
20787	09/25/2008	13:40:03	0.065
20788	09/25/2008	13:40:04	0.082
20789	09/25/2008	13:40:05	0.063
20790	09/25/2008	13:40:06	0.089
20791	09/25/2008	13:40:07	0.060
20792	09/25/2008	13:40:08	0.070
20793	09/25/2008	13:40:09	0.056
20794	09/25/2008	13:40:10	0.053
20795	09/25/2008	13:40:11	0.060
20796	09/25/2008	13:40:12	0.057
20797	09/25/2008	13:40:13	0.060
20798	09/25/2008	13:40:14	0.055
20799	09/25/2008	13:40:15	0.077
20800	09/25/2008	13:40:16	0.053
20801	09/25/2008	13:40:17	0.077
20802	09/25/2008	13:40:18	0.110
20803	09/25/2008	13:40:19	0.059
20804	09/25/2008	13:40:20	0.119
20805	09/25/2008	13:40:21	0.113
20806	09/25/2008	13:40:22	0.055
20807	09/25/2008	13:40:23	0.055
20808	09/25/2008	13:40:24	0.075
20809	09/25/2008	13:40:25	0.072
20810	09/25/2008	13:40:26	0.068
20811	09/25/2008	13:40:27	0.058
20812	09/25/2008	13:40:28	0.196
20813	09/25/2008	13:40:29	0.089
20814	09/25/2008	13:40:30	0.071
20815	09/25/2008	13:40:31	0.071
20816	09/25/2008	13:40:32	0.072
20817	09/25/2008	13:40:33	0.058
20818	09/25/2008	13:40:34	0.079
20819	09/25/2008	13:40:35	0.061
20820	09/25/2008	13:40:36	0.098
20821	09/25/2008	13:40:37	0.065
20822	09/25/2008	13:40:38	0.085
20823	09/25/2008	13:40:39	0.062
20824	09/25/2008	13:40:40	0.058
20825	09/25/2008	13:40:41	0.055
20826	09/25/2008	13:40:42	0.090
20827	09/25/2008	13:40:43	0.116
20828	09/25/2008	13:40:44	0.068
20829	09/25/2008	13:40:45	0.101
20830	09/25/2008	13:40:46	0.062
20831	09/25/2008	13:40:47	0.114
20832	09/25/2008	13:40:48	0.064
20833	09/25/2008	13:40:49	0.053

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
20834	09/25/2008	13:40:50	0.069
20835	09/25/2008	13:40:51	0.093
20836	09/25/2008	13:40:52	0.130
20837	09/25/2008	13:40:53	0.055
20838	09/25/2008	13:40:54	0.054
20839	09/25/2008	13:40:55	0.057
20840	09/25/2008	13:40:56	0.061
20841	09/25/2008	13:40:57	0.054
20842	09/25/2008	13:40:58	0.255
20843	09/25/2008	13:40:59	0.055
20844	09/25/2008	13:41:00	0.070
20845	09/25/2008	13:41:01	0.112
20846	09/25/2008	13:41:02	0.073
20847	09/25/2008	13:41:03	0.102
20848	09/25/2008	13:41:04	0.139
20849	09/25/2008	13:41:05	0.059
20850	09/25/2008	13:41:06	0.057
20851	09/25/2008	13:41:07	0.060
20852	09/25/2008	13:41:08	0.068
20853	09/25/2008	13:41:09	0.065
20854	09/25/2008	13:41:10	0.055
20855	09/25/2008	13:41:11	0.059
20856	09/25/2008	13:41:12	0.060
20857	09/25/2008	13:41:13	0.076
20858	09/25/2008	13:41:14	0.074
20859	09/25/2008	13:41:15	0.078
20860	09/25/2008	13:41:16	0.063
20861	09/25/2008	13:41:17	0.065
20862	09/25/2008	13:41:18	0.084
20863	09/25/2008	13:41:19	0.070
20864	09/25/2008	13:41:20	0.085
20865	09/25/2008	13:41:21	0.085
20866	09/25/2008	13:41:22	0.076
20867	09/25/2008	13:41:23	0.062
20868	09/25/2008	13:41:24	0.058
20869	09/25/2008	13:41:25	0.076
20870	09/25/2008	13:41:26	0.057
20871	09/25/2008	13:41:27	0.051
20872	09/25/2008	13:41:28	0.059
20873	09/25/2008	13:41:29	0.061
20874	09/25/2008	13:41:30	0.064
20875	09/25/2008	13:41:31	0.057
20876	09/25/2008	13:41:32	0.060
20877	09/25/2008	13:41:33	0.081
20878	09/25/2008	13:41:34	0.054
20879	09/25/2008	13:41:35	0.058
20880	09/25/2008	13:41:36	0.070
20881	09/25/2008	13:41:37	0.062
20882	09/25/2008	13:41:38	0.078
20883	09/25/2008	13:41:39	0.062
20884	09/25/2008	13:41:40	0.108
20885	09/25/2008	13:41:41	0.148
20886	09/25/2008	13:41:42	0.122
20887	09/25/2008	13:41:43	0.116
20888	09/25/2008	13:41:44	0.135

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
20889	09/25/2008	13:41:45	0.110
20890	09/25/2008	13:41:46	0.099
20891	09/25/2008	13:41:47	0.122
20892	09/25/2008	13:41:48	0.104
20893	09/25/2008	13:41:49	0.088
20894	09/25/2008	13:41:50	0.095
20895	09/25/2008	13:41:51	0.064
20896	09/25/2008	13:41:52	0.062
20897	09/25/2008	13:41:53	0.070
20898	09/25/2008	13:41:54	0.062
20899	09/25/2008	13:41:55	0.058
20900	09/25/2008	13:41:56	0.064
20901	09/25/2008	13:41:57	0.058
20902	09/25/2008	13:41:58	0.055
20903	09/25/2008	13:41:59	0.080
20904	09/25/2008	13:42:00	0.059
20905	09/25/2008	13:42:01	0.084
20906	09/25/2008	13:42:02	0.067
20907	09/25/2008	13:42:03	0.053
20908	09/25/2008	13:42:04	0.057
20909	09/25/2008	13:42:05	0.061
20910	09/25/2008	13:42:06	0.053
20911	09/25/2008	13:42:07	0.053
20912	09/25/2008	13:42:08	0.066
20913	09/25/2008	13:42:09	0.062
20914	09/25/2008	13:42:10	0.062
20915	09/25/2008	13:42:11	0.057
20916	09/25/2008	13:42:12	0.069
20917	09/25/2008	13:42:13	0.067
20918	09/25/2008	13:42:14	0.055
20919	09/25/2008	13:42:15	0.054
20920	09/25/2008	13:42:16	0.055
20921	09/25/2008	13:42:17	0.060
20922	09/25/2008	13:42:18	0.056
20923	09/25/2008	13:42:19	0.054
20924	09/25/2008	13:42:20	0.055
20925	09/25/2008	13:42:21	0.051
20926	09/25/2008	13:42:22	0.052
20927	09/25/2008	13:42:23	0.062
20928	09/25/2008	13:42:24	0.058
20929	09/25/2008	13:42:25	0.058
20930	09/25/2008	13:42:26	0.073
20931	09/25/2008	13:42:27	0.068
20932	09/25/2008	13:42:28	0.077
20933	09/25/2008	13:42:29	0.059
20934	09/25/2008	13:42:30	0.078
20935	09/25/2008	13:42:31	0.059
20936	09/25/2008	13:42:32	0.065
20937	09/25/2008	13:42:33	0.070
20938	09/25/2008	13:42:34	0.061
20939	09/25/2008	13:42:35	0.059
20940	09/25/2008	13:42:36	0.060
20941	09/25/2008	13:42:37	0.056
20942	09/25/2008	13:42:38	0.067
20943	09/25/2008	13:42:39	0.062

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
20944	09/25/2008	13:42:40	0.048
20945	09/25/2008	13:42:41	0.054
20946	09/25/2008	13:42:42	0.049
20947	09/25/2008	13:42:43	0.052
20948	09/25/2008	13:42:44	0.060
20949	09/25/2008	13:42:45	0.058
20950	09/25/2008	13:42:46	0.057
20951	09/25/2008	13:42:47	0.057
20952	09/25/2008	13:42:48	0.083
20953	09/25/2008	13:42:49	0.061
20954	09/25/2008	13:42:50	0.078
20955	09/25/2008	13:42:51	0.088
20956	09/25/2008	13:42:52	0.082
20957	09/25/2008	13:42:53	0.070
20958	09/25/2008	13:42:54	0.063
20959	09/25/2008	13:42:55	0.061
20960	09/25/2008	13:42:56	0.061
20961	09/25/2008	13:42:57	0.062
20962	09/25/2008	13:42:58	0.054
20963	09/25/2008	13:42:59	0.055
20964	09/25/2008	13:43:00	0.060
20965	09/25/2008	13:43:01	0.062
20966	09/25/2008	13:43:02	0.064
20967	09/25/2008	13:43:03	0.067
20968	09/25/2008	13:43:04	0.067
20969	09/25/2008	13:43:05	0.054
20970	09/25/2008	13:43:06	0.060
20971	09/25/2008	13:43:07	0.114
20972	09/25/2008	13:43:08	0.122
20973	09/25/2008	13:43:09	0.061
20974	09/25/2008	13:43:10	0.060
20975	09/25/2008	13:43:11	0.056
20976	09/25/2008	13:43:12	0.057
20977	09/25/2008	13:43:13	0.067
20978	09/25/2008	13:43:14	0.076
20979	09/25/2008	13:43:15	0.083
20980	09/25/2008	13:43:16	0.074
20981	09/25/2008	13:43:17	0.072
20982	09/25/2008	13:43:18	0.064
20983	09/25/2008	13:43:19	0.061
20984	09/25/2008	13:43:20	0.064
20985	09/25/2008	13:43:21	0.055
20986	09/25/2008	13:43:22	0.053
20987	09/25/2008	13:43:23	0.062
20988	09/25/2008	13:43:24	0.055
20989	09/25/2008	13:43:25	0.057
20990	09/25/2008	13:43:26	0.057
20991	09/25/2008	13:43:27	0.060
20992	09/25/2008	13:43:28	0.054
20993	09/25/2008	13:43:29	0.051
20994	09/25/2008	13:43:30	0.053
20995	09/25/2008	13:43:31	0.051
20996	09/25/2008	13:43:32	0.055
20997	09/25/2008	13:43:33	0.054
20998	09/25/2008	13:43:34	0.053



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
20999	09/25/2008	13:43:35	0.058
21000	09/25/2008	13:43:36	0.052
21001	09/25/2008	13:43:37	0.053
21002	09/25/2008	13:43:38	0.048
21003	09/25/2008	13:43:39	0.062
21004	09/25/2008	13:43:40	0.053
21005	09/25/2008	13:43:41	0.070
21006	09/25/2008	13:43:42	0.053
21007	09/25/2008	13:43:43	0.058
21008	09/25/2008	13:43:44	0.059
21009	09/25/2008	13:43:45	0.133
21010	09/25/2008	13:43:46	0.098
21011	09/25/2008	13:43:47	0.063
21012	09/25/2008	13:43:48	0.108
21013	09/25/2008	13:43:49	0.093
21014	09/25/2008	13:43:50	0.090
21015	09/25/2008	13:43:51	0.065
21016	09/25/2008	13:43:52	0.060
21017	09/25/2008	13:43:53	0.072
21018	09/25/2008	13:43:54	0.065
21019	09/25/2008	13:43:55	0.055
21020	09/25/2008	13:43:56	0.097
21021	09/25/2008	13:43:57	0.171
21022	09/25/2008	13:43:58	0.065
21023	09/25/2008	13:43:59	0.065
21024	09/25/2008	13:44:00	0.064
21025	09/25/2008	13:44:01	0.066
21026	09/25/2008	13:44:02	0.053
21027	09/25/2008	13:44:03	0.078
21028	09/25/2008	13:44:04	0.053
21029	09/25/2008	13:44:05	0.063
21030	09/25/2008	13:44:06	0.053
21031	09/25/2008	13:44:07	0.066
21032	09/25/2008	13:44:08	0.059
21033	09/25/2008	13:44:09	0.058
21034	09/25/2008	13:44:10	0.061
21035	09/25/2008	13:44:11	0.060
21036	09/25/2008	13:44:12	0.151
21037	09/25/2008	13:44:13	0.072
21038	09/25/2008	13:44:14	0.069
21039	09/25/2008	13:44:15	0.073
21040	09/25/2008	13:44:16	0.065
21041	09/25/2008	13:44:17	0.055
21042	09/25/2008	13:44:18	0.059
21043	09/25/2008	13:44:19	0.063
21044	09/25/2008	13:44:20	0.062
21045	09/25/2008	13:44:21	0.058
21046	09/25/2008	13:44:22	0.059
21047	09/25/2008	13:44:23	0.055
21048	09/25/2008	13:44:24	0.062
21049	09/25/2008	13:44:25	0.074
21050	09/25/2008	13:44:26	0.063
21051	09/25/2008	13:44:27	0.055
21052	09/25/2008	13:44:28	0.058
21053	09/25/2008	13:44:29	0.075

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
21054	09/25/2008	13:44:30	0.072
21055	09/25/2008	13:44:31	0.066
21056	09/25/2008	13:44:32	0.067
21057	09/25/2008	13:44:33	0.086
21058	09/25/2008	13:44:34	0.058
21059	09/25/2008	13:44:35	0.057
21060	09/25/2008	13:44:36	0.083
21061	09/25/2008	13:44:37	0.058
21062	09/25/2008	13:44:38	0.054
21063	09/25/2008	13:44:39	0.055
21064	09/25/2008	13:44:40	0.062
21065	09/25/2008	13:44:41	0.056
21066	09/25/2008	13:44:42	0.052
21067	09/25/2008	13:44:43	0.057
21068	09/25/2008	13:44:44	0.062
21069	09/25/2008	13:44:45	0.049
21070	09/25/2008	13:44:46	0.054
21071	09/25/2008	13:44:47	0.059
21072	09/25/2008	13:44:48	0.052
21073	09/25/2008	13:44:49	0.064
21074	09/25/2008	13:44:50	0.057
21075	09/25/2008	13:44:51	0.066
21076	09/25/2008	13:44:52	0.073
21077	09/25/2008	13:44:53	0.052
21078	09/25/2008	13:44:54	0.053
21079	09/25/2008	13:44:55	0.087
21080	09/25/2008	13:44:56	0.076
21081	09/25/2008	13:44:57	0.124
21082	09/25/2008	13:44:58	0.119
21083	09/25/2008	13:44:59	0.082
21084	09/25/2008	13:45:00	0.070
21085	09/25/2008	13:45:01	0.062
21086	09/25/2008	13:45:02	0.070
21087	09/25/2008	13:45:03	0.068
21088	09/25/2008	13:45:04	0.062
21089	09/25/2008	13:45:05	0.077
21090	09/25/2008	13:45:06	0.078
21091	09/25/2008	13:45:07	0.073
21092	09/25/2008	13:45:08	0.066
21093	09/25/2008	13:45:09	0.069
21094	09/25/2008	13:45:10	0.072
21095	09/25/2008	13:45:11	0.079
21096	09/25/2008	13:45:12	0.069
21097	09/25/2008	13:45:13	0.079
21098	09/25/2008	13:45:14	0.098
21099	09/25/2008	13:45:15	0.083
21100	09/25/2008	13:45:16	0.068
21101	09/25/2008	13:45:17	0.065
21102	09/25/2008	13:45:18	0.055
21103	09/25/2008	13:45:19	0.056
21104	09/25/2008	13:45:20	0.064
21105	09/25/2008	13:45:21	0.056
21106	09/25/2008	13:45:22	0.060
21107	09/25/2008	13:45:23	0.056
21108	09/25/2008	13:45:24	0.055

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
21109	09/25/2008	13:45:25	0.056
21110	09/25/2008	13:45:26	0.065
21111	09/25/2008	13:45:27	0.050
21112	09/25/2008	13:45:28	0.057
21113	09/25/2008	13:45:29	0.056
21114	09/25/2008	13:45:30	0.053
21115	09/25/2008	13:45:31	0.063
21116	09/25/2008	13:45:32	0.051
21117	09/25/2008	13:45:33	0.063
21118	09/25/2008	13:45:34	0.055
21119	09/25/2008	13:45:35	0.054
21120	09/25/2008	13:45:36	0.054
21121	09/25/2008	13:45:37	0.063
21122	09/25/2008	13:45:38	0.055
21123	09/25/2008	13:45:39	0.061
21124	09/25/2008	13:45:40	0.062
21125	09/25/2008	13:45:41	0.053
21126	09/25/2008	13:45:42	0.060
21127	09/25/2008	13:45:43	0.058
21128	09/25/2008	13:45:44	0.094
21129	09/25/2008	13:45:45	0.052
21130	09/25/2008	13:45:46	0.070
21131	09/25/2008	13:45:47	0.064
21132	09/25/2008	13:45:48	0.050
21133	09/25/2008	13:45:49	0.058
21134	09/25/2008	13:45:50	0.061
21135	09/25/2008	13:45:51	0.053
21136	09/25/2008	13:45:52	0.052
21137	09/25/2008	13:45:53	0.056
21138	09/25/2008	13:45:54	0.051
21139	09/25/2008	13:45:55	0.067
21140	09/25/2008	13:45:56	0.057
21141	09/25/2008	13:45:57	0.057
21142	09/25/2008	13:45:58	0.057
21143	09/25/2008	13:45:59	0.058
21144	09/25/2008	13:46:00	0.056
21145	09/25/2008	13:46:01	0.058
21146	09/25/2008	13:46:02	0.069
21147	09/25/2008	13:46:03	0.059
21148	09/25/2008	13:46:04	0.057
21149	09/25/2008	13:46:05	0.057
21150	09/25/2008	13:46:06	0.051
21151	09/25/2008	13:46:07	0.057
21152	09/25/2008	13:46:08	0.052
21153	09/25/2008	13:46:09	0.053
21154	09/25/2008	13:46:10	0.057
21155	09/25/2008	13:46:11	0.060
21156	09/25/2008	13:46:12	0.064
21157	09/25/2008	13:46:13	0.060
21158	09/25/2008	13:46:14	0.060
21159	09/25/2008	13:46:15	0.061
21160	09/25/2008	13:46:16	0.057
21161	09/25/2008	13:46:17	0.067
21162	09/25/2008	13:46:18	0.075
21163	09/25/2008	13:46:19	0.067

# Test 001

Instrument		Data Properties	
Model	Dust Trak	Start Date	09/25/2008
Meter S/N	85202283	Start Time	07:54:28
		Stop Date	09/25/2008
		Stop Time	08:48:28
		Total Time	0:00:54:00
		Logging Interval	60 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	09/25/2008	07:55:28	0.037
2	09/25/2008	07:56:28	0.038
3	09/25/2008	07:57:28	0.036
4	09/25/2008	07:58:28	0.037
5	09/25/2008	07:59:28	0.037
6	09/25/2008	08:00:28	0.035
7	09/25/2008	08:01:28	0.036
8	09/25/2008	08:02:28	0.035
9	09/25/2008	08:03:28	0.035
10	09/25/2008	08:04:28	0.035
11	09/25/2008	08:05:28	0.035
12	09/25/2008	08:06:28	0.035
13	09/25/2008	08:07:28	0.034
14	09/25/2008	08:08:28	0.034
15	09/25/2008	08:09:28	0.035
16	09/25/2008	08:10:28	0.033
17	09/25/2008	08:11:28	0.035
18	09/25/2008	08:12:28	0.035
19	09/25/2008	08:13:28	0.035
20	09/25/2008	08:14:28	0.034
21	09/25/2008	08:15:28	0.034
22	09/25/2008	08:16:28	0.036
23	09/25/2008	08:17:28	0.034
24	09/25/2008	08:18:28	0.034
25	09/25/2008	08:19:28	0.034
26	09/25/2008	08:20:28	0.034
27	09/25/2008	08:21:28	0.037
28	09/25/2008	08:22:28	0.034
29	09/25/2008	08:23:28	0.035
30	09/25/2008	08:24:28	0.034
31	09/25/2008	08:25:28	0.034
32	09/25/2008	08:26:28	0.034
33	09/25/2008	08:27:28	0.034
34	09/25/2008	08:28:28	0.034
35	09/25/2008	08:29:28	0.034
36	09/25/2008	08:30:28	0.034
37	09/25/2008	08:31:28	0.034
38	09/25/2008	08:32:28	0.036
39	09/25/2008	08:33:28	0.033
40	09/25/2008	08:34:28	0.034
41	09/25/2008	08:35:28	0.035
42	09/25/2008	08:36:28	0.034
43	09/25/2008	08:37:28	0.034

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	09/25/2008	08:38:28	0.035
45	09/25/2008	08:39:28	0.046
46	09/25/2008	08:40:28	0.052
47	09/25/2008	08:41:28	0.046
48	09/25/2008	08:42:28	0.038
49	09/25/2008	08:43:28	0.036
50	09/25/2008	08:44:28	0.034
51	09/25/2008	08:45:28	0.033
52	09/25/2008	08:46:28	0.033
53	09/25/2008	08:47:28	0.068
54	09/25/2008	08:48:28	0.038

# Test 002

Instrument		Data Properties	
Model	Dust Trak	Start Date	09/25/2008
Meter S/N	85202283	Start Time	08:49:43
		Stop Date	09/25/2008
		Stop Time	14:09:43
		Total Time	0:05:20:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	09/25/2008	08:54:43	0.035
2	09/25/2008	08:59:43	0.035
3	09/25/2008	09:04:43	0.035
4	09/25/2008	09:09:43	0.034
5	09/25/2008	09:14:43	0.032
6	09/25/2008	09:19:43	0.032
7	09/25/2008	09:24:43	0.031
8	09/25/2008	09:29:43	0.032
9	09/25/2008	09:34:43	0.032
10	09/25/2008	09:39:43	0.031
11	09/25/2008	09:44:43	0.029
12	09/25/2008	09:49:43	0.029
13	09/25/2008	09:54:43	0.029
14	09/25/2008	09:59:43	0.029
15	09/25/2008	10:04:43	0.028
16	09/25/2008	10:09:43	0.028
17	09/25/2008	10:14:43	0.027
18	09/25/2008	10:19:43	0.029
19	09/25/2008	10:24:43	0.026
20	09/25/2008	10:29:43	0.025
21	09/25/2008	10:34:43	0.025
22	09/25/2008	10:39:43	0.024
23	09/25/2008	10:44:43	0.025
24	09/25/2008	10:49:43	0.024
25	09/25/2008	10:54:43	0.026
26	09/25/2008	10:59:43	0.024
27	09/25/2008	11:04:43	0.024
28	09/25/2008	11:09:43	0.023
29	09/25/2008	11:14:43	0.024
30	09/25/2008	11:19:43	0.024
31	09/25/2008	11:24:43	0.024
32	09/25/2008	11:29:43	0.024
33	09/25/2008	11:34:43	0.023
34	09/25/2008	11:39:43	0.024
35	09/25/2008	11:44:43	0.024
36	09/25/2008	11:49:43	0.024
37	09/25/2008	11:54:43	0.025
38	09/25/2008	11:59:43	0.024
39	09/25/2008	12:04:43	0.024
40	09/25/2008	12:09:43	0.024
41	09/25/2008	12:14:43	0.023
42	09/25/2008	12:19:43	0.023
43	09/25/2008	12:24:43	0.023

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	09/25/2008	12:29:43	0.023
45	09/25/2008	12:34:43	0.022
46	09/25/2008	12:39:43	0.023
47	09/25/2008	12:44:43	0.023
48	09/25/2008	12:49:43	0.023
49	09/25/2008	12:54:43	0.023
50	09/25/2008	12:59:43	0.023
51	09/25/2008	13:04:43	0.024
52	09/25/2008	13:09:43	0.024
53	09/25/2008	13:14:43	0.025
54	09/25/2008	13:19:43	0.024
55	09/25/2008	13:24:43	0.024
56	09/25/2008	13:29:43	0.023
57	09/25/2008	13:34:43	0.025
58	09/25/2008	13:39:43	0.024
59	09/25/2008	13:44:43	0.023
60	09/25/2008	13:49:43	0.023
61	09/25/2008	13:54:43	0.022
62	09/25/2008	13:59:43	0.022
63	09/25/2008	14:04:43	0.021
64	09/25/2008	14:09:43	0.022

# Test 003

Instrument		Data Properties	
Model	Dust Trak	Start Date	09/25/2008
Meter S/N	85202283	Start Time	14:11:12
		Stop Date	09/25/2008
		Stop Time	14:46:12
		Total Time	0:00:35:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	09/25/2008	14:16:12	0.021
2	09/25/2008	14:21:12	0.022
3	09/25/2008	14:26:12	0.021
4	09/25/2008	14:31:12	0.021
5	09/25/2008	14:36:12	0.022
6	09/25/2008	14:41:12	0.022
7	09/25/2008	14:46:12	0.021



# Test 002

Instrument		Data Properties	
Model	Dust Trak	Start Date	09/26/2008
Meter S/N	16449	Start Time	08:39:09
		Stop Date	09/26/2008
		Stop Time	15:28:09
		Total Time	0:06:49:00
		Logging Interval	60 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	09/26/2008	08:40:09	0.049
2	09/26/2008	08:41:09	0.055
3	09/26/2008	08:42:09	0.053
4	09/26/2008	08:43:09	0.057
5	09/26/2008	08:44:09	0.054
6	09/26/2008	08:45:09	0.060
7	09/26/2008	08:46:09	0.052
8	09/26/2008	08:47:09	0.066
9	09/26/2008	08:48:09	0.209
10	09/26/2008	08:49:09	0.054
11	09/26/2008	08:50:09	0.043
12	09/26/2008	08:51:09	0.044
13	09/26/2008	08:52:09	0.101
14	09/26/2008	08:53:09	0.250
15	09/26/2008	08:54:09	0.214
16	09/26/2008	08:55:09	0.229
17	09/26/2008	08:56:09	0.106
18	09/26/2008	08:57:09	0.109
19	09/26/2008	08:58:09	0.077
20	09/26/2008	08:59:09	0.053
21	09/26/2008	09:00:09	0.128
22	09/26/2008	09:01:09	0.061
23	09/26/2008	09:02:09	0.040
24	09/26/2008	09:03:09	0.044
25	09/26/2008	09:04:09	0.038
26	09/26/2008	09:05:09	0.299
27	09/26/2008	09:06:09	0.073
28	09/26/2008	09:07:09	0.047
29	09/26/2008	09:08:09	0.067
30	09/26/2008	09:09:09	0.139
31	09/26/2008	09:10:09	0.048
32	09/26/2008	09:11:09	0.104
33	09/26/2008	09:12:09	0.391
34	09/26/2008	09:13:09	0.189
35	09/26/2008	09:14:09	0.052
36	09/26/2008	09:15:09	0.171
37	09/26/2008	09:16:09	0.223
38	09/26/2008	09:17:09	0.054
39	09/26/2008	09:18:09	0.042
40	09/26/2008	09:19:09	0.048
41	09/26/2008	09:20:09	0.068
42	09/26/2008	09:21:09	0.052
43	09/26/2008	09:22:09	0.036

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	09/26/2008	09:23:09	0.034
45	09/26/2008	09:24:09	0.038
46	09/26/2008	09:25:09	0.054
47	09/26/2008	09:26:09	0.042
48	09/26/2008	09:27:09	0.046
49	09/26/2008	09:28:09	0.042
50	09/26/2008	09:29:09	0.058
51	09/26/2008	09:30:09	0.041
52	09/26/2008	09:31:09	0.037
53	09/26/2008	09:32:09	0.050
54	09/26/2008	09:33:09	0.038
55	09/26/2008	09:34:09	0.041
56	09/26/2008	09:35:09	0.058
57	09/26/2008	09:36:09	0.043
58	09/26/2008	09:37:09	0.039
59	09/26/2008	09:38:09	0.040
60	09/26/2008	09:39:09	0.058
61	09/26/2008	09:40:09	0.046
62	09/26/2008	09:41:09	0.047
63	09/26/2008	09:42:09	0.038
64	09/26/2008	09:43:09	0.040
65	09/26/2008	09:44:09	0.049
66	09/26/2008	09:45:09	0.043
67	09/26/2008	09:46:09	0.038
68	09/26/2008	09:47:09	0.056
69	09/26/2008	09:48:09	0.045
70	09/26/2008	09:49:09	0.047
71	09/26/2008	09:50:09	0.036
72	09/26/2008	09:51:09	0.045
73	09/26/2008	09:52:09	0.052
74	09/26/2008	09:53:09	0.042
75	09/26/2008	09:54:09	0.031
76	09/26/2008	09:55:09	0.033
77	09/26/2008	09:56:09	0.038
78	09/26/2008	09:57:09	0.040
79	09/26/2008	09:58:09	0.035
80	09/26/2008	09:59:09	0.034
81	09/26/2008	10:00:09	0.040
82	09/26/2008	10:01:09	0.054
83	09/26/2008	10:02:09	0.033
84	09/26/2008	10:03:09	0.040
85	09/26/2008	10:04:09	0.048
86	09/26/2008	10:05:09	0.045
87	09/26/2008	10:06:09	0.036
88	09/26/2008	10:07:09	0.034
89	09/26/2008	10:08:09	0.035
90	09/26/2008	10:09:09	0.040
91	09/26/2008	10:10:09	0.034
92	09/26/2008	10:11:09	0.035
93	09/26/2008	10:12:09	0.038
94	09/26/2008	10:13:09	0.039
95	09/26/2008	10:14:09	0.037
96	09/26/2008	10:15:09	0.036
97	09/26/2008	10:16:09	0.039
98	09/26/2008	10:17:09	0.038

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
99	09/26/2008	10:18:09	0.033
100	09/26/2008	10:19:09	0.035
101	09/26/2008	10:20:09	0.032
102	09/26/2008	10:21:09	0.032
103	09/26/2008	10:22:09	0.041
104	09/26/2008	10:23:09	0.035
105	09/26/2008	10:24:09	0.032
106	09/26/2008	10:25:09	0.030
107	09/26/2008	10:26:09	0.032
108	09/26/2008	10:27:09	0.031
109	09/26/2008	10:28:09	0.085
110	09/26/2008	10:29:09	0.038
111	09/26/2008	10:30:09	0.035
112	09/26/2008	10:31:09	0.035
113	09/26/2008	10:32:09	0.035
114	09/26/2008	10:33:09	0.037
115	09/26/2008	10:34:09	0.031
116	09/26/2008	10:35:09	0.034
117	09/26/2008	10:36:09	0.031
118	09/26/2008	10:37:09	0.037
119	09/26/2008	10:38:09	0.032
120	09/26/2008	10:39:09	0.033
121	09/26/2008	10:40:09	0.037
122	09/26/2008	10:41:09	0.026
123	09/26/2008	10:42:09	0.032
124	09/26/2008	10:43:09	0.027
125	09/26/2008	10:44:09	0.035
126	09/26/2008	10:45:09	0.032
127	09/26/2008	10:46:09	0.026
128	09/26/2008	10:47:09	0.028
129	09/26/2008	10:48:09	0.026
130	09/26/2008	10:49:09	0.037
131	09/26/2008	10:50:09	0.041
132	09/26/2008	10:51:09	0.038
133	09/26/2008	10:52:09	0.030
134	09/26/2008	10:53:09	0.027
135	09/26/2008	10:54:09	0.025
136	09/26/2008	10:55:09	0.024
137	09/26/2008	10:56:09	0.024
138	09/26/2008	10:57:09	0.026
139	09/26/2008	10:58:09	0.027
140	09/26/2008	10:59:09	0.024
141	09/26/2008	11:00:09	0.026
142	09/26/2008	11:01:09	0.027
143	09/26/2008	11:02:09	0.026
144	09/26/2008	11:03:09	0.027
145	09/26/2008	11:04:09	0.029
146	09/26/2008	11:05:09	0.027
147	09/26/2008	11:06:09	0.026
148	09/26/2008	11:07:09	0.025
149	09/26/2008	11:08:09	0.027
150	09/26/2008	11:09:09	0.030
151	09/26/2008	11:10:09	0.031
152	09/26/2008	11:11:09	0.027
153	09/26/2008	11:12:09	0.026

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
154	09/26/2008	11:13:09	0.047
155	09/26/2008	11:14:09	0.040
156	09/26/2008	11:15:09	0.034
157	09/26/2008	11:16:09	0.024
158	09/26/2008	11:17:09	0.027
159	09/26/2008	11:18:09	0.027
160	09/26/2008	11:19:09	0.029
161	09/26/2008	11:20:09	0.022
162	09/26/2008	11:21:09	0.027
163	09/26/2008	11:22:09	0.031
164	09/26/2008	11:23:09	0.025
165	09/26/2008	11:24:09	0.025
166	09/26/2008	11:25:09	0.031
167	09/26/2008	11:26:09	0.029
168	09/26/2008	11:27:09	0.024
169	09/26/2008	11:28:09	0.027
170	09/26/2008	11:29:09	0.029
171	09/26/2008	11:30:09	0.029
172	09/26/2008	11:31:09	0.055
173	09/26/2008	11:32:09	0.031
174	09/26/2008	11:33:09	0.027
175	09/26/2008	11:34:09	0.030
176	09/26/2008	11:35:09	0.031
177	09/26/2008	11:36:09	0.027
178	09/26/2008	11:37:09	0.027
179	09/26/2008	11:38:09	0.032
180	09/26/2008	11:39:09	0.031
181	09/26/2008	11:40:09	0.027
182	09/26/2008	11:41:09	0.028
183	09/26/2008	11:42:09	0.026
184	09/26/2008	11:43:09	0.036
185	09/26/2008	11:44:09	0.046
186	09/26/2008	11:45:09	0.028
187	09/26/2008	11:46:09	0.029
188	09/26/2008	11:47:09	0.023
189	09/26/2008	11:48:09	0.031
190	09/26/2008	11:49:09	0.025
191	09/26/2008	11:50:09	0.025
192	09/26/2008	11:51:09	0.029
193	09/26/2008	11:52:09	0.042
194	09/26/2008	11:53:09	0.028
195	09/26/2008	11:54:09	0.028
196	09/26/2008	11:55:09	0.027
197	09/26/2008	11:56:09	0.032
198	09/26/2008	11:57:09	0.029
199	09/26/2008	11:58:09	0.033
200	09/26/2008	11:59:09	0.025
201	09/26/2008	12:00:09	0.028
202	09/26/2008	12:01:09	0.025
203	09/26/2008	12:02:09	0.032
204	09/26/2008	12:03:09	0.028
205	09/26/2008	12:04:09	0.027
206	09/26/2008	12:05:09	0.033
207	09/26/2008	12:06:09	0.031
208	09/26/2008	12:07:09	0.027

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
209	09/26/2008	12:08:09	0.026
210	09/26/2008	12:09:09	0.028
211	09/26/2008	12:10:09	0.022
212	09/26/2008	12:11:09	0.021
213	09/26/2008	12:12:09	0.025
214	09/26/2008	12:13:09	0.023
215	09/26/2008	12:14:09	0.025
216	09/26/2008	12:15:09	0.022
217	09/26/2008	12:16:09	0.022
218	09/26/2008	12:17:09	0.021
219	09/26/2008	12:18:09	0.021
220	09/26/2008	12:19:09	0.024
221	09/26/2008	12:20:09	0.027
222	09/26/2008	12:21:09	0.036
223	09/26/2008	12:22:09	0.034
224	09/26/2008	12:23:09	0.028
225	09/26/2008	12:24:09	0.032
226	09/26/2008	12:25:09	0.056
227	09/26/2008	12:26:09	0.033
228	09/26/2008	12:27:09	0.040
229	09/26/2008	12:28:09	0.028
230	09/26/2008	12:29:09	0.039
231	09/26/2008	12:30:09	0.031
232	09/26/2008	12:31:09	0.024
233	09/26/2008	12:32:09	0.023
234	09/26/2008	12:33:09	0.035
235	09/26/2008	12:34:09	0.029
236	09/26/2008	12:35:09	0.025
237	09/26/2008	12:36:09	0.056
238	09/26/2008	12:37:09	0.023
239	09/26/2008	12:38:09	0.022
240	09/26/2008	12:39:09	0.016
241	09/26/2008	12:40:09	0.015
242	09/26/2008	12:41:09	0.018
243	09/26/2008	12:42:09	0.049
244	09/26/2008	12:43:09	0.038
245	09/26/2008	12:44:09	0.020
246	09/26/2008	12:45:09	0.049
247	09/26/2008	12:46:09	0.023
248	09/26/2008	12:47:09	0.023
249	09/26/2008	12:48:09	0.017
250	09/26/2008	12:49:09	0.018
251	09/26/2008	12:50:09	0.025
252	09/26/2008	12:51:09	0.023
253	09/26/2008	12:52:09	0.025
254	09/26/2008	12:53:09	0.032
255	09/26/2008	12:54:09	0.093
256	09/26/2008	12:55:09	0.026
257	09/26/2008	12:56:09	0.028
258	09/26/2008	12:57:09	0.025
259	09/26/2008	12:58:09	0.025
260	09/26/2008	12:59:09	0.026
261	09/26/2008	13:00:09	0.018
262	09/26/2008	13:01:09	0.016
263	09/26/2008	13:02:09	0.017

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
264	09/26/2008	13:03:09	0.015
265	09/26/2008	13:04:09	0.023
266	09/26/2008	13:05:09	0.024
267	09/26/2008	13:06:09	0.033
268	09/26/2008	13:07:09	0.024
269	09/26/2008	13:08:09	0.015
270	09/26/2008	13:09:09	0.016
271	09/26/2008	13:10:09	0.062
272	09/26/2008	13:11:09	0.042
273	09/26/2008	13:12:09	0.119
274	09/26/2008	13:13:09	0.026
275	09/26/2008	13:14:09	0.015
276	09/26/2008	13:15:09	0.015
277	09/26/2008	13:16:09	0.018
278	09/26/2008	13:17:09	0.016
279	09/26/2008	13:18:09	0.024
280	09/26/2008	13:19:09	0.016
281	09/26/2008	13:20:09	0.017
282	09/26/2008	13:21:09	0.015
283	09/26/2008	13:22:09	0.035
284	09/26/2008	13:23:09	0.019
285	09/26/2008	13:24:09	0.015
286	09/26/2008	13:25:09	0.020
287	09/26/2008	13:26:09	0.015
288	09/26/2008	13:27:09	0.018
289	09/26/2008	13:28:09	0.015
290	09/26/2008	13:29:09	0.046
291	09/26/2008	13:30:09	0.026
292	09/26/2008	13:31:09	0.018
293	09/26/2008	13:32:09	0.023
294	09/26/2008	13:33:09	0.019
295	09/26/2008	13:34:09	0.023
296	09/26/2008	13:35:09	0.017
297	09/26/2008	13:36:09	0.013
298	09/26/2008	13:37:09	0.016
299	09/26/2008	13:38:09	0.015
300	09/26/2008	13:39:09	0.015
301	09/26/2008	13:40:09	0.015
302	09/26/2008	13:41:09	0.024
303	09/26/2008	13:42:09	0.021
304	09/26/2008	13:43:09	0.019
305	09/26/2008	13:44:09	0.019
306	09/26/2008	13:45:09	0.021
307	09/26/2008	13:46:09	0.019
308	09/26/2008	13:47:09	0.029
309	09/26/2008	13:48:09	0.029
310	09/26/2008	13:49:09	0.024
311	09/26/2008	13:50:09	0.022
312	09/26/2008	13:51:09	0.021
313	09/26/2008	13:52:09	0.026
314	09/26/2008	13:53:09	0.023
315	09/26/2008	13:54:09	0.022
316	09/26/2008	13:55:09	0.022
317	09/26/2008	13:56:09	0.021
318	09/26/2008	13:57:09	0.024

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
319	09/26/2008	13:58:09	0.021
320	09/26/2008	13:59:09	0.022
321	09/26/2008	14:00:09	0.020
322	09/26/2008	14:01:09	0.023
323	09/26/2008	14:02:09	0.021
324	09/26/2008	14:03:09	0.020
325	09/26/2008	14:04:09	0.020
326	09/26/2008	14:05:09	0.025
327	09/26/2008	14:06:09	0.021
328	09/26/2008	14:07:09	0.023
329	09/26/2008	14:08:09	0.023
330	09/26/2008	14:09:09	0.021
331	09/26/2008	14:10:09	0.022
332	09/26/2008	14:11:09	0.018
333	09/26/2008	14:12:09	0.019
334	09/26/2008	14:13:09	0.022
335	09/26/2008	14:14:09	0.027
336	09/26/2008	14:15:09	0.021
337	09/26/2008	14:16:09	0.020
338	09/26/2008	14:17:09	0.027
339	09/26/2008	14:18:09	0.022
340	09/26/2008	14:19:09	0.025
341	09/26/2008	14:20:09	0.024
342	09/26/2008	14:21:09	0.032
343	09/26/2008	14:22:09	0.021
344	09/26/2008	14:23:09	0.022
345	09/26/2008	14:24:09	0.021
346	09/26/2008	14:25:09	0.019
347	09/26/2008	14:26:09	0.022
348	09/26/2008	14:27:09	0.025
349	09/26/2008	14:28:09	0.024
350	09/26/2008	14:29:09	0.024
351	09/26/2008	14:30:09	0.021
352	09/26/2008	14:31:09	0.024
353	09/26/2008	14:32:09	0.023
354	09/26/2008	14:33:09	0.024
355	09/26/2008	14:34:09	0.023
356	09/26/2008	14:35:09	0.025
357	09/26/2008	14:36:09	0.021
358	09/26/2008	14:37:09	0.030
359	09/26/2008	14:38:09	0.025
360	09/26/2008	14:39:09	0.022
361	09/26/2008	14:40:09	0.021
362	09/26/2008	14:41:09	0.025
363	09/26/2008	14:42:09	0.020
364	09/26/2008	14:43:09	0.019
365	09/26/2008	14:44:09	0.025
366	09/26/2008	14:45:09	0.022
367	09/26/2008	14:46:09	0.041
368	09/26/2008	14:47:09	0.034
369	09/26/2008	14:48:09	0.026
370	09/26/2008	14:49:09	0.024
371	09/26/2008	14:50:09	0.025
372	09/26/2008	14:51:09	0.025
373	09/26/2008	14:52:09	0.022

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
374	09/26/2008	14:53:09	0.020
375	09/26/2008	14:54:09	0.025
376	09/26/2008	14:55:09	0.057
377	09/26/2008	14:56:09	0.058
378	09/26/2008	14:57:09	0.029
379	09/26/2008	14:58:09	0.036
380	09/26/2008	14:59:09	0.019
381	09/26/2008	15:00:09	0.018
382	09/26/2008	15:01:09	0.018
383	09/26/2008	15:02:09	0.021
384	09/26/2008	15:03:09	0.027
385	09/26/2008	15:04:09	0.045
386	09/26/2008	15:05:09	0.026
387	09/26/2008	15:06:09	0.022
388	09/26/2008	15:07:09	0.020
389	09/26/2008	15:08:09	0.049
390	09/26/2008	15:09:09	0.035
391	09/26/2008	15:10:09	0.017
392	09/26/2008	15:11:09	0.020
393	09/26/2008	15:12:09	0.016
394	09/26/2008	15:13:09	0.036
395	09/26/2008	15:14:09	0.026
396	09/26/2008	15:15:09	0.021
397	09/26/2008	15:16:09	0.019
398	09/26/2008	15:17:09	0.026
399	09/26/2008	15:18:09	0.038
400	09/26/2008	15:19:09	0.024
401	09/26/2008	15:20:09	0.017
402	09/26/2008	15:21:09	0.025
403	09/26/2008	15:22:09	0.020
404	09/26/2008	15:23:09	0.019
405	09/26/2008	15:24:09	0.018
406	09/26/2008	15:25:09	0.018
407	09/26/2008	15:26:09	0.019
408	09/26/2008	15:27:09	0.014
409	09/26/2008	15:28:09	0.016



# Test 004

Instrument		Data Properties	
Model	Dust Trak	Start Date	09/26/2008
Meter S/N	85202283	Start Time	08:37:57
		Stop Date	09/26/2008
		Stop Time	15:25:57
		Total Time	0:06:48:00
		Logging Interval	60 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	09/26/2008	08:38:57	0.018
2	09/26/2008	08:39:57	0.017
3	09/26/2008	08:40:57	0.017
4	09/26/2008	08:41:57	0.018
5	09/26/2008	08:42:57	0.016
6	09/26/2008	08:43:57	0.016
7	09/26/2008	08:44:57	0.017
8	09/26/2008	08:45:57	0.016
9	09/26/2008	08:46:57	0.023
10	09/26/2008	08:47:57	0.017
11	09/26/2008	08:48:57	0.015
12	09/26/2008	08:49:57	0.014
13	09/26/2008	08:50:57	0.014
14	09/26/2008	08:51:57	0.015
15	09/26/2008	08:52:57	0.015
16	09/26/2008	08:53:57	0.014
17	09/26/2008	08:54:57	0.013
18	09/26/2008	08:55:57	0.015
19	09/26/2008	08:56:57	0.014
20	09/26/2008	08:57:57	0.014
21	09/26/2008	08:58:57	0.014
22	09/26/2008	08:59:57	0.014
23	09/26/2008	09:00:57	0.013
24	09/26/2008	09:01:57	0.013
25	09/26/2008	09:02:57	0.015
26	09/26/2008	09:03:57	0.014
27	09/26/2008	09:04:57	0.014
28	09/26/2008	09:05:57	0.014
29	09/26/2008	09:06:57	0.014
30	09/26/2008	09:07:57	0.013
31	09/26/2008	09:08:57	0.013
32	09/26/2008	09:09:57	0.013
33	09/26/2008	09:10:57	0.013
34	09/26/2008	09:11:57	0.012
35	09/26/2008	09:12:57	0.012
36	09/26/2008	09:13:57	0.011
37	09/26/2008	09:14:57	0.012
38	09/26/2008	09:15:57	0.013
39	09/26/2008	09:16:57	0.013
40	09/26/2008	09:17:57	0.012
41	09/26/2008	09:18:57	0.011
42	09/26/2008	09:19:57	0.013
43	09/26/2008	09:20:57	0.012

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	09/26/2008	09:21:57	0.014
45	09/26/2008	09:22:57	0.015
46	09/26/2008	09:23:57	0.015
47	09/26/2008	09:24:57	0.016
48	09/26/2008	09:25:57	0.016
49	09/26/2008	09:26:57	0.014
50	09/26/2008	09:27:57	0.014
51	09/26/2008	09:28:57	0.013
52	09/26/2008	09:29:57	0.013
53	09/26/2008	09:30:57	0.012
54	09/26/2008	09:31:57	0.013
55	09/26/2008	09:32:57	0.014
56	09/26/2008	09:33:57	0.014
57	09/26/2008	09:34:57	0.014
58	09/26/2008	09:35:57	0.015
59	09/26/2008	09:36:57	0.014
60	09/26/2008	09:37:57	0.015
61	09/26/2008	09:38:57	0.014
62	09/26/2008	09:39:57	0.014
63	09/26/2008	09:40:57	0.014
64	09/26/2008	09:41:57	0.014
65	09/26/2008	09:42:57	0.013
66	09/26/2008	09:43:57	0.015
67	09/26/2008	09:44:57	0.013
68	09/26/2008	09:45:57	0.014
69	09/26/2008	09:46:57	0.014
70	09/26/2008	09:47:57	0.013
71	09/26/2008	09:48:57	0.013
72	09/26/2008	09:49:57	0.012
73	09/26/2008	09:50:57	0.012
74	09/26/2008	09:51:57	0.012
75	09/26/2008	09:52:57	0.012
76	09/26/2008	09:53:57	0.011
77	09/26/2008	09:54:57	0.013
78	09/26/2008	09:55:57	0.012
79	09/26/2008	09:56:57	0.012
80	09/26/2008	09:57:57	0.011
81	09/26/2008	09:58:57	0.013
82	09/26/2008	09:59:57	0.013
83	09/26/2008	10:00:57	0.012
84	09/26/2008	10:01:57	0.013
85	09/26/2008	10:02:57	0.012
86	09/26/2008	10:03:57	0.012
87	09/26/2008	10:04:57	0.013
88	09/26/2008	10:05:57	0.015
89	09/26/2008	10:06:57	0.013
90	09/26/2008	10:07:57	0.012
91	09/26/2008	10:08:57	0.014
92	09/26/2008	10:09:57	0.012
93	09/26/2008	10:10:57	0.013
94	09/26/2008	10:11:57	0.014
95	09/26/2008	10:12:57	0.014
96	09/26/2008	10:13:57	0.013
97	09/26/2008	10:14:57	0.013
98	09/26/2008	10:15:57	0.013

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
99	09/26/2008	10:16:57	0.012
100	09/26/2008	10:17:57	0.013
101	09/26/2008	10:18:57	0.013
102	09/26/2008	10:19:57	0.013
103	09/26/2008	10:20:57	0.012
104	09/26/2008	10:21:57	0.012
105	09/26/2008	10:22:57	0.012
106	09/26/2008	10:23:57	0.012
107	09/26/2008	10:24:57	0.013
108	09/26/2008	10:25:57	0.024
109	09/26/2008	10:26:57	0.011
110	09/26/2008	10:27:57	0.014
111	09/26/2008	10:28:57	0.012
112	09/26/2008	10:29:57	0.011
113	09/26/2008	10:30:57	0.011
114	09/26/2008	10:31:57	0.012
115	09/26/2008	10:32:57	0.012
116	09/26/2008	10:33:57	0.011
117	09/26/2008	10:34:57	0.012
118	09/26/2008	10:35:57	0.012
119	09/26/2008	10:36:57	0.014
120	09/26/2008	10:37:57	0.012
121	09/26/2008	10:38:57	0.011
122	09/26/2008	10:39:57	0.012
123	09/26/2008	10:40:57	0.011
124	09/26/2008	10:41:57	0.011
125	09/26/2008	10:42:57	0.011
126	09/26/2008	10:43:57	0.011
127	09/26/2008	10:44:57	0.010
128	09/26/2008	10:45:57	0.011
129	09/26/2008	10:46:57	0.010
130	09/26/2008	10:47:57	0.032
131	09/26/2008	10:48:57	0.012
132	09/26/2008	10:49:57	0.009
133	09/26/2008	10:50:57	0.009
134	09/26/2008	10:51:57	0.009
135	09/26/2008	10:52:57	0.010
136	09/26/2008	10:53:57	0.010
137	09/26/2008	10:54:57	0.011
138	09/26/2008	10:55:57	0.010
139	09/26/2008	10:56:57	0.009
140	09/26/2008	10:57:57	0.010
141	09/26/2008	10:58:57	0.009
142	09/26/2008	10:59:57	0.010
143	09/26/2008	11:00:57	0.009
144	09/26/2008	11:01:57	0.011
145	09/26/2008	11:02:57	0.010
146	09/26/2008	11:03:57	0.010
147	09/26/2008	11:04:57	0.009
148	09/26/2008	11:05:57	0.010
149	09/26/2008	11:06:57	0.011
150	09/26/2008	11:07:57	0.012
151	09/26/2008	11:08:57	0.010
152	09/26/2008	11:09:57	0.011
153	09/26/2008	11:10:57	0.026

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
154	09/26/2008	11:11:57	0.011
155	09/26/2008	11:12:57	0.009
156	09/26/2008	11:13:57	0.009
157	09/26/2008	11:14:57	0.010
158	09/26/2008	11:15:57	0.010
159	09/26/2008	11:16:57	0.010
160	09/26/2008	11:17:57	0.010
161	09/26/2008	11:18:57	0.010
162	09/26/2008	11:19:57	0.010
163	09/26/2008	11:20:57	0.009
164	09/26/2008	11:21:57	0.009
165	09/26/2008	11:22:57	0.014
166	09/26/2008	11:23:57	0.012
167	09/26/2008	11:24:57	0.011
168	09/26/2008	11:25:57	0.011
169	09/26/2008	11:26:57	0.011
170	09/26/2008	11:27:57	0.012
171	09/26/2008	11:28:57	0.016
172	09/26/2008	11:29:57	0.012
173	09/26/2008	11:30:57	0.011
174	09/26/2008	11:31:57	0.011
175	09/26/2008	11:32:57	0.011
176	09/26/2008	11:33:57	0.010
177	09/26/2008	11:34:57	0.010
178	09/26/2008	11:35:57	0.012
179	09/26/2008	11:36:57	0.010
180	09/26/2008	11:37:57	0.011
181	09/26/2008	11:38:57	0.011
182	09/26/2008	11:39:57	0.010
183	09/26/2008	11:40:57	0.012
184	09/26/2008	11:41:57	0.010
185	09/26/2008	11:42:57	0.010
186	09/26/2008	11:43:57	0.011
187	09/26/2008	11:44:57	0.010
188	09/26/2008	11:45:57	0.010
189	09/26/2008	11:46:57	0.011
190	09/26/2008	11:47:57	0.010
191	09/26/2008	11:48:57	0.010
192	09/26/2008	11:49:57	0.010
193	09/26/2008	11:50:57	0.011
194	09/26/2008	11:51:57	0.010
195	09/26/2008	11:52:57	0.009
196	09/26/2008	11:53:57	0.010
197	09/26/2008	11:54:57	0.010
198	09/26/2008	11:55:57	0.011
199	09/26/2008	11:56:57	0.011
200	09/26/2008	11:57:57	0.011
201	09/26/2008	11:58:57	0.011
202	09/26/2008	11:59:57	0.012
203	09/26/2008	12:00:57	0.011
204	09/26/2008	12:01:57	0.010
205	09/26/2008	12:02:57	0.013
206	09/26/2008	12:03:57	0.011
207	09/26/2008	12:04:57	0.010
208	09/26/2008	12:05:57	0.010

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
209	09/26/2008	12:06:57	0.012
210	09/26/2008	12:07:57	0.010
211	09/26/2008	12:08:57	0.009
212	09/26/2008	12:09:57	0.009
213	09/26/2008	12:10:57	0.009
214	09/26/2008	12:11:57	0.010
215	09/26/2008	12:12:57	0.009
216	09/26/2008	12:13:57	0.009
217	09/26/2008	12:14:57	0.010
218	09/26/2008	12:15:57	0.009
219	09/26/2008	12:16:57	0.011
220	09/26/2008	12:17:57	0.013
221	09/26/2008	12:18:57	0.020
222	09/26/2008	12:19:57	0.015
223	09/26/2008	12:20:57	0.012
224	09/26/2008	12:21:57	0.014
225	09/26/2008	12:22:57	0.028
226	09/26/2008	12:23:57	0.016
227	09/26/2008	12:24:57	0.014
228	09/26/2008	12:25:57	0.009
229	09/26/2008	12:26:57	0.011
230	09/26/2008	12:27:57	0.012
231	09/26/2008	12:28:57	0.009
232	09/26/2008	12:29:57	0.009
233	09/26/2008	12:30:57	0.008
234	09/26/2008	12:31:57	0.011
235	09/26/2008	12:32:57	0.009
236	09/26/2008	12:33:57	0.012
237	09/26/2008	12:34:57	0.013
238	09/26/2008	12:35:57	0.008
239	09/26/2008	12:36:57	0.008
240	09/26/2008	12:37:57	0.007
241	09/26/2008	12:38:57	0.008
242	09/26/2008	12:39:57	0.007
243	09/26/2008	12:40:57	0.008
244	09/26/2008	12:41:57	0.008
245	09/26/2008	12:42:57	0.008
246	09/26/2008	12:43:57	0.007
247	09/26/2008	12:44:57	0.007
248	09/26/2008	12:45:57	0.008
249	09/26/2008	12:46:57	0.008
250	09/26/2008	12:47:57	0.008
251	09/26/2008	12:48:57	0.008
252	09/26/2008	12:49:57	0.008
253	09/26/2008	12:50:57	0.014
254	09/26/2008	12:51:57	0.026
255	09/26/2008	12:52:57	0.011
256	09/26/2008	12:53:57	0.009
257	09/26/2008	12:54:57	0.008
258	09/26/2008	12:55:57	0.007
259	09/26/2008	12:56:57	0.008
260	09/26/2008	12:57:57	0.008
261	09/26/2008	12:58:57	0.013
262	09/26/2008	12:59:57	0.008
263	09/26/2008	13:00:57	0.007

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
264	09/26/2008	13:01:57	0.025
265	09/26/2008	13:02:57	0.009
266	09/26/2008	13:03:57	0.012
267	09/26/2008	13:04:57	0.010
268	09/26/2008	13:05:57	0.010
269	09/26/2008	13:06:57	0.039
270	09/26/2008	13:07:57	0.050
271	09/26/2008	13:08:57	0.024
272	09/26/2008	13:09:57	0.208
273	09/26/2008	13:10:57	0.070
274	09/26/2008	13:11:57	0.012
275	09/26/2008	13:12:57	0.007
276	09/26/2008	13:13:57	0.012
277	09/26/2008	13:14:57	0.019
278	09/26/2008	13:15:57	0.014
279	09/26/2008	13:16:57	0.011
280	09/26/2008	13:17:57	0.026
281	09/26/2008	13:18:57	0.016
282	09/26/2008	13:19:57	0.033
283	09/26/2008	13:20:57	0.011
284	09/26/2008	13:21:57	0.008
285	09/26/2008	13:22:57	0.012
286	09/26/2008	13:23:57	0.014
287	09/26/2008	13:24:57	0.009
288	09/26/2008	13:25:57	0.008
289	09/26/2008	13:26:57	0.044
290	09/26/2008	13:27:57	0.023
291	09/26/2008	13:28:57	0.023
292	09/26/2008	13:29:57	0.010
293	09/26/2008	13:30:57	0.009
294	09/26/2008	13:31:57	0.010
295	09/26/2008	13:32:57	0.007
296	09/26/2008	13:33:57	0.007
297	09/26/2008	13:34:57	0.007
298	09/26/2008	13:35:57	0.009
299	09/26/2008	13:36:57	0.008
300	09/26/2008	13:37:57	0.007
301	09/26/2008	13:38:57	0.007
302	09/26/2008	13:39:57	0.008
303	09/26/2008	13:40:57	0.009
304	09/26/2008	13:41:57	0.008
305	09/26/2008	13:42:57	0.008
306	09/26/2008	13:43:57	0.010
307	09/26/2008	13:44:57	0.013
308	09/26/2008	13:45:57	0.014
309	09/26/2008	13:46:57	0.011
310	09/26/2008	13:47:57	0.012
311	09/26/2008	13:48:57	0.009
312	09/26/2008	13:49:57	0.009
313	09/26/2008	13:50:57	0.010
314	09/26/2008	13:51:57	0.009
315	09/26/2008	13:52:57	0.010
316	09/26/2008	13:53:57	0.009
317	09/26/2008	13:54:57	0.010
318	09/26/2008	13:55:57	0.010

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
319	09/26/2008	13:56:57	0.009
320	09/26/2008	13:57:57	0.009
321	09/26/2008	13:58:57	0.010
322	09/26/2008	13:59:57	0.009
323	09/26/2008	14:00:57	0.009
324	09/26/2008	14:01:57	0.009
325	09/26/2008	14:02:57	0.010
326	09/26/2008	14:03:57	0.009
327	09/26/2008	14:04:57	0.009
328	09/26/2008	14:05:57	0.010
329	09/26/2008	14:06:57	0.009
330	09/26/2008	14:07:57	0.009
331	09/26/2008	14:08:57	0.009
332	09/26/2008	14:09:57	0.009
333	09/26/2008	14:10:57	0.009
334	09/26/2008	14:11:57	0.010
335	09/26/2008	14:12:57	0.010
336	09/26/2008	14:13:57	0.009
337	09/26/2008	14:14:57	0.010
338	09/26/2008	14:15:57	0.009
339	09/26/2008	14:16:57	0.010
340	09/26/2008	14:17:57	0.010
341	09/26/2008	14:18:57	0.011
342	09/26/2008	14:19:57	0.010
343	09/26/2008	14:20:57	0.010
344	09/26/2008	14:21:57	0.009
345	09/26/2008	14:22:57	0.008
346	09/26/2008	14:23:57	0.010
347	09/26/2008	14:24:57	0.010
348	09/26/2008	14:25:57	0.010
349	09/26/2008	14:26:57	0.011
350	09/26/2008	14:27:57	0.009
351	09/26/2008	14:28:57	0.009
352	09/26/2008	14:29:57	0.010
353	09/26/2008	14:30:57	0.010
354	09/26/2008	14:31:57	0.009
355	09/26/2008	14:32:57	0.011
356	09/26/2008	14:33:57	0.010
357	09/26/2008	14:34:57	0.012
358	09/26/2008	14:35:57	0.011
359	09/26/2008	14:36:57	0.010
360	09/26/2008	14:37:57	0.010
361	09/26/2008	14:38:57	0.010
362	09/26/2008	14:39:57	0.010
363	09/26/2008	14:40:57	0.009
364	09/26/2008	14:41:57	0.011
365	09/26/2008	14:42:57	0.011
366	09/26/2008	14:43:57	0.016
367	09/26/2008	14:44:57	0.017
368	09/26/2008	14:45:57	0.012
369	09/26/2008	14:46:57	0.011
370	09/26/2008	14:47:57	0.011
371	09/26/2008	14:48:57	0.011
372	09/26/2008	14:49:57	0.010
373	09/26/2008	14:50:57	0.010

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
374	09/26/2008	14:51:57	0.010
375	09/26/2008	14:52:57	0.024
376	09/26/2008	14:53:57	0.016
377	09/26/2008	14:54:57	0.014
378	09/26/2008	14:55:57	0.009
379	09/26/2008	14:56:57	0.008
380	09/26/2008	14:57:57	0.009
381	09/26/2008	14:58:57	0.008
382	09/26/2008	14:59:57	0.008
383	09/26/2008	15:00:57	0.009
384	09/26/2008	15:01:57	0.017
385	09/26/2008	15:02:57	0.012
386	09/26/2008	15:03:57	0.011
387	09/26/2008	15:04:57	0.008
388	09/26/2008	15:05:57	0.026
389	09/26/2008	15:06:57	0.010
390	09/26/2008	15:07:57	0.008
391	09/26/2008	15:08:57	0.009
392	09/26/2008	15:09:57	0.008
393	09/26/2008	15:10:57	0.010
394	09/26/2008	15:11:57	0.009
395	09/26/2008	15:12:57	0.009
396	09/26/2008	15:13:57	0.008
397	09/26/2008	15:14:57	0.011
398	09/26/2008	15:15:57	0.015
399	09/26/2008	15:16:57	0.009
400	09/26/2008	15:17:57	0.008
401	09/26/2008	15:18:57	0.009
402	09/26/2008	15:19:57	0.007
403	09/26/2008	15:20:57	0.007
404	09/26/2008	15:21:57	0.009
405	09/26/2008	15:22:57	0.009
406	09/26/2008	15:23:57	0.010
407	09/26/2008	15:24:57	0.007
408	09/26/2008	15:25:57	0.008



# Test 001

MW-13

Instrument		Data Properties	
Model	Dust Trak	Start Date	09/29/2008
Meter S/N	16449	Start Time	09:05:15
		Stop Date	09/29/2008
		Stop Time	15:00:15
		Total Time	0:05:55:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	09/29/2008	09:10:15	0.026
2	09/29/2008	09:15:15	0.028
3	09/29/2008	09:20:15	0.027
4	09/29/2008	09:25:15	0.033
5	09/29/2008	09:30:15	0.044
6	09/29/2008	09:35:15	0.045
7	09/29/2008	09:40:15	0.044
8	09/29/2008	09:45:15	0.042
9	09/29/2008	09:50:15	0.031
10	09/29/2008	09:55:15	0.035
11	09/29/2008	10:00:15	0.037
12	09/29/2008	10:05:15	0.034
13	09/29/2008	10:10:15	0.034
14	09/29/2008	10:15:15	0.036
15	09/29/2008	10:20:15	0.036
16	09/29/2008	10:25:15	0.036
17	09/29/2008	10:30:15	0.027
18	09/29/2008	10:35:15	0.033
19	09/29/2008	10:40:15	0.025
20	09/29/2008	10:45:15	0.019
21	09/29/2008	10:50:15	0.019
22	09/29/2008	10:55:15	0.019
23	09/29/2008	11:00:15	0.019
24	09/29/2008	11:05:15	0.019
25	09/29/2008	11:10:15	0.017
26	09/29/2008	11:15:15	0.017
27	09/29/2008	11:20:15	0.016
28	09/29/2008	11:25:15	0.015
29	09/29/2008	11:30:15	0.016
30	09/29/2008	11:35:15	0.016
31	09/29/2008	11:40:15	0.014
32	09/29/2008	11:45:15	0.012
33	09/29/2008	11:50:15	0.015
34	09/29/2008	11:55:15	0.019
35	09/29/2008	12:00:15	0.021
36	09/29/2008	12:05:15	0.027
37	09/29/2008	12:10:15	0.018
38	09/29/2008	12:15:15	0.014
39	09/29/2008	12:20:15	0.015
40	09/29/2008	12:25:15	0.013
41	09/29/2008	12:30:15	0.014
42	09/29/2008	12:35:15	0.014

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
43	09/29/2008	12:40:15	0.014
44	09/29/2008	12:45:15	0.014
45	09/29/2008	12:50:15	0.017
46	09/29/2008	12:55:15	0.016
47	09/29/2008	13:00:15	0.017
48	09/29/2008	13:05:15	0.016
49	09/29/2008	13:10:15	0.016
50	09/29/2008	13:15:15	0.016
51	09/29/2008	13:20:15	0.016
52	09/29/2008	13:25:15	0.016
53	09/29/2008	13:30:15	0.016
54	09/29/2008	13:35:15	0.020
55	09/29/2008	13:40:15	0.033
56	09/29/2008	13:45:15	0.027
57	09/29/2008	13:50:15	0.030
58	09/29/2008	13:55:15	0.041
59	09/29/2008	14:00:15	0.045
60	09/29/2008	14:05:15	0.044
61	09/29/2008	14:10:15	0.032
62	09/29/2008	14:15:15	0.038
63	09/29/2008	14:20:15	0.032
64	09/29/2008	14:25:15	0.037
65	09/29/2008	14:30:15	0.053
66	09/29/2008	14:35:15	0.065
67	09/29/2008	14:40:15	0.061
68	09/29/2008	14:45:15	0.042
69	09/29/2008	14:50:15	0.032
70	09/29/2008	14:55:15	0.030
71	09/29/2008	15:00:15	0.030

# Test 002

MW-14

Instrument		Data Properties	
Model	Dust Trak	Start Date	09/29/2008
Meter S/N	16449	Start Time	15:15:32
		Stop Date	09/29/2008
		Stop Time	16:55:32
		Total Time	0:01:40:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	09/29/2008	15:20:32	0.050
2	09/29/2008	15:25:32	0.046
3	09/29/2008	15:30:32	0.053
4	09/29/2008	15:35:32	0.060
5	09/29/2008	15:40:32	0.057
6	09/29/2008	15:45:32	0.055
7	09/29/2008	15:50:32	0.060
8	09/29/2008	15:55:32	0.039
9	09/29/2008	16:00:32	0.040
10	09/29/2008	16:05:32	0.043
11	09/29/2008	16:10:32	0.076
12	09/29/2008	16:15:32	0.062
13	09/29/2008	16:20:32	0.061
14	09/29/2008	16:25:32	0.060
15	09/29/2008	16:30:32	0.062
16	09/29/2008	16:35:32	0.060
17	09/29/2008	16:40:32	0.061
18	09/29/2008	16:45:32	0.063
19	09/29/2008	16:50:32	0.054
20	09/29/2008	16:55:32	0.053

# Test 001

MW-13

Instrument		Data Properties	
Model	Dust Trak	Start Date	09/29/2008
Meter S/N	85202283	Start Time	09:01:39
		Stop Date	09/29/2008
		Stop Time	15:01:39
		Total Time	0:06:00:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	09/29/2008	09:06:39	0.009
2	09/29/2008	09:11:39	0.010
3	09/29/2008	09:16:39	0.009
4	09/29/2008	09:21:39	0.009
5	09/29/2008	09:26:39	0.016
6	09/29/2008	09:31:39	0.015
7	09/29/2008	09:36:39	0.015
8	09/29/2008	09:41:39	0.017
9	09/29/2008	09:46:39	0.011
10	09/29/2008	09:51:39	0.012
11	09/29/2008	09:56:39	0.016
12	09/29/2008	10:01:39	0.012
13	09/29/2008	10:06:39	0.013
14	09/29/2008	10:11:39	0.009
15	09/29/2008	10:16:39	0.016
16	09/29/2008	10:21:39	0.013
17	09/29/2008	10:26:39	0.011
18	09/29/2008	10:31:39	0.011
19	09/29/2008	10:36:39	0.009
20	09/29/2008	10:41:39	0.007
21	09/29/2008	10:46:39	0.008
22	09/29/2008	10:51:39	0.006
23	09/29/2008	10:56:39	0.007
24	09/29/2008	11:01:39	0.007
25	09/29/2008	11:06:39	0.006
26	09/29/2008	11:11:39	0.007
27	09/29/2008	11:16:39	0.006
28	09/29/2008	11:21:39	0.005
29	09/29/2008	11:26:39	0.006
30	09/29/2008	11:31:39	0.006
31	09/29/2008	11:36:39	0.005
32	09/29/2008	11:41:39	0.005
33	09/29/2008	11:46:39	0.005
34	09/29/2008	11:51:39	0.006
35	09/29/2008	11:56:39	0.007
36	09/29/2008	12:01:39	0.008
37	09/29/2008	12:06:39	0.010
38	09/29/2008	12:11:39	0.005
39	09/29/2008	12:16:39	0.006
40	09/29/2008	12:21:39	0.005
41	09/29/2008	12:26:39	0.005
42	09/29/2008	12:31:39	0.006

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
43	09/29/2008	12:36:39	0.005
44	09/29/2008	12:41:39	0.006
45	09/29/2008	12:46:39	0.005
46	09/29/2008	12:51:39	0.006
47	09/29/2008	12:56:39	0.006
48	09/29/2008	13:01:39	0.006
49	09/29/2008	13:06:39	0.006
50	09/29/2008	13:11:39	0.007
51	09/29/2008	13:16:39	0.008
52	09/29/2008	13:21:39	0.006
53	09/29/2008	13:26:39	0.006
54	09/29/2008	13:31:39	0.007
55	09/29/2008	13:36:39	0.012
56	09/29/2008	13:41:39	0.011
57	09/29/2008	13:46:39	0.010
58	09/29/2008	13:51:39	0.014
59	09/29/2008	13:56:39	0.016
60	09/29/2008	14:01:39	0.017
61	09/29/2008	14:06:39	0.013
62	09/29/2008	14:11:39	0.013
63	09/29/2008	14:16:39	0.012
64	09/29/2008	14:21:39	0.013
65	09/29/2008	14:26:39	0.018
66	09/29/2008	14:31:39	0.024
67	09/29/2008	14:36:39	0.024
68	09/29/2008	14:41:39	0.018
69	09/29/2008	14:46:39	0.013
70	09/29/2008	14:51:39	0.012
71	09/29/2008	14:56:39	0.011
72	09/29/2008	15:01:39	0.011

# Test 002

MW-14

Instrument		Data Properties	
Model	Dust Trak	Start Date	09/29/2008
Meter S/N	85202283	Start Time	15:11:19
		Stop Date	09/29/2008
		Stop Time	16:56:19
		Total Time	0:01:45:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	09/29/2008	15:16:19	0.215
2	09/29/2008	15:21:19	0.022
3	09/29/2008	15:26:19	0.026
4	09/29/2008	15:31:19	0.030
5	09/29/2008	15:36:19	0.028
6	09/29/2008	15:41:19	0.022
7	09/29/2008	15:46:19	0.024
8	09/29/2008	15:51:19	0.019
9	09/29/2008	15:56:19	0.016
10	09/29/2008	16:01:19	0.016
11	09/29/2008	16:06:19	0.020
12	09/29/2008	16:11:19	0.027
13	09/29/2008	16:16:19	0.024
14	09/29/2008	16:21:19	0.023
15	09/29/2008	16:26:19	0.029
16	09/29/2008	16:31:19	0.023
17	09/29/2008	16:36:19	0.031
18	09/29/2008	16:41:19	0.022
19	09/29/2008	16:46:19	0.022
20	09/29/2008	16:51:19	0.021
21	09/29/2008	16:56:19	0.016

# Test 003

Instrument		Data Properties	
Model	Dust Trak	Start Date	10/01/2008
Meter S/N	85202283	Start Time	09:06:57
		Stop Date	10/01/2008
		Stop Time	15:56:57
		Total Time	0:06:50:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	10/01/2008	09:11:57	0.020
2	10/01/2008	09:16:57	0.023
3	10/01/2008	09:21:57	0.021
4	10/01/2008	09:26:57	0.020
5	10/01/2008	09:31:57	0.019
6	10/01/2008	09:36:57	0.019
7	10/01/2008	09:41:57	0.019
8	10/01/2008	09:46:57	0.019
9	10/01/2008	09:51:57	0.018
10	10/01/2008	09:56:57	0.018
11	10/01/2008	10:01:57	0.020
12	10/01/2008	10:06:57	0.019
13	10/01/2008	10:11:57	0.020
14	10/01/2008	10:16:57	0.019
15	10/01/2008	10:21:57	0.019
16	10/01/2008	10:26:57	0.020
17	10/01/2008	10:31:57	0.021
18	10/01/2008	10:36:57	0.018
19	10/01/2008	10:41:57	0.017
20	10/01/2008	10:46:57	0.017
21	10/01/2008	10:51:57	0.017
22	10/01/2008	10:56:57	0.017
23	10/01/2008	11:01:57	0.018
24	10/01/2008	11:06:57	0.019
25	10/01/2008	11:11:57	0.018
26	10/01/2008	11:16:57	0.018
27	10/01/2008	11:21:57	0.018
28	10/01/2008	11:26:57	0.019
29	10/01/2008	11:31:57	0.016
30	10/01/2008	11:36:57	0.015
31	10/01/2008	11:41:57	0.013
32	10/01/2008	11:46:57	0.013
33	10/01/2008	11:51:57	0.017
34	10/01/2008	11:56:57	0.022
35	10/01/2008	12:01:57	0.022
36	10/01/2008	12:06:57	0.019
37	10/01/2008	12:11:57	0.015
38	10/01/2008	12:16:57	0.013
39	10/01/2008	12:21:57	0.012
40	10/01/2008	12:26:57	0.012
41	10/01/2008	12:31:57	0.013
42	10/01/2008	12:36:57	0.017
43	10/01/2008	12:41:57	0.019

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	10/01/2008	12:46:57	0.020
45	10/01/2008	12:51:57	0.015
46	10/01/2008	12:56:57	0.011
47	10/01/2008	13:01:57	0.008
48	10/01/2008	13:06:57	0.010
49	10/01/2008	13:11:57	0.010
50	10/01/2008	13:16:57	0.010
51	10/01/2008	13:21:57	0.010
52	10/01/2008	13:26:57	0.009
53	10/01/2008	13:31:57	0.008
54	10/01/2008	13:36:57	0.007
55	10/01/2008	13:41:57	0.008
56	10/01/2008	13:46:57	0.010
57	10/01/2008	13:51:57	0.012
58	10/01/2008	13:56:57	0.009
59	10/01/2008	14:01:57	0.010
60	10/01/2008	14:06:57	0.011
61	10/01/2008	14:11:57	0.014
62	10/01/2008	14:16:57	0.014
63	10/01/2008	14:21:57	0.013
64	10/01/2008	14:26:57	0.009
65	10/01/2008	14:31:57	0.011
66	10/01/2008	14:36:57	0.009
67	10/01/2008	14:41:57	0.007
68	10/01/2008	14:46:57	0.006
69	10/01/2008	14:51:57	0.006
70	10/01/2008	14:56:57	0.007
71	10/01/2008	15:01:57	0.007
72	10/01/2008	15:06:57	0.006
73	10/01/2008	15:11:57	0.006
74	10/01/2008	15:16:57	0.005
75	10/01/2008	15:21:57	0.003
76	10/01/2008	15:26:57	0.004
77	10/01/2008	15:31:57	0.004
78	10/01/2008	15:36:57	0.004
79	10/01/2008	15:41:57	0.004
80	10/01/2008	15:46:57	0.004
81	10/01/2008	15:51:57	0.005
82	10/01/2008	15:56:57	0.008



# Test 001

Instrument		Data Properties	
Model	Dust Trak	Start Date	10/01/2008
Meter S/N	16449	Start Time	09:06:16
		Stop Date	10/01/2008
		Stop Time	16:01:16
		Total Time	0:06:55:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	10/01/2008	09:11:16	0.048
2	10/01/2008	09:16:16	0.056
3	10/01/2008	09:21:16	0.058
4	10/01/2008	09:26:16	0.056
5	10/01/2008	09:31:16	0.053
6	10/01/2008	09:36:16	0.053
7	10/01/2008	09:41:16	0.050
8	10/01/2008	09:46:16	0.050
9	10/01/2008	09:51:16	0.051
10	10/01/2008	09:56:16	0.051
11	10/01/2008	10:01:16	0.052
12	10/01/2008	10:06:16	0.055
13	10/01/2008	10:11:16	0.053
14	10/01/2008	10:16:16	0.059
15	10/01/2008	10:21:16	0.084
16	10/01/2008	10:26:16	0.049
17	10/01/2008	10:31:16	0.052
18	10/01/2008	10:36:16	0.055
19	10/01/2008	10:41:16	0.048
20	10/01/2008	10:46:16	0.045
21	10/01/2008	10:51:16	0.046
22	10/01/2008	10:56:16	0.063
23	10/01/2008	11:01:16	0.076
24	10/01/2008	11:06:16	0.051
25	10/01/2008	11:11:16	0.050
26	10/01/2008	11:16:16	0.047
27	10/01/2008	11:21:16	0.047
28	10/01/2008	11:26:16	0.052
29	10/01/2008	11:31:16	0.068
30	10/01/2008	11:36:16	0.051
31	10/01/2008	11:41:16	0.039
32	10/01/2008	11:46:16	0.037
33	10/01/2008	11:51:16	0.037
34	10/01/2008	11:56:16	0.042
35	10/01/2008	12:01:16	0.050
36	10/01/2008	12:06:16	0.051
37	10/01/2008	12:11:16	0.051
38	10/01/2008	12:16:16	0.036
39	10/01/2008	12:21:16	0.034
40	10/01/2008	12:26:16	0.031
41	10/01/2008	12:31:16	0.041
42	10/01/2008	12:36:16	0.062
43	10/01/2008	12:41:16	0.051

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	10/01/2008	12:46:16	0.054
45	10/01/2008	12:51:16	0.056
46	10/01/2008	12:56:16	0.042
47	10/01/2008	13:01:16	0.026
48	10/01/2008	13:06:16	0.027
49	10/01/2008	13:11:16	0.030
50	10/01/2008	13:16:16	0.029
51	10/01/2008	13:21:16	0.028
52	10/01/2008	13:26:16	0.027
53	10/01/2008	13:31:16	0.023
54	10/01/2008	13:36:16	0.021
55	10/01/2008	13:41:16	0.020
56	10/01/2008	13:46:16	0.024
57	10/01/2008	13:51:16	0.026
58	10/01/2008	13:56:16	0.027
59	10/01/2008	14:01:16	0.026
60	10/01/2008	14:06:16	0.030
61	10/01/2008	14:11:16	0.035
62	10/01/2008	14:16:16	0.036
63	10/01/2008	14:21:16	0.059
64	10/01/2008	14:26:16	0.045
65	10/01/2008	14:31:16	0.033
66	10/01/2008	14:36:16	0.052
67	10/01/2008	14:41:16	0.031
68	10/01/2008	14:46:16	0.024
69	10/01/2008	14:51:16	0.017
70	10/01/2008	14:56:16	0.020
71	10/01/2008	15:01:16	0.019
72	10/01/2008	15:06:16	0.019
73	10/01/2008	15:11:16	0.017
74	10/01/2008	15:16:16	0.017
75	10/01/2008	15:21:16	0.017
76	10/01/2008	15:26:16	0.011
77	10/01/2008	15:31:16	0.012
78	10/01/2008	15:36:16	0.012
79	10/01/2008	15:41:16	0.012
80	10/01/2008	15:46:16	0.012
81	10/01/2008	15:51:16	0.011
82	10/01/2008	15:56:16	0.014
83	10/01/2008	16:01:16	0.019

# Test 004

Instrument		Data Properties	
Model	Dust Trak	Start Date	10/02/2008
Meter S/N	85202283	Start Time	08:44:24
		Stop Date	10/02/2008
		Stop Time	15:24:24
		Total Time	0:06:40:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	10/02/2008	08:49:24	0.018
2	10/02/2008	08:54:24	0.016
3	10/02/2008	08:59:24	0.016
4	10/02/2008	09:04:24	0.016
5	10/02/2008	09:09:24	0.015
6	10/02/2008	09:14:24	0.015
7	10/02/2008	09:19:24	0.014
8	10/02/2008	09:24:24	0.015
9	10/02/2008	09:29:24	0.014
10	10/02/2008	09:34:24	0.013
11	10/02/2008	09:39:24	0.012
12	10/02/2008	09:44:24	0.033
13	10/02/2008	09:49:24	0.008
14	10/02/2008	09:54:24	0.006
15	10/02/2008	09:59:24	0.005
16	10/02/2008	10:04:24	0.005
17	10/02/2008	10:09:24	0.005
18	10/02/2008	10:14:24	0.006
19	10/02/2008	10:19:24	0.005
20	10/02/2008	10:24:24	0.006
21	10/02/2008	10:29:24	0.005
22	10/02/2008	10:34:24	0.005
23	10/02/2008	10:39:24	0.004
24	10/02/2008	10:44:24	0.004
25	10/02/2008	10:49:24	0.009
26	10/02/2008	10:54:24	0.003
27	10/02/2008	10:59:24	0.003
28	10/02/2008	11:04:24	0.003
29	10/02/2008	11:09:24	0.003
30	10/02/2008	11:14:24	0.003
31	10/02/2008	11:19:24	0.003
32	10/02/2008	11:24:24	0.003
33	10/02/2008	11:29:24	0.005
34	10/02/2008	11:34:24	0.003
35	10/02/2008	11:39:24	0.003
36	10/02/2008	11:44:24	0.003
37	10/02/2008	11:49:24	0.003
38	10/02/2008	11:54:24	0.003
39	10/02/2008	11:59:24	0.003
40	10/02/2008	12:04:24	0.004
41	10/02/2008	12:09:24	0.003
42	10/02/2008	12:14:24	0.002
43	10/02/2008	12:19:24	0.003

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	10/02/2008	12:24:24	0.003
45	10/02/2008	12:29:24	0.004
46	10/02/2008	12:34:24	0.004
47	10/02/2008	12:39:24	0.003
48	10/02/2008	12:44:24	0.003
49	10/02/2008	12:49:24	0.004
50	10/02/2008	12:54:24	0.003
51	10/02/2008	12:59:24	0.003
52	10/02/2008	13:04:24	0.004
53	10/02/2008	13:09:24	0.003
54	10/02/2008	13:14:24	0.003
55	10/02/2008	13:19:24	0.003
56	10/02/2008	13:24:24	0.003
57	10/02/2008	13:29:24	0.003
58	10/02/2008	13:34:24	0.002
59	10/02/2008	13:39:24	0.002
60	10/02/2008	13:44:24	0.003
61	10/02/2008	13:49:24	0.003
62	10/02/2008	13:54:24	0.003
63	10/02/2008	13:59:24	0.003
64	10/02/2008	14:04:24	0.003
65	10/02/2008	14:09:24	0.004
66	10/02/2008	14:14:24	0.003
67	10/02/2008	14:19:24	0.003
68	10/02/2008	14:24:24	0.004
69	10/02/2008	14:29:24	0.004
70	10/02/2008	14:34:24	0.004
71	10/02/2008	14:39:24	0.003
72	10/02/2008	14:44:24	0.004
73	10/02/2008	14:49:24	0.004
74	10/02/2008	14:54:24	0.004
75	10/02/2008	14:59:24	0.006
76	10/02/2008	15:04:24	0.004
77	10/02/2008	15:09:24	0.003
78	10/02/2008	15:14:24	0.003
79	10/02/2008	15:19:24	0.003
80	10/02/2008	15:24:24	0.005

# Test 002

Instrument		Data Properties	
Model	Dust Trak	Start Date	10/02/2008
Meter S/N	16449	Start Time	08:50:41
		Stop Date	10/02/2008
		Stop Time	15:20:41
		Total Time	0:06:30:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	10/02/2008	08:55:41	0.262
2	10/02/2008	09:00:41	0.122
3	10/02/2008	09:05:41	0.072
4	10/02/2008	09:10:41	0.071
5	10/02/2008	09:15:41	0.053
6	10/02/2008	09:20:41	0.055
7	10/02/2008	09:25:41	0.066
8	10/02/2008	09:30:41	0.063
9	10/02/2008	09:35:41	0.049
10	10/02/2008	09:40:41	0.050
11	10/02/2008	09:45:41	0.045
12	10/02/2008	09:50:41	0.045
13	10/02/2008	09:55:41	0.031
14	10/02/2008	10:00:41	0.031
15	10/02/2008	10:05:41	0.034
16	10/02/2008	10:10:41	0.027
17	10/02/2008	10:15:41	0.034
18	10/02/2008	10:20:41	0.026
19	10/02/2008	10:25:41	0.035
20	10/02/2008	10:30:41	0.028
21	10/02/2008	10:35:41	0.026
22	10/02/2008	10:40:41	0.026
23	10/02/2008	10:45:41	0.020
24	10/02/2008	10:50:41	0.015
25	10/02/2008	10:55:41	0.015
26	10/02/2008	11:00:41	0.015
27	10/02/2008	11:05:41	0.015
28	10/02/2008	11:10:41	0.022
29	10/02/2008	11:15:41	0.019
30	10/02/2008	11:20:41	0.014
31	10/02/2008	11:25:41	0.013
32	10/02/2008	11:30:41	0.014
33	10/02/2008	11:35:41	0.025
34	10/02/2008	11:40:41	0.021
35	10/02/2008	11:45:41	0.021
36	10/02/2008	11:50:41	0.019
37	10/02/2008	11:55:41	0.019
38	10/02/2008	12:00:41	0.019
39	10/02/2008	12:05:41	0.027
40	10/02/2008	12:10:41	0.023
41	10/02/2008	12:15:41	0.018
42	10/02/2008	12:20:41	0.016
43	10/02/2008	12:25:41	0.013

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	10/02/2008	12:30:41	0.016
45	10/02/2008	12:35:41	0.016
46	10/02/2008	12:40:41	0.012
47	10/02/2008	12:45:41	0.012
48	10/02/2008	12:50:41	0.014
49	10/02/2008	12:55:41	0.012
50	10/02/2008	13:00:41	0.011
51	10/02/2008	13:05:41	0.026
52	10/02/2008	13:10:41	0.023
53	10/02/2008	13:15:41	0.019
54	10/02/2008	13:20:41	0.014
55	10/02/2008	13:25:41	0.015
56	10/02/2008	13:30:41	0.012
57	10/02/2008	13:35:41	0.016
58	10/02/2008	13:40:41	0.015
59	10/02/2008	13:45:41	0.010
60	10/02/2008	13:50:41	0.010
61	10/02/2008	13:55:41	0.012
62	10/02/2008	14:00:41	0.010
63	10/02/2008	14:05:41	0.011
64	10/02/2008	14:10:41	0.011
65	10/02/2008	14:15:41	0.010
66	10/02/2008	14:20:41	0.010
67	10/02/2008	14:25:41	0.012
68	10/02/2008	14:30:41	0.012
69	10/02/2008	14:35:41	0.012
70	10/02/2008	14:40:41	0.009
71	10/02/2008	14:45:41	0.009
72	10/02/2008	14:50:41	0.012
73	10/02/2008	14:55:41	0.012
74	10/02/2008	15:00:41	0.015
75	10/02/2008	15:05:41	0.011
76	10/02/2008	15:10:41	0.010
77	10/02/2008	15:15:41	0.011
78	10/02/2008	15:20:41	0.010

# Test 001

Instrument		Data Properties	
Model	Dust Trak	Start Date	03/17/2011
Meter S/N	85200174	Start Time	09:07:00
		Stop Date	03/17/2011
		Stop Time	12:09:00
		Total Time	0:03:02:00
		Logging Interval	60 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	03/17/2011	09:08:00	0.061
2	03/17/2011	09:09:00	0.059
3	03/17/2011	09:10:00	0.059
4	03/17/2011	09:11:00	0.058
5	03/17/2011	09:12:00	0.059
6	03/17/2011	09:13:00	0.059
7	03/17/2011	09:14:00	0.059
8	03/17/2011	09:15:00	0.059
9	03/17/2011	09:16:00	0.059
10	03/17/2011	09:17:00	0.059
11	03/17/2011	09:18:00	0.059
12	03/17/2011	09:19:00	0.059
13	03/17/2011	09:20:00	0.060
14	03/17/2011	09:21:00	0.060
15	03/17/2011	09:22:00	0.058
16	03/17/2011	09:23:00	0.058
17	03/17/2011	09:24:00	0.059
18	03/17/2011	09:25:00	0.058
19	03/17/2011	09:26:00	0.058
20	03/17/2011	09:27:00	0.059
21	03/17/2011	09:28:00	0.059
22	03/17/2011	09:29:00	0.058
23	03/17/2011	09:30:00	0.058
24	03/17/2011	09:31:00	0.059
25	03/17/2011	09:32:00	0.059
26	03/17/2011	09:33:00	0.059
27	03/17/2011	09:34:00	0.059
28	03/17/2011	09:35:00	0.059
29	03/17/2011	09:36:00	0.059
30	03/17/2011	09:37:00	0.059
31	03/17/2011	09:38:00	0.059
32	03/17/2011	09:39:00	0.059
33	03/17/2011	09:40:00	0.059
34	03/17/2011	09:41:00	0.059
35	03/17/2011	09:42:00	0.059
36	03/17/2011	09:43:00	0.058
37	03/17/2011	09:44:00	0.059
38	03/17/2011	09:45:00	0.058
39	03/17/2011	09:46:00	0.058
40	03/17/2011	09:47:00	0.058
41	03/17/2011	09:48:00	0.058
42	03/17/2011	09:49:00	0.058
43	03/17/2011	09:50:00	0.058

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	03/17/2011	09:51:00	0.059
45	03/17/2011	09:52:00	0.059
46	03/17/2011	09:53:00	0.058
47	03/17/2011	09:54:00	0.058
48	03/17/2011	09:55:00	0.058
49	03/17/2011	09:56:00	0.058
50	03/17/2011	09:57:00	0.059
51	03/17/2011	09:58:00	0.058
52	03/17/2011	09:59:00	0.057
53	03/17/2011	10:00:00	0.059
54	03/17/2011	10:01:00	0.058
55	03/17/2011	10:02:00	0.058
56	03/17/2011	10:03:00	0.059
57	03/17/2011	10:04:00	0.058
58	03/17/2011	10:05:00	0.058
59	03/17/2011	10:06:00	0.059
60	03/17/2011	10:07:00	0.059
61	03/17/2011	10:08:00	0.059
62	03/17/2011	10:09:00	0.058
63	03/17/2011	10:10:00	0.058
64	03/17/2011	10:11:00	0.058
65	03/17/2011	10:12:00	0.058
66	03/17/2011	10:13:00	0.059
67	03/17/2011	10:14:00	0.059
68	03/17/2011	10:15:00	0.058
69	03/17/2011	10:16:00	0.058
70	03/17/2011	10:17:00	0.058
71	03/17/2011	10:18:00	0.059
72	03/17/2011	10:19:00	0.058
73	03/17/2011	10:20:00	0.058
74	03/17/2011	10:21:00	0.058
75	03/17/2011	10:22:00	0.058
76	03/17/2011	10:23:00	0.058
77	03/17/2011	10:24:00	0.058
78	03/17/2011	10:25:00	0.059
79	03/17/2011	10:26:00	0.059
80	03/17/2011	10:27:00	0.059
81	03/17/2011	10:28:00	0.058
82	03/17/2011	10:29:00	0.057
83	03/17/2011	10:30:00	0.057
84	03/17/2011	10:31:00	0.057
85	03/17/2011	10:32:00	0.058
86	03/17/2011	10:33:00	0.057
87	03/17/2011	10:34:00	0.057
88	03/17/2011	10:35:00	0.058
89	03/17/2011	10:36:00	0.057
90	03/17/2011	10:37:00	0.057
91	03/17/2011	10:38:00	0.056
92	03/17/2011	10:39:00	0.057
93	03/17/2011	10:40:00	0.057
94	03/17/2011	10:41:00	0.056
95	03/17/2011	10:42:00	0.057
96	03/17/2011	10:43:00	0.056
97	03/17/2011	10:44:00	0.056
98	03/17/2011	10:45:00	0.056



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
99	03/17/2011	10:46:00	0.056
100	03/17/2011	10:47:00	0.057
101	03/17/2011	10:48:00	0.056
102	03/17/2011	10:49:00	0.055
103	03/17/2011	10:50:00	0.056
104	03/17/2011	10:51:00	0.056
105	03/17/2011	10:52:00	0.056
106	03/17/2011	10:53:00	0.056
107	03/17/2011	10:54:00	0.056
108	03/17/2011	10:55:00	0.057
109	03/17/2011	10:56:00	0.056
110	03/17/2011	10:57:00	0.056
111	03/17/2011	10:58:00	0.055
112	03/17/2011	10:59:00	0.055
113	03/17/2011	11:00:00	0.056
114	03/17/2011	11:01:00	0.057
115	03/17/2011	11:02:00	0.055
116	03/17/2011	11:03:00	0.056
117	03/17/2011	11:04:00	0.056
118	03/17/2011	11:05:00	0.056
119	03/17/2011	11:06:00	0.055
120	03/17/2011	11:07:00	0.055
121	03/17/2011	11:08:00	0.055
122	03/17/2011	11:09:00	0.054
123	03/17/2011	11:10:00	0.054
124	03/17/2011	11:11:00	0.054
125	03/17/2011	11:12:00	0.054
126	03/17/2011	11:13:00	0.054
127	03/17/2011	11:14:00	0.054
128	03/17/2011	11:15:00	0.054
129	03/17/2011	11:16:00	0.054
130	03/17/2011	11:17:00	0.055
131	03/17/2011	11:18:00	0.055
132	03/17/2011	11:19:00	0.054
133	03/17/2011	11:20:00	0.054
134	03/17/2011	11:21:00	0.055
135	03/17/2011	11:22:00	0.054
136	03/17/2011	11:23:00	0.054
137	03/17/2011	11:24:00	0.054
138	03/17/2011	11:25:00	0.054
139	03/17/2011	11:26:00	0.054
140	03/17/2011	11:27:00	0.054
141	03/17/2011	11:28:00	0.054
142	03/17/2011	11:29:00	0.053
143	03/17/2011	11:30:00	0.053
144	03/17/2011	11:31:00	0.053
145	03/17/2011	11:32:00	0.054
146	03/17/2011	11:33:00	0.054
147	03/17/2011	11:34:00	0.053
148	03/17/2011	11:35:00	0.054
149	03/17/2011	11:36:00	0.054
150	03/17/2011	11:37:00	0.054
151	03/17/2011	11:38:00	0.054
152	03/17/2011	11:39:00	0.054
153	03/17/2011	11:40:00	0.054

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
154	03/17/2011	11:41:00	0.054
155	03/17/2011	11:42:00	0.054
156	03/17/2011	11:43:00	0.054
157	03/17/2011	11:44:00	0.054
158	03/17/2011	11:45:00	0.054
159	03/17/2011	11:46:00	0.054
160	03/17/2011	11:47:00	0.053
161	03/17/2011	11:48:00	0.052
162	03/17/2011	11:49:00	0.054
163	03/17/2011	11:50:00	0.053
164	03/17/2011	11:51:00	0.055
165	03/17/2011	11:52:00	0.053
166	03/17/2011	11:53:00	0.053
167	03/17/2011	11:54:00	0.053
168	03/17/2011	11:55:00	0.053
169	03/17/2011	11:56:00	0.054
170	03/17/2011	11:57:00	0.053
171	03/17/2011	11:58:00	0.054
172	03/17/2011	11:59:00	0.053
173	03/17/2011	12:00:00	0.053
174	03/17/2011	12:01:00	0.053
175	03/17/2011	12:02:00	0.054
176	03/17/2011	12:03:00	0.053
177	03/17/2011	12:04:00	0.053
178	03/17/2011	12:05:00	0.052
179	03/17/2011	12:06:00	0.053
180	03/17/2011	12:07:00	0.053
181	03/17/2011	12:08:00	0.054
182	03/17/2011	12:09:00	0.053

# Test 002

Instrument		Data Properties	
Model	Dust Trak	Start Date	03/17/2011
Meter S/N	85200174	Start Time	12:10:09
		Stop Date	03/17/2011
		Stop Time	16:41:09
		Total Time	0:04:31:00
		Logging Interval	60 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	03/17/2011	12:11:09	0.053
2	03/17/2011	12:12:09	0.053
3	03/17/2011	12:13:09	0.054
4	03/17/2011	12:14:09	0.055
5	03/17/2011	12:15:09	0.054
6	03/17/2011	12:16:09	0.053
7	03/17/2011	12:17:09	0.053
8	03/17/2011	12:18:09	0.053
9	03/17/2011	12:19:09	0.053
10	03/17/2011	12:20:09	0.053
11	03/17/2011	12:21:09	0.052
12	03/17/2011	12:22:09	0.053
13	03/17/2011	12:23:09	0.054
14	03/17/2011	12:24:09	0.054
15	03/17/2011	12:25:09	0.053
16	03/17/2011	12:26:09	0.052
17	03/17/2011	12:27:09	0.053
18	03/17/2011	12:28:09	0.052
19	03/17/2011	12:29:09	0.052
20	03/17/2011	12:30:09	0.053
21	03/17/2011	12:31:09	0.052
22	03/17/2011	12:32:09	0.051
23	03/17/2011	12:33:09	0.051
24	03/17/2011	12:34:09	0.051
25	03/17/2011	12:35:09	0.052
26	03/17/2011	12:36:09	0.051
27	03/17/2011	12:37:09	0.051
28	03/17/2011	12:38:09	0.051
29	03/17/2011	12:39:09	0.052
30	03/17/2011	12:40:09	0.050
31	03/17/2011	12:41:09	0.051
32	03/17/2011	12:42:09	0.052
33	03/17/2011	12:43:09	0.050
34	03/17/2011	12:44:09	0.050
35	03/17/2011	12:45:09	0.051
36	03/17/2011	12:46:09	0.050
37	03/17/2011	12:47:09	0.050
38	03/17/2011	12:48:09	0.050
39	03/17/2011	12:49:09	0.050
40	03/17/2011	12:50:09	0.050
41	03/17/2011	12:51:09	0.050
42	03/17/2011	12:52:09	0.049
43	03/17/2011	12:53:09	0.049

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	03/17/2011	12:54:09	0.050
45	03/17/2011	12:55:09	0.050
46	03/17/2011	12:56:09	0.049
47	03/17/2011	12:57:09	0.049
48	03/17/2011	12:58:09	0.048
49	03/17/2011	12:59:09	0.048
50	03/17/2011	13:00:09	0.050
51	03/17/2011	13:01:09	0.048
52	03/17/2011	13:02:09	0.048
53	03/17/2011	13:03:09	0.048
54	03/17/2011	13:04:09	0.048
55	03/17/2011	13:05:09	0.048
56	03/17/2011	13:06:09	0.047
57	03/17/2011	13:07:09	0.049
58	03/17/2011	13:08:09	0.048
59	03/17/2011	13:09:09	0.047
60	03/17/2011	13:10:09	0.047
61	03/17/2011	13:11:09	0.048
62	03/17/2011	13:12:09	0.048
63	03/17/2011	13:13:09	0.048
64	03/17/2011	13:14:09	0.049
65	03/17/2011	13:15:09	0.046
66	03/17/2011	13:16:09	0.046
67	03/17/2011	13:17:09	0.046
68	03/17/2011	13:18:09	0.046
69	03/17/2011	13:19:09	0.046
70	03/17/2011	13:20:09	0.047
71	03/17/2011	13:21:09	0.046
72	03/17/2011	13:22:09	0.046
73	03/17/2011	13:23:09	0.046
74	03/17/2011	13:24:09	0.046
75	03/17/2011	13:25:09	0.046
76	03/17/2011	13:26:09	0.046
77	03/17/2011	13:27:09	0.046
78	03/17/2011	13:28:09	0.045
79	03/17/2011	13:29:09	0.045
80	03/17/2011	13:30:09	0.045
81	03/17/2011	13:31:09	0.045
82	03/17/2011	13:32:09	0.044
83	03/17/2011	13:33:09	0.044
84	03/17/2011	13:34:09	0.044
85	03/17/2011	13:35:09	0.045
86	03/17/2011	13:36:09	0.044
87	03/17/2011	13:37:09	0.044
88	03/17/2011	13:38:09	0.044
89	03/17/2011	13:39:09	0.043
90	03/17/2011	13:40:09	0.044
91	03/17/2011	13:41:09	0.043
92	03/17/2011	13:42:09	0.042
93	03/17/2011	13:43:09	0.041
94	03/17/2011	13:44:09	0.041
95	03/17/2011	13:45:09	0.040
96	03/17/2011	13:46:09	0.040
97	03/17/2011	13:47:09	0.043
98	03/17/2011	13:48:09	0.046

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
99	03/17/2011	13:49:09	0.044
100	03/17/2011	13:50:09	0.042
101	03/17/2011	13:51:09	0.041
102	03/17/2011	13:52:09	0.042
103	03/17/2011	13:53:09	0.042
104	03/17/2011	13:54:09	0.042
105	03/17/2011	13:55:09	0.042
106	03/17/2011	13:56:09	0.043
107	03/17/2011	13:57:09	0.041
108	03/17/2011	13:58:09	0.041
109	03/17/2011	13:59:09	0.041
110	03/17/2011	14:00:09	0.039
111	03/17/2011	14:01:09	0.040
112	03/17/2011	14:02:09	0.040
113	03/17/2011	14:03:09	0.040
114	03/17/2011	14:04:09	0.039
115	03/17/2011	14:05:09	0.039
116	03/17/2011	14:06:09	0.039
117	03/17/2011	14:07:09	0.039
118	03/17/2011	14:08:09	0.037
119	03/17/2011	14:09:09	0.037
120	03/17/2011	14:10:09	0.038
121	03/17/2011	14:11:09	0.037
122	03/17/2011	14:12:09	0.038
123	03/17/2011	14:13:09	0.039
124	03/17/2011	14:14:09	0.038
125	03/17/2011	14:15:09	0.037
126	03/17/2011	14:16:09	0.038
127	03/17/2011	14:17:09	0.037
128	03/17/2011	14:18:09	0.038
129	03/17/2011	14:19:09	0.036
130	03/17/2011	14:20:09	0.037
131	03/17/2011	14:21:09	0.037
132	03/17/2011	14:22:09	0.037
133	03/17/2011	14:23:09	0.038
134	03/17/2011	14:24:09	0.037
135	03/17/2011	14:25:09	0.038
136	03/17/2011	14:26:09	0.036
137	03/17/2011	14:27:09	0.034
138	03/17/2011	14:28:09	0.035
139	03/17/2011	14:29:09	0.034
140	03/17/2011	14:30:09	0.035
141	03/17/2011	14:31:09	0.033
142	03/17/2011	14:32:09	0.030
143	03/17/2011	14:33:09	0.029
144	03/17/2011	14:34:09	0.033
145	03/17/2011	14:35:09	0.031
146	03/17/2011	14:36:09	0.028
147	03/17/2011	14:37:09	0.028
148	03/17/2011	14:38:09	0.027
149	03/17/2011	14:39:09	0.025
150	03/17/2011	14:40:09	0.025
151	03/17/2011	14:41:09	0.025
152	03/17/2011	14:42:09	0.026
153	03/17/2011	14:43:09	0.025

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
154	03/17/2011	14:44:09	0.033
155	03/17/2011	14:45:09	0.029
156	03/17/2011	14:46:09	0.026
157	03/17/2011	14:47:09	0.025
158	03/17/2011	14:48:09	0.025
159	03/17/2011	14:49:09	0.026
160	03/17/2011	14:50:09	0.025
161	03/17/2011	14:51:09	0.026
162	03/17/2011	14:52:09	0.026
163	03/17/2011	14:53:09	0.025
164	03/17/2011	14:54:09	0.026
165	03/17/2011	14:55:09	0.025
166	03/17/2011	14:56:09	0.025
167	03/17/2011	14:57:09	0.024
168	03/17/2011	14:58:09	0.025
169	03/17/2011	14:59:09	0.025
170	03/17/2011	15:00:09	0.024
171	03/17/2011	15:01:09	0.025
172	03/17/2011	15:02:09	0.025
173	03/17/2011	15:03:09	0.026
174	03/17/2011	15:04:09	0.025
175	03/17/2011	15:05:09	0.024
176	03/17/2011	15:06:09	0.024
177	03/17/2011	15:07:09	0.028
178	03/17/2011	15:08:09	0.030
179	03/17/2011	15:09:09	0.025
180	03/17/2011	15:10:09	0.023
181	03/17/2011	15:11:09	0.025
182	03/17/2011	15:12:09	0.025
183	03/17/2011	15:13:09	0.025
184	03/17/2011	15:14:09	0.024
185	03/17/2011	15:15:09	0.024
186	03/17/2011	15:16:09	0.024
187	03/17/2011	15:17:09	0.024
188	03/17/2011	15:18:09	0.024
189	03/17/2011	15:19:09	0.024
190	03/17/2011	15:20:09	0.025
191	03/17/2011	15:21:09	0.024
192	03/17/2011	15:22:09	0.024
193	03/17/2011	15:23:09	0.024
194	03/17/2011	15:24:09	0.024
195	03/17/2011	15:25:09	0.024
196	03/17/2011	15:26:09	0.024
197	03/17/2011	15:27:09	0.023
198	03/17/2011	15:28:09	0.022
199	03/17/2011	15:29:09	0.023
200	03/17/2011	15:30:09	0.023
201	03/17/2011	15:31:09	0.022
202	03/17/2011	15:32:09	0.022
203	03/17/2011	15:33:09	0.022
204	03/17/2011	15:34:09	0.023
205	03/17/2011	15:35:09	0.023
206	03/17/2011	15:36:09	0.023
207	03/17/2011	15:37:09	0.023
208	03/17/2011	15:38:09	0.025

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
209	03/17/2011	15:39:09	0.022
210	03/17/2011	15:40:09	0.022
211	03/17/2011	15:41:09	0.023
212	03/17/2011	15:42:09	0.024
213	03/17/2011	15:43:09	0.023
214	03/17/2011	15:44:09	0.023
215	03/17/2011	15:45:09	0.022
216	03/17/2011	15:46:09	0.022
217	03/17/2011	15:47:09	0.023
218	03/17/2011	15:48:09	0.023
219	03/17/2011	15:49:09	0.023
220	03/17/2011	15:50:09	0.024
221	03/17/2011	15:51:09	0.023
222	03/17/2011	15:52:09	0.022
223	03/17/2011	15:53:09	0.023
224	03/17/2011	15:54:09	0.022
225	03/17/2011	15:55:09	0.023
226	03/17/2011	15:56:09	0.024
227	03/17/2011	15:57:09	0.024
228	03/17/2011	15:58:09	0.024
229	03/17/2011	15:59:09	0.024
230	03/17/2011	16:00:09	0.025
231	03/17/2011	16:01:09	0.024
232	03/17/2011	16:02:09	0.024
233	03/17/2011	16:03:09	0.024
234	03/17/2011	16:04:09	0.025
235	03/17/2011	16:05:09	0.024
236	03/17/2011	16:06:09	0.023
237	03/17/2011	16:07:09	0.024
238	03/17/2011	16:08:09	0.024
239	03/17/2011	16:09:09	0.024
240	03/17/2011	16:10:09	0.023
241	03/17/2011	16:11:09	0.024
242	03/17/2011	16:12:09	0.023
243	03/17/2011	16:13:09	0.023
244	03/17/2011	16:14:09	0.023
245	03/17/2011	16:15:09	0.023
246	03/17/2011	16:16:09	0.024
247	03/17/2011	16:17:09	0.023
248	03/17/2011	16:18:09	0.025
249	03/17/2011	16:19:09	0.026
250	03/17/2011	16:20:09	0.024
251	03/17/2011	16:21:09	0.025
252	03/17/2011	16:22:09	0.024
253	03/17/2011	16:23:09	0.024
254	03/17/2011	16:24:09	0.024
255	03/17/2011	16:25:09	0.024
256	03/17/2011	16:26:09	0.024
257	03/17/2011	16:27:09	0.024
258	03/17/2011	16:28:09	0.024
259	03/17/2011	16:29:09	0.024
260	03/17/2011	16:30:09	0.024
261	03/17/2011	16:31:09	0.024
262	03/17/2011	16:32:09	0.025
263	03/17/2011	16:33:09	0.025

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
264	03/17/2011	16:34:09	0.026
265	03/17/2011	16:35:09	0.027
266	03/17/2011	16:36:09	0.026
267	03/17/2011	16:37:09	0.026
268	03/17/2011	16:38:09	0.025
269	03/17/2011	16:39:09	0.026
270	03/17/2011	16:40:09	0.026
271	03/17/2011	16:41:09	0.027



# Test 001

Instrument		Data Properties	
Model	Dust Trak	Start Date	03/17/2011
Meter S/N	85201834	Start Time	09:00:36
		Stop Date	03/17/2011
		Stop Time	16:45:36
		Total Time	0:07:45:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	03/17/2011	09:05:36	0.048
2	03/17/2011	09:10:36	0.048
3	03/17/2011	09:15:36	0.048
4	03/17/2011	09:20:36	0.049
5	03/17/2011	09:25:36	0.049
6	03/17/2011	09:30:36	0.051
7	03/17/2011	09:35:36	0.050
8	03/17/2011	09:40:36	0.051
9	03/17/2011	09:45:36	0.051
10	03/17/2011	09:50:36	0.056
11	03/17/2011	09:55:36	0.050
12	03/17/2011	10:00:36	0.049
13	03/17/2011	10:05:36	0.049
14	03/17/2011	10:10:36	0.048
15	03/17/2011	10:15:36	0.049
16	03/17/2011	10:20:36	0.049
17	03/17/2011	10:25:36	0.048
18	03/17/2011	10:30:36	0.047
19	03/17/2011	10:35:36	0.049
20	03/17/2011	10:40:36	0.049
21	03/17/2011	10:45:36	0.049
22	03/17/2011	10:50:36	0.048
23	03/17/2011	10:55:36	0.048
24	03/17/2011	11:00:36	0.047
25	03/17/2011	11:05:36	0.047
26	03/17/2011	11:10:36	0.046
27	03/17/2011	11:15:36	0.047
28	03/17/2011	11:20:36	0.048
29	03/17/2011	11:25:36	0.047
30	03/17/2011	11:30:36	0.047
31	03/17/2011	11:35:36	0.045
32	03/17/2011	11:40:36	0.047
33	03/17/2011	11:45:36	0.045
34	03/17/2011	11:50:36	0.046
35	03/17/2011	11:55:36	0.047
36	03/17/2011	12:00:36	0.047
37	03/17/2011	12:05:36	0.046
38	03/17/2011	12:10:36	0.046
39	03/17/2011	12:15:36	0.046
40	03/17/2011	12:20:36	0.045
41	03/17/2011	12:25:36	0.048
42	03/17/2011	12:30:36	0.045
43	03/17/2011	12:35:36	0.044

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	03/17/2011	12:40:36	0.043
45	03/17/2011	12:45:36	0.043
46	03/17/2011	12:50:36	0.044
47	03/17/2011	12:55:36	0.043
48	03/17/2011	13:00:36	0.043
49	03/17/2011	13:05:36	0.043
50	03/17/2011	13:10:36	0.042
51	03/17/2011	13:15:36	0.042
52	03/17/2011	13:20:36	0.042
53	03/17/2011	13:25:36	0.041
54	03/17/2011	13:30:36	0.040
55	03/17/2011	13:35:36	0.039
56	03/17/2011	13:40:36	0.039
57	03/17/2011	13:45:36	0.037
58	03/17/2011	13:50:36	0.037
59	03/17/2011	13:55:36	0.037
60	03/17/2011	14:00:36	0.036
61	03/17/2011	14:05:36	0.035
62	03/17/2011	14:10:36	0.033
63	03/17/2011	14:15:36	0.033
64	03/17/2011	14:20:36	0.033
65	03/17/2011	14:25:36	0.033
66	03/17/2011	14:30:36	0.031
67	03/17/2011	14:35:36	0.027
68	03/17/2011	14:40:36	0.025
69	03/17/2011	14:45:36	0.024
70	03/17/2011	14:50:36	0.024
71	03/17/2011	14:55:36	0.024
72	03/17/2011	15:00:36	0.024
73	03/17/2011	15:05:36	0.024
74	03/17/2011	15:10:36	0.023
75	03/17/2011	15:15:36	0.023
76	03/17/2011	15:20:36	0.023
77	03/17/2011	15:25:36	0.023
78	03/17/2011	15:30:36	0.022
79	03/17/2011	15:35:36	0.021
80	03/17/2011	15:40:36	0.022
81	03/17/2011	15:45:36	0.022
82	03/17/2011	15:50:36	0.021
83	03/17/2011	15:55:36	0.022
84	03/17/2011	16:00:36	0.023
85	03/17/2011	16:05:36	0.023
86	03/17/2011	16:10:36	0.022
87	03/17/2011	16:15:36	0.022
88	03/17/2011	16:20:36	0.022
89	03/17/2011	16:25:36	0.022
90	03/17/2011	16:30:36	0.023
91	03/17/2011	16:35:36	0.024
92	03/17/2011	16:40:36	0.025
93	03/17/2011	16:45:36	0.023

# Test 003

Instrument		Data Properties	
Model	Dust Trak	Start Date	03/18/2011
Meter S/N	85200174	Start Time	08:20:11
		Stop Date	03/18/2011
		Stop Time	12:36:11
		Total Time	0:04:16:00
		Logging Interval	60 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	03/18/2011	08:21:11	0.183
2	03/18/2011	08:22:11	0.015
3	03/18/2011	08:23:11	0.015
4	03/18/2011	08:24:11	0.014
5	03/18/2011	08:25:11	0.013
6	03/18/2011	08:26:11	0.012
7	03/18/2011	08:27:11	0.012
8	03/18/2011	08:28:11	0.011
9	03/18/2011	08:29:11	0.011
10	03/18/2011	08:30:11	0.012
11	03/18/2011	08:31:11	0.011
12	03/18/2011	08:32:11	0.013
13	03/18/2011	08:33:11	0.011
14	03/18/2011	08:34:11	0.010
15	03/18/2011	08:35:11	0.011
16	03/18/2011	08:36:11	0.010
17	03/18/2011	08:37:11	0.010
18	03/18/2011	08:38:11	0.011
19	03/18/2011	08:39:11	0.016
20	03/18/2011	08:40:11	0.011
21	03/18/2011	08:41:11	0.010
22	03/18/2011	08:42:11	0.012
23	03/18/2011	08:43:11	0.010
24	03/18/2011	08:44:11	0.011
25	03/18/2011	08:45:11	0.011
26	03/18/2011	08:46:11	0.010
27	03/18/2011	08:47:11	0.010
28	03/18/2011	08:48:11	0.011
29	03/18/2011	08:49:11	0.012
30	03/18/2011	08:50:11	0.011
31	03/18/2011	08:51:11	0.010
32	03/18/2011	08:52:11	0.010
33	03/18/2011	08:53:11	0.009
34	03/18/2011	08:54:11	0.010
35	03/18/2011	08:55:11	0.012
36	03/18/2011	08:56:11	0.011
37	03/18/2011	08:57:11	0.010
38	03/18/2011	08:58:11	0.010
39	03/18/2011	08:59:11	0.010
40	03/18/2011	09:00:11	0.011
41	03/18/2011	09:01:11	0.011
42	03/18/2011	09:02:11	0.011
43	03/18/2011	09:03:11	0.010

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	03/18/2011	09:04:11	0.010
45	03/18/2011	09:05:11	0.009
46	03/18/2011	09:06:11	0.011
47	03/18/2011	09:07:11	0.008
48	03/18/2011	09:08:11	0.008
49	03/18/2011	09:09:11	0.008
50	03/18/2011	09:10:11	0.009
51	03/18/2011	09:11:11	0.009
52	03/18/2011	09:12:11	0.010
53	03/18/2011	09:13:11	0.010
54	03/18/2011	09:14:11	0.009
55	03/18/2011	09:15:11	0.008
56	03/18/2011	09:16:11	0.008
57	03/18/2011	09:17:11	0.008
58	03/18/2011	09:18:11	0.008
59	03/18/2011	09:19:11	0.007
60	03/18/2011	09:20:11	0.007
61	03/18/2011	09:21:11	0.007
62	03/18/2011	09:22:11	0.008
63	03/18/2011	09:23:11	0.008
64	03/18/2011	09:24:11	0.007
65	03/18/2011	09:25:11	0.006
66	03/18/2011	09:26:11	0.007
67	03/18/2011	09:27:11	0.007
68	03/18/2011	09:28:11	0.006
69	03/18/2011	09:29:11	0.006
70	03/18/2011	09:30:11	0.007
71	03/18/2011	09:31:11	0.008
72	03/18/2011	09:32:11	0.007
73	03/18/2011	09:33:11	0.008
74	03/18/2011	09:34:11	0.006
75	03/18/2011	09:35:11	0.007
76	03/18/2011	09:36:11	0.008
77	03/18/2011	09:37:11	0.008
78	03/18/2011	09:38:11	0.006
79	03/18/2011	09:39:11	0.006
80	03/18/2011	09:40:11	0.006
81	03/18/2011	09:41:11	0.006
82	03/18/2011	09:42:11	0.006
83	03/18/2011	09:43:11	0.006
84	03/18/2011	09:44:11	0.005
85	03/18/2011	09:45:11	0.006
86	03/18/2011	09:46:11	0.007
87	03/18/2011	09:47:11	0.006
88	03/18/2011	09:48:11	0.007
89	03/18/2011	09:49:11	0.006
90	03/18/2011	09:50:11	0.008
91	03/18/2011	09:51:11	0.009
92	03/18/2011	09:52:11	0.008
93	03/18/2011	09:53:11	0.009
94	03/18/2011	09:54:11	0.008
95	03/18/2011	09:55:11	0.008
96	03/18/2011	09:56:11	0.011
97	03/18/2011	09:57:11	0.007
98	03/18/2011	09:58:11	0.009

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
99	03/18/2011	09:59:11	0.007
100	03/18/2011	10:00:11	0.006
101	03/18/2011	10:01:11	0.006
102	03/18/2011	10:02:11	0.006
103	03/18/2011	10:03:11	0.008
104	03/18/2011	10:04:11	0.007
105	03/18/2011	10:05:11	0.010
106	03/18/2011	10:06:11	0.007
107	03/18/2011	10:07:11	0.007
108	03/18/2011	10:08:11	0.010
109	03/18/2011	10:09:11	0.007
110	03/18/2011	10:10:11	0.007
111	03/18/2011	10:11:11	0.006
112	03/18/2011	10:12:11	0.007
113	03/18/2011	10:13:11	0.007
114	03/18/2011	10:14:11	0.008
115	03/18/2011	10:15:11	0.008
116	03/18/2011	10:16:11	0.012
117	03/18/2011	10:17:11	0.012
118	03/18/2011	10:18:11	0.008
119	03/18/2011	10:19:11	0.008
120	03/18/2011	10:20:11	0.007
121	03/18/2011	10:21:11	0.007
122	03/18/2011	10:22:11	0.009
123	03/18/2011	10:23:11	0.007
124	03/18/2011	10:24:11	0.014
125	03/18/2011	10:25:11	0.008
126	03/18/2011	10:26:11	0.006
127	03/18/2011	10:27:11	0.007
128	03/18/2011	10:28:11	0.008
129	03/18/2011	10:29:11	0.008
130	03/18/2011	10:30:11	0.009
131	03/18/2011	10:31:11	0.009
132	03/18/2011	10:32:11	0.008
133	03/18/2011	10:33:11	0.008
134	03/18/2011	10:34:11	0.008
135	03/18/2011	10:35:11	0.009
136	03/18/2011	10:36:11	0.011
137	03/18/2011	10:37:11	0.009
138	03/18/2011	10:38:11	0.008
139	03/18/2011	10:39:11	0.008
140	03/18/2011	10:40:11	0.007
141	03/18/2011	10:41:11	0.006
142	03/18/2011	10:42:11	0.009
143	03/18/2011	10:43:11	0.007
144	03/18/2011	10:44:11	0.009
145	03/18/2011	10:45:11	0.007
146	03/18/2011	10:46:11	0.008
147	03/18/2011	10:47:11	0.009
148	03/18/2011	10:48:11	0.008
149	03/18/2011	10:49:11	0.013
150	03/18/2011	10:50:11	0.008
151	03/18/2011	10:51:11	0.008
152	03/18/2011	10:52:11	0.008
153	03/18/2011	10:53:11	0.006

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
154	03/18/2011	10:54:11	0.007
155	03/18/2011	10:55:11	0.007
156	03/18/2011	10:56:11	0.007
157	03/18/2011	10:57:11	0.008
158	03/18/2011	10:58:11	0.008
159	03/18/2011	10:59:11	0.008
160	03/18/2011	11:00:11	0.008
161	03/18/2011	11:01:11	0.008
162	03/18/2011	11:02:11	0.008
163	03/18/2011	11:03:11	0.008
164	03/18/2011	11:04:11	0.007
165	03/18/2011	11:05:11	0.009
166	03/18/2011	11:06:11	0.007
167	03/18/2011	11:07:11	0.006
168	03/18/2011	11:08:11	0.007
169	03/18/2011	11:09:11	0.006
170	03/18/2011	11:10:11	0.007
171	03/18/2011	11:11:11	0.008
172	03/18/2011	11:12:11	0.007
173	03/18/2011	11:13:11	0.009
174	03/18/2011	11:14:11	0.010
175	03/18/2011	11:15:11	0.008
176	03/18/2011	11:16:11	0.008
177	03/18/2011	11:17:11	0.007
178	03/18/2011	11:18:11	0.007
179	03/18/2011	11:19:11	0.006
180	03/18/2011	11:20:11	0.006
181	03/18/2011	11:21:11	0.006
182	03/18/2011	11:22:11	0.006
183	03/18/2011	11:23:11	0.006
184	03/18/2011	11:24:11	0.006
185	03/18/2011	11:25:11	0.006
186	03/18/2011	11:26:11	0.007
187	03/18/2011	11:27:11	0.006
188	03/18/2011	11:28:11	0.007
189	03/18/2011	11:29:11	0.006
190	03/18/2011	11:30:11	0.007
191	03/18/2011	11:31:11	0.006
192	03/18/2011	11:32:11	0.006
193	03/18/2011	11:33:11	0.006
194	03/18/2011	11:34:11	0.009
195	03/18/2011	11:35:11	0.006
196	03/18/2011	11:36:11	0.006
197	03/18/2011	11:37:11	0.005
198	03/18/2011	11:38:11	0.006
199	03/18/2011	11:39:11	0.006
200	03/18/2011	11:40:11	0.006
201	03/18/2011	11:41:11	0.006
202	03/18/2011	11:42:11	0.006
203	03/18/2011	11:43:11	0.006
204	03/18/2011	11:44:11	0.007
205	03/18/2011	11:45:11	0.006
206	03/18/2011	11:46:11	0.006
207	03/18/2011	11:47:11	0.007
208	03/18/2011	11:48:11	0.006

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
209	03/18/2011	11:49:11	0.007
210	03/18/2011	11:50:11	0.007
211	03/18/2011	11:51:11	0.007
212	03/18/2011	11:52:11	0.006
213	03/18/2011	11:53:11	0.008
214	03/18/2011	11:54:11	0.008
215	03/18/2011	11:55:11	0.008
216	03/18/2011	11:56:11	0.007
217	03/18/2011	11:57:11	0.007
218	03/18/2011	11:58:11	0.006
219	03/18/2011	11:59:11	0.007
220	03/18/2011	12:00:11	0.007
221	03/18/2011	12:01:11	0.006
222	03/18/2011	12:02:11	0.007
223	03/18/2011	12:03:11	0.006
224	03/18/2011	12:04:11	0.005
225	03/18/2011	12:05:11	0.006
226	03/18/2011	12:06:11	0.007
227	03/18/2011	12:07:11	0.006
228	03/18/2011	12:08:11	0.005
229	03/18/2011	12:09:11	0.006
230	03/18/2011	12:10:11	0.006
231	03/18/2011	12:11:11	0.006
232	03/18/2011	12:12:11	0.006
233	03/18/2011	12:13:11	0.006
234	03/18/2011	12:14:11	0.007
235	03/18/2011	12:15:11	0.007
236	03/18/2011	12:16:11	0.006
237	03/18/2011	12:17:11	0.006
238	03/18/2011	12:18:11	0.006
239	03/18/2011	12:19:11	0.006
240	03/18/2011	12:20:11	0.008
241	03/18/2011	12:21:11	0.009
242	03/18/2011	12:22:11	0.009
243	03/18/2011	12:23:11	0.007
244	03/18/2011	12:24:11	0.013
245	03/18/2011	12:25:11	0.008
246	03/18/2011	12:26:11	0.008
247	03/18/2011	12:27:11	0.007
248	03/18/2011	12:28:11	0.006
249	03/18/2011	12:29:11	0.007
250	03/18/2011	12:30:11	0.011
251	03/18/2011	12:31:11	0.007
252	03/18/2011	12:32:11	0.006
253	03/18/2011	12:33:11	0.006
254	03/18/2011	12:34:11	0.006
255	03/18/2011	12:35:11	0.006
256	03/18/2011	12:36:11	0.005

# Test 002

Instrument		Data Properties	
Model	Dust Trak	Start Date	03/18/2011
Meter S/N	85201834	Start Time	08:13:32
		Stop Date	03/18/2011
		Stop Time	12:00:22
		Total Time	0:03:46:50
		Logging Interval	60 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	03/18/2011	08:14:32	0.045
2	03/18/2011	08:15:32	0.012
3	03/18/2011	08:16:32	0.012
4	03/18/2011	08:17:32	0.012
5	03/18/2011	08:18:32	0.012
6	03/18/2011	08:19:32	0.013
7	03/18/2011	08:20:32	0.013
8	03/18/2011	08:21:32	0.013
9	03/18/2011	08:22:32	0.012
10	03/18/2011	08:23:32	0.011
11	03/18/2011	08:24:32	0.011
12	03/18/2011	08:25:32	0.010
13	03/18/2011	08:26:32	0.011
14	03/18/2011	08:27:32	0.010
15	03/18/2011	08:28:32	0.009
16	03/18/2011	08:29:32	0.010
17	03/18/2011	08:30:32	0.009
18	03/18/2011	08:31:32	0.010
19	03/18/2011	08:32:32	0.011
20	03/18/2011	08:33:32	0.009
21	03/18/2011	08:34:32	0.008
22	03/18/2011	08:35:32	0.010
23	03/18/2011	08:36:32	0.009
24	03/18/2011	08:37:32	0.009
25	03/18/2011	08:38:32	0.010
26	03/18/2011	08:39:32	0.010
27	03/18/2011	08:40:32	0.009
28	03/18/2011	08:41:32	0.009
29	03/18/2011	08:42:32	0.009
30	03/18/2011	08:43:32	0.009
31	03/18/2011	08:44:32	0.009
32	03/18/2011	08:45:32	0.009
33	03/18/2011	08:46:32	0.009
34	03/18/2011	08:47:32	0.009
35	03/18/2011	08:48:32	0.009
36	03/18/2011	08:49:32	0.009
37	03/18/2011	08:50:32	0.009
38	03/18/2011	08:51:32	0.009
39	03/18/2011	08:52:32	0.008
40	03/18/2011	08:53:32	0.008
41	03/18/2011	08:54:32	0.009
42	03/18/2011	08:55:32	0.009
43	03/18/2011	08:56:32	0.009



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	03/18/2011	08:57:32	0.009
45	03/18/2011	08:58:32	0.009
46	03/18/2011	08:59:32	0.008
47	03/18/2011	09:00:32	0.009
48	03/18/2011	09:01:32	0.010
49	03/18/2011	09:02:32	0.008
50	03/18/2011	09:03:32	0.008
51	03/18/2011	09:04:32	0.010
52	03/18/2011	09:05:32	0.008
53	03/18/2011	09:06:32	0.007
54	03/18/2011	09:07:32	0.007
55	03/18/2011	09:08:32	0.007
56	03/18/2011	09:09:32	0.007
57	03/18/2011	09:10:32	0.007
58	03/18/2011	09:11:32	0.007
59	03/18/2011	09:12:32	0.007
60	03/18/2011	09:13:32	0.007
61	03/18/2011	09:14:32	0.007
62	03/18/2011	09:15:32	0.007
63	03/18/2011	09:16:32	0.006
64	03/18/2011	09:17:32	0.006
65	03/18/2011	09:18:32	0.007
66	03/18/2011	09:19:32	0.008
67	03/18/2011	09:20:32	0.007
68	03/18/2011	09:21:32	0.006
69	03/18/2011	09:22:32	0.007
70	03/18/2011	09:23:32	0.006
71	03/18/2011	09:24:32	0.006
72	03/18/2011	09:25:32	0.006
73	03/18/2011	09:26:32	0.006
74	03/18/2011	09:27:32	0.006
75	03/18/2011	09:28:32	0.005
76	03/18/2011	09:29:32	0.005
77	03/18/2011	09:30:32	0.006
78	03/18/2011	09:31:32	0.007
79	03/18/2011	09:32:32	0.006
80	03/18/2011	09:33:32	0.006
81	03/18/2011	09:34:32	0.006
82	03/18/2011	09:35:32	0.005
83	03/18/2011	09:36:32	0.006
84	03/18/2011	09:37:32	0.006
85	03/18/2011	09:38:32	0.005
86	03/18/2011	09:39:32	0.006
87	03/18/2011	09:40:32	0.006
88	03/18/2011	09:41:32	0.006
89	03/18/2011	09:42:32	0.006
90	03/18/2011	09:43:32	0.005
91	03/18/2011	09:44:32	0.005
92	03/18/2011	09:45:32	0.007
93	03/18/2011	09:46:32	0.007
94	03/18/2011	09:47:32	0.005
95	03/18/2011	09:48:32	0.006
96	03/18/2011	09:49:32	0.006
97	03/18/2011	09:50:32	0.007
98	03/18/2011	09:51:32	0.008

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
99	03/18/2011	09:52:32	0.009
100	03/18/2011	09:53:32	0.007
101	03/18/2011	09:54:32	0.007
102	03/18/2011	09:55:32	0.008
103	03/18/2011	09:56:32	0.007
104	03/18/2011	09:57:32	0.007
105	03/18/2011	09:58:32	0.008
106	03/18/2011	09:59:32	0.006
107	03/18/2011	10:00:32	0.006
108	03/18/2011	10:01:32	0.006
109	03/18/2011	10:02:32	0.006
110	03/18/2011	10:03:32	0.006
111	03/18/2011	10:04:32	0.006
112	03/18/2011	10:05:32	0.007
113	03/18/2011	10:06:32	0.006
114	03/18/2011	10:07:32	0.006
115	03/18/2011	10:08:32	0.006
116	03/18/2011	10:09:32	0.009
117	03/18/2011	10:10:32	0.006
118	03/18/2011	10:11:32	0.006
119	03/18/2011	10:12:32	0.006
120	03/18/2011	10:13:32	0.007
121	03/18/2011	10:14:32	0.006
122	03/18/2011	10:15:32	0.007
123	03/18/2011	10:16:32	0.008
124	03/18/2011	10:17:32	0.009
125	03/18/2011	10:18:32	0.007
126	03/18/2011	10:19:32	0.006
127	03/18/2011	10:20:32	0.006
128	03/18/2011	10:21:32	0.008
129	03/18/2011	10:22:32	0.007
130	03/18/2011	10:23:32	0.006
131	03/18/2011	10:24:32	0.008
132	03/18/2011	10:25:32	0.013
133	03/18/2011	10:26:32	0.008
134	03/18/2011	10:27:32	0.008
135	03/18/2011	10:28:32	0.008
136	03/18/2011	10:29:32	0.008
137	03/18/2011	10:30:32	0.008
138	03/18/2011	10:31:32	0.007
139	03/18/2011	10:32:32	0.007
140	03/18/2011	10:33:32	0.009
141	03/18/2011	10:34:32	0.010
142	03/18/2011	10:35:32	0.008
143	03/18/2011	10:36:32	0.009
144	03/18/2011	10:37:32	0.009
145	03/18/2011	10:38:32	0.008
146	03/18/2011	10:39:32	0.009
147	03/18/2011	10:40:32	0.007
148	03/18/2011	10:41:32	0.006
149	03/18/2011	10:42:32	0.007
150	03/18/2011	10:43:32	0.008
151	03/18/2011	10:44:32	0.009
152	03/18/2011	10:45:32	0.007
153	03/18/2011	10:46:32	0.009

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
154	03/18/2011	10:47:32	0.008
155	03/18/2011	10:48:32	0.008
156	03/18/2011	10:49:32	0.006
157	03/18/2011	10:50:32	0.007
158	03/18/2011	10:51:32	0.009
159	03/18/2011	10:52:32	0.008
160	03/18/2011	10:53:32	0.008
161	03/18/2011	10:54:32	0.010
162	03/18/2011	10:55:32	0.007
163	03/18/2011	10:56:32	0.008
164	03/18/2011	10:57:32	0.007
165	03/18/2011	10:58:32	0.007
166	03/18/2011	10:59:32	0.007
167	03/18/2011	11:00:32	0.009
168	03/18/2011	11:01:32	0.008
169	03/18/2011	11:02:32	0.007
170	03/18/2011	11:03:32	0.009
171	03/18/2011	11:04:32	0.006
172	03/18/2011	11:05:32	0.009
173	03/18/2011	11:06:32	0.008
174	03/18/2011	11:07:32	0.008
175	03/18/2011	11:08:32	0.006
176	03/18/2011	11:09:32	0.009
177	03/18/2011	11:10:32	0.006
178	03/18/2011	11:11:32	0.009
179	03/18/2011	11:12:32	0.008
180	03/18/2011	11:13:32	0.008
181	03/18/2011	11:14:32	0.008
182	03/18/2011	11:15:32	0.008
183	03/18/2011	11:16:32	0.007
184	03/18/2011	11:17:32	0.007
185	03/18/2011	11:18:32	0.006
186	03/18/2011	11:19:32	0.007
187	03/18/2011	11:20:32	0.006
188	03/18/2011	11:21:32	0.007
189	03/18/2011	11:22:32	0.009
190	03/18/2011	11:23:32	0.006
191	03/18/2011	11:24:32	0.006
192	03/18/2011	11:25:32	0.007
193	03/18/2011	11:26:32	0.007
194	03/18/2011	11:27:32	0.006
195	03/18/2011	11:28:32	0.006
196	03/18/2011	11:29:32	0.007
197	03/18/2011	11:30:32	0.006
198	03/18/2011	11:31:32	0.006
199	03/18/2011	11:32:32	0.006
200	03/18/2011	11:33:32	0.006
201	03/18/2011	11:34:32	0.005
202	03/18/2011	11:35:32	0.006
203	03/18/2011	11:36:32	0.006
204	03/18/2011	11:37:32	0.006
205	03/18/2011	11:38:32	0.006
206	03/18/2011	11:39:32	0.007
207	03/18/2011	11:40:32	0.006
208	03/18/2011	11:41:32	0.006

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
209	03/18/2011	11:42:32	0.006
210	03/18/2011	11:43:32	0.007
211	03/18/2011	11:44:32	0.007
212	03/18/2011	11:45:32	0.006
213	03/18/2011	11:46:32	0.006
214	03/18/2011	11:47:32	0.006
215	03/18/2011	11:48:32	0.007
216	03/18/2011	11:49:32	0.007
217	03/18/2011	11:50:32	0.007
218	03/18/2011	11:51:32	0.009
219	03/18/2011	11:52:32	0.007
220	03/18/2011	11:53:32	0.007
221	03/18/2011	11:54:32	0.007
222	03/18/2011	11:55:32	0.007
223	03/18/2011	11:56:32	0.007
224	03/18/2011	11:57:32	0.008
225	03/18/2011	11:58:32	0.006
226	03/18/2011	11:59:32	0.007
227	03/18/2011	12:00:32	0.007

# Test 004

Instrument		Data Properties	
Model	Dust Trak	Start Date	03/22/2011
Meter S/N	85200174	Start Time	08:22:33
		Stop Date	03/22/2011
		Stop Time	08:34:33
		Total Time	0:00:12:00
		Logging Interval	60 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	03/22/2011	08:23:33	0.018
2	03/22/2011	08:24:33	0.017
3	03/22/2011	08:25:33	0.017
4	03/22/2011	08:26:33	0.016
5	03/22/2011	08:27:33	0.017
6	03/22/2011	08:28:33	0.017
7	03/22/2011	08:29:33	0.017
8	03/22/2011	08:30:33	0.017
9	03/22/2011	08:31:33	0.017
10	03/22/2011	08:32:33	0.018
11	03/22/2011	08:33:33	0.014
12	03/22/2011	08:34:33	0.015

# Test 003

Instrument		Data Properties	
Model	Dust Trak	Start Date	03/22/2011
Meter S/N	85201834	Start Time	08:27:11
		Stop Date	03/22/2011
		Stop Time	22:38:05
		Total Time	0:14:10:54
		Logging Interval	60 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	03/22/2011	08:28:11	0.161
2	03/22/2011	08:29:11	0.015
3	03/22/2011	08:30:11	0.015
4	03/22/2011	08:31:11	0.015
5	03/22/2011	08:32:11	0.015
6	03/22/2011	08:33:11	0.015
7	03/22/2011	08:34:11	0.013
8	03/22/2011	08:35:11	0.013
9	03/22/2011	08:36:11	0.014
10	03/22/2011	08:37:11	0.014
11	03/22/2011	08:38:11	0.013
12	03/22/2011	08:39:11	0.013
13	03/22/2011	08:40:11	0.014
14	03/22/2011	08:41:11	0.014
15	03/22/2011	08:42:11	0.014
16	03/22/2011	08:43:11	0.012
17	03/22/2011	08:44:11	0.013
18	03/22/2011	08:45:11	0.013
19	03/22/2011	08:46:11	0.014
20	03/22/2011	08:47:11	0.015
21	03/22/2011	08:48:11	0.013
22	03/22/2011	08:49:11	0.013
23	03/22/2011	08:50:11	0.013
24	03/22/2011	08:51:11	0.013
25	03/22/2011	08:52:11	0.012
26	03/22/2011	08:53:11	0.012
27	03/22/2011	08:54:11	0.012
28	03/22/2011	08:55:11	0.012
29	03/22/2011	08:56:11	0.012
30	03/22/2011	08:57:11	0.012
31	03/22/2011	08:58:11	0.012
32	03/22/2011	08:59:11	0.011
33	03/22/2011	09:00:11	0.011
34	03/22/2011	09:01:11	0.011
35	03/22/2011	09:02:11	0.011
36	03/22/2011	09:03:11	0.012
37	03/22/2011	09:04:11	0.012
38	03/22/2011	09:05:11	0.011
39	03/22/2011	09:06:11	0.012
40	03/22/2011	09:07:11	0.012
41	03/22/2011	09:08:11	0.011
42	03/22/2011	09:09:11	0.011
43	03/22/2011	09:10:11	0.010

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	03/22/2011	09:11:11	0.011
45	03/22/2011	09:12:11	0.010
46	03/22/2011	09:13:11	0.011
47	03/22/2011	09:14:11	0.011
48	03/22/2011	09:15:11	0.012
49	03/22/2011	09:16:11	0.010
50	03/22/2011	09:17:11	0.010
51	03/22/2011	09:18:11	0.011
52	03/22/2011	09:19:11	0.011
53	03/22/2011	09:20:11	0.011
54	03/22/2011	09:21:11	0.011
55	03/22/2011	09:22:11	0.011
56	03/22/2011	09:23:11	0.012
57	03/22/2011	09:24:11	0.012
58	03/22/2011	09:25:11	0.012
59	03/22/2011	09:26:11	0.012
60	03/22/2011	09:27:11	0.010
61	03/22/2011	09:28:11	0.010
62	03/22/2011	09:29:11	0.010
63	03/22/2011	09:30:11	0.011
64	03/22/2011	09:31:11	0.010
65	03/22/2011	09:32:11	0.010
66	03/22/2011	09:33:11	0.011
67	03/22/2011	09:34:11	0.011
68	03/22/2011	09:35:11	0.010
69	03/22/2011	09:36:11	0.010
70	03/22/2011	09:37:11	0.010
71	03/22/2011	09:38:11	0.011
72	03/22/2011	09:39:11	0.011
73	03/22/2011	09:40:11	0.010
74	03/22/2011	09:41:11	0.010
75	03/22/2011	09:42:11	0.010
76	03/22/2011	09:43:11	0.010
77	03/22/2011	09:44:11	0.010
78	03/22/2011	09:45:11	0.009
79	03/22/2011	09:46:11	0.009
80	03/22/2011	09:47:11	0.010
81	03/22/2011	09:48:11	0.010
82	03/22/2011	09:49:11	0.009
83	03/22/2011	09:50:11	0.009
84	03/22/2011	09:51:11	0.008
85	03/22/2011	09:52:11	0.009
86	03/22/2011	09:53:11	0.009
87	03/22/2011	09:54:11	0.010
88	03/22/2011	09:55:11	0.009
89	03/22/2011	09:56:11	0.011
90	03/22/2011	09:57:11	0.011
91	03/22/2011	09:58:11	0.011
92	03/22/2011	09:59:11	0.012
93	03/22/2011	10:00:11	0.009
94	03/22/2011	10:01:11	0.009
95	03/22/2011	10:02:11	0.009
96	03/22/2011	10:03:11	0.009
97	03/22/2011	10:04:11	0.011
98	03/22/2011	10:05:11	0.010

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
99	03/22/2011	10:06:11	0.009
100	03/22/2011	10:07:11	0.009
101	03/22/2011	10:08:11	0.008
102	03/22/2011	10:09:11	0.008
103	03/22/2011	10:10:11	0.008
104	03/22/2011	10:11:11	0.008
105	03/22/2011	10:12:11	0.008
106	03/22/2011	10:13:11	0.008
107	03/22/2011	10:14:11	0.008
108	03/22/2011	10:15:11	0.009
109	03/22/2011	10:16:11	0.009
110	03/22/2011	10:17:11	0.008
111	03/22/2011	10:18:11	0.009
112	03/22/2011	10:19:11	0.008
113	03/22/2011	10:20:11	0.008
114	03/22/2011	10:21:11	0.009
115	03/22/2011	10:22:11	0.008
116	03/22/2011	10:23:11	0.009
117	03/22/2011	10:24:11	0.008
118	03/22/2011	10:25:11	0.008
119	03/22/2011	10:26:11	0.008
120	03/22/2011	10:27:11	0.008
121	03/22/2011	10:28:11	0.008
122	03/22/2011	10:29:11	0.007
123	03/22/2011	10:30:11	0.008
124	03/22/2011	10:31:11	0.009
125	03/22/2011	10:32:11	0.008
126	03/22/2011	10:33:11	0.009
127	03/22/2011	10:34:11	0.009
128	03/22/2011	10:35:11	0.008
129	03/22/2011	10:36:11	0.010
130	03/22/2011	10:37:11	0.008
131	03/22/2011	10:38:11	0.009
132	03/22/2011	10:39:11	0.008
133	03/22/2011	10:40:11	0.009
134	03/22/2011	10:41:11	0.008



# Test 001

Instrument		Data Properties	
Model	Dust Trak	Start Date	04/14/2011
Meter S/N	22812	Start Time	09:30:54
		Stop Date	04/14/2011
		Stop Time	16:45:54
		Total Time	0:07:15:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	04/14/2011	09:35:54	0.024
2	04/14/2011	09:40:54	0.024
3	04/14/2011	09:45:54	0.024
4	04/14/2011	09:50:54	0.023
5	04/14/2011	09:55:54	0.022
6	04/14/2011	10:00:54	0.021
7	04/14/2011	10:05:54	0.020
8	04/14/2011	10:10:54	0.028
9	04/14/2011	10:15:54	0.016
10	04/14/2011	10:20:54	0.015
11	04/14/2011	10:25:54	0.014
12	04/14/2011	10:30:54	0.015
13	04/14/2011	10:35:54	0.015
14	04/14/2011	10:40:54	0.018
15	04/14/2011	10:45:54	0.017
16	04/14/2011	10:50:54	0.019
17	04/14/2011	10:55:54	0.016
18	04/14/2011	11:00:54	0.015
19	04/14/2011	11:05:54	0.013
20	04/14/2011	11:10:54	0.013
21	04/14/2011	11:15:54	0.015
22	04/14/2011	11:20:54	0.013
23	04/14/2011	11:25:54	0.012
24	04/14/2011	11:30:54	0.012
25	04/14/2011	11:35:54	0.012
26	04/14/2011	11:40:54	0.012
27	04/14/2011	11:45:54	0.012
28	04/14/2011	11:50:54	0.012
29	04/14/2011	11:55:54	0.013
30	04/14/2011	12:00:54	0.012
31	04/14/2011	12:05:54	0.012
32	04/14/2011	12:10:54	0.013
33	04/14/2011	12:15:54	0.012
34	04/14/2011	12:20:54	0.013
35	04/14/2011	12:25:54	0.015
36	04/14/2011	12:30:54	0.013
37	04/14/2011	12:35:54	0.011
38	04/14/2011	12:40:54	0.012
39	04/14/2011	12:45:54	0.013
40	04/14/2011	12:50:54	0.013
41	04/14/2011	12:55:54	0.013
42	04/14/2011	13:00:54	0.013
43	04/14/2011	13:05:54	0.013

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	04/14/2011	13:10:54	0.013
45	04/14/2011	13:15:54	0.013
46	04/14/2011	13:20:54	0.012
47	04/14/2011	13:25:54	0.013
48	04/14/2011	13:30:54	0.013
49	04/14/2011	13:35:54	0.014
50	04/14/2011	13:40:54	0.015
51	04/14/2011	13:45:54	0.016
52	04/14/2011	13:50:54	0.016
53	04/14/2011	13:55:54	0.016
54	04/14/2011	14:00:54	0.016
55	04/14/2011	14:05:54	0.017
56	04/14/2011	14:10:54	0.016
57	04/14/2011	14:15:54	0.016
58	04/14/2011	14:20:54	0.017
59	04/14/2011	14:25:54	0.017
60	04/14/2011	14:30:54	0.017
61	04/14/2011	14:35:54	0.015
62	04/14/2011	14:40:54	0.014
63	04/14/2011	14:45:54	0.013
64	04/14/2011	14:50:54	0.013
65	04/14/2011	14:55:54	0.014
66	04/14/2011	15:00:54	0.012
67	04/14/2011	15:05:54	0.011
68	04/14/2011	15:10:54	0.011
69	04/14/2011	15:15:54	0.012
70	04/14/2011	15:20:54	0.012
71	04/14/2011	15:25:54	0.010
72	04/14/2011	15:30:54	0.009
73	04/14/2011	15:35:54	0.009
74	04/14/2011	15:40:54	0.008
75	04/14/2011	15:45:54	0.008
76	04/14/2011	15:50:54	0.008
77	04/14/2011	15:55:54	0.008
78	04/14/2011	16:00:54	0.008
79	04/14/2011	16:05:54	0.007
80	04/14/2011	16:10:54	0.007
81	04/14/2011	16:15:54	0.007
82	04/14/2011	16:20:54	0.006
83	04/14/2011	16:25:54	0.006
84	04/14/2011	16:30:54	0.007
85	04/14/2011	16:35:54	0.006
86	04/14/2011	16:40:54	0.007
87	04/14/2011	16:45:54	0.006

# Test 004

Instrument		Data Properties	
Model	Dust Trak	Start Date	04/14/2011
Meter S/N	85201834	Start Time	09:22:36
		Stop Date	04/14/2011
		Stop Time	16:47:36
		Total Time	0:07:25:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	04/14/2011	09:27:36	0.027
2	04/14/2011	09:32:36	0.027
3	04/14/2011	09:37:36	0.032
4	04/14/2011	09:42:36	0.034
5	04/14/2011	09:47:36	0.044
6	04/14/2011	09:52:36	0.025
7	04/14/2011	09:57:36	0.022
8	04/14/2011	10:02:36	0.027
9	04/14/2011	10:07:36	0.021
10	04/14/2011	10:12:36	0.025
11	04/14/2011	10:17:36	0.020
12	04/14/2011	10:22:36	0.016
13	04/14/2011	10:27:36	0.016
14	04/14/2011	10:32:36	0.015
15	04/14/2011	10:37:36	0.016
16	04/14/2011	10:42:36	0.015
17	04/14/2011	10:47:36	0.015
18	04/14/2011	10:52:36	0.015
19	04/14/2011	10:57:36	0.016
20	04/14/2011	11:02:36	0.015
21	04/14/2011	11:07:36	0.015
22	04/14/2011	11:12:36	0.015
23	04/14/2011	11:17:36	0.015
24	04/14/2011	11:22:36	0.014
25	04/14/2011	11:27:36	0.014
26	04/14/2011	11:32:36	0.015
27	04/14/2011	11:37:36	0.014
28	04/14/2011	11:42:36	0.014
29	04/14/2011	11:47:36	0.026
30	04/14/2011	11:52:36	0.031
31	04/14/2011	11:57:36	0.031
32	04/14/2011	12:02:36	0.015
33	04/14/2011	12:07:36	0.030
34	04/14/2011	12:12:36	0.037
35	04/14/2011	12:17:36	0.039
36	04/14/2011	12:22:36	0.043
37	04/14/2011	12:27:36	0.036
38	04/14/2011	12:32:36	0.037
39	04/14/2011	12:37:36	0.018
40	04/14/2011	12:42:36	0.036
41	04/14/2011	12:47:36	0.033
42	04/14/2011	12:52:36	0.037
43	04/14/2011	12:57:36	0.018

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	04/14/2011	13:02:36	0.038
45	04/14/2011	13:07:36	0.027
46	04/14/2011	13:12:36	0.017
47	04/14/2011	13:17:36	0.029
48	04/14/2011	13:22:36	0.030
49	04/14/2011	13:27:36	0.038
50	04/14/2011	13:32:36	0.028
51	04/14/2011	13:37:36	0.040
52	04/14/2011	13:42:36	0.040
53	04/14/2011	13:47:36	0.042
54	04/14/2011	13:52:36	0.041
55	04/14/2011	13:57:36	0.040
56	04/14/2011	14:02:36	0.043
57	04/14/2011	14:07:36	0.042
58	04/14/2011	14:12:36	0.041
59	04/14/2011	14:17:36	0.042
60	04/14/2011	14:22:36	0.046
61	04/14/2011	14:27:36	0.050
62	04/14/2011	14:32:36	0.043
63	04/14/2011	14:37:36	0.023
64	04/14/2011	14:42:36	0.020
65	04/14/2011	14:47:36	0.019
66	04/14/2011	14:52:36	0.018
67	04/14/2011	14:57:36	0.015
68	04/14/2011	15:02:36	0.012
69	04/14/2011	15:07:36	0.021
70	04/14/2011	15:12:36	0.023
71	04/14/2011	15:17:36	0.017
72	04/14/2011	15:22:36	0.029
73	04/14/2011	15:27:36	0.030
74	04/14/2011	15:32:36	0.016
75	04/14/2011	15:37:36	0.013
76	04/14/2011	15:42:36	0.010
77	04/14/2011	15:47:36	0.009
78	04/14/2011	15:52:36	0.008
79	04/14/2011	15:57:36	0.008
80	04/14/2011	16:02:36	0.008
81	04/14/2011	16:07:36	0.008
82	04/14/2011	16:12:36	0.012
83	04/14/2011	16:17:36	0.009
84	04/14/2011	16:22:36	0.008
85	04/14/2011	16:27:36	0.007
86	04/14/2011	16:32:36	0.008
87	04/14/2011	16:37:36	0.008
88	04/14/2011	16:42:36	0.007
89	04/14/2011	16:47:36	0.007

# Test 002

Instrument		Data Properties	
Model	Dust Trak	Start Date	04/15/2011
Meter S/N	22812	Start Time	08:27:36
		Stop Date	04/15/2011
		Stop Time	08:57:36
		Total Time	0:00:30:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	04/15/2011	08:32:36	0.022
2	04/15/2011	08:37:36	0.030
3	04/15/2011	08:42:36	0.021
4	04/15/2011	08:47:36	0.028
5	04/15/2011	08:52:36	0.021
6	04/15/2011	08:57:36	0.041

# Test 002

Instrument		Data Properties	
Model	Dust Trak	Start Date	05/04/2011
Meter S/N	85201531	Start Time	07:58:49
		Stop Date	05/04/2011
		Stop Time	14:58:49
		Total Time	0:07:00:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	05/04/2011	08:03:49	0.014
2	05/04/2011	08:08:49	0.012
3	05/04/2011	08:13:49	0.014
4	05/04/2011	08:18:49	0.015
5	05/04/2011	08:23:49	0.014
6	05/04/2011	08:28:49	0.009
7	05/04/2011	08:33:49	0.007
8	05/04/2011	08:38:49	0.008
9	05/04/2011	08:43:49	0.007
10	05/04/2011	08:48:49	0.005
11	05/04/2011	08:53:49	0.006
12	05/04/2011	08:58:49	0.008
13	05/04/2011	09:03:49	0.014
14	05/04/2011	09:08:49	0.008
15	05/04/2011	09:13:49	0.011
16	05/04/2011	09:18:49	0.009
17	05/04/2011	09:23:49	0.010
18	05/04/2011	09:28:49	0.009
19	05/04/2011	09:33:49	0.015
20	05/04/2011	09:38:49	0.008
21	05/04/2011	09:43:49	0.009
22	05/04/2011	09:48:49	0.008
23	05/04/2011	09:53:49	0.010
24	05/04/2011	09:58:49	0.014
25	05/04/2011	10:03:49	0.020
26	05/04/2011	10:08:49	0.019
27	05/04/2011	10:13:49	0.021
28	05/04/2011	10:18:49	0.020
29	05/04/2011	10:23:49	0.030
30	05/04/2011	10:28:49	0.026
31	05/04/2011	10:33:49	0.033
32	05/04/2011	10:38:49	0.029
33	05/04/2011	10:43:49	0.031
34	05/04/2011	10:48:49	0.039
35	05/04/2011	10:53:49	0.026
36	05/04/2011	10:58:49	0.016
37	05/04/2011	11:03:49	0.027
38	05/04/2011	11:08:49	0.015
39	05/04/2011	11:13:49	0.022
40	05/04/2011	11:18:49	0.020
41	05/04/2011	11:23:49	0.020
42	05/04/2011	11:28:49	0.009
43	05/04/2011	11:33:49	0.006

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	05/04/2011	11:38:49	0.007
45	05/04/2011	11:43:49	0.006
46	05/04/2011	11:48:49	0.007
47	05/04/2011	11:53:49	0.007
48	05/04/2011	11:58:49	0.006
49	05/04/2011	12:03:49	0.006
50	05/04/2011	12:08:49	0.006
51	05/04/2011	12:13:49	0.007
52	05/04/2011	12:18:49	0.005
53	05/04/2011	12:23:49	0.007
54	05/04/2011	12:28:49	0.008
55	05/04/2011	12:33:49	0.006
56	05/04/2011	12:38:49	0.006
57	05/04/2011	12:43:49	0.007
58	05/04/2011	12:48:49	0.010
59	05/04/2011	12:53:49	0.005
60	05/04/2011	12:58:49	0.005
61	05/04/2011	13:03:49	0.007
62	05/04/2011	13:08:49	0.008
63	05/04/2011	13:13:49	0.011
64	05/04/2011	13:18:49	0.008
65	05/04/2011	13:23:49	0.006
66	05/04/2011	13:28:49	0.005
67	05/04/2011	13:33:49	0.006
68	05/04/2011	13:38:49	0.008
69	05/04/2011	13:43:49	0.006
70	05/04/2011	13:48:49	0.007
71	05/04/2011	13:53:49	0.007
72	05/04/2011	13:58:49	0.007
73	05/04/2011	14:03:49	0.008
74	05/04/2011	14:08:49	0.006
75	05/04/2011	14:13:49	0.007
76	05/04/2011	14:18:49	0.006
77	05/04/2011	14:23:49	0.005
78	05/04/2011	14:28:49	0.006
79	05/04/2011	14:33:49	0.006
80	05/04/2011	14:38:49	0.006
81	05/04/2011	14:43:49	0.006
82	05/04/2011	14:48:49	0.005
83	05/04/2011	14:53:49	0.005
84	05/04/2011	14:58:49	0.004

# Test 003

Instrument		Data Properties	
Model	Dust Trak	Start Date	04/15/2011
Meter S/N	22812	Start Time	09:02:10
		Stop Date	04/15/2011
		Stop Time	12:17:10
		Total Time	0:03:15:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	04/15/2011	09:07:10	0.049
2	04/15/2011	09:12:10	0.021
3	04/15/2011	09:17:10	0.014
4	04/15/2011	09:22:10	0.011
5	04/15/2011	09:27:10	0.007
6	04/15/2011	09:32:10	0.013
7	04/15/2011	09:37:10	0.007
8	04/15/2011	09:42:10	0.020
9	04/15/2011	09:47:10	0.011
10	04/15/2011	09:52:10	0.007
11	04/15/2011	09:57:10	0.009
12	04/15/2011	10:02:10	0.008
13	04/15/2011	10:07:10	0.009
14	04/15/2011	10:12:10	0.022
15	04/15/2011	10:17:10	0.011
16	04/15/2011	10:22:10	0.014
17	04/15/2011	10:27:10	0.007
18	04/15/2011	10:32:10	0.008
19	04/15/2011	10:37:10	0.018
20	04/15/2011	10:42:10	0.021
21	04/15/2011	10:47:10	0.014
22	04/15/2011	10:52:10	0.016
23	04/15/2011	10:57:10	0.010
24	04/15/2011	11:02:10	0.011
25	04/15/2011	11:07:10	0.009
26	04/15/2011	11:12:10	0.017
27	04/15/2011	11:17:10	0.078
28	04/15/2011	11:22:10	0.038
29	04/15/2011	11:27:10	0.020
30	04/15/2011	11:32:10	0.074
31	04/15/2011	11:37:10	0.058
32	04/15/2011	11:42:10	0.010
33	04/15/2011	11:47:10	0.008
34	04/15/2011	11:52:10	0.008
35	04/15/2011	11:57:10	0.011
36	04/15/2011	12:02:10	0.008
37	04/15/2011	12:07:10	0.021
38	04/15/2011	12:12:10	0.007
39	04/15/2011	12:17:10	0.018



# Test 005

Instrument		Data Properties	
Model	Dust Trak	Start Date	04/15/2011
Meter S/N	85201834	Start Time	08:57:11
		Stop Date	04/15/2011
		Stop Time	16:07:11
		Total Time	0:07:10:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	04/15/2011	09:02:11	0.013
2	04/15/2011	09:07:11	0.013
3	04/15/2011	09:12:11	0.014
4	04/15/2011	09:17:11	0.013
5	04/15/2011	09:22:11	0.014
6	04/15/2011	09:27:11	0.014
7	04/15/2011	09:32:11	0.013
8	04/15/2011	09:37:11	0.014
9	04/15/2011	09:42:11	0.018
10	04/15/2011	09:47:11	0.014
11	04/15/2011	09:52:11	0.013
12	04/15/2011	09:57:11	0.014
13	04/15/2011	10:02:11	0.014
14	04/15/2011	10:07:11	0.015
15	04/15/2011	10:12:11	0.014
16	04/15/2011	10:17:11	0.015
17	04/15/2011	10:22:11	0.014
18	04/15/2011	10:27:11	0.017
19	04/15/2011	10:32:11	0.014
20	04/15/2011	10:37:11	0.015
21	04/15/2011	10:42:11	0.014
22	04/15/2011	10:47:11	0.015
23	04/15/2011	10:52:11	0.015
24	04/15/2011	10:57:11	0.016
25	04/15/2011	11:02:11	0.015
26	04/15/2011	11:07:11	0.014
27	04/15/2011	11:12:11	0.018
28	04/15/2011	11:17:11	0.016
29	04/15/2011	11:22:11	0.016
30	04/15/2011	11:27:11	0.015
31	04/15/2011	11:32:11	0.016
32	04/15/2011	11:37:11	0.022
33	04/15/2011	11:42:11	0.018
34	04/15/2011	11:47:11	0.017
35	04/15/2011	11:52:11	0.017
36	04/15/2011	11:57:11	0.019
37	04/15/2011	12:02:11	0.016
38	04/15/2011	12:07:11	0.016
39	04/15/2011	12:12:11	0.016
40	04/15/2011	12:17:11	0.018
41	04/15/2011	12:22:11	0.016
42	04/15/2011	12:27:11	0.016
43	04/15/2011	12:32:11	0.016

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	04/15/2011	12:37:11	0.016
45	04/15/2011	12:42:11	0.016
46	04/15/2011	12:47:11	0.015
47	04/15/2011	12:52:11	0.017
48	04/15/2011	12:57:11	0.016
49	04/15/2011	13:02:11	0.016
50	04/15/2011	13:07:11	0.016
51	04/15/2011	13:12:11	0.017
52	04/15/2011	13:17:11	0.017
53	04/15/2011	13:22:11	0.016
54	04/15/2011	13:27:11	0.016
55	04/15/2011	13:32:11	0.016
56	04/15/2011	13:37:11	0.015
57	04/15/2011	13:42:11	0.015
58	04/15/2011	13:47:11	0.023
59	04/15/2011	13:52:11	0.018
60	04/15/2011	13:57:11	0.019
61	04/15/2011	14:02:11	0.015
62	04/15/2011	14:07:11	0.016
63	04/15/2011	14:12:11	0.017
64	04/15/2011	14:17:11	0.017
65	04/15/2011	14:22:11	0.020
66	04/15/2011	14:27:11	0.017
67	04/15/2011	14:32:11	0.017
68	04/15/2011	14:37:11	0.021
69	04/15/2011	14:42:11	0.019
70	04/15/2011	14:47:11	0.026
71	04/15/2011	14:52:11	0.018
72	04/15/2011	14:57:11	0.024
73	04/15/2011	15:02:11	0.017
74	04/15/2011	15:07:11	0.018
75	04/15/2011	15:12:11	0.020
76	04/15/2011	15:17:11	0.017
77	04/15/2011	15:22:11	0.017
78	04/15/2011	15:27:11	0.017
79	04/15/2011	15:32:11	0.034
80	04/15/2011	15:37:11	0.041
81	04/15/2011	15:42:11	0.037
82	04/15/2011	15:47:11	0.036
83	04/15/2011	15:52:11	0.035
84	04/15/2011	15:57:11	0.034
85	04/15/2011	16:02:11	0.031
86	04/15/2011	16:07:11	0.040

# Test 001

Instrument		Data Properties	
Model	Dust Trak	Start Date	05/02/2011
Meter S/N	85200608	Start Time	10:14:16
		Stop Date	05/02/2011
		Stop Time	13:34:16
		Total Time	0:03:20:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	05/02/2011	10:19:16	0.037
2	05/02/2011	10:24:16	0.038
3	05/02/2011	10:29:16	0.038
4	05/02/2011	10:34:16	0.039
5	05/02/2011	10:39:16	0.039
6	05/02/2011	10:44:16	0.039
7	05/02/2011	10:49:16	0.039
8	05/02/2011	10:54:16	0.039
9	05/02/2011	10:59:16	0.040
10	05/02/2011	11:04:16	0.040
11	05/02/2011	11:09:16	0.040
12	05/02/2011	11:14:16	0.039
13	05/02/2011	11:19:16	0.040
14	05/02/2011	11:24:16	0.039
15	05/02/2011	11:29:16	0.038
16	05/02/2011	11:34:16	0.038
17	05/02/2011	11:39:16	0.039
18	05/02/2011	11:44:16	0.039
19	05/02/2011	11:49:16	0.038
20	05/02/2011	11:54:16	0.037
21	05/02/2011	11:59:16	0.038
22	05/02/2011	12:04:16	0.038
23	05/02/2011	12:09:16	0.038
24	05/02/2011	12:14:16	0.038
25	05/02/2011	12:19:16	0.039
26	05/02/2011	12:24:16	0.039
27	05/02/2011	12:29:16	0.040
28	05/02/2011	12:34:16	0.039
29	05/02/2011	12:39:16	0.039
30	05/02/2011	12:44:16	0.040
31	05/02/2011	12:49:16	0.040
32	05/02/2011	12:54:16	0.043
33	05/02/2011	12:59:16	0.033
34	05/02/2011	13:04:16	0.025
35	05/02/2011	13:09:16	0.022
36	05/02/2011	13:14:16	0.020
37	05/02/2011	13:19:16	0.021
38	05/02/2011	13:24:16	0.023
39	05/02/2011	13:29:16	0.025
40	05/02/2011	13:34:16	0.026

# Test 001

Instrument		Data Properties	
Model	Dust Trak	Start Date	05/02/2011
Meter S/N	85201531	Start Time	10:21:06
		Stop Date	05/02/2011
		Stop Time	13:36:06
		Total Time	0:03:15:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	05/02/2011	10:26:06	0.042
2	05/02/2011	10:31:06	0.045
3	05/02/2011	10:36:06	0.045
4	05/02/2011	10:41:06	0.042
5	05/02/2011	10:46:06	0.043
6	05/02/2011	10:51:06	0.044
7	05/02/2011	10:56:06	0.045
8	05/02/2011	11:01:06	0.044
9	05/02/2011	11:06:06	0.044
10	05/02/2011	11:11:06	0.043
11	05/02/2011	11:16:06	0.045
12	05/02/2011	11:21:06	0.045
13	05/02/2011	11:26:06	0.042
14	05/02/2011	11:31:06	0.044
15	05/02/2011	11:36:06	0.044
16	05/02/2011	11:41:06	0.044
17	05/02/2011	11:46:06	0.044
18	05/02/2011	11:51:06	0.043
19	05/02/2011	11:56:06	0.043
20	05/02/2011	12:01:06	0.044
21	05/02/2011	12:06:06	0.041
22	05/02/2011	12:11:06	0.041
23	05/02/2011	12:16:06	0.042
24	05/02/2011	12:21:06	0.044
25	05/02/2011	12:26:06	0.045
26	05/02/2011	12:31:06	0.043
27	05/02/2011	12:36:06	0.043
28	05/02/2011	12:41:06	0.043
29	05/02/2011	12:46:06	0.043
30	05/02/2011	12:51:06	0.044
31	05/02/2011	12:56:06	0.046
32	05/02/2011	13:01:06	0.028
33	05/02/2011	13:06:06	0.026
34	05/02/2011	13:11:06	0.021
35	05/02/2011	13:16:06	0.022
36	05/02/2011	13:21:06	0.023
37	05/02/2011	13:26:06	0.026
38	05/02/2011	13:31:06	0.027
39	05/02/2011	13:36:06	0.028

# Test 002

Instrument		Data Properties	
Model	Dust Trak	Start Date	05/04/2011
Meter S/N	85200608	Start Time	08:02:22
		Stop Date	05/04/2011
		Stop Time	15:02:22
		Total Time	0:07:00:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	05/04/2011	08:07:22	0.010
2	05/04/2011	08:12:22	0.009
3	05/04/2011	08:17:22	0.008
4	05/04/2011	08:22:22	0.009
5	05/04/2011	08:27:22	0.008
6	05/04/2011	08:32:22	0.007
7	05/04/2011	08:37:22	0.008
8	05/04/2011	08:42:22	0.007
9	05/04/2011	08:47:22	0.006
10	05/04/2011	08:52:22	0.006
11	05/04/2011	08:57:22	0.006
12	05/04/2011	09:02:22	0.005
13	05/04/2011	09:07:22	0.005
14	05/04/2011	09:12:22	0.006
15	05/04/2011	09:17:22	0.005
16	05/04/2011	09:22:22	0.005
17	05/04/2011	09:27:22	0.005
18	05/04/2011	09:32:22	0.005
19	05/04/2011	09:37:22	0.005
20	05/04/2011	09:42:22	0.005
21	05/04/2011	09:47:22	0.005
22	05/04/2011	09:52:22	0.005
23	05/04/2011	09:57:22	0.005
24	05/04/2011	10:02:22	0.005
25	05/04/2011	10:07:22	0.006
26	05/04/2011	10:12:22	0.005
27	05/04/2011	10:17:22	0.005
28	05/04/2011	10:22:22	0.004
29	05/04/2011	10:27:22	0.005
30	05/04/2011	10:32:22	0.006
31	05/04/2011	10:37:22	0.005
32	05/04/2011	10:42:22	0.005
33	05/04/2011	10:47:22	0.006
34	05/04/2011	10:52:22	0.005
35	05/04/2011	10:57:22	0.006
36	05/04/2011	11:02:22	0.006
37	05/04/2011	11:07:22	0.006
38	05/04/2011	11:12:22	0.006
39	05/04/2011	11:17:22	0.006
40	05/04/2011	11:22:22	0.006
41	05/04/2011	11:27:22	0.005
42	05/04/2011	11:32:22	0.006
43	05/04/2011	11:37:22	0.007

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	05/04/2011	11:42:22	0.007
45	05/04/2011	11:47:22	0.007
46	05/04/2011	11:52:22	0.006
47	05/04/2011	11:57:22	0.007
48	05/04/2011	12:02:22	0.006
49	05/04/2011	12:07:22	0.006
50	05/04/2011	12:12:22	0.006
51	05/04/2011	12:17:22	0.007
52	05/04/2011	12:22:22	0.007
53	05/04/2011	12:27:22	0.007
54	05/04/2011	12:32:22	0.006
55	05/04/2011	12:37:22	0.007
56	05/04/2011	12:42:22	0.007
57	05/04/2011	12:47:22	0.006
58	05/04/2011	12:52:22	0.007
59	05/04/2011	12:57:22	0.006
60	05/04/2011	13:02:22	0.006
61	05/04/2011	13:07:22	0.007
62	05/04/2011	13:12:22	0.007
63	05/04/2011	13:17:22	0.007
64	05/04/2011	13:22:22	0.006
65	05/04/2011	13:27:22	0.006
66	05/04/2011	13:32:22	0.007
67	05/04/2011	13:37:22	0.007
68	05/04/2011	13:42:22	0.007
69	05/04/2011	13:47:22	0.007
70	05/04/2011	13:52:22	0.007
71	05/04/2011	13:57:22	0.007
72	05/04/2011	14:02:22	0.007
73	05/04/2011	14:07:22	0.006
74	05/04/2011	14:12:22	0.006
75	05/04/2011	14:17:22	0.006
76	05/04/2011	14:22:22	0.006
77	05/04/2011	14:27:22	0.006
78	05/04/2011	14:32:22	0.006
79	05/04/2011	14:37:22	0.006
80	05/04/2011	14:42:22	0.006
81	05/04/2011	14:47:22	0.006
82	05/04/2011	14:52:22	0.005
83	05/04/2011	14:57:22	0.005
84	05/04/2011	15:02:22	0.004

# Test 003

Instrument		Data Properties	
Model	Dust Trak	Start Date	05/05/2011
Meter S/N	85200608	Start Time	08:30:12
		Stop Date	05/05/2011
		Stop Time	10:20:12
		Total Time	0:01:50:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	05/05/2011	08:35:12	0.007
2	05/05/2011	08:40:12	0.006
3	05/05/2011	08:45:12	0.006
4	05/05/2011	08:50:12	0.007
5	05/05/2011	08:55:12	0.006
6	05/05/2011	09:00:12	0.006
7	05/05/2011	09:05:12	0.007
8	05/05/2011	09:10:12	0.006
9	05/05/2011	09:15:12	0.007
10	05/05/2011	09:20:12	0.006
11	05/05/2011	09:25:12	0.006
12	05/05/2011	09:30:12	0.006
13	05/05/2011	09:35:12	0.006
14	05/05/2011	09:40:12	0.006
15	05/05/2011	09:45:12	0.006
16	05/05/2011	09:50:12	0.006
17	05/05/2011	09:55:12	0.006
18	05/05/2011	10:00:12	0.006
19	05/05/2011	10:05:12	0.007
20	05/05/2011	10:10:12	0.006
21	05/05/2011	10:15:12	0.007
22	05/05/2011	10:20:12	0.006

# Test 003

Instrument		Data Properties	
Model	Dust Trak	Start Date	05/05/2011
Meter S/N	85201531	Start Time	08:35:14
		Stop Date	05/05/2011
		Stop Time	13:55:14
		Total Time	0:05:20:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	05/05/2011	08:40:14	0.008
2	05/05/2011	08:45:14	0.011
3	05/05/2011	08:50:14	0.017
4	05/05/2011	08:55:14	0.013
5	05/05/2011	09:00:14	0.017
6	05/05/2011	09:05:14	0.013
7	05/05/2011	09:10:14	0.011
8	05/05/2011	09:15:14	0.013
9	05/05/2011	09:20:14	0.008
10	05/05/2011	09:25:14	0.013
11	05/05/2011	09:30:14	0.013
12	05/05/2011	09:35:14	0.012
13	05/05/2011	09:40:14	0.013
14	05/05/2011	09:45:14	0.009
15	05/05/2011	09:50:14	0.011
16	05/05/2011	09:55:14	0.016
17	05/05/2011	10:00:14	0.008
18	05/05/2011	10:05:14	0.008
19	05/05/2011	10:10:14	0.008
20	05/05/2011	10:15:14	0.008
21	05/05/2011	10:20:14	0.012
22	05/05/2011	10:25:14	0.009
23	05/05/2011	10:30:14	0.009
24	05/05/2011	10:35:14	0.007
25	05/05/2011	10:40:14	0.008
26	05/05/2011	10:45:14	0.011
27	05/05/2011	10:50:14	0.029
28	05/05/2011	10:55:14	0.012
29	05/05/2011	11:00:14	0.012
30	05/05/2011	11:05:14	0.008
31	05/05/2011	11:10:14	0.011
32	05/05/2011	11:15:14	0.011
33	05/05/2011	11:20:14	0.009
34	05/05/2011	11:25:14	0.027
35	05/05/2011	11:30:14	0.025
36	05/05/2011	11:35:14	0.009
37	05/05/2011	11:40:14	0.011
38	05/05/2011	11:45:14	0.008
39	05/05/2011	11:50:14	0.009
40	05/05/2011	11:55:14	0.031
41	05/05/2011	12:00:14	0.015
42	05/05/2011	12:05:14	0.011
43	05/05/2011	12:10:14	0.018



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	05/05/2011	12:15:14	0.012
45	05/05/2011	12:20:14	0.011
46	05/05/2011	12:25:14	0.026
47	05/05/2011	12:30:14	0.010
48	05/05/2011	12:35:14	0.010
49	05/05/2011	12:40:14	0.010
50	05/05/2011	12:45:14	0.013
51	05/05/2011	12:50:14	0.029
52	05/05/2011	12:55:14	0.028
53	05/05/2011	13:00:14	0.017
54	05/05/2011	13:05:14	0.010
55	05/05/2011	13:10:14	0.011
56	05/05/2011	13:15:14	0.012
57	05/05/2011	13:20:14	0.044
58	05/05/2011	13:25:14	0.021
59	05/05/2011	13:30:14	0.018
60	05/05/2011	13:35:14	0.048
61	05/05/2011	13:40:14	0.010
62	05/05/2011	13:45:14	0.160
63	05/05/2011	13:50:14	0.048
64	05/05/2011	13:55:14	0.018

# Test 004

Instrument		Data Properties	
Model	Dust Trak	Start Date	05/10/2011
Meter S/N	85200608	Start Time	10:52:35
		Stop Date	05/10/2011
		Stop Time	10:57:35
		Total Time	0:00:05:00

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	05/10/2011	10:57:35	0.011

# Test 004

Instrument		Data Properties	
Model	Dust Trak	Start Date	05/10/2011
Meter S/N	85201531	Start Time	10:50:31
		Stop Date	05/10/2011
		Stop Time	13:55:31
		Total Time	0:03:05:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	05/10/2011	10:55:31	0.007
2	05/10/2011	11:00:31	0.008
3	05/10/2011	11:05:31	0.008
4	05/10/2011	11:10:31	0.007
5	05/10/2011	11:15:31	0.008
6	05/10/2011	11:20:31	0.008
7	05/10/2011	11:25:31	0.008
8	05/10/2011	11:30:31	0.008
9	05/10/2011	11:35:31	0.009
10	05/10/2011	11:40:31	0.009
11	05/10/2011	11:45:31	0.010
12	05/10/2011	11:50:31	0.009
13	05/10/2011	11:55:31	0.009
14	05/10/2011	12:00:31	0.009
15	05/10/2011	12:05:31	0.009
16	05/10/2011	12:10:31	0.009
17	05/10/2011	12:15:31	0.010
18	05/10/2011	12:20:31	0.009
19	05/10/2011	12:25:31	0.009
20	05/10/2011	12:30:31	0.009
21	05/10/2011	12:35:31	0.009
22	05/10/2011	12:40:31	0.010
23	05/10/2011	12:45:31	0.009
24	05/10/2011	12:50:31	0.009
25	05/10/2011	12:55:31	0.010
26	05/10/2011	13:00:31	0.009
27	05/10/2011	13:05:31	0.009
28	05/10/2011	13:10:31	0.011
29	05/10/2011	13:15:31	0.009
30	05/10/2011	13:20:31	0.009
31	05/10/2011	13:25:31	0.009
32	05/10/2011	13:30:31	0.010
33	05/10/2011	13:35:31	0.010
34	05/10/2011	13:40:31	0.011
35	05/10/2011	13:45:31	0.009
36	05/10/2011	13:50:31	0.010
37	05/10/2011	13:55:31	0.011

# Test 001

Instrument		Data Properties	
Model	Dust Trak	Start Date	05/23/2011
Meter S/N	85201531	Start Time	11:39:25
		Stop Date	05/23/2011
		Stop Time	12:09:25
		Total Time	0:00:30:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	05/23/2011	11:44:25	0.049
2	05/23/2011	11:49:25	0.042
3	05/23/2011	11:54:25	0.036
4	05/23/2011	11:59:25	0.039
5	05/23/2011	12:04:25	0.037
6	05/23/2011	12:09:25	0.040

# Test 001

Instrument		Data Properties	
Model	Dust Trak	Start Date	05/23/2011
Meter S/N	85201796	Start Time	11:42:24
		Stop Date	05/23/2011
		Stop Time	12:12:24
		Total Time	0:00:30:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	05/23/2011	11:47:24	0.072
2	05/23/2011	11:52:24	0.100
3	05/23/2011	11:57:24	0.120
4	05/23/2011	12:02:24	0.074
5	05/23/2011	12:07:24	0.037
6	05/23/2011	12:12:24	0.039

# Test 001

Instrument		Data Properties	
Model	Dust Trak	Start Date	05/31/2011
Meter S/N	85201091	Start Time	10:54:31
		Stop Date	05/31/2011
		Stop Time	11:29:31
		Total Time	0:00:35:00
		Logging Interval	60 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	05/31/2011	10:55:31	0.084
2	05/31/2011	10:56:31	0.054
3	05/31/2011	10:57:31	0.035
4	05/31/2011	10:58:31	0.034
5	05/31/2011	10:59:31	0.041
6	05/31/2011	11:00:31	0.040
7	05/31/2011	11:01:31	0.036
8	05/31/2011	11:02:31	0.035
9	05/31/2011	11:03:31	0.034
10	05/31/2011	11:04:31	0.034
11	05/31/2011	11:05:31	0.031
12	05/31/2011	11:06:31	0.030
13	05/31/2011	11:07:31	0.026
14	05/31/2011	11:08:31	0.029
15	05/31/2011	11:09:31	0.032
16	05/31/2011	11:10:31	0.030
17	05/31/2011	11:11:31	0.026
18	05/31/2011	11:12:31	0.030
19	05/31/2011	11:13:31	0.035
20	05/31/2011	11:14:31	0.034
21	05/31/2011	11:15:31	0.033
22	05/31/2011	11:16:31	0.037
23	05/31/2011	11:17:31	0.031
24	05/31/2011	11:18:31	0.030
25	05/31/2011	11:19:31	0.027
26	05/31/2011	11:20:31	0.028
27	05/31/2011	11:21:31	0.029
28	05/31/2011	11:22:31	0.033
29	05/31/2011	11:23:31	0.032
30	05/31/2011	11:24:31	0.036
31	05/31/2011	11:25:31	0.037
32	05/31/2011	11:26:31	0.042
33	05/31/2011	11:27:31	0.056
34	05/31/2011	11:28:31	0.038
35	05/31/2011	11:29:31	0.031

# Test 001

Instrument		Data Properties	
Model	Dust Trak	Start Date	06/01/2011
Meter S/N	85202283	Start Time	07:57:11
		Stop Date	06/01/2011
		Stop Time	14:32:11
		Total Time	0:06:35:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	06/01/2011	08:02:11	0.035
2	06/01/2011	08:07:11	0.012
3	06/01/2011	08:12:11	0.005
4	06/01/2011	08:17:11	0.004
5	06/01/2011	08:22:11	0.004
6	06/01/2011	08:27:11	0.002
7	06/01/2011	08:32:11	0.001
8	06/01/2011	08:37:11	0.001
9	06/01/2011	08:42:11	0.001
10	06/01/2011	08:47:11	0.002
11	06/01/2011	08:52:11	0.001
12	06/01/2011	08:57:11	0.002
13	06/01/2011	09:02:11	0.001
14	06/01/2011	09:07:11	0.001
15	06/01/2011	09:12:11	0.002
16	06/01/2011	09:17:11	0.001
17	06/01/2011	09:22:11	0.001
18	06/01/2011	09:27:11	0.001
19	06/01/2011	09:32:11	0.000
20	06/01/2011	09:37:11	0.001
21	06/01/2011	09:42:11	0.000
22	06/01/2011	09:47:11	0.002
23	06/01/2011	09:52:11	0.001
24	06/01/2011	09:57:11	0.000
25	06/01/2011	10:02:11	0.001
26	06/01/2011	10:07:11	0.001
27	06/01/2011	10:12:11	0.000
28	06/01/2011	10:17:11	0.001
29	06/01/2011	10:22:11	0.000
30	06/01/2011	10:27:11	0.001
31	06/01/2011	10:32:11	0.004
32	06/01/2011	10:37:11	0.001
33	06/01/2011	10:42:11	0.002
34	06/01/2011	10:47:11	0.001
35	06/01/2011	10:52:11	0.000
36	06/01/2011	10:57:11	0.000
37	06/01/2011	11:02:11	0.000
38	06/01/2011	11:07:11	0.001
39	06/01/2011	11:12:11	0.001
40	06/01/2011	11:17:11	0.001
41	06/01/2011	11:22:11	0.000
42	06/01/2011	11:27:11	0.001
43	06/01/2011	11:32:11	0.001

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	06/01/2011	11:37:11	0.001
45	06/01/2011	11:42:11	0.001
46	06/01/2011	11:47:11	0.000
47	06/01/2011	11:52:11	0.000
48	06/01/2011	11:57:11	0.002
49	06/01/2011	12:02:11	0.000
50	06/01/2011	12:07:11	0.009
51	06/01/2011	12:12:11	0.000
52	06/01/2011	12:17:11	0.000
53	06/01/2011	12:22:11	0.001
54	06/01/2011	12:27:11	0.000
55	06/01/2011	12:32:11	0.000
56	06/01/2011	12:37:11	0.001
57	06/01/2011	12:42:11	0.000
58	06/01/2011	12:47:11	0.000
59	06/01/2011	12:52:11	0.000
60	06/01/2011	12:57:11	0.000
61	06/01/2011	13:02:11	0.000
62	06/01/2011	13:07:11	0.000
63	06/01/2011	13:12:11	0.000
64	06/01/2011	13:17:11	0.010
65	06/01/2011	13:22:11	0.002
66	06/01/2011	13:27:11	0.000
67	06/01/2011	13:32:11	0.000
68	06/01/2011	13:37:11	0.000
69	06/01/2011	13:42:11	0.001
70	06/01/2011	13:47:11	0.002
71	06/01/2011	13:52:11	0.002
72	06/01/2011	13:57:11	0.001
73	06/01/2011	14:02:11	0.002
74	06/01/2011	14:07:11	0.002
75	06/01/2011	14:12:11	0.000
76	06/01/2011	14:17:11	0.005
77	06/01/2011	14:22:11	0.000
78	06/01/2011	14:27:11	0.001
79	06/01/2011	14:32:11	0.002



# Test 002

Instrument		Data Properties	
Model	Dust Trak	Start Date	06/01/2011
Meter S/N	85201091	Start Time	08:02:26
		Stop Date	06/01/2011
		Stop Time	14:27:26
		Total Time	0:06:25:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	06/01/2011	08:07:26	0.114
2	06/01/2011	08:12:26	0.171
3	06/01/2011	08:17:26	0.138
4	06/01/2011	08:22:26	0.109
5	06/01/2011	08:27:26	0.094
6	06/01/2011	08:32:26	0.121
7	06/01/2011	08:37:26	0.149
8	06/01/2011	08:42:26	0.140
9	06/01/2011	08:47:26	0.077
10	06/01/2011	08:52:26	0.074
11	06/01/2011	08:57:26	0.106
12	06/01/2011	09:02:26	0.070
13	06/01/2011	09:07:26	0.073
14	06/01/2011	09:12:26	0.045
15	06/01/2011	09:17:26	0.043
16	06/01/2011	09:22:26	0.043
17	06/01/2011	09:27:26	0.039
18	06/01/2011	09:32:26	0.036
19	06/01/2011	09:37:26	0.060
20	06/01/2011	09:42:26	0.043
21	06/01/2011	09:47:26	0.101
22	06/01/2011	09:52:26	0.056
23	06/01/2011	09:57:26	0.079
24	06/01/2011	10:02:26	0.152
25	06/01/2011	10:07:26	0.040
26	06/01/2011	10:12:26	0.355
27	06/01/2011	10:17:26	0.140
28	06/01/2011	10:22:26	0.092
29	06/01/2011	10:27:26	0.137
30	06/01/2011	10:32:26	0.104
31	06/01/2011	10:37:26	0.224
32	06/01/2011	10:42:26	0.216
33	06/01/2011	10:47:26	0.042
34	06/01/2011	10:52:26	0.030
35	06/01/2011	10:57:26	0.029
36	06/01/2011	11:02:26	0.094
37	06/01/2011	11:07:26	0.184
38	06/01/2011	11:12:26	0.155
39	06/01/2011	11:17:26	0.156
40	06/01/2011	11:22:26	0.377
41	06/01/2011	11:27:26	0.182
42	06/01/2011	11:32:26	0.591
43	06/01/2011	11:37:26	0.181

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	06/01/2011	11:42:26	0.128
45	06/01/2011	11:47:26	0.101
46	06/01/2011	11:52:26	0.062
47	06/01/2011	11:57:26	0.056
48	06/01/2011	12:02:26	0.057
49	06/01/2011	12:07:26	0.159
50	06/01/2011	12:12:26	0.020
51	06/01/2011	12:17:26	0.059
52	06/01/2011	12:22:26	0.030
53	06/01/2011	12:27:26	0.063
54	06/01/2011	12:32:26	0.098
55	06/01/2011	12:37:26	0.293
56	06/01/2011	12:42:26	0.030
57	06/01/2011	12:47:26	0.020
58	06/01/2011	12:52:26	0.025
59	06/01/2011	12:57:26	0.015
60	06/01/2011	13:02:26	0.017
61	06/01/2011	13:07:26	0.018
62	06/01/2011	13:12:26	0.021
63	06/01/2011	13:17:26	0.045
64	06/01/2011	13:22:26	0.021
65	06/01/2011	13:27:26	0.023
66	06/01/2011	13:32:26	0.019
67	06/01/2011	13:37:26	0.019
68	06/01/2011	13:42:26	0.039
69	06/01/2011	13:47:26	0.025
70	06/01/2011	13:52:26	0.078
71	06/01/2011	13:57:26	0.046
72	06/01/2011	14:02:26	0.258
73	06/01/2011	14:07:26	0.055
74	06/01/2011	14:12:26	0.034
75	06/01/2011	14:17:26	0.104
76	06/01/2011	14:22:26	0.070
77	06/01/2011	14:27:26	0.215

# Test 002

Instrument		Data Properties	
Model	Dust Trak	Start Date	06/02/2011
Meter S/N	85202283	Start Time	08:20:35
		Stop Date	06/02/2011
		Stop Time	10:15:35
		Total Time	0:01:55:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	06/02/2011	08:25:35	0.001
2	06/02/2011	08:30:35	0.000
3	06/02/2011	08:35:35	0.000
4	06/02/2011	08:40:35	0.000
5	06/02/2011	08:45:35	0.001
6	06/02/2011	08:50:35	0.000
7	06/02/2011	08:55:35	0.000
8	06/02/2011	09:00:35	0.001
9	06/02/2011	09:05:35	0.001
10	06/02/2011	09:10:35	0.001
11	06/02/2011	09:15:35	0.000
12	06/02/2011	09:20:35	0.000
13	06/02/2011	09:25:35	0.000
14	06/02/2011	09:30:35	0.000
15	06/02/2011	09:35:35	0.001
16	06/02/2011	09:40:35	0.000
17	06/02/2011	09:45:35	0.000
18	06/02/2011	09:50:35	0.000
19	06/02/2011	09:55:35	0.001
20	06/02/2011	10:00:35	0.000
21	06/02/2011	10:05:35	0.000
22	06/02/2011	10:10:35	0.000
23	06/02/2011	10:15:35	0.000

# Test 003

Instrument		Data Properties	
Model	Dust Trak	Start Date	06/02/2011
Meter S/N	85201091	Start Time	08:22:18
		Stop Date	06/02/2011
		Stop Time	10:12:18
		Total Time	0:01:50:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	06/02/2011	08:27:18	0.022
2	06/02/2011	08:32:18	0.009
3	06/02/2011	08:37:18	0.033
4	06/02/2011	08:42:18	0.167
5	06/02/2011	08:47:18	0.009
6	06/02/2011	08:52:18	0.005
7	06/02/2011	08:57:18	0.033
8	06/02/2011	09:02:18	0.005
9	06/02/2011	09:07:18	0.010
10	06/02/2011	09:12:18	0.005
11	06/02/2011	09:17:18	0.007
12	06/02/2011	09:22:18	0.004
13	06/02/2011	09:27:18	0.003
14	06/02/2011	09:32:18	0.037
15	06/02/2011	09:37:18	0.134
16	06/02/2011	09:42:18	0.044
17	06/02/2011	09:47:18	0.012
18	06/02/2011	09:52:18	0.007
19	06/02/2011	09:57:18	0.031
20	06/02/2011	10:02:18	0.006
21	06/02/2011	10:07:18	0.049
22	06/02/2011	10:12:18	0.035

# Test 001

Instrument		Data Properties	
Model	Dust Trak	Start Date	07/05/2011
Meter S/N	85201091	Start Time	09:58:48
		Stop Date	07/05/2011
		Stop Time	16:02:48
		Total Time	0:06:04:00
		Logging Interval	60 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	07/05/2011	09:59:48	0.033
2	07/05/2011	10:00:48	0.023
3	07/05/2011	10:01:48	0.021
4	07/05/2011	10:02:48	0.020
5	07/05/2011	10:03:48	0.020
6	07/05/2011	10:04:48	0.019
7	07/05/2011	10:05:48	0.019
8	07/05/2011	10:06:48	0.018
9	07/05/2011	10:07:48	0.019
10	07/05/2011	10:08:48	0.021
11	07/05/2011	10:09:48	0.021
12	07/05/2011	10:10:48	0.020
13	07/05/2011	10:11:48	0.018
14	07/05/2011	10:12:48	0.017
15	07/05/2011	10:13:48	0.018
16	07/05/2011	10:14:48	0.019
17	07/05/2011	10:15:48	0.019
18	07/05/2011	10:16:48	0.019
19	07/05/2011	10:17:48	0.018
20	07/05/2011	10:18:48	0.017
21	07/05/2011	10:19:48	0.019
22	07/05/2011	10:20:48	0.020
23	07/05/2011	10:21:48	0.019
24	07/05/2011	10:22:48	0.020
25	07/05/2011	10:23:48	0.021
26	07/05/2011	10:24:48	0.020
27	07/05/2011	10:25:48	0.020
28	07/05/2011	10:26:48	0.020
29	07/05/2011	10:27:48	0.019
30	07/05/2011	10:28:48	0.020
31	07/05/2011	10:29:48	0.022
32	07/05/2011	10:30:48	0.017
33	07/05/2011	10:31:48	0.017
34	07/05/2011	10:32:48	0.019
35	07/05/2011	10:33:48	0.017
36	07/05/2011	10:34:48	0.018
37	07/05/2011	10:35:48	0.019
38	07/05/2011	10:36:48	0.018
39	07/05/2011	10:37:48	0.019
40	07/05/2011	10:38:48	0.018
41	07/05/2011	10:39:48	0.019
42	07/05/2011	10:40:48	0.019
43	07/05/2011	10:41:48	0.019

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	07/05/2011	10:42:48	0.020
45	07/05/2011	10:43:48	0.019
46	07/05/2011	10:44:48	0.020
47	07/05/2011	10:45:48	0.018
48	07/05/2011	10:46:48	0.017
49	07/05/2011	10:47:48	0.019
50	07/05/2011	10:48:48	0.018
51	07/05/2011	10:49:48	0.019
52	07/05/2011	10:50:48	0.017
53	07/05/2011	10:51:48	0.018
54	07/05/2011	10:52:48	0.019
55	07/05/2011	10:53:48	0.017
56	07/05/2011	10:54:48	0.018
57	07/05/2011	10:55:48	0.018
58	07/05/2011	10:56:48	0.018
59	07/05/2011	10:57:48	0.020
60	07/05/2011	10:58:48	0.020
61	07/05/2011	10:59:48	0.020
62	07/05/2011	11:00:48	0.017
63	07/05/2011	11:01:48	0.017
64	07/05/2011	11:02:48	0.018
65	07/05/2011	11:03:48	0.018
66	07/05/2011	11:04:48	0.018
67	07/05/2011	11:05:48	0.019
68	07/05/2011	11:06:48	0.019
69	07/05/2011	11:07:48	0.018
70	07/05/2011	11:08:48	0.018
71	07/05/2011	11:09:48	0.018
72	07/05/2011	11:10:48	0.019
73	07/05/2011	11:11:48	0.018
74	07/05/2011	11:12:48	0.018
75	07/05/2011	11:13:48	0.021
76	07/05/2011	11:14:48	0.024
77	07/05/2011	11:15:48	0.028
78	07/05/2011	11:16:48	0.020
79	07/05/2011	11:17:48	0.019
80	07/05/2011	11:18:48	0.019
81	07/05/2011	11:19:48	0.021
82	07/05/2011	11:20:48	0.018
83	07/05/2011	11:21:48	0.020
84	07/05/2011	11:22:48	0.019
85	07/05/2011	11:23:48	0.021
86	07/05/2011	11:24:48	0.018
87	07/05/2011	11:25:48	0.018
88	07/05/2011	11:26:48	0.019
89	07/05/2011	11:27:48	0.020
90	07/05/2011	11:28:48	0.021
91	07/05/2011	11:29:48	0.020
92	07/05/2011	11:30:48	0.020
93	07/05/2011	11:31:48	0.022
94	07/05/2011	11:32:48	0.020
95	07/05/2011	11:33:48	0.019
96	07/05/2011	11:34:48	0.019
97	07/05/2011	11:35:48	0.019
98	07/05/2011	11:36:48	0.022

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
99	07/05/2011	11:37:48	0.019
100	07/05/2011	11:38:48	0.018
101	07/05/2011	11:39:48	0.020
102	07/05/2011	11:40:48	0.017
103	07/05/2011	11:41:48	0.020
104	07/05/2011	11:42:48	0.020
105	07/05/2011	11:43:48	0.019
106	07/05/2011	11:44:48	0.018
107	07/05/2011	11:45:48	0.019
108	07/05/2011	11:46:48	0.018
109	07/05/2011	11:47:48	0.022
110	07/05/2011	11:48:48	0.018
111	07/05/2011	11:49:48	0.018
112	07/05/2011	11:50:48	0.018
113	07/05/2011	11:51:48	0.018
114	07/05/2011	11:52:48	0.017
115	07/05/2011	11:53:48	0.021
116	07/05/2011	11:54:48	0.020
117	07/05/2011	11:55:48	0.019
118	07/05/2011	11:56:48	0.019
119	07/05/2011	11:57:48	0.019
120	07/05/2011	11:58:48	0.021
121	07/05/2011	11:59:48	0.018
122	07/05/2011	12:00:48	0.019
123	07/05/2011	12:01:48	0.018
124	07/05/2011	12:02:48	0.020
125	07/05/2011	12:03:48	0.017
126	07/05/2011	12:04:48	0.018
127	07/05/2011	12:05:48	0.018
128	07/05/2011	12:06:48	0.017
129	07/05/2011	12:07:48	0.021
130	07/05/2011	12:08:48	0.018
131	07/05/2011	12:09:48	0.018
132	07/05/2011	12:10:48	0.018
133	07/05/2011	12:11:48	0.018
134	07/05/2011	12:12:48	0.019
135	07/05/2011	12:13:48	0.018
136	07/05/2011	12:14:48	0.019
137	07/05/2011	12:15:48	0.018
138	07/05/2011	12:16:48	0.019
139	07/05/2011	12:17:48	0.018
140	07/05/2011	12:18:48	0.017
141	07/05/2011	12:19:48	0.017
142	07/05/2011	12:20:48	0.018
143	07/05/2011	12:21:48	0.019
144	07/05/2011	12:22:48	0.019
145	07/05/2011	12:23:48	0.019
146	07/05/2011	12:24:48	0.019
147	07/05/2011	12:25:48	0.018
148	07/05/2011	12:26:48	0.018
149	07/05/2011	12:27:48	0.021
150	07/05/2011	12:28:48	0.022
151	07/05/2011	12:29:48	0.018
152	07/05/2011	12:30:48	0.019
153	07/05/2011	12:31:48	0.018

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
154	07/05/2011	12:32:48	0.020
155	07/05/2011	12:33:48	0.017
156	07/05/2011	12:34:48	0.020
157	07/05/2011	12:35:48	0.018
158	07/05/2011	12:36:48	0.020
159	07/05/2011	12:37:48	0.019
160	07/05/2011	12:38:48	0.018
161	07/05/2011	12:39:48	0.018
162	07/05/2011	12:40:48	0.019
163	07/05/2011	12:41:48	0.018
164	07/05/2011	12:42:48	0.021
165	07/05/2011	12:43:48	0.019
166	07/05/2011	12:44:48	0.019
167	07/05/2011	12:45:48	0.019
168	07/05/2011	12:46:48	0.019
169	07/05/2011	12:47:48	0.021
170	07/05/2011	12:48:48	0.021
171	07/05/2011	12:49:48	0.022
172	07/05/2011	12:50:48	0.019
173	07/05/2011	12:51:48	0.019
174	07/05/2011	12:52:48	0.022
175	07/05/2011	12:53:48	0.020
176	07/05/2011	12:54:48	0.020
177	07/05/2011	12:55:48	0.020
178	07/05/2011	12:56:48	0.020
179	07/05/2011	12:57:48	0.019
180	07/05/2011	12:58:48	0.020
181	07/05/2011	12:59:48	0.019
182	07/05/2011	13:00:48	0.023
183	07/05/2011	13:01:48	0.022
184	07/05/2011	13:02:48	0.021
185	07/05/2011	13:03:48	0.021
186	07/05/2011	13:04:48	0.020
187	07/05/2011	13:05:48	0.022
188	07/05/2011	13:06:48	0.021
189	07/05/2011	13:07:48	0.024
190	07/05/2011	13:08:48	0.022
191	07/05/2011	13:09:48	0.023
192	07/05/2011	13:10:48	0.021
193	07/05/2011	13:11:48	0.020
194	07/05/2011	13:12:48	0.020
195	07/05/2011	13:13:48	0.021
196	07/05/2011	13:14:48	0.021
197	07/05/2011	13:15:48	0.020
198	07/05/2011	13:16:48	0.021
199	07/05/2011	13:17:48	0.021
200	07/05/2011	13:18:48	0.024
201	07/05/2011	13:19:48	0.020
202	07/05/2011	13:20:48	0.020
203	07/05/2011	13:21:48	0.022
204	07/05/2011	13:22:48	0.021
205	07/05/2011	13:23:48	0.020
206	07/05/2011	13:24:48	0.021
207	07/05/2011	13:25:48	0.020
208	07/05/2011	13:26:48	0.019



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
209	07/05/2011	13:27:48	0.020
210	07/05/2011	13:28:48	0.021
211	07/05/2011	13:29:48	0.021
212	07/05/2011	13:30:48	0.022
213	07/05/2011	13:31:48	0.021
214	07/05/2011	13:32:48	0.019
215	07/05/2011	13:33:48	0.019
216	07/05/2011	13:34:48	0.021
217	07/05/2011	13:35:48	0.020
218	07/05/2011	13:36:48	0.021
219	07/05/2011	13:37:48	0.020
220	07/05/2011	13:38:48	0.020
221	07/05/2011	13:39:48	0.021
222	07/05/2011	13:40:48	0.020
223	07/05/2011	13:41:48	0.020
224	07/05/2011	13:42:48	0.019
225	07/05/2011	13:43:48	0.020
226	07/05/2011	13:44:48	0.020
227	07/05/2011	13:45:48	0.019
228	07/05/2011	13:46:48	0.020
229	07/05/2011	13:47:48	0.022
230	07/05/2011	13:48:48	0.020
231	07/05/2011	13:49:48	0.021
232	07/05/2011	13:50:48	0.020
233	07/05/2011	13:51:48	0.020
234	07/05/2011	13:52:48	0.020
235	07/05/2011	13:53:48	0.020
236	07/05/2011	13:54:48	0.021
237	07/05/2011	13:55:48	0.020
238	07/05/2011	13:56:48	0.019
239	07/05/2011	13:57:48	0.020
240	07/05/2011	13:58:48	0.020
241	07/05/2011	13:59:48	0.020
242	07/05/2011	14:00:48	0.019
243	07/05/2011	14:01:48	0.019
244	07/05/2011	14:02:48	0.020
245	07/05/2011	14:03:48	0.020
246	07/05/2011	14:04:48	0.020
247	07/05/2011	14:05:48	0.021
248	07/05/2011	14:06:48	0.021
249	07/05/2011	14:07:48	0.019
250	07/05/2011	14:08:48	0.019
251	07/05/2011	14:09:48	0.019
252	07/05/2011	14:10:48	0.019
253	07/05/2011	14:11:48	0.020
254	07/05/2011	14:12:48	0.019
255	07/05/2011	14:13:48	0.020
256	07/05/2011	14:14:48	0.019
257	07/05/2011	14:15:48	0.019
258	07/05/2011	14:16:48	0.021
259	07/05/2011	14:17:48	0.021
260	07/05/2011	14:18:48	0.020
261	07/05/2011	14:19:48	0.021
262	07/05/2011	14:20:48	0.022
263	07/05/2011	14:21:48	0.019

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
264	07/05/2011	14:22:48	0.019
265	07/05/2011	14:23:48	0.022
266	07/05/2011	14:24:48	0.020
267	07/05/2011	14:25:48	0.021
268	07/05/2011	14:26:48	0.020
269	07/05/2011	14:27:48	0.020
270	07/05/2011	14:28:48	0.020
271	07/05/2011	14:29:48	0.020
272	07/05/2011	14:30:48	0.020
273	07/05/2011	14:31:48	0.020
274	07/05/2011	14:32:48	0.020
275	07/05/2011	14:33:48	0.021
276	07/05/2011	14:34:48	0.021
277	07/05/2011	14:35:48	0.021
278	07/05/2011	14:36:48	0.020
279	07/05/2011	14:37:48	0.021
280	07/05/2011	14:38:48	0.022
281	07/05/2011	14:39:48	0.020
282	07/05/2011	14:40:48	0.021
283	07/05/2011	14:41:48	0.020
284	07/05/2011	14:42:48	0.020
285	07/05/2011	14:43:48	0.021
286	07/05/2011	14:44:48	0.021
287	07/05/2011	14:45:48	0.023
288	07/05/2011	14:46:48	0.022
289	07/05/2011	14:47:48	0.020
290	07/05/2011	14:48:48	0.022
291	07/05/2011	14:49:48	0.020
292	07/05/2011	14:50:48	0.021
293	07/05/2011	14:51:48	0.021
294	07/05/2011	14:52:48	0.020
295	07/05/2011	14:53:48	0.021
296	07/05/2011	14:54:48	0.021
297	07/05/2011	14:55:48	0.020
298	07/05/2011	14:56:48	0.021
299	07/05/2011	14:57:48	0.022
300	07/05/2011	14:58:48	0.020
301	07/05/2011	14:59:48	0.020
302	07/05/2011	15:00:48	0.023
303	07/05/2011	15:01:48	0.021
304	07/05/2011	15:02:48	0.021
305	07/05/2011	15:03:48	0.022
306	07/05/2011	15:04:48	0.021
307	07/05/2011	15:05:48	0.021
308	07/05/2011	15:06:48	0.020
309	07/05/2011	15:07:48	0.022
310	07/05/2011	15:08:48	0.021
311	07/05/2011	15:09:48	0.020
312	07/05/2011	15:10:48	0.020
313	07/05/2011	15:11:48	0.020
314	07/05/2011	15:12:48	0.020
315	07/05/2011	15:13:48	0.020
316	07/05/2011	15:14:48	0.020
317	07/05/2011	15:15:48	0.020
318	07/05/2011	15:16:48	0.021

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
319	07/05/2011	15:17:48	0.020
320	07/05/2011	15:18:48	0.021
321	07/05/2011	15:19:48	0.021
322	07/05/2011	15:20:48	0.022
323	07/05/2011	15:21:48	0.021
324	07/05/2011	15:22:48	0.021
325	07/05/2011	15:23:48	0.020
326	07/05/2011	15:24:48	0.020
327	07/05/2011	15:25:48	0.021
328	07/05/2011	15:26:48	0.020
329	07/05/2011	15:27:48	0.022
330	07/05/2011	15:28:48	0.021
331	07/05/2011	15:29:48	0.024
332	07/05/2011	15:30:48	0.021
333	07/05/2011	15:31:48	0.021
334	07/05/2011	15:32:48	0.020
335	07/05/2011	15:33:48	0.021
336	07/05/2011	15:34:48	0.022
337	07/05/2011	15:35:48	0.021
338	07/05/2011	15:36:48	0.020
339	07/05/2011	15:37:48	0.021
340	07/05/2011	15:38:48	0.021
341	07/05/2011	15:39:48	0.021
342	07/05/2011	15:40:48	0.023
343	07/05/2011	15:41:48	0.023
344	07/05/2011	15:42:48	0.023
345	07/05/2011	15:43:48	0.022
346	07/05/2011	15:44:48	0.024
347	07/05/2011	15:45:48	0.023
348	07/05/2011	15:46:48	0.021
349	07/05/2011	15:47:48	0.023
350	07/05/2011	15:48:48	0.023
351	07/05/2011	15:49:48	0.023
352	07/05/2011	15:50:48	0.023
353	07/05/2011	15:51:48	0.022
354	07/05/2011	15:52:48	0.024
355	07/05/2011	15:53:48	0.024
356	07/05/2011	15:54:48	0.024
357	07/05/2011	15:55:48	0.026
358	07/05/2011	15:56:48	0.024
359	07/05/2011	15:57:48	0.024
360	07/05/2011	15:58:48	0.024
361	07/05/2011	15:59:48	0.025
362	07/05/2011	16:00:48	0.023
363	07/05/2011	16:01:48	0.023
364	07/05/2011	16:02:48	0.026

# Test 001

Instrument		Data Properties	
Model	Dust Trak	Start Date	07/05/2011
Meter S/N	85201065	Start Time	10:31:55
		Stop Date	07/05/2011
		Stop Time	16:06:55
		Total Time	0:05:35:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	07/05/2011	10:36:55	0.020
2	07/05/2011	10:41:55	0.016
3	07/05/2011	10:46:55	0.016
4	07/05/2011	10:51:55	0.017
5	07/05/2011	10:56:55	0.015
6	07/05/2011	11:01:55	0.016
7	07/05/2011	11:06:55	0.017
8	07/05/2011	11:11:55	0.016
9	07/05/2011	11:16:55	0.016
10	07/05/2011	11:21:55	0.016
11	07/05/2011	11:26:55	0.016
12	07/05/2011	11:31:55	0.021
13	07/05/2011	11:36:55	0.017
14	07/05/2011	11:41:55	0.019
15	07/05/2011	11:46:55	0.015
16	07/05/2011	11:51:55	0.016
17	07/05/2011	11:56:55	0.017
18	07/05/2011	12:01:55	0.018
19	07/05/2011	12:06:55	0.017
20	07/05/2011	12:11:55	0.018
21	07/05/2011	12:16:55	0.015
22	07/05/2011	12:21:55	0.015
23	07/05/2011	12:26:55	0.016
24	07/05/2011	12:31:55	0.017
25	07/05/2011	12:36:55	0.016
26	07/05/2011	12:41:55	0.016
27	07/05/2011	12:46:55	0.016
28	07/05/2011	12:51:55	0.017
29	07/05/2011	12:56:55	0.019
30	07/05/2011	13:01:55	0.022
31	07/05/2011	13:06:55	0.021
32	07/05/2011	13:11:55	0.020
33	07/05/2011	13:16:55	0.022
34	07/05/2011	13:21:55	0.020
35	07/05/2011	13:26:55	0.018
36	07/05/2011	13:31:55	0.019
37	07/05/2011	13:36:55	0.017
38	07/05/2011	13:41:55	0.018
39	07/05/2011	13:46:55	0.017
40	07/05/2011	13:51:55	0.017
41	07/05/2011	13:56:55	0.017
42	07/05/2011	14:01:55	0.018
43	07/05/2011	14:06:55	0.017

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	07/05/2011	14:11:55	0.017
45	07/05/2011	14:16:55	0.016
46	07/05/2011	14:21:55	0.019
47	07/05/2011	14:26:55	0.016
48	07/05/2011	14:31:55	0.016
49	07/05/2011	14:36:55	0.016
50	07/05/2011	14:41:55	0.018
51	07/05/2011	14:46:55	0.019
52	07/05/2011	14:51:55	0.019
53	07/05/2011	14:56:55	0.017
54	07/05/2011	15:01:55	0.017
55	07/05/2011	15:06:55	0.019
56	07/05/2011	15:11:55	0.018
57	07/05/2011	15:16:55	0.017
58	07/05/2011	15:21:55	0.017
59	07/05/2011	15:26:55	0.017
60	07/05/2011	15:31:55	0.017
61	07/05/2011	15:36:55	0.017
62	07/05/2011	15:41:55	0.018
63	07/05/2011	15:46:55	0.019
64	07/05/2011	15:51:55	0.019
65	07/05/2011	15:56:55	0.020
66	07/05/2011	16:01:55	0.020
67	07/05/2011	16:06:55	0.027

# Test 002

Instrument		Data Properties	
Model	Dust Trak	Start Date	07/06/2011
Meter S/N	85201091	Start Time	10:11:04
		Stop Date	07/06/2011
		Stop Time	15:48:04
		Total Time	0:05:37:00
		Logging Interval	60 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	07/06/2011	10:12:04	0.033
2	07/06/2011	10:13:04	0.035
3	07/06/2011	10:14:04	0.038
4	07/06/2011	10:15:04	0.039
5	07/06/2011	10:16:04	0.035
6	07/06/2011	10:17:04	0.033
7	07/06/2011	10:18:04	0.035
8	07/06/2011	10:19:04	0.034
9	07/06/2011	10:20:04	0.035
10	07/06/2011	10:21:04	0.034
11	07/06/2011	10:22:04	0.034
12	07/06/2011	10:23:04	0.034
13	07/06/2011	10:24:04	0.037
14	07/06/2011	10:25:04	0.034
15	07/06/2011	10:26:04	0.033
16	07/06/2011	10:27:04	0.038
17	07/06/2011	10:28:04	0.032
18	07/06/2011	10:29:04	0.033
19	07/06/2011	10:30:04	0.033
20	07/06/2011	10:31:04	0.035
21	07/06/2011	10:32:04	0.033
22	07/06/2011	10:33:04	0.033
23	07/06/2011	10:34:04	0.033
24	07/06/2011	10:35:04	0.035
25	07/06/2011	10:36:04	0.033
26	07/06/2011	10:37:04	0.034
27	07/06/2011	10:38:04	0.033
28	07/06/2011	10:39:04	0.031
29	07/06/2011	10:40:04	0.033
30	07/06/2011	10:41:04	0.035
31	07/06/2011	10:42:04	0.033
32	07/06/2011	10:43:04	0.031
33	07/06/2011	10:44:04	0.033
34	07/06/2011	10:45:04	0.036
35	07/06/2011	10:46:04	0.031
36	07/06/2011	10:47:04	0.031
37	07/06/2011	10:48:04	0.031
38	07/06/2011	10:49:04	0.032
39	07/06/2011	10:50:04	0.032
40	07/06/2011	10:51:04	0.033
41	07/06/2011	10:52:04	0.031
42	07/06/2011	10:53:04	0.033
43	07/06/2011	10:54:04	0.033

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	07/06/2011	10:55:04	0.032
45	07/06/2011	10:56:04	0.036
46	07/06/2011	10:57:04	0.037
47	07/06/2011	10:58:04	0.032
48	07/06/2011	10:59:04	0.033
49	07/06/2011	11:00:04	0.031
50	07/06/2011	11:01:04	0.032
51	07/06/2011	11:02:04	0.032
52	07/06/2011	11:03:04	0.032
53	07/06/2011	11:04:04	0.031
54	07/06/2011	11:05:04	0.033
55	07/06/2011	11:06:04	0.034
56	07/06/2011	11:07:04	0.033
57	07/06/2011	11:08:04	0.030
58	07/06/2011	11:09:04	0.033
59	07/06/2011	11:10:04	0.031
60	07/06/2011	11:11:04	0.033
61	07/06/2011	11:12:04	0.031
62	07/06/2011	11:13:04	0.032
63	07/06/2011	11:14:04	0.031
64	07/06/2011	11:15:04	0.032
65	07/06/2011	11:16:04	0.031
66	07/06/2011	11:17:04	0.029
67	07/06/2011	11:18:04	0.030
68	07/06/2011	11:19:04	0.032
69	07/06/2011	11:20:04	0.034
70	07/06/2011	11:21:04	0.036
71	07/06/2011	11:22:04	0.033
72	07/06/2011	11:23:04	0.034
73	07/06/2011	11:24:04	0.033
74	07/06/2011	11:25:04	0.033
75	07/06/2011	11:26:04	0.033
76	07/06/2011	11:27:04	0.033
77	07/06/2011	11:28:04	0.032
78	07/06/2011	11:29:04	0.034
79	07/06/2011	11:30:04	0.034
80	07/06/2011	11:31:04	0.033
81	07/06/2011	11:32:04	0.033
82	07/06/2011	11:33:04	0.032
83	07/06/2011	11:34:04	0.033
84	07/06/2011	11:35:04	0.033
85	07/06/2011	11:36:04	0.033
86	07/06/2011	11:37:04	0.033
87	07/06/2011	11:38:04	0.035
88	07/06/2011	11:39:04	0.031
89	07/06/2011	11:40:04	0.033
90	07/06/2011	11:41:04	0.035
91	07/06/2011	11:42:04	0.040
92	07/06/2011	11:43:04	0.032
93	07/06/2011	11:44:04	0.034
94	07/06/2011	11:45:04	0.032
95	07/06/2011	11:46:04	0.033
96	07/06/2011	11:47:04	0.033
97	07/06/2011	11:48:04	0.032
98	07/06/2011	11:49:04	0.032

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
99	07/06/2011	11:50:04	0.032
100	07/06/2011	11:51:04	0.033
101	07/06/2011	11:52:04	0.032
102	07/06/2011	11:53:04	0.033
103	07/06/2011	11:54:04	0.032
104	07/06/2011	11:55:04	0.032
105	07/06/2011	11:56:04	0.033
106	07/06/2011	11:57:04	0.034
107	07/06/2011	11:58:04	0.036
108	07/06/2011	11:59:04	0.039
109	07/06/2011	12:00:04	0.038
110	07/06/2011	12:01:04	0.040
111	07/06/2011	12:02:04	0.039
112	07/06/2011	12:03:04	0.036
113	07/06/2011	12:04:04	0.035
114	07/06/2011	12:05:04	0.039
115	07/06/2011	12:06:04	0.038
116	07/06/2011	12:07:04	0.036
117	07/06/2011	12:08:04	0.036
118	07/06/2011	12:09:04	0.036
119	07/06/2011	12:10:04	0.038
120	07/06/2011	12:11:04	0.033
121	07/06/2011	12:12:04	0.053
122	07/06/2011	12:13:04	0.033
123	07/06/2011	12:14:04	0.037
124	07/06/2011	12:15:04	0.034
125	07/06/2011	12:16:04	0.031
126	07/06/2011	12:17:04	0.034
127	07/06/2011	12:18:04	0.033
128	07/06/2011	12:19:04	0.033
129	07/06/2011	12:20:04	0.035
130	07/06/2011	12:21:04	0.037
131	07/06/2011	12:22:04	0.038
132	07/06/2011	12:23:04	0.037
133	07/06/2011	12:24:04	0.036
134	07/06/2011	12:25:04	0.036
135	07/06/2011	12:26:04	0.035
136	07/06/2011	12:27:04	0.032
137	07/06/2011	12:28:04	0.033
138	07/06/2011	12:29:04	0.034
139	07/06/2011	12:30:04	0.035
140	07/06/2011	12:31:04	0.035
141	07/06/2011	12:32:04	0.035
142	07/06/2011	12:33:04	0.036
143	07/06/2011	12:34:04	0.036
144	07/06/2011	12:35:04	0.033
145	07/06/2011	12:36:04	0.034
146	07/06/2011	12:37:04	0.035
147	07/06/2011	12:38:04	0.035
148	07/06/2011	12:39:04	0.034
149	07/06/2011	12:40:04	0.032
150	07/06/2011	12:41:04	0.035
151	07/06/2011	12:42:04	0.034
152	07/06/2011	12:43:04	0.032
153	07/06/2011	12:44:04	0.030



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
154	07/06/2011	12:45:04	0.032
155	07/06/2011	12:46:04	0.033
156	07/06/2011	12:47:04	0.033
157	07/06/2011	12:48:04	0.032
158	07/06/2011	12:49:04	0.032
159	07/06/2011	12:50:04	0.030
160	07/06/2011	12:51:04	0.031
161	07/06/2011	12:52:04	0.032
162	07/06/2011	12:53:04	0.034
163	07/06/2011	12:54:04	0.033
164	07/06/2011	12:55:04	0.036
165	07/06/2011	12:56:04	0.037
166	07/06/2011	12:57:04	0.032
167	07/06/2011	12:58:04	0.037
168	07/06/2011	12:59:04	0.035
169	07/06/2011	13:00:04	0.036
170	07/06/2011	13:01:04	0.033
171	07/06/2011	13:02:04	0.032
172	07/06/2011	13:03:04	0.033
173	07/06/2011	13:04:04	0.037
174	07/06/2011	13:05:04	0.037
175	07/06/2011	13:06:04	0.035
176	07/06/2011	13:07:04	0.034
177	07/06/2011	13:08:04	0.035
178	07/06/2011	13:09:04	0.040
179	07/06/2011	13:10:04	0.036
180	07/06/2011	13:11:04	0.037
181	07/06/2011	13:12:04	0.036
182	07/06/2011	13:13:04	0.036
183	07/06/2011	13:14:04	0.034
184	07/06/2011	13:15:04	0.036
185	07/06/2011	13:16:04	0.035
186	07/06/2011	13:17:04	0.035
187	07/06/2011	13:18:04	0.035
188	07/06/2011	13:19:04	0.032
189	07/06/2011	13:20:04	0.038
190	07/06/2011	13:21:04	0.039
191	07/06/2011	13:22:04	0.037
192	07/06/2011	13:23:04	0.038
193	07/06/2011	13:24:04	0.035
194	07/06/2011	13:25:04	0.034
195	07/06/2011	13:26:04	0.038
196	07/06/2011	13:27:04	0.032
197	07/06/2011	13:28:04	0.033
198	07/06/2011	13:29:04	0.034
199	07/06/2011	13:30:04	0.036
200	07/06/2011	13:31:04	0.035
201	07/06/2011	13:32:04	0.037
202	07/06/2011	13:33:04	0.036
203	07/06/2011	13:34:04	0.037
204	07/06/2011	13:35:04	0.036
205	07/06/2011	13:36:04	0.036
206	07/06/2011	13:37:04	0.038
207	07/06/2011	13:38:04	0.037
208	07/06/2011	13:39:04	0.039

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
209	07/06/2011	13:40:04	0.037
210	07/06/2011	13:41:04	0.043
211	07/06/2011	13:42:04	0.039
212	07/06/2011	13:43:04	0.035
213	07/06/2011	13:44:04	0.038
214	07/06/2011	13:45:04	0.038
215	07/06/2011	13:46:04	0.038
216	07/06/2011	13:47:04	0.038
217	07/06/2011	13:48:04	0.038
218	07/06/2011	13:49:04	0.037
219	07/06/2011	13:50:04	0.038
220	07/06/2011	13:51:04	0.038
221	07/06/2011	13:52:04	0.039
222	07/06/2011	13:53:04	0.037
223	07/06/2011	13:54:04	0.035
224	07/06/2011	13:55:04	0.037
225	07/06/2011	13:56:04	0.031
226	07/06/2011	13:57:04	0.028
227	07/06/2011	13:58:04	0.031
228	07/06/2011	13:59:04	0.029
229	07/06/2011	14:00:04	0.026
230	07/06/2011	14:01:04	0.025
231	07/06/2011	14:02:04	0.033
232	07/06/2011	14:03:04	0.030
233	07/06/2011	14:04:04	0.025
234	07/06/2011	14:05:04	0.023
235	07/06/2011	14:06:04	0.028
236	07/06/2011	14:07:04	0.022
237	07/06/2011	14:08:04	0.023
238	07/06/2011	14:09:04	0.026
239	07/06/2011	14:10:04	0.022
240	07/06/2011	14:11:04	0.023
241	07/06/2011	14:12:04	0.024
242	07/06/2011	14:13:04	0.024
243	07/06/2011	14:14:04	0.024
244	07/06/2011	14:15:04	0.024
245	07/06/2011	14:16:04	0.024
246	07/06/2011	14:17:04	0.026
247	07/06/2011	14:18:04	0.026
248	07/06/2011	14:19:04	0.025
249	07/06/2011	14:20:04	0.025
250	07/06/2011	14:21:04	0.025
251	07/06/2011	14:22:04	0.025
252	07/06/2011	14:23:04	0.026
253	07/06/2011	14:24:04	0.026
254	07/06/2011	14:25:04	0.026
255	07/06/2011	14:26:04	0.025
256	07/06/2011	14:27:04	0.025
257	07/06/2011	14:28:04	0.027
258	07/06/2011	14:29:04	0.026
259	07/06/2011	14:30:04	0.026
260	07/06/2011	14:31:04	0.026
261	07/06/2011	14:32:04	0.026
262	07/06/2011	14:33:04	0.024
263	07/06/2011	14:34:04	0.024

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
264	07/06/2011	14:35:04	0.025
265	07/06/2011	14:36:04	0.024
266	07/06/2011	14:37:04	0.024
267	07/06/2011	14:38:04	0.024
268	07/06/2011	14:39:04	0.027
269	07/06/2011	14:40:04	0.023
270	07/06/2011	14:41:04	0.024
271	07/06/2011	14:42:04	0.022
272	07/06/2011	14:43:04	0.023
273	07/06/2011	14:44:04	0.022
274	07/06/2011	14:45:04	0.023
275	07/06/2011	14:46:04	0.025
276	07/06/2011	14:47:04	0.021
277	07/06/2011	14:48:04	0.021
278	07/06/2011	14:49:04	0.022
279	07/06/2011	14:50:04	0.022
280	07/06/2011	14:51:04	0.022
281	07/06/2011	14:52:04	0.021
282	07/06/2011	14:53:04	0.023
283	07/06/2011	14:54:04	0.021
284	07/06/2011	14:55:04	0.022
285	07/06/2011	14:56:04	0.022
286	07/06/2011	14:57:04	0.021
287	07/06/2011	14:58:04	0.024
288	07/06/2011	14:59:04	0.021
289	07/06/2011	15:00:04	0.021
290	07/06/2011	15:01:04	0.022
291	07/06/2011	15:02:04	0.023
292	07/06/2011	15:03:04	0.021
293	07/06/2011	15:04:04	0.021
294	07/06/2011	15:05:04	0.023
295	07/06/2011	15:06:04	0.021
296	07/06/2011	15:07:04	0.022
297	07/06/2011	15:08:04	0.022
298	07/06/2011	15:09:04	0.021
299	07/06/2011	15:10:04	0.023
300	07/06/2011	15:11:04	0.023
301	07/06/2011	15:12:04	0.022
302	07/06/2011	15:13:04	0.024
303	07/06/2011	15:14:04	0.022
304	07/06/2011	15:15:04	0.022
305	07/06/2011	15:16:04	0.022
306	07/06/2011	15:17:04	0.022
307	07/06/2011	15:18:04	0.022
308	07/06/2011	15:19:04	0.023
309	07/06/2011	15:20:04	0.025
310	07/06/2011	15:21:04	0.024
311	07/06/2011	15:22:04	0.023
312	07/06/2011	15:23:04	0.027
313	07/06/2011	15:24:04	0.022
314	07/06/2011	15:25:04	0.023
315	07/06/2011	15:26:04	0.024
316	07/06/2011	15:27:04	0.024
317	07/06/2011	15:28:04	0.023
318	07/06/2011	15:29:04	0.022

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
319	07/06/2011	15:30:04	0.023
320	07/06/2011	15:31:04	0.025
321	07/06/2011	15:32:04	0.024
322	07/06/2011	15:33:04	0.024
323	07/06/2011	15:34:04	0.025
324	07/06/2011	15:35:04	0.026
325	07/06/2011	15:36:04	0.026
326	07/06/2011	15:37:04	0.026
327	07/06/2011	15:38:04	0.029
328	07/06/2011	15:39:04	0.026
329	07/06/2011	15:40:04	0.028
330	07/06/2011	15:41:04	0.029
331	07/06/2011	15:42:04	0.028
332	07/06/2011	15:43:04	0.029
333	07/06/2011	15:44:04	0.030
334	07/06/2011	15:45:04	0.027
335	07/06/2011	15:46:04	0.027
336	07/06/2011	15:47:04	0.027
337	07/06/2011	15:48:04	0.025

# Test 002

Instrument		Data Properties	
Model	Dust Trak	Start Date	07/06/2011
Meter S/N	85201065	Start Time	10:08:35
		Stop Date	07/06/2011
		Stop Time	15:48:35
		Total Time	0:05:40:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	07/06/2011	10:13:35	0.033
2	07/06/2011	10:18:35	0.038
3	07/06/2011	10:23:35	0.122
4	07/06/2011	10:28:35	0.044
5	07/06/2011	10:33:35	0.046
6	07/06/2011	10:38:35	0.036
7	07/06/2011	10:43:35	0.036
8	07/06/2011	10:48:35	0.051
9	07/06/2011	10:53:35	0.041
10	07/06/2011	10:58:35	0.032
11	07/06/2011	11:03:35	0.031
12	07/06/2011	11:08:35	0.033
13	07/06/2011	11:13:35	0.033
14	07/06/2011	11:18:35	0.035
15	07/06/2011	11:23:35	0.032
16	07/06/2011	11:28:35	0.031
17	07/06/2011	11:33:35	0.035
18	07/06/2011	11:38:35	0.095
19	07/06/2011	11:43:35	0.038
20	07/06/2011	11:48:35	0.041
21	07/06/2011	11:53:35	0.162
22	07/06/2011	11:58:35	0.034
23	07/06/2011	12:03:35	0.042
24	07/06/2011	12:08:35	0.038
25	07/06/2011	12:13:35	0.033
26	07/06/2011	12:18:35	0.031
27	07/06/2011	12:23:35	0.034
28	07/06/2011	12:28:35	0.032
29	07/06/2011	12:33:35	0.034
30	07/06/2011	12:38:35	0.033
31	07/06/2011	12:43:35	0.030
32	07/06/2011	12:48:35	0.029
33	07/06/2011	12:53:35	0.030
34	07/06/2011	12:58:35	0.037
35	07/06/2011	13:03:35	0.033
36	07/06/2011	13:08:35	0.033
37	07/06/2011	13:13:35	0.035
38	07/06/2011	13:18:35	0.035
39	07/06/2011	13:23:35	0.049
40	07/06/2011	13:28:35	0.034
41	07/06/2011	13:33:35	0.050
42	07/06/2011	13:38:35	0.035
43	07/06/2011	13:43:35	0.051

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	07/06/2011	13:48:35	0.034
45	07/06/2011	13:53:35	0.037
46	07/06/2011	13:58:35	0.049
47	07/06/2011	14:03:35	0.024
48	07/06/2011	14:08:35	0.020
49	07/06/2011	14:13:35	0.021
50	07/06/2011	14:18:35	0.023
51	07/06/2011	14:23:35	0.023
52	07/06/2011	14:28:35	0.024
53	07/06/2011	14:33:35	0.023
54	07/06/2011	14:38:35	0.022
55	07/06/2011	14:43:35	0.021
56	07/06/2011	14:48:35	0.019
57	07/06/2011	14:53:35	0.020
58	07/06/2011	14:58:35	0.019
59	07/06/2011	15:03:35	0.019
60	07/06/2011	15:08:35	0.019
61	07/06/2011	15:13:35	0.021
62	07/06/2011	15:18:35	0.023
63	07/06/2011	15:23:35	0.021
64	07/06/2011	15:28:35	0.021
65	07/06/2011	15:33:35	0.022
66	07/06/2011	15:38:35	0.023
67	07/06/2011	15:43:35	0.025
68	07/06/2011	15:48:35	0.024

# Test 003

Instrument		Data Properties	
Model	Dust Trak	Start Date	07/07/2011
Meter S/N	85201091	Start Time	08:25:31
		Stop Date	07/07/2011
		Stop Time	16:10:31
		Total Time	0:07:45:00
		Logging Interval	60 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	07/07/2011	08:26:31	0.024
2	07/07/2011	08:27:31	0.023
3	07/07/2011	08:28:31	0.023
4	07/07/2011	08:29:31	0.022
5	07/07/2011	08:30:31	0.022
6	07/07/2011	08:31:31	0.022
7	07/07/2011	08:32:31	0.024
8	07/07/2011	08:33:31	0.022
9	07/07/2011	08:34:31	0.022
10	07/07/2011	08:35:31	0.022
11	07/07/2011	08:36:31	0.023
12	07/07/2011	08:37:31	0.022
13	07/07/2011	08:38:31	0.021
14	07/07/2011	08:39:31	0.022
15	07/07/2011	08:40:31	0.021
16	07/07/2011	08:41:31	0.021
17	07/07/2011	08:42:31	0.020
18	07/07/2011	08:43:31	0.020
19	07/07/2011	08:44:31	0.021
20	07/07/2011	08:45:31	0.020
21	07/07/2011	08:46:31	0.020
22	07/07/2011	08:47:31	0.020
23	07/07/2011	08:48:31	0.021
24	07/07/2011	08:49:31	0.020
25	07/07/2011	08:50:31	0.019
26	07/07/2011	08:51:31	0.019
27	07/07/2011	08:52:31	0.020
28	07/07/2011	08:53:31	0.021
29	07/07/2011	08:54:31	0.020
30	07/07/2011	08:55:31	0.020
31	07/07/2011	08:56:31	0.019
32	07/07/2011	08:57:31	0.021
33	07/07/2011	08:58:31	0.021
34	07/07/2011	08:59:31	0.020
35	07/07/2011	09:00:31	0.020
36	07/07/2011	09:01:31	0.024
37	07/07/2011	09:02:31	0.019
38	07/07/2011	09:03:31	0.020
39	07/07/2011	09:04:31	0.020
40	07/07/2011	09:05:31	0.019
41	07/07/2011	09:06:31	0.020
42	07/07/2011	09:07:31	0.019
43	07/07/2011	09:08:31	0.020

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	07/07/2011	09:09:31	0.023
45	07/07/2011	09:10:31	0.020
46	07/07/2011	09:11:31	0.021
47	07/07/2011	09:12:31	0.022
48	07/07/2011	09:13:31	0.021
49	07/07/2011	09:14:31	0.023
50	07/07/2011	09:15:31	0.022
51	07/07/2011	09:16:31	0.023
52	07/07/2011	09:17:31	0.022
53	07/07/2011	09:18:31	0.021
54	07/07/2011	09:19:31	0.021
55	07/07/2011	09:20:31	0.022
56	07/07/2011	09:21:31	0.022
57	07/07/2011	09:22:31	0.022
58	07/07/2011	09:23:31	0.022
59	07/07/2011	09:24:31	0.023
60	07/07/2011	09:25:31	0.022
61	07/07/2011	09:26:31	0.023
62	07/07/2011	09:27:31	0.023
63	07/07/2011	09:28:31	0.022
64	07/07/2011	09:29:31	0.022
65	07/07/2011	09:30:31	0.023
66	07/07/2011	09:31:31	0.022
67	07/07/2011	09:32:31	0.028
68	07/07/2011	09:33:31	0.027
69	07/07/2011	09:34:31	0.025
70	07/07/2011	09:35:31	0.025
71	07/07/2011	09:36:31	0.024
72	07/07/2011	09:37:31	0.023
73	07/07/2011	09:38:31	0.025
74	07/07/2011	09:39:31	0.023
75	07/07/2011	09:40:31	0.023
76	07/07/2011	09:41:31	0.023
77	07/07/2011	09:42:31	0.024
78	07/07/2011	09:43:31	0.022
79	07/07/2011	09:44:31	0.022
80	07/07/2011	09:45:31	0.022
81	07/07/2011	09:46:31	0.022
82	07/07/2011	09:47:31	0.022
83	07/07/2011	09:48:31	0.022
84	07/07/2011	09:49:31	0.023
85	07/07/2011	09:50:31	0.024
86	07/07/2011	09:51:31	0.023
87	07/07/2011	09:52:31	0.022
88	07/07/2011	09:53:31	0.022
89	07/07/2011	09:54:31	0.023
90	07/07/2011	09:55:31	0.023
91	07/07/2011	09:56:31	0.023
92	07/07/2011	09:57:31	0.023
93	07/07/2011	09:58:31	0.023
94	07/07/2011	09:59:31	0.023
95	07/07/2011	10:00:31	0.023
96	07/07/2011	10:01:31	0.025
97	07/07/2011	10:02:31	0.023
98	07/07/2011	10:03:31	0.023



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
99	07/07/2011	10:04:31	0.023
100	07/07/2011	10:05:31	0.023
101	07/07/2011	10:06:31	0.023
102	07/07/2011	10:07:31	0.024
103	07/07/2011	10:08:31	0.023
104	07/07/2011	10:09:31	0.023
105	07/07/2011	10:10:31	0.022
106	07/07/2011	10:11:31	0.022
107	07/07/2011	10:12:31	0.023
108	07/07/2011	10:13:31	0.022
109	07/07/2011	10:14:31	0.021
110	07/07/2011	10:15:31	0.022
111	07/07/2011	10:16:31	0.023
112	07/07/2011	10:17:31	0.022
113	07/07/2011	10:18:31	0.022
114	07/07/2011	10:19:31	0.023
115	07/07/2011	10:20:31	0.022
116	07/07/2011	10:21:31	0.022
117	07/07/2011	10:22:31	0.021
118	07/07/2011	10:23:31	0.023
119	07/07/2011	10:24:31	0.024
120	07/07/2011	10:25:31	0.024
121	07/07/2011	10:26:31	0.024
122	07/07/2011	10:27:31	0.021
123	07/07/2011	10:28:31	0.021
124	07/07/2011	10:29:31	0.021
125	07/07/2011	10:30:31	0.021
126	07/07/2011	10:31:31	0.020
127	07/07/2011	10:32:31	0.020
128	07/07/2011	10:33:31	0.021
129	07/07/2011	10:34:31	0.020
130	07/07/2011	10:35:31	0.020
131	07/07/2011	10:36:31	0.021
132	07/07/2011	10:37:31	0.021
133	07/07/2011	10:38:31	0.021
134	07/07/2011	10:39:31	0.020
135	07/07/2011	10:40:31	0.021
136	07/07/2011	10:41:31	0.021
137	07/07/2011	10:42:31	0.021
138	07/07/2011	10:43:31	0.021
139	07/07/2011	10:44:31	0.021
140	07/07/2011	10:45:31	0.020
141	07/07/2011	10:46:31	0.021
142	07/07/2011	10:47:31	0.021
143	07/07/2011	10:48:31	0.021
144	07/07/2011	10:49:31	0.021
145	07/07/2011	10:50:31	0.020
146	07/07/2011	10:51:31	0.021
147	07/07/2011	10:52:31	0.020
148	07/07/2011	10:53:31	0.020
149	07/07/2011	10:54:31	0.020
150	07/07/2011	10:55:31	0.020
151	07/07/2011	10:56:31	0.020
152	07/07/2011	10:57:31	0.020
153	07/07/2011	10:58:31	0.022

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
154	07/07/2011	10:59:31	0.020
155	07/07/2011	11:00:31	0.020
156	07/07/2011	11:01:31	0.020
157	07/07/2011	11:02:31	0.020
158	07/07/2011	11:03:31	0.021
159	07/07/2011	11:04:31	0.023
160	07/07/2011	11:05:31	0.020
161	07/07/2011	11:06:31	0.021
162	07/07/2011	11:07:31	0.022
163	07/07/2011	11:08:31	0.022
164	07/07/2011	11:09:31	0.023
165	07/07/2011	11:10:31	0.022
166	07/07/2011	11:11:31	0.020
167	07/07/2011	11:12:31	0.020
168	07/07/2011	11:13:31	0.020
169	07/07/2011	11:14:31	0.021
170	07/07/2011	11:15:31	0.019
171	07/07/2011	11:16:31	0.019
172	07/07/2011	11:17:31	0.019
173	07/07/2011	11:18:31	0.022
174	07/07/2011	11:19:31	0.020
175	07/07/2011	11:20:31	0.021
176	07/07/2011	11:21:31	0.020
177	07/07/2011	11:22:31	0.021
178	07/07/2011	11:23:31	0.021
179	07/07/2011	11:24:31	0.020
180	07/07/2011	11:25:31	0.020
181	07/07/2011	11:26:31	0.020
182	07/07/2011	11:27:31	0.020
183	07/07/2011	11:28:31	0.020
184	07/07/2011	11:29:31	0.020
185	07/07/2011	11:30:31	0.023
186	07/07/2011	11:31:31	0.029
187	07/07/2011	11:32:31	0.033
188	07/07/2011	11:33:31	0.028
189	07/07/2011	11:34:31	0.021
190	07/07/2011	11:35:31	0.021
191	07/07/2011	11:36:31	0.023
192	07/07/2011	11:37:31	0.020
193	07/07/2011	11:38:31	0.022
194	07/07/2011	11:39:31	0.021
195	07/07/2011	11:40:31	0.022
196	07/07/2011	11:41:31	0.021
197	07/07/2011	11:42:31	0.021
198	07/07/2011	11:43:31	0.020
199	07/07/2011	11:44:31	0.021
200	07/07/2011	11:45:31	0.020
201	07/07/2011	11:46:31	0.020
202	07/07/2011	11:47:31	0.021
203	07/07/2011	11:48:31	0.021
204	07/07/2011	11:49:31	0.021
205	07/07/2011	11:50:31	0.021
206	07/07/2011	11:51:31	0.020
207	07/07/2011	11:52:31	0.020
208	07/07/2011	11:53:31	0.021

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
209	07/07/2011	11:54:31	0.022
210	07/07/2011	11:55:31	0.020
211	07/07/2011	11:56:31	0.021
212	07/07/2011	11:57:31	0.022
213	07/07/2011	11:58:31	0.021
214	07/07/2011	11:59:31	0.021
215	07/07/2011	12:00:31	0.024
216	07/07/2011	12:01:31	0.022
217	07/07/2011	12:02:31	0.022
218	07/07/2011	12:03:31	0.021
219	07/07/2011	12:04:31	0.021
220	07/07/2011	12:05:31	0.021
221	07/07/2011	12:06:31	0.020
222	07/07/2011	12:07:31	0.020
223	07/07/2011	12:08:31	0.022
224	07/07/2011	12:09:31	0.021
225	07/07/2011	12:10:31	0.021
226	07/07/2011	12:11:31	0.020
227	07/07/2011	12:12:31	0.021
228	07/07/2011	12:13:31	0.025
229	07/07/2011	12:14:31	0.020
230	07/07/2011	12:15:31	0.021
231	07/07/2011	12:16:31	0.020
232	07/07/2011	12:17:31	0.021
233	07/07/2011	12:18:31	0.022
234	07/07/2011	12:19:31	0.021
235	07/07/2011	12:20:31	0.020
236	07/07/2011	12:21:31	0.020
237	07/07/2011	12:22:31	0.021
238	07/07/2011	12:23:31	0.020
239	07/07/2011	12:24:31	0.023
240	07/07/2011	12:25:31	0.026
241	07/07/2011	12:26:31	0.022
242	07/07/2011	12:27:31	0.020
243	07/07/2011	12:28:31	0.020
244	07/07/2011	12:29:31	0.021
245	07/07/2011	12:30:31	0.020
246	07/07/2011	12:31:31	0.020
247	07/07/2011	12:32:31	0.020
248	07/07/2011	12:33:31	0.021
249	07/07/2011	12:34:31	0.021
250	07/07/2011	12:35:31	0.023
251	07/07/2011	12:36:31	0.021
252	07/07/2011	12:37:31	0.021
253	07/07/2011	12:38:31	0.021
254	07/07/2011	12:39:31	0.022
255	07/07/2011	12:40:31	0.021
256	07/07/2011	12:41:31	0.022
257	07/07/2011	12:42:31	0.021
258	07/07/2011	12:43:31	0.020
259	07/07/2011	12:44:31	0.020
260	07/07/2011	12:45:31	0.024
261	07/07/2011	12:46:31	0.021
262	07/07/2011	12:47:31	0.021
263	07/07/2011	12:48:31	0.021

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
264	07/07/2011	12:49:31	0.020
265	07/07/2011	12:50:31	0.021
266	07/07/2011	12:51:31	0.019
267	07/07/2011	12:52:31	0.022
268	07/07/2011	12:53:31	0.022
269	07/07/2011	12:54:31	0.022
270	07/07/2011	12:55:31	0.021
271	07/07/2011	12:56:31	0.022
272	07/07/2011	12:57:31	0.024
273	07/07/2011	12:58:31	0.021
274	07/07/2011	12:59:31	0.020
275	07/07/2011	13:00:31	0.021
276	07/07/2011	13:01:31	0.021
277	07/07/2011	13:02:31	0.020
278	07/07/2011	13:03:31	0.021
279	07/07/2011	13:04:31	0.022
280	07/07/2011	13:05:31	0.023
281	07/07/2011	13:06:31	0.021
282	07/07/2011	13:07:31	0.020
283	07/07/2011	13:08:31	0.020
284	07/07/2011	13:09:31	0.020
285	07/07/2011	13:10:31	0.021
286	07/07/2011	13:11:31	0.023
287	07/07/2011	13:12:31	0.020
288	07/07/2011	13:13:31	0.020
289	07/07/2011	13:14:31	0.021
290	07/07/2011	13:15:31	0.019
291	07/07/2011	13:16:31	0.018
292	07/07/2011	13:17:31	0.020
293	07/07/2011	13:18:31	0.018
294	07/07/2011	13:19:31	0.018
295	07/07/2011	13:20:31	0.020
296	07/07/2011	13:21:31	0.019
297	07/07/2011	13:22:31	0.019
298	07/07/2011	13:23:31	0.020
299	07/07/2011	13:24:31	0.018
300	07/07/2011	13:25:31	0.019
301	07/07/2011	13:26:31	0.020
302	07/07/2011	13:27:31	0.019
303	07/07/2011	13:28:31	0.021
304	07/07/2011	13:29:31	0.019
305	07/07/2011	13:30:31	0.018
306	07/07/2011	13:31:31	0.020
307	07/07/2011	13:32:31	0.017
308	07/07/2011	13:33:31	0.017
309	07/07/2011	13:34:31	0.017
310	07/07/2011	13:35:31	0.017
311	07/07/2011	13:36:31	0.017
312	07/07/2011	13:37:31	0.017
313	07/07/2011	13:38:31	0.017
314	07/07/2011	13:39:31	0.018
315	07/07/2011	13:40:31	0.018
316	07/07/2011	13:41:31	0.018
317	07/07/2011	13:42:31	0.018
318	07/07/2011	13:43:31	0.017

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
319	07/07/2011	13:44:31	0.017
320	07/07/2011	13:45:31	0.017
321	07/07/2011	13:46:31	0.017
322	07/07/2011	13:47:31	0.017
323	07/07/2011	13:48:31	0.018
324	07/07/2011	13:49:31	0.019
325	07/07/2011	13:50:31	0.019
326	07/07/2011	13:51:31	0.017
327	07/07/2011	13:52:31	0.017
328	07/07/2011	13:53:31	0.017
329	07/07/2011	13:54:31	0.018
330	07/07/2011	13:55:31	0.017
331	07/07/2011	13:56:31	0.016
332	07/07/2011	13:57:31	0.019
333	07/07/2011	13:58:31	0.019
334	07/07/2011	13:59:31	0.016
335	07/07/2011	14:00:31	0.017
336	07/07/2011	14:01:31	0.017
337	07/07/2011	14:02:31	0.017
338	07/07/2011	14:03:31	0.021
339	07/07/2011	14:04:31	0.017
340	07/07/2011	14:05:31	0.020
341	07/07/2011	14:06:31	0.017
342	07/07/2011	14:07:31	0.016
343	07/07/2011	14:08:31	0.016
344	07/07/2011	14:09:31	0.016
345	07/07/2011	14:10:31	0.017
346	07/07/2011	14:11:31	0.018
347	07/07/2011	14:12:31	0.020
348	07/07/2011	14:13:31	0.018
349	07/07/2011	14:14:31	0.018
350	07/07/2011	14:15:31	0.017
351	07/07/2011	14:16:31	0.018
352	07/07/2011	14:17:31	0.021
353	07/07/2011	14:18:31	0.022
354	07/07/2011	14:19:31	0.019
355	07/07/2011	14:20:31	0.018
356	07/07/2011	14:21:31	0.018
357	07/07/2011	14:22:31	0.018
358	07/07/2011	14:23:31	0.016
359	07/07/2011	14:24:31	0.017
360	07/07/2011	14:25:31	0.017
361	07/07/2011	14:26:31	0.016
362	07/07/2011	14:27:31	0.017
363	07/07/2011	14:28:31	0.016
364	07/07/2011	14:29:31	0.057
365	07/07/2011	14:30:31	0.018
366	07/07/2011	14:31:31	0.018
367	07/07/2011	14:32:31	0.016
368	07/07/2011	14:33:31	0.017
369	07/07/2011	14:34:31	0.019
370	07/07/2011	14:35:31	0.018
371	07/07/2011	14:36:31	0.018
372	07/07/2011	14:37:31	0.019
373	07/07/2011	14:38:31	0.016

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
374	07/07/2011	14:39:31	0.016
375	07/07/2011	14:40:31	0.017
376	07/07/2011	14:41:31	0.016
377	07/07/2011	14:42:31	0.018
378	07/07/2011	14:43:31	0.016
379	07/07/2011	14:44:31	0.018
380	07/07/2011	14:45:31	0.016
381	07/07/2011	14:46:31	0.016
382	07/07/2011	14:47:31	0.016
383	07/07/2011	14:48:31	0.016
384	07/07/2011	14:49:31	0.016
385	07/07/2011	14:50:31	0.017
386	07/07/2011	14:51:31	0.017
387	07/07/2011	14:52:31	0.017
388	07/07/2011	14:53:31	0.015
389	07/07/2011	14:54:31	0.017
390	07/07/2011	14:55:31	0.017
391	07/07/2011	14:56:31	0.015
392	07/07/2011	14:57:31	0.016
393	07/07/2011	14:58:31	0.017
394	07/07/2011	14:59:31	0.015
395	07/07/2011	15:00:31	0.028
396	07/07/2011	15:01:31	0.017
397	07/07/2011	15:02:31	0.016
398	07/07/2011	15:03:31	0.018
399	07/07/2011	15:04:31	0.018
400	07/07/2011	15:05:31	0.019
401	07/07/2011	15:06:31	0.027
402	07/07/2011	15:07:31	0.023
403	07/07/2011	15:08:31	0.017
404	07/07/2011	15:09:31	0.020
405	07/07/2011	15:10:31	0.018
406	07/07/2011	15:11:31	0.016
407	07/07/2011	15:12:31	0.016
408	07/07/2011	15:13:31	0.016
409	07/07/2011	15:14:31	0.015
410	07/07/2011	15:15:31	0.016
411	07/07/2011	15:16:31	0.015
412	07/07/2011	15:17:31	0.020
413	07/07/2011	15:18:31	0.019
414	07/07/2011	15:19:31	0.019
415	07/07/2011	15:20:31	0.017
416	07/07/2011	15:21:31	0.016
417	07/07/2011	15:22:31	0.016
418	07/07/2011	15:23:31	0.016
419	07/07/2011	15:24:31	0.017
420	07/07/2011	15:25:31	0.017
421	07/07/2011	15:26:31	0.016
422	07/07/2011	15:27:31	0.021
423	07/07/2011	15:28:31	0.028
424	07/07/2011	15:29:31	0.016
425	07/07/2011	15:30:31	0.017
426	07/07/2011	15:31:31	0.017
427	07/07/2011	15:32:31	0.016
428	07/07/2011	15:33:31	0.043

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
429	07/07/2011	15:34:31	0.017
430	07/07/2011	15:35:31	0.017
431	07/07/2011	15:36:31	0.017
432	07/07/2011	15:37:31	0.016
433	07/07/2011	15:38:31	0.016
434	07/07/2011	15:39:31	0.017
435	07/07/2011	15:40:31	0.017
436	07/07/2011	15:41:31	0.016
437	07/07/2011	15:42:31	0.016
438	07/07/2011	15:43:31	0.019
439	07/07/2011	15:44:31	0.016
440	07/07/2011	15:45:31	0.016
441	07/07/2011	15:46:31	0.016
442	07/07/2011	15:47:31	0.015
443	07/07/2011	15:48:31	0.017
444	07/07/2011	15:49:31	0.016
445	07/07/2011	15:50:31	0.020
446	07/07/2011	15:51:31	0.023
447	07/07/2011	15:52:31	0.020
448	07/07/2011	15:53:31	0.019
449	07/07/2011	15:54:31	0.018
450	07/07/2011	15:55:31	0.018
451	07/07/2011	15:56:31	0.017
452	07/07/2011	15:57:31	0.017
453	07/07/2011	15:58:31	0.017
454	07/07/2011	15:59:31	0.016
455	07/07/2011	16:00:31	0.016
456	07/07/2011	16:01:31	0.016
457	07/07/2011	16:02:31	0.018
458	07/07/2011	16:03:31	0.017
459	07/07/2011	16:04:31	0.016
460	07/07/2011	16:05:31	0.017
461	07/07/2011	16:06:31	0.016
462	07/07/2011	16:07:31	0.016
463	07/07/2011	16:08:31	0.016
464	07/07/2011	16:09:31	0.016
465	07/07/2011	16:10:31	0.017

# Test 003

Instrument		Data Properties	
Model	Dust Trak	Start Date	07/07/2011
Meter S/N	85201065	Start Time	08:27:22
		Stop Date	07/07/2011
		Stop Time	16:12:22
		Total Time	0:07:45:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	07/07/2011	08:32:22	0.020
2	07/07/2011	08:37:22	0.020
3	07/07/2011	08:42:22	0.019
4	07/07/2011	08:47:22	0.019
5	07/07/2011	08:52:22	0.019
6	07/07/2011	08:57:22	0.019
7	07/07/2011	09:02:22	0.018
8	07/07/2011	09:07:22	0.018
9	07/07/2011	09:12:22	0.019
10	07/07/2011	09:17:22	0.021
11	07/07/2011	09:22:22	0.020
12	07/07/2011	09:27:22	0.020
13	07/07/2011	09:32:22	0.023
14	07/07/2011	09:37:22	0.021
15	07/07/2011	09:42:22	0.021
16	07/07/2011	09:47:22	0.021
17	07/07/2011	09:52:22	0.021
18	07/07/2011	09:57:22	0.021
19	07/07/2011	10:02:22	0.023
20	07/07/2011	10:07:22	0.021
21	07/07/2011	10:12:22	0.020
22	07/07/2011	10:17:22	0.021
23	07/07/2011	10:22:22	0.020
24	07/07/2011	10:27:22	0.021
25	07/07/2011	10:32:22	0.019
26	07/07/2011	10:37:22	0.019
27	07/07/2011	10:42:22	0.019
28	07/07/2011	10:47:22	0.020
29	07/07/2011	10:52:22	0.019
30	07/07/2011	10:57:22	0.019
31	07/07/2011	11:02:22	0.019
32	07/07/2011	11:07:22	0.019
33	07/07/2011	11:12:22	0.019
34	07/07/2011	11:17:22	0.019
35	07/07/2011	11:22:22	0.020
36	07/07/2011	11:27:22	0.020
37	07/07/2011	11:32:22	0.022
38	07/07/2011	11:37:22	0.019
39	07/07/2011	11:42:22	0.019
40	07/07/2011	11:47:22	0.019
41	07/07/2011	11:52:22	0.019
42	07/07/2011	11:57:22	0.020
43	07/07/2011	12:02:22	0.019



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	07/07/2011	12:07:22	0.021
45	07/07/2011	12:12:22	0.019
46	07/07/2011	12:17:22	0.019
47	07/07/2011	12:22:22	0.019
48	07/07/2011	12:27:22	0.018
49	07/07/2011	12:32:22	0.019
50	07/07/2011	12:37:22	0.019
51	07/07/2011	12:42:22	0.019
52	07/07/2011	12:47:22	0.021
53	07/07/2011	12:52:22	0.019
54	07/07/2011	12:57:22	0.019
55	07/07/2011	13:02:22	0.018
56	07/07/2011	13:07:22	0.019
57	07/07/2011	13:12:22	0.018
58	07/07/2011	13:17:22	0.017
59	07/07/2011	13:22:22	0.017
60	07/07/2011	13:27:22	0.018
61	07/07/2011	13:32:22	0.016
62	07/07/2011	13:37:22	0.016
63	07/07/2011	13:42:22	0.015
64	07/07/2011	13:47:22	0.015
65	07/07/2011	13:52:22	0.015
66	07/07/2011	13:57:22	0.015
67	07/07/2011	14:02:22	0.015
68	07/07/2011	14:07:22	0.015
69	07/07/2011	14:12:22	0.015
70	07/07/2011	14:17:22	0.015
71	07/07/2011	14:22:22	0.017
72	07/07/2011	14:27:22	0.015
73	07/07/2011	14:32:22	0.015
74	07/07/2011	14:37:22	0.015
75	07/07/2011	14:42:22	0.014
76	07/07/2011	14:47:22	0.014
77	07/07/2011	14:52:22	0.014
78	07/07/2011	14:57:22	0.014
79	07/07/2011	15:02:22	0.014
80	07/07/2011	15:07:22	0.014
81	07/07/2011	15:12:22	0.015
82	07/07/2011	15:17:22	0.014
83	07/07/2011	15:22:22	0.014
84	07/07/2011	15:27:22	0.014
85	07/07/2011	15:32:22	0.014
86	07/07/2011	15:37:22	0.027
87	07/07/2011	15:42:22	0.014
88	07/07/2011	15:47:22	0.014
89	07/07/2011	15:52:22	0.021
90	07/07/2011	15:57:22	0.014
91	07/07/2011	16:02:22	0.014
92	07/07/2011	16:07:22	0.015
93	07/07/2011	16:12:22	0.014

# Test 004

Instrument		Data Properties	
Model	Dust Trak	Start Date	07/08/2011
Meter S/N	85201091	Start Time	08:03:31
		Stop Date	07/08/2011
		Stop Time	15:07:31
		Total Time	0:07:04:00
		Logging Interval	60 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	07/08/2011	08:04:31	0.031
2	07/08/2011	08:05:31	0.027
3	07/08/2011	08:06:31	0.028
4	07/08/2011	08:07:31	0.029
5	07/08/2011	08:08:31	0.029
6	07/08/2011	08:09:31	0.028
7	07/08/2011	08:10:31	0.029
8	07/08/2011	08:11:31	0.035
9	07/08/2011	08:12:31	0.034
10	07/08/2011	08:13:31	0.029
11	07/08/2011	08:14:31	0.027
12	07/08/2011	08:15:31	0.028
13	07/08/2011	08:16:31	0.028
14	07/08/2011	08:17:31	0.027
15	07/08/2011	08:18:31	0.027
16	07/08/2011	08:19:31	0.028
17	07/08/2011	08:20:31	0.027
18	07/08/2011	08:21:31	0.027
19	07/08/2011	08:22:31	0.028
20	07/08/2011	08:23:31	0.030
21	07/08/2011	08:24:31	0.027
22	07/08/2011	08:25:31	0.026
23	07/08/2011	08:26:31	0.025
24	07/08/2011	08:27:31	0.027
25	07/08/2011	08:28:31	0.029
26	07/08/2011	08:29:31	0.026
27	07/08/2011	08:30:31	0.026
28	07/08/2011	08:31:31	0.026
29	07/08/2011	08:32:31	0.025
30	07/08/2011	08:33:31	0.025
31	07/08/2011	08:34:31	0.024
32	07/08/2011	08:35:31	0.024
33	07/08/2011	08:36:31	0.024
34	07/08/2011	08:37:31	0.025
35	07/08/2011	08:38:31	0.024
36	07/08/2011	08:39:31	0.024
37	07/08/2011	08:40:31	0.023
38	07/08/2011	08:41:31	0.024
39	07/08/2011	08:42:31	0.023
40	07/08/2011	08:43:31	0.024
41	07/08/2011	08:44:31	0.024
42	07/08/2011	08:45:31	0.024
43	07/08/2011	08:46:31	0.023

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	07/08/2011	08:47:31	0.023
45	07/08/2011	08:48:31	0.024
46	07/08/2011	08:49:31	0.024
47	07/08/2011	08:50:31	0.024
48	07/08/2011	08:51:31	0.023
49	07/08/2011	08:52:31	0.025
50	07/08/2011	08:53:31	0.024
51	07/08/2011	08:54:31	0.023
52	07/08/2011	08:55:31	0.024
53	07/08/2011	08:56:31	0.024
54	07/08/2011	08:57:31	0.025
55	07/08/2011	08:58:31	0.026
56	07/08/2011	08:59:31	0.025
57	07/08/2011	09:00:31	0.024
58	07/08/2011	09:01:31	0.025
59	07/08/2011	09:02:31	0.024
60	07/08/2011	09:03:31	0.024
61	07/08/2011	09:04:31	0.025
62	07/08/2011	09:05:31	0.025
63	07/08/2011	09:06:31	0.027
64	07/08/2011	09:07:31	0.027
65	07/08/2011	09:08:31	0.025
66	07/08/2011	09:09:31	0.026
67	07/08/2011	09:10:31	0.025
68	07/08/2011	09:11:31	0.026
69	07/08/2011	09:12:31	0.026
70	07/08/2011	09:13:31	0.025
71	07/08/2011	09:14:31	0.031
72	07/08/2011	09:15:31	0.025
73	07/08/2011	09:16:31	0.026
74	07/08/2011	09:17:31	0.026
75	07/08/2011	09:18:31	0.026
76	07/08/2011	09:19:31	0.028
77	07/08/2011	09:20:31	0.031
78	07/08/2011	09:21:31	0.028
79	07/08/2011	09:22:31	0.033
80	07/08/2011	09:23:31	0.026
81	07/08/2011	09:24:31	0.028
82	07/08/2011	09:25:31	0.027
83	07/08/2011	09:26:31	0.028
84	07/08/2011	09:27:31	0.029
85	07/08/2011	09:28:31	0.027
86	07/08/2011	09:29:31	0.027
87	07/08/2011	09:30:31	0.028
88	07/08/2011	09:31:31	0.028
89	07/08/2011	09:32:31	0.033
90	07/08/2011	09:33:31	0.031
91	07/08/2011	09:34:31	0.029
92	07/08/2011	09:35:31	0.032
93	07/08/2011	09:36:31	0.031
94	07/08/2011	09:37:31	0.031
95	07/08/2011	09:38:31	0.029
96	07/08/2011	09:39:31	0.030
97	07/08/2011	09:40:31	0.032
98	07/08/2011	09:41:31	0.029

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
99	07/08/2011	09:42:31	0.028
100	07/08/2011	09:43:31	0.029
101	07/08/2011	09:44:31	0.030
102	07/08/2011	09:45:31	0.028
103	07/08/2011	09:46:31	0.029
104	07/08/2011	09:47:31	0.029
105	07/08/2011	09:48:31	0.030
106	07/08/2011	09:49:31	0.031
107	07/08/2011	09:50:31	0.031
108	07/08/2011	09:51:31	0.029
109	07/08/2011	09:52:31	0.029
110	07/08/2011	09:53:31	0.030
111	07/08/2011	09:54:31	0.029
112	07/08/2011	09:55:31	0.030
113	07/08/2011	09:56:31	0.029
114	07/08/2011	09:57:31	0.030
115	07/08/2011	09:58:31	0.031
116	07/08/2011	09:59:31	0.031
117	07/08/2011	10:00:31	0.032
118	07/08/2011	10:01:31	0.035
119	07/08/2011	10:02:31	0.034
120	07/08/2011	10:03:31	0.031
121	07/08/2011	10:04:31	0.035
122	07/08/2011	10:05:31	0.033
123	07/08/2011	10:06:31	0.032
124	07/08/2011	10:07:31	0.032
125	07/08/2011	10:08:31	0.033
126	07/08/2011	10:09:31	0.034
127	07/08/2011	10:10:31	0.032
128	07/08/2011	10:11:31	0.033
129	07/08/2011	10:12:31	0.034
130	07/08/2011	10:13:31	0.033
131	07/08/2011	10:14:31	0.033
132	07/08/2011	10:15:31	0.033
133	07/08/2011	10:16:31	0.033
134	07/08/2011	10:17:31	0.035
135	07/08/2011	10:18:31	0.033
136	07/08/2011	10:19:31	0.034
137	07/08/2011	10:20:31	0.034
138	07/08/2011	10:21:31	0.036
139	07/08/2011	10:22:31	0.033
140	07/08/2011	10:23:31	0.034
141	07/08/2011	10:24:31	0.036
142	07/08/2011	10:25:31	0.035
143	07/08/2011	10:26:31	0.035
144	07/08/2011	10:27:31	0.034
145	07/08/2011	10:28:31	0.034
146	07/08/2011	10:29:31	0.035
147	07/08/2011	10:30:31	0.034
148	07/08/2011	10:31:31	0.036
149	07/08/2011	10:32:31	0.035
150	07/08/2011	10:33:31	0.036
151	07/08/2011	10:34:31	0.036
152	07/08/2011	10:35:31	0.036
153	07/08/2011	10:36:31	0.037

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
154	07/08/2011	10:37:31	0.037
155	07/08/2011	10:38:31	0.035
156	07/08/2011	10:39:31	0.037
157	07/08/2011	10:40:31	0.037
158	07/08/2011	10:41:31	0.037
159	07/08/2011	10:42:31	0.038
160	07/08/2011	10:43:31	0.038
161	07/08/2011	10:44:31	0.038
162	07/08/2011	10:45:31	0.037
163	07/08/2011	10:46:31	0.038
164	07/08/2011	10:47:31	0.038
165	07/08/2011	10:48:31	0.039
166	07/08/2011	10:49:31	0.040
167	07/08/2011	10:50:31	0.039
168	07/08/2011	10:51:31	0.038
169	07/08/2011	10:52:31	0.040
170	07/08/2011	10:53:31	0.039
171	07/08/2011	10:54:31	0.039
172	07/08/2011	10:55:31	0.038
173	07/08/2011	10:56:31	0.040
174	07/08/2011	10:57:31	0.039
175	07/08/2011	10:58:31	0.039
176	07/08/2011	10:59:31	0.038
177	07/08/2011	11:00:31	0.038
178	07/08/2011	11:01:31	0.039
179	07/08/2011	11:02:31	0.040
180	07/08/2011	11:03:31	0.038
181	07/08/2011	11:04:31	0.039
182	07/08/2011	11:05:31	0.040
183	07/08/2011	11:06:31	0.039
184	07/08/2011	11:07:31	0.039
185	07/08/2011	11:08:31	0.038
186	07/08/2011	11:09:31	0.040
187	07/08/2011	11:10:31	0.038
188	07/08/2011	11:11:31	0.039
189	07/08/2011	11:12:31	0.039
190	07/08/2011	11:13:31	0.040
191	07/08/2011	11:14:31	0.039
192	07/08/2011	11:15:31	0.042
193	07/08/2011	11:16:31	0.040
194	07/08/2011	11:17:31	0.041
195	07/08/2011	11:18:31	0.039
196	07/08/2011	11:19:31	0.040
197	07/08/2011	11:20:31	0.039
198	07/08/2011	11:21:31	0.040
199	07/08/2011	11:22:31	0.040
200	07/08/2011	11:23:31	0.041
201	07/08/2011	11:24:31	0.042
202	07/08/2011	11:25:31	0.039
203	07/08/2011	11:26:31	0.040
204	07/08/2011	11:27:31	0.040
205	07/08/2011	11:28:31	0.040
206	07/08/2011	11:29:31	0.041
207	07/08/2011	11:30:31	0.041
208	07/08/2011	11:31:31	0.041

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
209	07/08/2011	11:32:31	0.040
210	07/08/2011	11:33:31	0.040
211	07/08/2011	11:34:31	0.041
212	07/08/2011	11:35:31	0.040
213	07/08/2011	11:36:31	0.042
214	07/08/2011	11:37:31	0.042
215	07/08/2011	11:38:31	0.043
216	07/08/2011	11:39:31	0.041
217	07/08/2011	11:40:31	0.043
218	07/08/2011	11:41:31	0.041
219	07/08/2011	11:42:31	0.042
220	07/08/2011	11:43:31	0.044
221	07/08/2011	11:44:31	0.044
222	07/08/2011	11:45:31	0.043
223	07/08/2011	11:46:31	0.043
224	07/08/2011	11:47:31	0.043
225	07/08/2011	11:48:31	0.046
226	07/08/2011	11:49:31	0.046
227	07/08/2011	11:50:31	0.044
228	07/08/2011	11:51:31	0.043
229	07/08/2011	11:52:31	0.044
230	07/08/2011	11:53:31	0.043
231	07/08/2011	11:54:31	0.043
232	07/08/2011	11:55:31	0.044
233	07/08/2011	11:56:31	0.041
234	07/08/2011	11:57:31	0.041
235	07/08/2011	11:58:31	0.039
236	07/08/2011	11:59:31	0.040
237	07/08/2011	12:00:31	0.045
238	07/08/2011	12:01:31	0.043
239	07/08/2011	12:02:31	0.042
240	07/08/2011	12:03:31	0.045
241	07/08/2011	12:04:31	0.045
242	07/08/2011	12:05:31	0.045
243	07/08/2011	12:06:31	0.046
244	07/08/2011	12:07:31	0.043
245	07/08/2011	12:08:31	0.045
246	07/08/2011	12:09:31	0.042
247	07/08/2011	12:10:31	0.040
248	07/08/2011	12:11:31	0.040
249	07/08/2011	12:12:31	0.039
250	07/08/2011	12:13:31	0.039
251	07/08/2011	12:14:31	0.038
252	07/08/2011	12:15:31	0.038
253	07/08/2011	12:16:31	0.038
254	07/08/2011	12:17:31	0.040
255	07/08/2011	12:18:31	0.044
256	07/08/2011	12:19:31	0.040
257	07/08/2011	12:20:31	0.039
258	07/08/2011	12:21:31	0.039
259	07/08/2011	12:22:31	0.040
260	07/08/2011	12:23:31	0.042
261	07/08/2011	12:24:31	0.043
262	07/08/2011	12:25:31	0.040
263	07/08/2011	12:26:31	0.040

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
264	07/08/2011	12:27:31	0.042
265	07/08/2011	12:28:31	0.040
266	07/08/2011	12:29:31	0.041
267	07/08/2011	12:30:31	0.039
268	07/08/2011	12:31:31	0.038
269	07/08/2011	12:32:31	0.040
270	07/08/2011	12:33:31	0.039
271	07/08/2011	12:34:31	0.039
272	07/08/2011	12:35:31	0.039
273	07/08/2011	12:36:31	0.040
274	07/08/2011	12:37:31	0.040
275	07/08/2011	12:38:31	0.040
276	07/08/2011	12:39:31	0.039
277	07/08/2011	12:40:31	0.041
278	07/08/2011	12:41:31	0.042
279	07/08/2011	12:42:31	0.040
280	07/08/2011	12:43:31	0.042
281	07/08/2011	12:44:31	0.041
282	07/08/2011	12:45:31	0.040
283	07/08/2011	12:46:31	0.040
284	07/08/2011	12:47:31	0.042
285	07/08/2011	12:48:31	0.041
286	07/08/2011	12:49:31	0.042
287	07/08/2011	12:50:31	0.041
288	07/08/2011	12:51:31	0.040
289	07/08/2011	12:52:31	0.042
290	07/08/2011	12:53:31	0.044
291	07/08/2011	12:54:31	0.041
292	07/08/2011	12:55:31	0.041
293	07/08/2011	12:56:31	0.041
294	07/08/2011	12:57:31	0.041
295	07/08/2011	12:58:31	0.040
296	07/08/2011	12:59:31	0.039
297	07/08/2011	13:00:31	0.037
298	07/08/2011	13:01:31	0.037
299	07/08/2011	13:02:31	0.041
300	07/08/2011	13:03:31	0.038
301	07/08/2011	13:04:31	0.038
302	07/08/2011	13:05:31	0.039
303	07/08/2011	13:06:31	0.037
304	07/08/2011	13:07:31	0.038
305	07/08/2011	13:08:31	0.037
306	07/08/2011	13:09:31	0.039
307	07/08/2011	13:10:31	0.037
308	07/08/2011	13:11:31	0.038
309	07/08/2011	13:12:31	0.038
310	07/08/2011	13:13:31	0.037
311	07/08/2011	13:14:31	0.037
312	07/08/2011	13:15:31	0.069
313	07/08/2011	13:16:31	0.037
314	07/08/2011	13:17:31	0.037
315	07/08/2011	13:18:31	0.041
316	07/08/2011	13:19:31	0.040
317	07/08/2011	13:20:31	0.038
318	07/08/2011	13:21:31	0.037

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
319	07/08/2011	13:22:31	0.036
320	07/08/2011	13:23:31	0.037
321	07/08/2011	13:24:31	0.037
322	07/08/2011	13:25:31	0.040
323	07/08/2011	13:26:31	0.039
324	07/08/2011	13:27:31	0.041
325	07/08/2011	13:28:31	0.038
326	07/08/2011	13:29:31	0.039
327	07/08/2011	13:30:31	0.038
328	07/08/2011	13:31:31	0.041
329	07/08/2011	13:32:31	0.038
330	07/08/2011	13:33:31	0.042
331	07/08/2011	13:34:31	0.041
332	07/08/2011	13:35:31	0.037
333	07/08/2011	13:36:31	0.038
334	07/08/2011	13:37:31	0.046
335	07/08/2011	13:38:31	0.043
336	07/08/2011	13:39:31	0.040
337	07/08/2011	13:40:31	0.038
338	07/08/2011	13:41:31	0.039
339	07/08/2011	13:42:31	0.037
340	07/08/2011	13:43:31	0.037
341	07/08/2011	13:44:31	0.038
342	07/08/2011	13:45:31	0.038
343	07/08/2011	13:46:31	0.035
344	07/08/2011	13:47:31	0.037
345	07/08/2011	13:48:31	0.036
346	07/08/2011	13:49:31	0.038
347	07/08/2011	13:50:31	0.037
348	07/08/2011	13:51:31	0.037
349	07/08/2011	13:52:31	0.038
350	07/08/2011	13:53:31	0.037
351	07/08/2011	13:54:31	0.037
352	07/08/2011	13:55:31	0.036
353	07/08/2011	13:56:31	0.036
354	07/08/2011	13:57:31	0.037
355	07/08/2011	13:58:31	0.038
356	07/08/2011	13:59:31	0.036
357	07/08/2011	14:00:31	0.035
358	07/08/2011	14:01:31	0.037
359	07/08/2011	14:02:31	0.036
360	07/08/2011	14:03:31	0.037
361	07/08/2011	14:04:31	0.035
362	07/08/2011	14:05:31	0.036
363	07/08/2011	14:06:31	0.035
364	07/08/2011	14:07:31	0.035
365	07/08/2011	14:08:31	0.035
366	07/08/2011	14:09:31	0.035
367	07/08/2011	14:10:31	0.036
368	07/08/2011	14:11:31	0.035
369	07/08/2011	14:12:31	0.033
370	07/08/2011	14:13:31	0.036
371	07/08/2011	14:14:31	0.035
372	07/08/2011	14:15:31	0.035
373	07/08/2011	14:16:31	0.045



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
374	07/08/2011	14:17:31	0.039
375	07/08/2011	14:18:31	0.035
376	07/08/2011	14:19:31	0.037
377	07/08/2011	14:20:31	0.053
378	07/08/2011	14:21:31	0.036
379	07/08/2011	14:22:31	0.032
380	07/08/2011	14:23:31	0.031
381	07/08/2011	14:24:31	0.030
382	07/08/2011	14:25:31	0.036
383	07/08/2011	14:26:31	0.032
384	07/08/2011	14:27:31	0.030
385	07/08/2011	14:28:31	0.030
386	07/08/2011	14:29:31	0.031
387	07/08/2011	14:30:31	0.030
388	07/08/2011	14:31:31	0.031
389	07/08/2011	14:32:31	0.031
390	07/08/2011	14:33:31	0.031
391	07/08/2011	14:34:31	0.030
392	07/08/2011	14:35:31	0.029
393	07/08/2011	14:36:31	0.030
394	07/08/2011	14:37:31	0.031
395	07/08/2011	14:38:31	0.030
396	07/08/2011	14:39:31	0.029
397	07/08/2011	14:40:31	0.030
398	07/08/2011	14:41:31	0.034
399	07/08/2011	14:42:31	0.031
400	07/08/2011	14:43:31	0.029
401	07/08/2011	14:44:31	0.034
402	07/08/2011	14:45:31	0.029
403	07/08/2011	14:46:31	0.029
404	07/08/2011	14:47:31	0.029
405	07/08/2011	14:48:31	0.030
406	07/08/2011	14:49:31	0.033
407	07/08/2011	14:50:31	0.033
408	07/08/2011	14:51:31	0.027
409	07/08/2011	14:52:31	0.028
410	07/08/2011	14:53:31	0.029
411	07/08/2011	14:54:31	0.028
412	07/08/2011	14:55:31	0.029
413	07/08/2011	14:56:31	0.028
414	07/08/2011	14:57:31	0.028
415	07/08/2011	14:58:31	0.029
416	07/08/2011	14:59:31	0.027
417	07/08/2011	15:00:31	0.030
418	07/08/2011	15:01:31	0.027
419	07/08/2011	15:02:31	0.028
420	07/08/2011	15:03:31	0.028
421	07/08/2011	15:04:31	0.031
422	07/08/2011	15:05:31	0.029
423	07/08/2011	15:06:31	0.031
424	07/08/2011	15:07:31	0.027

# Test 004

Instrument		Data Properties	
Model	Dust Trak	Start Date	07/08/2011
Meter S/N	85201065	Start Time	08:24:09
		Stop Date	07/08/2011
		Stop Time	15:09:09
		Total Time	0:06:45:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	07/08/2011	08:29:09	0.025
2	07/08/2011	08:34:09	0.031
3	07/08/2011	08:39:09	0.025
4	07/08/2011	08:44:09	0.025
5	07/08/2011	08:49:09	0.022
6	07/08/2011	08:54:09	0.023
7	07/08/2011	08:59:09	0.023
8	07/08/2011	09:04:09	0.026
9	07/08/2011	09:09:09	0.026
10	07/08/2011	09:14:09	0.029
11	07/08/2011	09:19:09	0.024
12	07/08/2011	09:24:09	0.032
13	07/08/2011	09:29:09	0.027
14	07/08/2011	09:34:09	0.028
15	07/08/2011	09:39:09	0.029
16	07/08/2011	09:44:09	0.031
17	07/08/2011	09:49:09	0.030
18	07/08/2011	09:54:09	0.029
19	07/08/2011	09:59:09	0.028
20	07/08/2011	10:04:09	0.030
21	07/08/2011	10:09:09	0.031
22	07/08/2011	10:14:09	0.031
23	07/08/2011	10:19:09	0.031
24	07/08/2011	10:24:09	0.032
25	07/08/2011	10:29:09	0.033
26	07/08/2011	10:34:09	0.033
27	07/08/2011	10:39:09	0.033
28	07/08/2011	10:44:09	0.034
29	07/08/2011	10:49:09	0.036
30	07/08/2011	10:54:09	0.036
31	07/08/2011	10:59:09	0.036
32	07/08/2011	11:04:09	0.035
33	07/08/2011	11:09:09	0.036
34	07/08/2011	11:14:09	0.036
35	07/08/2011	11:19:09	0.037
36	07/08/2011	11:24:09	0.037
37	07/08/2011	11:29:09	0.036
38	07/08/2011	11:34:09	0.036
39	07/08/2011	11:39:09	0.037
40	07/08/2011	11:44:09	0.037
41	07/08/2011	11:49:09	0.039
42	07/08/2011	11:54:09	0.038
43	07/08/2011	11:59:09	0.037

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	07/08/2011	12:04:09	0.038
45	07/08/2011	12:09:09	0.037
46	07/08/2011	12:14:09	0.034
47	07/08/2011	12:19:09	0.035
48	07/08/2011	12:24:09	0.036
49	07/08/2011	12:29:09	0.037
50	07/08/2011	12:34:09	0.035
51	07/08/2011	12:39:09	0.036
52	07/08/2011	12:44:09	0.037
53	07/08/2011	12:49:09	0.037
54	07/08/2011	12:54:09	0.037
55	07/08/2011	12:59:09	0.036
56	07/08/2011	13:04:09	0.034
57	07/08/2011	13:09:09	0.033
58	07/08/2011	13:14:09	0.033
59	07/08/2011	13:19:09	0.033
60	07/08/2011	13:24:09	0.032
61	07/08/2011	13:29:09	0.035
62	07/08/2011	13:34:09	0.034
63	07/08/2011	13:39:09	0.039
64	07/08/2011	13:44:09	0.033
65	07/08/2011	13:49:09	0.032
66	07/08/2011	13:54:09	0.033
67	07/08/2011	13:59:09	0.032
68	07/08/2011	14:04:09	0.032
69	07/08/2011	14:09:09	0.033
70	07/08/2011	14:14:09	0.031
71	07/08/2011	14:19:09	0.030
72	07/08/2011	14:24:09	0.028
73	07/08/2011	14:29:09	0.028
74	07/08/2011	14:34:09	0.027
75	07/08/2011	14:39:09	0.028
76	07/08/2011	14:44:09	0.026
77	07/08/2011	14:49:09	0.025
78	07/08/2011	14:54:09	0.025
79	07/08/2011	14:59:09	0.025
80	07/08/2011	15:04:09	0.025
81	07/08/2011	15:09:09	0.025

# Test 005

Instrument		Data Properties	
Model	Dust Trak	Start Date	07/11/2011
Meter S/N	85201091	Start Time	08:35:05
		Stop Date	07/11/2011
		Stop Time	15:54:05
		Total Time	0:07:19:00
		Logging Interval	60 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	07/11/2011	08:36:05	0.093
2	07/11/2011	08:37:05	0.188
3	07/11/2011	08:38:05	0.076
4	07/11/2011	08:39:05	0.075
5	07/11/2011	08:40:05	0.075
6	07/11/2011	08:41:05	0.075
7	07/11/2011	08:42:05	0.072
8	07/11/2011	08:43:05	0.072
9	07/11/2011	08:44:05	0.070
10	07/11/2011	08:45:05	0.070
11	07/11/2011	08:46:05	0.069
12	07/11/2011	08:47:05	0.069
13	07/11/2011	08:48:05	0.069
14	07/11/2011	08:49:05	0.070
15	07/11/2011	08:50:05	0.069
16	07/11/2011	08:51:05	0.070
17	07/11/2011	08:52:05	0.068
18	07/11/2011	08:53:05	0.067
19	07/11/2011	08:54:05	0.070
20	07/11/2011	08:55:05	0.067
21	07/11/2011	08:56:05	0.066
22	07/11/2011	08:57:05	0.068
23	07/11/2011	08:58:05	0.067
24	07/11/2011	08:59:05	0.065
25	07/11/2011	09:00:05	0.065
26	07/11/2011	09:01:05	0.063
27	07/11/2011	09:02:05	0.064
28	07/11/2011	09:03:05	0.063
29	07/11/2011	09:04:05	0.066
30	07/11/2011	09:05:05	0.062
31	07/11/2011	09:06:05	0.062
32	07/11/2011	09:07:05	0.062
33	07/11/2011	09:08:05	0.063
34	07/11/2011	09:09:05	0.063
35	07/11/2011	09:10:05	0.061
36	07/11/2011	09:11:05	0.062
37	07/11/2011	09:12:05	0.061
38	07/11/2011	09:13:05	0.062
39	07/11/2011	09:14:05	0.061
40	07/11/2011	09:15:05	0.060
41	07/11/2011	09:16:05	0.060
42	07/11/2011	09:17:05	0.062
43	07/11/2011	09:18:05	0.060

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	07/11/2011	09:19:05	0.060
45	07/11/2011	09:20:05	0.061
46	07/11/2011	09:21:05	0.061
47	07/11/2011	09:22:05	0.061
48	07/11/2011	09:23:05	0.059
49	07/11/2011	09:24:05	0.059
50	07/11/2011	09:25:05	0.058
51	07/11/2011	09:26:05	0.058
52	07/11/2011	09:27:05	0.058
53	07/11/2011	09:28:05	0.059
54	07/11/2011	09:29:05	0.059
55	07/11/2011	09:30:05	0.058
56	07/11/2011	09:31:05	0.059
57	07/11/2011	09:32:05	0.060
58	07/11/2011	09:33:05	0.060
59	07/11/2011	09:34:05	0.058
60	07/11/2011	09:35:05	0.057
61	07/11/2011	09:36:05	0.058
62	07/11/2011	09:37:05	0.058
63	07/11/2011	09:38:05	0.058
64	07/11/2011	09:39:05	0.058
65	07/11/2011	09:40:05	0.058
66	07/11/2011	09:41:05	0.057
67	07/11/2011	09:42:05	0.057
68	07/11/2011	09:43:05	0.059
69	07/11/2011	09:44:05	0.058
70	07/11/2011	09:45:05	0.058
71	07/11/2011	09:46:05	0.059
72	07/11/2011	09:47:05	0.058
73	07/11/2011	09:48:05	0.057
74	07/11/2011	09:49:05	0.057
75	07/11/2011	09:50:05	0.056
76	07/11/2011	09:51:05	0.058
77	07/11/2011	09:52:05	0.055
78	07/11/2011	09:53:05	0.056
79	07/11/2011	09:54:05	0.055
80	07/11/2011	09:55:05	0.057
81	07/11/2011	09:56:05	0.056
82	07/11/2011	09:57:05	0.053
83	07/11/2011	09:58:05	0.054
84	07/11/2011	09:59:05	0.053
85	07/11/2011	10:00:05	0.054
86	07/11/2011	10:01:05	0.054
87	07/11/2011	10:02:05	0.054
88	07/11/2011	10:03:05	0.055
89	07/11/2011	10:04:05	0.055
90	07/11/2011	10:05:05	0.054
91	07/11/2011	10:06:05	0.058
92	07/11/2011	10:07:05	0.056
93	07/11/2011	10:08:05	0.054
94	07/11/2011	10:09:05	0.056
95	07/11/2011	10:10:05	0.054
96	07/11/2011	10:11:05	0.055
97	07/11/2011	10:12:05	0.055
98	07/11/2011	10:13:05	0.055

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
99	07/11/2011	10:14:05	0.055
100	07/11/2011	10:15:05	0.053
101	07/11/2011	10:16:05	0.054
102	07/11/2011	10:17:05	0.055
103	07/11/2011	10:18:05	0.056
104	07/11/2011	10:19:05	0.055
105	07/11/2011	10:20:05	0.056
106	07/11/2011	10:21:05	0.057
107	07/11/2011	10:22:05	0.055
108	07/11/2011	10:23:05	0.054
109	07/11/2011	10:24:05	0.054
110	07/11/2011	10:25:05	0.055
111	07/11/2011	10:26:05	0.054
112	07/11/2011	10:27:05	0.055
113	07/11/2011	10:28:05	0.053
114	07/11/2011	10:29:05	0.054
115	07/11/2011	10:30:05	0.056
116	07/11/2011	10:31:05	0.053
117	07/11/2011	10:32:05	0.057
118	07/11/2011	10:33:05	0.054
119	07/11/2011	10:34:05	0.055
120	07/11/2011	10:35:05	0.054
121	07/11/2011	10:36:05	0.053
122	07/11/2011	10:37:05	0.054
123	07/11/2011	10:38:05	0.052
124	07/11/2011	10:39:05	0.053
125	07/11/2011	10:40:05	0.053
126	07/11/2011	10:41:05	0.056
127	07/11/2011	10:42:05	0.053
128	07/11/2011	10:43:05	0.056
129	07/11/2011	10:44:05	0.061
130	07/11/2011	10:45:05	0.055
131	07/11/2011	10:46:05	0.053
132	07/11/2011	10:47:05	0.054
133	07/11/2011	10:48:05	0.057
134	07/11/2011	10:49:05	0.053
135	07/11/2011	10:50:05	0.054
136	07/11/2011	10:51:05	0.055
137	07/11/2011	10:52:05	0.057
138	07/11/2011	10:53:05	0.057
139	07/11/2011	10:54:05	0.055
140	07/11/2011	10:55:05	0.057
141	07/11/2011	10:56:05	0.056
142	07/11/2011	10:57:05	0.058
143	07/11/2011	10:58:05	0.056
144	07/11/2011	10:59:05	0.055
145	07/11/2011	11:00:05	0.057
146	07/11/2011	11:01:05	0.057
147	07/11/2011	11:02:05	0.055
148	07/11/2011	11:03:05	0.055
149	07/11/2011	11:04:05	0.055
150	07/11/2011	11:05:05	0.054
151	07/11/2011	11:06:05	0.055
152	07/11/2011	11:07:05	0.056
153	07/11/2011	11:08:05	0.054

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
154	07/11/2011	11:09:05	0.055
155	07/11/2011	11:10:05	0.056
156	07/11/2011	11:11:05	0.057
157	07/11/2011	11:12:05	0.056
158	07/11/2011	11:13:05	0.055
159	07/11/2011	11:14:05	0.056
160	07/11/2011	11:15:05	0.053
161	07/11/2011	11:16:05	0.056
162	07/11/2011	11:17:05	0.056
163	07/11/2011	11:18:05	0.055
164	07/11/2011	11:19:05	0.056
165	07/11/2011	11:20:05	0.057
166	07/11/2011	11:21:05	0.054
167	07/11/2011	11:22:05	0.056
168	07/11/2011	11:23:05	0.058
169	07/11/2011	11:24:05	0.055
170	07/11/2011	11:25:05	0.057
171	07/11/2011	11:26:05	0.057
172	07/11/2011	11:27:05	0.057
173	07/11/2011	11:28:05	0.059
174	07/11/2011	11:29:05	0.056
175	07/11/2011	11:30:05	0.056
176	07/11/2011	11:31:05	0.056
177	07/11/2011	11:32:05	0.057
178	07/11/2011	11:33:05	0.057
179	07/11/2011	11:34:05	0.060
180	07/11/2011	11:35:05	0.057
181	07/11/2011	11:36:05	0.058
182	07/11/2011	11:37:05	0.057
183	07/11/2011	11:38:05	0.060
184	07/11/2011	11:39:05	0.060
185	07/11/2011	11:40:05	0.058
186	07/11/2011	11:41:05	0.058
187	07/11/2011	11:42:05	0.058
188	07/11/2011	11:43:05	0.057
189	07/11/2011	11:44:05	0.058
190	07/11/2011	11:45:05	0.057
191	07/11/2011	11:46:05	0.057
192	07/11/2011	11:47:05	0.058
193	07/11/2011	11:48:05	0.058
194	07/11/2011	11:49:05	0.057
195	07/11/2011	11:50:05	0.057
196	07/11/2011	11:51:05	0.056
197	07/11/2011	11:52:05	0.056
198	07/11/2011	11:53:05	0.056
199	07/11/2011	11:54:05	0.058
200	07/11/2011	11:55:05	0.056
201	07/11/2011	11:56:05	0.057
202	07/11/2011	11:57:05	0.058
203	07/11/2011	11:58:05	0.057
204	07/11/2011	11:59:05	0.058
205	07/11/2011	12:00:05	0.059
206	07/11/2011	12:01:05	0.057
207	07/11/2011	12:02:05	0.056
208	07/11/2011	12:03:05	0.057

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
209	07/11/2011	12:04:05	0.056
210	07/11/2011	12:05:05	0.057
211	07/11/2011	12:06:05	0.057
212	07/11/2011	12:07:05	0.059
213	07/11/2011	12:08:05	0.057
214	07/11/2011	12:09:05	0.058
215	07/11/2011	12:10:05	0.057
216	07/11/2011	12:11:05	0.058
217	07/11/2011	12:12:05	0.056
218	07/11/2011	12:13:05	0.058
219	07/11/2011	12:14:05	0.057
220	07/11/2011	12:15:05	0.056
221	07/11/2011	12:16:05	0.056
222	07/11/2011	12:17:05	0.057
223	07/11/2011	12:18:05	0.055
224	07/11/2011	12:19:05	0.056
225	07/11/2011	12:20:05	0.054
226	07/11/2011	12:21:05	0.052
227	07/11/2011	12:22:05	0.054
228	07/11/2011	12:23:05	0.055
229	07/11/2011	12:24:05	0.054
230	07/11/2011	12:25:05	0.054
231	07/11/2011	12:26:05	0.057
232	07/11/2011	12:27:05	0.055
233	07/11/2011	12:28:05	0.056
234	07/11/2011	12:29:05	0.056
235	07/11/2011	12:30:05	0.057
236	07/11/2011	12:31:05	0.055
237	07/11/2011	12:32:05	0.054
238	07/11/2011	12:33:05	0.053
239	07/11/2011	12:34:05	0.054
240	07/11/2011	12:35:05	0.055
241	07/11/2011	12:36:05	0.057
242	07/11/2011	12:37:05	0.055
243	07/11/2011	12:38:05	0.055
244	07/11/2011	12:39:05	0.053
245	07/11/2011	12:40:05	0.053
246	07/11/2011	12:41:05	0.054
247	07/11/2011	12:42:05	0.052
248	07/11/2011	12:43:05	0.053
249	07/11/2011	12:44:05	0.052
250	07/11/2011	12:45:05	0.054
251	07/11/2011	12:46:05	0.053
252	07/11/2011	12:47:05	0.056
253	07/11/2011	12:48:05	0.055
254	07/11/2011	12:49:05	0.055
255	07/11/2011	12:50:05	0.055
256	07/11/2011	12:51:05	0.054
257	07/11/2011	12:52:05	0.055
258	07/11/2011	12:53:05	0.055
259	07/11/2011	12:54:05	0.053
260	07/11/2011	12:55:05	0.054
261	07/11/2011	12:56:05	0.053
262	07/11/2011	12:57:05	0.054
263	07/11/2011	12:58:05	0.057



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
264	07/11/2011	12:59:05	0.056
265	07/11/2011	13:00:05	0.055
266	07/11/2011	13:01:05	0.054
267	07/11/2011	13:02:05	0.054
268	07/11/2011	13:03:05	0.053
269	07/11/2011	13:04:05	0.054
270	07/11/2011	13:05:05	0.055
271	07/11/2011	13:06:05	0.054
272	07/11/2011	13:07:05	0.053
273	07/11/2011	13:08:05	0.055
274	07/11/2011	13:09:05	0.057
275	07/11/2011	13:10:05	0.055
276	07/11/2011	13:11:05	0.053
277	07/11/2011	13:12:05	0.054
278	07/11/2011	13:13:05	0.055
279	07/11/2011	13:14:05	0.056
280	07/11/2011	13:15:05	0.055
281	07/11/2011	13:16:05	0.055
282	07/11/2011	13:17:05	0.054
283	07/11/2011	13:18:05	0.054
284	07/11/2011	13:19:05	0.060
285	07/11/2011	13:20:05	0.055
286	07/11/2011	13:21:05	0.056
287	07/11/2011	13:22:05	0.054
288	07/11/2011	13:23:05	0.057
289	07/11/2011	13:24:05	0.054
290	07/11/2011	13:25:05	0.054
291	07/11/2011	13:26:05	0.055
292	07/11/2011	13:27:05	0.055
293	07/11/2011	13:28:05	0.055
294	07/11/2011	13:29:05	0.058
295	07/11/2011	13:30:05	0.056
296	07/11/2011	13:31:05	0.056
297	07/11/2011	13:32:05	0.055
298	07/11/2011	13:33:05	0.054
299	07/11/2011	13:34:05	0.056
300	07/11/2011	13:35:05	0.056
301	07/11/2011	13:36:05	0.056
302	07/11/2011	13:37:05	0.055
303	07/11/2011	13:38:05	0.055
304	07/11/2011	13:39:05	0.055
305	07/11/2011	13:40:05	0.054
306	07/11/2011	13:41:05	0.055
307	07/11/2011	13:42:05	0.055
308	07/11/2011	13:43:05	0.054
309	07/11/2011	13:44:05	0.054
310	07/11/2011	13:45:05	0.056
311	07/11/2011	13:46:05	0.056
312	07/11/2011	13:47:05	0.056
313	07/11/2011	13:48:05	0.056
314	07/11/2011	13:49:05	0.056
315	07/11/2011	13:50:05	0.057
316	07/11/2011	13:51:05	0.056
317	07/11/2011	13:52:05	0.055
318	07/11/2011	13:53:05	0.055

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
319	07/11/2011	13:54:05	0.057
320	07/11/2011	13:55:05	0.055
321	07/11/2011	13:56:05	0.055
322	07/11/2011	13:57:05	0.056
323	07/11/2011	13:58:05	0.056
324	07/11/2011	13:59:05	0.057
325	07/11/2011	14:00:05	0.055
326	07/11/2011	14:01:05	0.055
327	07/11/2011	14:02:05	0.056
328	07/11/2011	14:03:05	0.055
329	07/11/2011	14:04:05	0.055
330	07/11/2011	14:05:05	0.056
331	07/11/2011	14:06:05	0.055
332	07/11/2011	14:07:05	0.056
333	07/11/2011	14:08:05	0.056
334	07/11/2011	14:09:05	0.053
335	07/11/2011	14:10:05	0.052
336	07/11/2011	14:11:05	0.054
337	07/11/2011	14:12:05	0.055
338	07/11/2011	14:13:05	0.056
339	07/11/2011	14:14:05	0.058
340	07/11/2011	14:15:05	0.057
341	07/11/2011	14:16:05	0.056
342	07/11/2011	14:17:05	0.059
343	07/11/2011	14:18:05	0.060
344	07/11/2011	14:19:05	0.056
345	07/11/2011	14:20:05	0.058
346	07/11/2011	14:21:05	0.071
347	07/11/2011	14:22:05	0.060
348	07/11/2011	14:23:05	0.056
349	07/11/2011	14:24:05	0.057
350	07/11/2011	14:25:05	0.057
351	07/11/2011	14:26:05	0.056
352	07/11/2011	14:27:05	0.058
353	07/11/2011	14:28:05	0.057
354	07/11/2011	14:29:05	0.058
355	07/11/2011	14:30:05	0.057
356	07/11/2011	14:31:05	0.059
357	07/11/2011	14:32:05	0.059
358	07/11/2011	14:33:05	0.058
359	07/11/2011	14:34:05	0.059
360	07/11/2011	14:35:05	0.059
361	07/11/2011	14:36:05	0.061
362	07/11/2011	14:37:05	0.059
363	07/11/2011	14:38:05	0.059
364	07/11/2011	14:39:05	0.060
365	07/11/2011	14:40:05	0.065
366	07/11/2011	14:41:05	0.062
367	07/11/2011	14:42:05	0.057
368	07/11/2011	14:43:05	0.058
369	07/11/2011	14:44:05	0.058
370	07/11/2011	14:45:05	0.057
371	07/11/2011	14:46:05	0.057
372	07/11/2011	14:47:05	0.056
373	07/11/2011	14:48:05	0.057

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
374	07/11/2011	14:49:05	0.061
375	07/11/2011	14:50:05	0.063
376	07/11/2011	14:51:05	0.060
377	07/11/2011	14:52:05	0.059
378	07/11/2011	14:53:05	0.058
379	07/11/2011	14:54:05	0.058
380	07/11/2011	14:55:05	0.059
381	07/11/2011	14:56:05	0.060
382	07/11/2011	14:57:05	0.059
383	07/11/2011	14:58:05	0.058
384	07/11/2011	14:59:05	0.056
385	07/11/2011	15:00:05	0.056
386	07/11/2011	15:01:05	0.056
387	07/11/2011	15:02:05	0.057
388	07/11/2011	15:03:05	0.056
389	07/11/2011	15:04:05	0.055
390	07/11/2011	15:05:05	0.054
391	07/11/2011	15:06:05	0.054
392	07/11/2011	15:07:05	0.054
393	07/11/2011	15:08:05	0.058
394	07/11/2011	15:09:05	0.058
395	07/11/2011	15:10:05	0.059
396	07/11/2011	15:11:05	0.057
397	07/11/2011	15:12:05	0.054
398	07/11/2011	15:13:05	0.052
399	07/11/2011	15:14:05	0.055
400	07/11/2011	15:15:05	0.054
401	07/11/2011	15:16:05	0.059
402	07/11/2011	15:17:05	0.054
403	07/11/2011	15:18:05	0.051
404	07/11/2011	15:19:05	0.052
405	07/11/2011	15:20:05	0.051
406	07/11/2011	15:21:05	0.050
407	07/11/2011	15:22:05	0.660
408	07/11/2011	15:23:05	0.055
409	07/11/2011	15:24:05	0.050
410	07/11/2011	15:25:05	0.050
411	07/11/2011	15:26:05	0.051
412	07/11/2011	15:27:05	0.050
413	07/11/2011	15:28:05	0.049
414	07/11/2011	15:29:05	0.050
415	07/11/2011	15:30:05	0.049
416	07/11/2011	15:31:05	0.048
417	07/11/2011	15:32:05	0.050
418	07/11/2011	15:33:05	0.051
419	07/11/2011	15:34:05	0.049
420	07/11/2011	15:35:05	0.049
421	07/11/2011	15:36:05	0.050
422	07/11/2011	15:37:05	0.048
423	07/11/2011	15:38:05	0.047
424	07/11/2011	15:39:05	0.047
425	07/11/2011	15:40:05	0.047
426	07/11/2011	15:41:05	0.047
427	07/11/2011	15:42:05	0.048
428	07/11/2011	15:43:05	0.048

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
429	07/11/2011	15:44:05	0.046
430	07/11/2011	15:45:05	0.046
431	07/11/2011	15:46:05	0.047
432	07/11/2011	15:47:05	0.047
433	07/11/2011	15:48:05	0.047
434	07/11/2011	15:49:05	0.048
435	07/11/2011	15:50:05	0.047
436	07/11/2011	15:51:05	0.047
437	07/11/2011	15:52:05	0.046
438	07/11/2011	15:53:05	0.057
439	07/11/2011	15:54:05	0.052

# Test 005

Instrument		Data Properties	
Model	Dust Trak	Start Date	07/11/2011
Meter S/N	85201065	Start Time	08:33:16
		Stop Date	07/11/2011
		Stop Time	08:48:16
		Total Time	0:00:15:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	07/11/2011	08:38:16	0.072
2	07/11/2011	08:43:16	0.075
3	07/11/2011	08:48:16	0.075

# Test 006

Instrument		Data Properties	
Model	Dust Trak	Start Date	07/12/2011
Meter S/N	85201091	Start Time	07:49:20
		Stop Date	07/12/2011
		Stop Time	16:24:20
		Total Time	0:08:35:00
		Logging Interval	60 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	07/12/2011	07:50:20	0.252
2	07/12/2011	07:51:20	0.031
3	07/12/2011	07:52:20	0.032
4	07/12/2011	07:53:20	0.031
5	07/12/2011	07:54:20	0.030
6	07/12/2011	07:55:20	0.030
7	07/12/2011	07:56:20	0.030
8	07/12/2011	07:57:20	0.029
9	07/12/2011	07:58:20	0.032
10	07/12/2011	07:59:20	0.030
11	07/12/2011	08:00:20	0.029
12	07/12/2011	08:01:20	0.032
13	07/12/2011	08:02:20	0.028
14	07/12/2011	08:03:20	0.030
15	07/12/2011	08:04:20	0.030
16	07/12/2011	08:05:20	0.029
17	07/12/2011	08:06:20	0.028
18	07/12/2011	08:07:20	0.030
19	07/12/2011	08:08:20	0.029
20	07/12/2011	08:09:20	0.028
21	07/12/2011	08:10:20	0.029
22	07/12/2011	08:11:20	0.027
23	07/12/2011	08:12:20	0.028
24	07/12/2011	08:13:20	0.029
25	07/12/2011	08:14:20	0.029
26	07/12/2011	08:15:20	0.032
27	07/12/2011	08:16:20	0.029
28	07/12/2011	08:17:20	0.029
29	07/12/2011	08:18:20	0.030
30	07/12/2011	08:19:20	0.029
31	07/12/2011	08:20:20	0.031
32	07/12/2011	08:21:20	0.029
33	07/12/2011	08:22:20	0.030
34	07/12/2011	08:23:20	0.029
35	07/12/2011	08:24:20	0.029
36	07/12/2011	08:25:20	0.029
37	07/12/2011	08:26:20	0.029
38	07/12/2011	08:27:20	0.028
39	07/12/2011	08:28:20	0.032
40	07/12/2011	08:29:20	0.029
41	07/12/2011	08:30:20	0.028
42	07/12/2011	08:31:20	0.028
43	07/12/2011	08:32:20	0.028

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	07/12/2011	08:33:20	0.028
45	07/12/2011	08:34:20	0.029
46	07/12/2011	08:35:20	0.030
47	07/12/2011	08:36:20	0.029
48	07/12/2011	08:37:20	0.028
49	07/12/2011	08:38:20	0.027
50	07/12/2011	08:39:20	0.026
51	07/12/2011	08:40:20	0.027
52	07/12/2011	08:41:20	0.029
53	07/12/2011	08:42:20	0.027
54	07/12/2011	08:43:20	0.028
55	07/12/2011	08:44:20	0.028
56	07/12/2011	08:45:20	0.027
57	07/12/2011	08:46:20	0.026
58	07/12/2011	08:47:20	0.027
59	07/12/2011	08:48:20	0.027
60	07/12/2011	08:49:20	0.027
61	07/12/2011	08:50:20	0.028
62	07/12/2011	08:51:20	0.026
63	07/12/2011	08:52:20	0.026
64	07/12/2011	08:53:20	0.025
65	07/12/2011	08:54:20	0.025
66	07/12/2011	08:55:20	0.026
67	07/12/2011	08:56:20	0.026
68	07/12/2011	08:57:20	0.024
69	07/12/2011	08:58:20	0.025
70	07/12/2011	08:59:20	0.025
71	07/12/2011	09:00:20	0.028
72	07/12/2011	09:01:20	0.025
73	07/12/2011	09:02:20	0.026
74	07/12/2011	09:03:20	0.024
75	07/12/2011	09:04:20	0.024
76	07/12/2011	09:05:20	0.024
77	07/12/2011	09:06:20	0.023
78	07/12/2011	09:07:20	0.025
79	07/12/2011	09:08:20	0.025
80	07/12/2011	09:09:20	0.026
81	07/12/2011	09:10:20	0.026
82	07/12/2011	09:11:20	0.025
83	07/12/2011	09:12:20	0.026
84	07/12/2011	09:13:20	0.027
85	07/12/2011	09:14:20	0.030
86	07/12/2011	09:15:20	0.026
87	07/12/2011	09:16:20	0.026
88	07/12/2011	09:17:20	0.027
89	07/12/2011	09:18:20	0.028
90	07/12/2011	09:19:20	0.026
91	07/12/2011	09:20:20	0.026
92	07/12/2011	09:21:20	0.028
93	07/12/2011	09:22:20	0.028
94	07/12/2011	09:23:20	0.030
95	07/12/2011	09:24:20	0.028
96	07/12/2011	09:25:20	0.027
97	07/12/2011	09:26:20	0.030
98	07/12/2011	09:27:20	0.028

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
99	07/12/2011	09:28:20	0.029
100	07/12/2011	09:29:20	0.029
101	07/12/2011	09:30:20	0.030
102	07/12/2011	09:31:20	0.029
103	07/12/2011	09:32:20	0.031
104	07/12/2011	09:33:20	0.033
105	07/12/2011	09:34:20	0.031
106	07/12/2011	09:35:20	0.031
107	07/12/2011	09:36:20	0.032
108	07/12/2011	09:37:20	0.033
109	07/12/2011	09:38:20	0.031
110	07/12/2011	09:39:20	0.031
111	07/12/2011	09:40:20	0.030
112	07/12/2011	09:41:20	0.029
113	07/12/2011	09:42:20	0.030
114	07/12/2011	09:43:20	0.029
115	07/12/2011	09:44:20	0.029
116	07/12/2011	09:45:20	0.030
117	07/12/2011	09:46:20	0.030
118	07/12/2011	09:47:20	0.029
119	07/12/2011	09:48:20	0.029
120	07/12/2011	09:49:20	0.030
121	07/12/2011	09:50:20	0.029
122	07/12/2011	09:51:20	0.030
123	07/12/2011	09:52:20	0.027
124	07/12/2011	09:53:20	0.029
125	07/12/2011	09:54:20	0.028
126	07/12/2011	09:55:20	0.028
127	07/12/2011	09:56:20	0.027
128	07/12/2011	09:57:20	0.026
129	07/12/2011	09:58:20	0.026
130	07/12/2011	09:59:20	0.027
131	07/12/2011	10:00:20	0.028
132	07/12/2011	10:01:20	0.027
133	07/12/2011	10:02:20	0.027
134	07/12/2011	10:03:20	0.027
135	07/12/2011	10:04:20	0.027
136	07/12/2011	10:05:20	0.028
137	07/12/2011	10:06:20	0.028
138	07/12/2011	10:07:20	0.026
139	07/12/2011	10:08:20	0.027
140	07/12/2011	10:09:20	0.027
141	07/12/2011	10:10:20	0.027
142	07/12/2011	10:11:20	0.027
143	07/12/2011	10:12:20	0.027
144	07/12/2011	10:13:20	0.027
145	07/12/2011	10:14:20	0.028
146	07/12/2011	10:15:20	0.027
147	07/12/2011	10:16:20	0.029
148	07/12/2011	10:17:20	0.029
149	07/12/2011	10:18:20	0.029
150	07/12/2011	10:19:20	0.029
151	07/12/2011	10:20:20	0.028
152	07/12/2011	10:21:20	0.028
153	07/12/2011	10:22:20	0.029



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
154	07/12/2011	10:23:20	0.028
155	07/12/2011	10:24:20	0.030
156	07/12/2011	10:25:20	0.029
157	07/12/2011	10:26:20	0.028
158	07/12/2011	10:27:20	0.028
159	07/12/2011	10:28:20	0.028
160	07/12/2011	10:29:20	0.027
161	07/12/2011	10:30:20	0.029
162	07/12/2011	10:31:20	0.026
163	07/12/2011	10:32:20	0.029
164	07/12/2011	10:33:20	0.028
165	07/12/2011	10:34:20	0.027
166	07/12/2011	10:35:20	0.028
167	07/12/2011	10:36:20	0.027
168	07/12/2011	10:37:20	0.028
169	07/12/2011	10:38:20	0.027
170	07/12/2011	10:39:20	0.026
171	07/12/2011	10:40:20	0.027
172	07/12/2011	10:41:20	0.028
173	07/12/2011	10:42:20	0.027
174	07/12/2011	10:43:20	0.027
175	07/12/2011	10:44:20	0.028
176	07/12/2011	10:45:20	0.028
177	07/12/2011	10:46:20	0.028
178	07/12/2011	10:47:20	0.028
179	07/12/2011	10:48:20	0.029
180	07/12/2011	10:49:20	0.029
181	07/12/2011	10:50:20	0.029
182	07/12/2011	10:51:20	0.027
183	07/12/2011	10:52:20	0.027
184	07/12/2011	10:53:20	0.029
185	07/12/2011	10:54:20	0.029
186	07/12/2011	10:55:20	0.033
187	07/12/2011	10:56:20	0.031
188	07/12/2011	10:57:20	0.029
189	07/12/2011	10:58:20	0.027
190	07/12/2011	10:59:20	0.027
191	07/12/2011	11:00:20	0.028
192	07/12/2011	11:01:20	0.027
193	07/12/2011	11:02:20	0.030
194	07/12/2011	11:03:20	0.029
195	07/12/2011	11:04:20	0.029
196	07/12/2011	11:05:20	0.029
197	07/12/2011	11:06:20	0.029
198	07/12/2011	11:07:20	0.030
199	07/12/2011	11:08:20	0.030
200	07/12/2011	11:09:20	0.030
201	07/12/2011	11:10:20	0.029
202	07/12/2011	11:11:20	0.030
203	07/12/2011	11:12:20	0.027
204	07/12/2011	11:13:20	0.029
205	07/12/2011	11:14:20	0.026
206	07/12/2011	11:15:20	0.027
207	07/12/2011	11:16:20	0.026
208	07/12/2011	11:17:20	0.030

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
209	07/12/2011	11:18:20	0.029
210	07/12/2011	11:19:20	0.032
211	07/12/2011	11:20:20	0.030
212	07/12/2011	11:21:20	0.030
213	07/12/2011	11:22:20	0.033
214	07/12/2011	11:23:20	0.032
215	07/12/2011	11:24:20	0.032
216	07/12/2011	11:25:20	0.032
217	07/12/2011	11:26:20	0.037
218	07/12/2011	11:27:20	0.028
219	07/12/2011	11:28:20	0.032
220	07/12/2011	11:29:20	0.030
221	07/12/2011	11:30:20	0.029
222	07/12/2011	11:31:20	0.033
223	07/12/2011	11:32:20	0.030
224	07/12/2011	11:33:20	0.029
225	07/12/2011	11:34:20	0.028
226	07/12/2011	11:35:20	0.028
227	07/12/2011	11:36:20	0.029
228	07/12/2011	11:37:20	0.030
229	07/12/2011	11:38:20	0.028
230	07/12/2011	11:39:20	0.028
231	07/12/2011	11:40:20	0.028
232	07/12/2011	11:41:20	0.028
233	07/12/2011	11:42:20	0.031
234	07/12/2011	11:43:20	0.029
235	07/12/2011	11:44:20	0.027
236	07/12/2011	11:45:20	0.034
237	07/12/2011	11:46:20	0.027
238	07/12/2011	11:47:20	0.030
239	07/12/2011	11:48:20	0.030
240	07/12/2011	11:49:20	0.029
241	07/12/2011	11:50:20	0.028
242	07/12/2011	11:51:20	0.025
243	07/12/2011	11:52:20	0.027
244	07/12/2011	11:53:20	0.028
245	07/12/2011	11:54:20	0.026
246	07/12/2011	11:55:20	0.026
247	07/12/2011	11:56:20	0.029
248	07/12/2011	11:57:20	0.027
249	07/12/2011	11:58:20	0.027
250	07/12/2011	11:59:20	0.029
251	07/12/2011	12:00:20	0.027
252	07/12/2011	12:01:20	0.027
253	07/12/2011	12:02:20	0.029
254	07/12/2011	12:03:20	0.027
255	07/12/2011	12:04:20	0.029
256	07/12/2011	12:05:20	0.026
257	07/12/2011	12:06:20	0.025
258	07/12/2011	12:07:20	0.027
259	07/12/2011	12:08:20	0.025
260	07/12/2011	12:09:20	0.024
261	07/12/2011	12:10:20	0.026
262	07/12/2011	12:11:20	0.026
263	07/12/2011	12:12:20	0.024

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
264	07/12/2011	12:13:20	0.026
265	07/12/2011	12:14:20	0.027
266	07/12/2011	12:15:20	0.026
267	07/12/2011	12:16:20	0.026
268	07/12/2011	12:17:20	0.027
269	07/12/2011	12:18:20	0.026
270	07/12/2011	12:19:20	0.025
271	07/12/2011	12:20:20	0.023
272	07/12/2011	12:21:20	0.026
273	07/12/2011	12:22:20	0.028
274	07/12/2011	12:23:20	0.023
275	07/12/2011	12:24:20	0.022
276	07/12/2011	12:25:20	0.023
277	07/12/2011	12:26:20	0.024
278	07/12/2011	12:27:20	0.024
279	07/12/2011	12:28:20	0.023
280	07/12/2011	12:29:20	0.022
281	07/12/2011	12:30:20	0.020
282	07/12/2011	12:31:20	0.021
283	07/12/2011	12:32:20	0.020
284	07/12/2011	12:33:20	0.021
285	07/12/2011	12:34:20	0.021
286	07/12/2011	12:35:20	0.021
287	07/12/2011	12:36:20	0.022
288	07/12/2011	12:37:20	0.020
289	07/12/2011	12:38:20	0.019
290	07/12/2011	12:39:20	0.018
291	07/12/2011	12:40:20	0.019
292	07/12/2011	12:41:20	0.019
293	07/12/2011	12:42:20	0.020
294	07/12/2011	12:43:20	0.020
295	07/12/2011	12:44:20	0.020
296	07/12/2011	12:45:20	0.019
297	07/12/2011	12:46:20	0.018
298	07/12/2011	12:47:20	0.020
299	07/12/2011	12:48:20	0.021
300	07/12/2011	12:49:20	0.019
301	07/12/2011	12:50:20	0.019
302	07/12/2011	12:51:20	0.020
303	07/12/2011	12:52:20	0.018
304	07/12/2011	12:53:20	0.019
305	07/12/2011	12:54:20	0.019
306	07/12/2011	12:55:20	0.020
307	07/12/2011	12:56:20	0.026
308	07/12/2011	12:57:20	0.020
309	07/12/2011	12:58:20	0.021
310	07/12/2011	12:59:20	0.021
311	07/12/2011	13:00:20	0.020
312	07/12/2011	13:01:20	0.021
313	07/12/2011	13:02:20	0.023
314	07/12/2011	13:03:20	0.021
315	07/12/2011	13:04:20	0.021
316	07/12/2011	13:05:20	0.022
317	07/12/2011	13:06:20	0.022
318	07/12/2011	13:07:20	0.020

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
319	07/12/2011	13:08:20	0.019
320	07/12/2011	13:09:20	0.021
321	07/12/2011	13:10:20	0.020
322	07/12/2011	13:11:20	0.020
323	07/12/2011	13:12:20	0.019
324	07/12/2011	13:13:20	0.018
325	07/12/2011	13:14:20	0.018
326	07/12/2011	13:15:20	0.018
327	07/12/2011	13:16:20	0.019
328	07/12/2011	13:17:20	0.018
329	07/12/2011	13:18:20	0.018
330	07/12/2011	13:19:20	0.025
331	07/12/2011	13:20:20	0.021
332	07/12/2011	13:21:20	0.017
333	07/12/2011	13:22:20	0.017
334	07/12/2011	13:23:20	0.018
335	07/12/2011	13:24:20	0.017
336	07/12/2011	13:25:20	0.022
337	07/12/2011	13:26:20	0.018
338	07/12/2011	13:27:20	0.020
339	07/12/2011	13:28:20	0.021
340	07/12/2011	13:29:20	0.019
341	07/12/2011	13:30:20	0.019
342	07/12/2011	13:31:20	0.018
343	07/12/2011	13:32:20	0.019
344	07/12/2011	13:33:20	0.020
345	07/12/2011	13:34:20	0.022
346	07/12/2011	13:35:20	0.023
347	07/12/2011	13:36:20	0.023
348	07/12/2011	13:37:20	0.020
349	07/12/2011	13:38:20	0.021
350	07/12/2011	13:39:20	0.024
351	07/12/2011	13:40:20	0.019
352	07/12/2011	13:41:20	0.024
353	07/12/2011	13:42:20	0.019
354	07/12/2011	13:43:20	0.017
355	07/12/2011	13:44:20	0.019
356	07/12/2011	13:45:20	0.018
357	07/12/2011	13:46:20	0.017
358	07/12/2011	13:47:20	0.021
359	07/12/2011	13:48:20	0.019
360	07/12/2011	13:49:20	0.020
361	07/12/2011	13:50:20	0.018
362	07/12/2011	13:51:20	0.017
363	07/12/2011	13:52:20	0.017
364	07/12/2011	13:53:20	0.019
365	07/12/2011	13:54:20	0.031
366	07/12/2011	13:55:20	0.026
367	07/12/2011	13:56:20	0.017
368	07/12/2011	13:57:20	0.017
369	07/12/2011	13:58:20	0.017
370	07/12/2011	13:59:20	0.024
371	07/12/2011	14:00:20	0.019
372	07/12/2011	14:01:20	0.017
373	07/12/2011	14:02:20	0.019

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
374	07/12/2011	14:03:20	0.020
375	07/12/2011	14:04:20	0.018
376	07/12/2011	14:05:20	0.016
377	07/12/2011	14:06:20	0.016
378	07/12/2011	14:07:20	0.016
379	07/12/2011	14:08:20	0.019
380	07/12/2011	14:09:20	0.018
381	07/12/2011	14:10:20	0.018
382	07/12/2011	14:11:20	0.017
383	07/12/2011	14:12:20	0.018
384	07/12/2011	14:13:20	0.018
385	07/12/2011	14:14:20	0.018
386	07/12/2011	14:15:20	0.017
387	07/12/2011	14:16:20	0.018
388	07/12/2011	14:17:20	0.018
389	07/12/2011	14:18:20	0.017
390	07/12/2011	14:19:20	0.020
391	07/12/2011	14:20:20	0.017
392	07/12/2011	14:21:20	0.020
393	07/12/2011	14:22:20	0.019
394	07/12/2011	14:23:20	0.019
395	07/12/2011	14:24:20	0.018
396	07/12/2011	14:25:20	0.018
397	07/12/2011	14:26:20	0.017
398	07/12/2011	14:27:20	0.018
399	07/12/2011	14:28:20	0.017
400	07/12/2011	14:29:20	0.019
401	07/12/2011	14:30:20	0.017
402	07/12/2011	14:31:20	0.019
403	07/12/2011	14:32:20	0.019
404	07/12/2011	14:33:20	0.017
405	07/12/2011	14:34:20	0.018
406	07/12/2011	14:35:20	0.019
407	07/12/2011	14:36:20	0.017
408	07/12/2011	14:37:20	0.018
409	07/12/2011	14:38:20	0.019
410	07/12/2011	14:39:20	0.019
411	07/12/2011	14:40:20	0.019
412	07/12/2011	14:41:20	0.018
413	07/12/2011	14:42:20	0.018
414	07/12/2011	14:43:20	0.016
415	07/12/2011	14:44:20	0.016
416	07/12/2011	14:45:20	0.019
417	07/12/2011	14:46:20	0.016
418	07/12/2011	14:47:20	0.017
419	07/12/2011	14:48:20	0.019
420	07/12/2011	14:49:20	0.020
421	07/12/2011	14:50:20	0.018
422	07/12/2011	14:51:20	0.017
423	07/12/2011	14:52:20	0.018
424	07/12/2011	14:53:20	0.020
425	07/12/2011	14:54:20	0.020
426	07/12/2011	14:55:20	0.020
427	07/12/2011	14:56:20	0.022
428	07/12/2011	14:57:20	0.020

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
429	07/12/2011	14:58:20	0.019
430	07/12/2011	14:59:20	0.020
431	07/12/2011	15:00:20	0.019
432	07/12/2011	15:01:20	0.018
433	07/12/2011	15:02:20	0.021
434	07/12/2011	15:03:20	0.022
435	07/12/2011	15:04:20	0.021
436	07/12/2011	15:05:20	0.021
437	07/12/2011	15:06:20	0.019
438	07/12/2011	15:07:20	0.021
439	07/12/2011	15:08:20	0.019
440	07/12/2011	15:09:20	0.020
441	07/12/2011	15:10:20	0.022
442	07/12/2011	15:11:20	0.018
443	07/12/2011	15:12:20	0.020
444	07/12/2011	15:13:20	0.018
445	07/12/2011	15:14:20	0.018
446	07/12/2011	15:15:20	0.019
447	07/12/2011	15:16:20	0.019
448	07/12/2011	15:17:20	0.019
449	07/12/2011	15:18:20	0.019
450	07/12/2011	15:19:20	0.020
451	07/12/2011	15:20:20	0.022
452	07/12/2011	15:21:20	0.019
453	07/12/2011	15:22:20	0.026
454	07/12/2011	15:23:20	0.021
455	07/12/2011	15:24:20	0.020
456	07/12/2011	15:25:20	0.021
457	07/12/2011	15:26:20	0.021
458	07/12/2011	15:27:20	0.021
459	07/12/2011	15:28:20	0.019
460	07/12/2011	15:29:20	0.020
461	07/12/2011	15:30:20	0.019
462	07/12/2011	15:31:20	0.020
463	07/12/2011	15:32:20	0.020
464	07/12/2011	15:33:20	0.021
465	07/12/2011	15:34:20	0.020
466	07/12/2011	15:35:20	0.020
467	07/12/2011	15:36:20	0.018
468	07/12/2011	15:37:20	0.021
469	07/12/2011	15:38:20	0.020
470	07/12/2011	15:39:20	0.018
471	07/12/2011	15:40:20	0.020
472	07/12/2011	15:41:20	0.022
473	07/12/2011	15:42:20	0.019
474	07/12/2011	15:43:20	0.019
475	07/12/2011	15:44:20	0.021
476	07/12/2011	15:45:20	0.023
477	07/12/2011	15:46:20	0.017
478	07/12/2011	15:47:20	0.022
479	07/12/2011	15:48:20	0.018
480	07/12/2011	15:49:20	0.019
481	07/12/2011	15:50:20	0.017
482	07/12/2011	15:51:20	0.020
483	07/12/2011	15:52:20	0.017

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
484	07/12/2011	15:53:20	0.021
485	07/12/2011	15:54:20	0.018
486	07/12/2011	15:55:20	0.024
487	07/12/2011	15:56:20	0.029
488	07/12/2011	15:57:20	0.019
489	07/12/2011	15:58:20	0.019
490	07/12/2011	15:59:20	0.017
491	07/12/2011	16:00:20	0.018
492	07/12/2011	16:01:20	0.017
493	07/12/2011	16:02:20	0.017
494	07/12/2011	16:03:20	0.039
495	07/12/2011	16:04:20	0.023
496	07/12/2011	16:05:20	0.031
497	07/12/2011	16:06:20	0.022
498	07/12/2011	16:07:20	0.017
499	07/12/2011	16:08:20	0.029
500	07/12/2011	16:09:20	0.021
501	07/12/2011	16:10:20	0.020
502	07/12/2011	16:11:20	0.020
503	07/12/2011	16:12:20	0.019
504	07/12/2011	16:13:20	0.017
505	07/12/2011	16:14:20	0.020
506	07/12/2011	16:15:20	0.019
507	07/12/2011	16:16:20	0.019
508	07/12/2011	16:17:20	0.019
509	07/12/2011	16:18:20	0.018
510	07/12/2011	16:19:20	0.019
511	07/12/2011	16:20:20	0.020
512	07/12/2011	16:21:20	0.020
513	07/12/2011	16:22:20	0.019
514	07/12/2011	16:23:20	0.018
515	07/12/2011	16:24:20	0.018

# Test 006

Instrument		Data Properties	
Model	Dust Trak	Start Date	07/12/2011
Meter S/N	85201065	Start Time	07:50:18
		Stop Date	07/12/2011
		Stop Time	16:25:18
		Total Time	0:08:35:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	07/12/2011	07:55:18	0.027
2	07/12/2011	08:00:18	0.033
3	07/12/2011	08:05:18	0.031
4	07/12/2011	08:10:18	0.029
5	07/12/2011	08:15:18	0.028
6	07/12/2011	08:20:18	0.029
7	07/12/2011	08:25:18	0.050
8	07/12/2011	08:30:18	0.063
9	07/12/2011	08:35:18	0.038
10	07/12/2011	08:40:18	0.025
11	07/12/2011	08:45:18	0.032
12	07/12/2011	08:50:18	0.025
13	07/12/2011	08:55:18	0.023
14	07/12/2011	09:00:18	0.023
15	07/12/2011	09:05:18	0.021
16	07/12/2011	09:10:18	0.025
17	07/12/2011	09:15:18	0.028
18	07/12/2011	09:20:18	0.026
19	07/12/2011	09:25:18	0.030
20	07/12/2011	09:30:18	0.028
21	07/12/2011	09:35:18	0.031
22	07/12/2011	09:40:18	0.033
23	07/12/2011	09:45:18	0.029
24	07/12/2011	09:50:18	0.027
25	07/12/2011	09:55:18	0.025
26	07/12/2011	10:00:18	0.023
27	07/12/2011	10:05:18	0.023
28	07/12/2011	10:10:18	0.025
29	07/12/2011	10:15:18	0.024
30	07/12/2011	10:20:18	0.028
31	07/12/2011	10:25:18	0.025
32	07/12/2011	10:30:18	0.025
33	07/12/2011	10:35:18	0.025
34	07/12/2011	10:40:18	0.027
35	07/12/2011	10:45:18	0.025
36	07/12/2011	10:50:18	0.026
37	07/12/2011	10:55:18	0.035
38	07/12/2011	11:00:18	0.032
39	07/12/2011	11:05:18	0.027
40	07/12/2011	11:10:18	0.026
41	07/12/2011	11:15:18	0.029
42	07/12/2011	11:20:18	0.025
43	07/12/2011	11:25:18	0.028



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	07/12/2011	11:30:18	0.043
45	07/12/2011	11:35:18	0.025
46	07/12/2011	11:40:18	0.026
47	07/12/2011	11:45:18	0.026
48	07/12/2011	11:50:18	0.133
49	07/12/2011	11:55:18	0.045
50	07/12/2011	12:00:18	0.031
51	07/12/2011	12:05:18	0.024
52	07/12/2011	12:10:18	0.022
53	07/12/2011	12:15:18	0.048
54	07/12/2011	12:20:18	0.021
55	07/12/2011	12:25:18	0.023
56	07/12/2011	12:30:18	0.020
57	07/12/2011	12:35:18	0.058
58	07/12/2011	12:40:18	0.016
59	07/12/2011	12:45:18	0.016
60	07/12/2011	12:50:18	0.027
61	07/12/2011	12:55:18	0.018
62	07/12/2011	13:00:18	0.027
63	07/12/2011	13:05:18	0.070
64	07/12/2011	13:10:18	0.031
65	07/12/2011	13:15:18	0.373
66	07/12/2011	13:20:18	0.045
67	07/12/2011	13:25:18	0.015
68	07/12/2011	13:30:18	0.015
69	07/12/2011	13:35:18	0.033
70	07/12/2011	13:40:18	0.087
71	07/12/2011	13:45:18	0.025
72	07/12/2011	13:50:18	0.115
73	07/12/2011	13:55:18	0.043
74	07/12/2011	14:00:18	0.018
75	07/12/2011	14:05:18	0.029
76	07/12/2011	14:10:18	0.098
77	07/12/2011	14:15:18	0.031
78	07/12/2011	14:20:18	0.051
79	07/12/2011	14:25:18	0.052
80	07/12/2011	14:30:18	0.014
81	07/12/2011	14:35:18	0.120
82	07/12/2011	14:40:18	0.031
83	07/12/2011	14:45:18	0.026
84	07/12/2011	14:50:18	0.019
85	07/12/2011	14:55:18	0.016
86	07/12/2011	15:00:18	0.056
87	07/12/2011	15:05:18	0.024
88	07/12/2011	15:10:18	0.019
89	07/12/2011	15:15:18	0.014
90	07/12/2011	15:20:18	0.039
91	07/12/2011	15:25:18	0.017
92	07/12/2011	15:30:18	0.037
93	07/12/2011	15:35:18	0.016
94	07/12/2011	15:40:18	0.082
95	07/12/2011	15:45:18	0.015
96	07/12/2011	15:50:18	0.019
97	07/12/2011	15:55:18	0.034
98	07/12/2011	16:00:18	0.018

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
99	07/12/2011	16:05:18	0.072
100	07/12/2011	16:10:18	0.055
101	07/12/2011	16:15:18	0.015
102	07/12/2011	16:20:18	0.021
103	07/12/2011	16:25:18	0.046

# Test 007

Instrument		Data Properties	
Model	Dust Trak	Start Date	07/13/2011
Meter S/N	85201091	Start Time	08:18:13
		Stop Date	07/13/2011
		Stop Time	13:43:13
		Total Time	0:05:25:00
		Logging Interval	60 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	07/13/2011	08:19:13	0.192
2	07/13/2011	08:20:13	0.026
3	07/13/2011	08:21:13	0.025
4	07/13/2011	08:22:13	0.025
5	07/13/2011	08:23:13	0.028
6	07/13/2011	08:24:13	0.026
7	07/13/2011	08:25:13	0.027
8	07/13/2011	08:26:13	0.024
9	07/13/2011	08:27:13	0.025
10	07/13/2011	08:28:13	0.025
11	07/13/2011	08:29:13	0.028
12	07/13/2011	08:30:13	0.026
13	07/13/2011	08:31:13	0.025
14	07/13/2011	08:32:13	0.024
15	07/13/2011	08:33:13	0.025
16	07/13/2011	08:34:13	0.024
17	07/13/2011	08:35:13	0.024
18	07/13/2011	08:36:13	0.024
19	07/13/2011	08:37:13	0.024
20	07/13/2011	08:38:13	0.025
21	07/13/2011	08:39:13	0.023
22	07/13/2011	08:40:13	0.024
23	07/13/2011	08:41:13	0.023
24	07/13/2011	08:42:13	0.025
25	07/13/2011	08:43:13	0.023
26	07/13/2011	08:44:13	0.024
27	07/13/2011	08:45:13	0.023
28	07/13/2011	08:46:13	0.025
29	07/13/2011	08:47:13	0.024
30	07/13/2011	08:48:13	0.024
31	07/13/2011	08:49:13	0.024
32	07/13/2011	08:50:13	0.024
33	07/13/2011	08:51:13	0.023
34	07/13/2011	08:52:13	0.023
35	07/13/2011	08:53:13	0.025
36	07/13/2011	08:54:13	0.025
37	07/13/2011	08:55:13	0.024
38	07/13/2011	08:56:13	0.023
39	07/13/2011	08:57:13	0.025
40	07/13/2011	08:58:13	0.025
41	07/13/2011	08:59:13	0.026
42	07/13/2011	09:00:13	0.025
43	07/13/2011	09:01:13	0.024

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	07/13/2011	09:02:13	0.024
45	07/13/2011	09:03:13	0.024
46	07/13/2011	09:04:13	0.024
47	07/13/2011	09:05:13	0.027
48	07/13/2011	09:06:13	0.027
49	07/13/2011	09:07:13	0.026
50	07/13/2011	09:08:13	0.026
51	07/13/2011	09:09:13	0.026
52	07/13/2011	09:10:13	0.025
53	07/13/2011	09:11:13	0.026
54	07/13/2011	09:12:13	0.024
55	07/13/2011	09:13:13	0.024
56	07/13/2011	09:14:13	0.024
57	07/13/2011	09:15:13	0.025
58	07/13/2011	09:16:13	0.024
59	07/13/2011	09:17:13	0.024
60	07/13/2011	09:18:13	0.025
61	07/13/2011	09:19:13	0.024
62	07/13/2011	09:20:13	0.025
63	07/13/2011	09:21:13	0.026
64	07/13/2011	09:22:13	0.025
65	07/13/2011	09:23:13	0.025
66	07/13/2011	09:24:13	0.025
67	07/13/2011	09:25:13	0.025
68	07/13/2011	09:26:13	0.025
69	07/13/2011	09:27:13	0.025
70	07/13/2011	09:28:13	0.025
71	07/13/2011	09:29:13	0.025
72	07/13/2011	09:30:13	0.024
73	07/13/2011	09:31:13	0.025
74	07/13/2011	09:32:13	0.024
75	07/13/2011	09:33:13	0.027
76	07/13/2011	09:34:13	0.024
77	07/13/2011	09:35:13	0.026
78	07/13/2011	09:36:13	0.025
79	07/13/2011	09:37:13	0.025
80	07/13/2011	09:38:13	0.024
81	07/13/2011	09:39:13	0.026
82	07/13/2011	09:40:13	0.025
83	07/13/2011	09:41:13	0.026
84	07/13/2011	09:42:13	0.025
85	07/13/2011	09:43:13	0.024
86	07/13/2011	09:44:13	0.024
87	07/13/2011	09:45:13	0.027
88	07/13/2011	09:46:13	0.024
89	07/13/2011	09:47:13	0.024
90	07/13/2011	09:48:13	0.024
91	07/13/2011	09:49:13	0.025
92	07/13/2011	09:50:13	0.026
93	07/13/2011	09:51:13	0.024
94	07/13/2011	09:52:13	0.025
95	07/13/2011	09:53:13	0.026
96	07/13/2011	09:54:13	0.025
97	07/13/2011	09:55:13	0.025
98	07/13/2011	09:56:13	0.025

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
99	07/13/2011	09:57:13	0.025
100	07/13/2011	09:58:13	0.025
101	07/13/2011	09:59:13	0.024
102	07/13/2011	10:00:13	0.025
103	07/13/2011	10:01:13	0.025
104	07/13/2011	10:02:13	0.024
105	07/13/2011	10:03:13	0.023
106	07/13/2011	10:04:13	0.024
107	07/13/2011	10:05:13	0.024
108	07/13/2011	10:06:13	0.024
109	07/13/2011	10:07:13	0.026
110	07/13/2011	10:08:13	0.024
111	07/13/2011	10:09:13	0.025
112	07/13/2011	10:10:13	0.024
113	07/13/2011	10:11:13	0.031
114	07/13/2011	10:12:13	0.025
115	07/13/2011	10:13:13	0.024
116	07/13/2011	10:14:13	0.024
117	07/13/2011	10:15:13	0.024
118	07/13/2011	10:16:13	0.025
119	07/13/2011	10:17:13	0.024
120	07/13/2011	10:18:13	0.025
121	07/13/2011	10:19:13	0.025
122	07/13/2011	10:20:13	0.024
123	07/13/2011	10:21:13	0.026
124	07/13/2011	10:22:13	0.025
125	07/13/2011	10:23:13	0.025
126	07/13/2011	10:24:13	0.024
127	07/13/2011	10:25:13	0.024
128	07/13/2011	10:26:13	0.024
129	07/13/2011	10:27:13	0.025
130	07/13/2011	10:28:13	0.024
131	07/13/2011	10:29:13	0.024
132	07/13/2011	10:30:13	0.024
133	07/13/2011	10:31:13	0.025
134	07/13/2011	10:32:13	0.025
135	07/13/2011	10:33:13	0.025
136	07/13/2011	10:34:13	0.025
137	07/13/2011	10:35:13	0.025
138	07/13/2011	10:36:13	0.025
139	07/13/2011	10:37:13	0.024
140	07/13/2011	10:38:13	0.025
141	07/13/2011	10:39:13	0.024
142	07/13/2011	10:40:13	0.024
143	07/13/2011	10:41:13	0.026
144	07/13/2011	10:42:13	0.024
145	07/13/2011	10:43:13	0.025
146	07/13/2011	10:44:13	0.024
147	07/13/2011	10:45:13	0.024
148	07/13/2011	10:46:13	0.023
149	07/13/2011	10:47:13	0.023
150	07/13/2011	10:48:13	0.024
151	07/13/2011	10:49:13	0.024
152	07/13/2011	10:50:13	0.025
153	07/13/2011	10:51:13	0.024

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
154	07/13/2011	10:52:13	0.025
155	07/13/2011	10:53:13	0.025
156	07/13/2011	10:54:13	0.025
157	07/13/2011	10:55:13	0.024
158	07/13/2011	10:56:13	0.024
159	07/13/2011	10:57:13	0.024
160	07/13/2011	10:58:13	0.023
161	07/13/2011	10:59:13	0.024
162	07/13/2011	11:00:13	0.025
163	07/13/2011	11:01:13	0.025
164	07/13/2011	11:02:13	0.026
165	07/13/2011	11:03:13	0.025
166	07/13/2011	11:04:13	0.025
167	07/13/2011	11:05:13	0.025
168	07/13/2011	11:06:13	0.024
169	07/13/2011	11:07:13	0.024
170	07/13/2011	11:08:13	0.026
171	07/13/2011	11:09:13	0.024
172	07/13/2011	11:10:13	0.025
173	07/13/2011	11:11:13	0.024
174	07/13/2011	11:12:13	0.024
175	07/13/2011	11:13:13	0.026
176	07/13/2011	11:14:13	0.029
177	07/13/2011	11:15:13	0.024
178	07/13/2011	11:16:13	0.026
179	07/13/2011	11:17:13	0.023
180	07/13/2011	11:18:13	0.024
181	07/13/2011	11:19:13	0.024
182	07/13/2011	11:20:13	0.025
183	07/13/2011	11:21:13	0.025
184	07/13/2011	11:22:13	0.025
185	07/13/2011	11:23:13	0.025
186	07/13/2011	11:24:13	0.026
187	07/13/2011	11:25:13	0.026
188	07/13/2011	11:26:13	0.025
189	07/13/2011	11:27:13	0.025
190	07/13/2011	11:28:13	0.025
191	07/13/2011	11:29:13	0.024
192	07/13/2011	11:30:13	0.024
193	07/13/2011	11:31:13	0.024
194	07/13/2011	11:32:13	0.025
195	07/13/2011	11:33:13	0.025
196	07/13/2011	11:34:13	0.026
197	07/13/2011	11:35:13	0.023
198	07/13/2011	11:36:13	0.024
199	07/13/2011	11:37:13	0.024
200	07/13/2011	11:38:13	0.025
201	07/13/2011	11:39:13	0.030
202	07/13/2011	11:40:13	0.024
203	07/13/2011	11:41:13	0.024
204	07/13/2011	11:42:13	0.024
205	07/13/2011	11:43:13	0.023
206	07/13/2011	11:44:13	0.022
207	07/13/2011	11:45:13	0.023
208	07/13/2011	11:46:13	0.024

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
209	07/13/2011	11:47:13	0.024
210	07/13/2011	11:48:13	0.024
211	07/13/2011	11:49:13	0.024
212	07/13/2011	11:50:13	0.024
213	07/13/2011	11:51:13	0.031
214	07/13/2011	11:52:13	0.024
215	07/13/2011	11:53:13	0.023
216	07/13/2011	11:54:13	0.023
217	07/13/2011	11:55:13	0.022
218	07/13/2011	11:56:13	0.024
219	07/13/2011	11:57:13	0.023
220	07/13/2011	11:58:13	0.023
221	07/13/2011	11:59:13	0.024
222	07/13/2011	12:00:13	0.023
223	07/13/2011	12:01:13	0.023
224	07/13/2011	12:02:13	0.022
225	07/13/2011	12:03:13	0.025
226	07/13/2011	12:04:13	0.027
227	07/13/2011	12:05:13	0.024
228	07/13/2011	12:06:13	0.023
229	07/13/2011	12:07:13	0.023
230	07/13/2011	12:08:13	0.022
231	07/13/2011	12:09:13	0.022
232	07/13/2011	12:10:13	0.022
233	07/13/2011	12:11:13	0.023
234	07/13/2011	12:12:13	0.025
235	07/13/2011	12:13:13	0.023
236	07/13/2011	12:14:13	0.023
237	07/13/2011	12:15:13	0.022
238	07/13/2011	12:16:13	0.021
239	07/13/2011	12:17:13	0.023
240	07/13/2011	12:18:13	0.023
241	07/13/2011	12:19:13	0.022
242	07/13/2011	12:20:13	0.022
243	07/13/2011	12:21:13	0.022
244	07/13/2011	12:22:13	0.022
245	07/13/2011	12:23:13	0.020
246	07/13/2011	12:24:13	0.021
247	07/13/2011	12:25:13	0.022
248	07/13/2011	12:26:13	0.022
249	07/13/2011	12:27:13	0.020
250	07/13/2011	12:28:13	0.021
251	07/13/2011	12:29:13	0.022
252	07/13/2011	12:30:13	0.023
253	07/13/2011	12:31:13	0.022
254	07/13/2011	12:32:13	0.022
255	07/13/2011	12:33:13	0.023
256	07/13/2011	12:34:13	0.021
257	07/13/2011	12:35:13	0.022
258	07/13/2011	12:36:13	0.020
259	07/13/2011	12:37:13	0.020
260	07/13/2011	12:38:13	0.021
261	07/13/2011	12:39:13	0.022
262	07/13/2011	12:40:13	0.020
263	07/13/2011	12:41:13	0.021

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
264	07/13/2011	12:42:13	0.020
265	07/13/2011	12:43:13	0.021
266	07/13/2011	12:44:13	0.020
267	07/13/2011	12:45:13	0.020
268	07/13/2011	12:46:13	0.021
269	07/13/2011	12:47:13	0.020
270	07/13/2011	12:48:13	0.020
271	07/13/2011	12:49:13	0.021
272	07/13/2011	12:50:13	0.019
273	07/13/2011	12:51:13	0.020
274	07/13/2011	12:52:13	0.020
275	07/13/2011	12:53:13	0.019
276	07/13/2011	12:54:13	0.018
277	07/13/2011	12:55:13	0.018
278	07/13/2011	12:56:13	0.017
279	07/13/2011	12:57:13	0.018
280	07/13/2011	12:58:13	0.018
281	07/13/2011	12:59:13	0.018
282	07/13/2011	13:00:13	0.017
283	07/13/2011	13:01:13	0.017
284	07/13/2011	13:02:13	0.018
285	07/13/2011	13:03:13	0.019
286	07/13/2011	13:04:13	0.018
287	07/13/2011	13:05:13	0.018
288	07/13/2011	13:06:13	0.021
289	07/13/2011	13:07:13	0.022
290	07/13/2011	13:08:13	0.019
291	07/13/2011	13:09:13	0.017
292	07/13/2011	13:10:13	0.017
293	07/13/2011	13:11:13	0.017
294	07/13/2011	13:12:13	0.016
295	07/13/2011	13:13:13	0.016
296	07/13/2011	13:14:13	0.026
297	07/13/2011	13:15:13	0.017
298	07/13/2011	13:16:13	0.016
299	07/13/2011	13:17:13	0.015
300	07/13/2011	13:18:13	0.016
301	07/13/2011	13:19:13	0.015
302	07/13/2011	13:20:13	0.037
303	07/13/2011	13:21:13	0.016
304	07/13/2011	13:22:13	0.027
305	07/13/2011	13:23:13	0.018
306	07/13/2011	13:24:13	0.016
307	07/13/2011	13:25:13	0.015
308	07/13/2011	13:26:13	0.015
309	07/13/2011	13:27:13	0.018
310	07/13/2011	13:28:13	0.016
311	07/13/2011	13:29:13	0.017
312	07/13/2011	13:30:13	0.020
313	07/13/2011	13:31:13	0.017
314	07/13/2011	13:32:13	0.018
315	07/13/2011	13:33:13	0.016
316	07/13/2011	13:34:13	0.016
317	07/13/2011	13:35:13	0.015
318	07/13/2011	13:36:13	0.015



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
319	07/13/2011	13:37:13	0.015
320	07/13/2011	13:38:13	0.027
321	07/13/2011	13:39:13	0.019
322	07/13/2011	13:40:13	0.017
323	07/13/2011	13:41:13	0.016
324	07/13/2011	13:42:13	0.016
325	07/13/2011	13:43:13	0.019

# Test 007

Instrument		Data Properties	
Model	Dust Trak	Start Date	07/13/2011
Meter S/N	85201065	Start Time	08:16:21
		Stop Date	07/13/2011
		Stop Time	16:46:21
		Total Time	0:08:30:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	07/13/2011	08:21:21	0.026
2	07/13/2011	08:26:21	0.030
3	07/13/2011	08:31:21	0.032
4	07/13/2011	08:36:21	0.030
5	07/13/2011	08:41:21	0.024
6	07/13/2011	08:46:21	0.023
7	07/13/2011	08:51:21	0.029
8	07/13/2011	08:56:21	0.028
9	07/13/2011	09:01:21	0.026
10	07/13/2011	09:06:21	0.023
11	07/13/2011	09:11:21	0.027
12	07/13/2011	09:16:21	0.023
13	07/13/2011	09:21:21	0.025
14	07/13/2011	09:26:21	0.025
15	07/13/2011	09:31:21	0.024
16	07/13/2011	09:36:21	0.022
17	07/13/2011	09:41:21	0.024
18	07/13/2011	09:46:21	0.023
19	07/13/2011	09:51:21	0.024
20	07/13/2011	09:56:21	0.027
21	07/13/2011	10:01:21	0.023
22	07/13/2011	10:06:21	0.022
23	07/13/2011	10:11:21	0.024
24	07/13/2011	10:16:21	0.021
25	07/13/2011	10:21:21	0.021
26	07/13/2011	10:26:21	0.021
27	07/13/2011	10:31:21	0.022
28	07/13/2011	10:36:21	0.022
29	07/13/2011	10:41:21	0.024
30	07/13/2011	10:46:21	0.021
31	07/13/2011	10:51:21	0.024
32	07/13/2011	10:56:21	0.022
33	07/13/2011	11:01:21	0.022
34	07/13/2011	11:06:21	0.022
35	07/13/2011	11:11:21	0.021
36	07/13/2011	11:16:21	0.030
37	07/13/2011	11:21:21	0.024
38	07/13/2011	11:26:21	0.023
39	07/13/2011	11:31:21	0.024
40	07/13/2011	11:36:21	0.022
41	07/13/2011	11:41:21	0.022
42	07/13/2011	11:46:21	0.021
43	07/13/2011	11:51:21	0.022

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	07/13/2011	11:56:21	0.033
45	07/13/2011	12:01:21	0.020
46	07/13/2011	12:06:21	0.022
47	07/13/2011	12:11:21	0.024
48	07/13/2011	12:16:21	0.030
49	07/13/2011	12:21:21	0.019
50	07/13/2011	12:26:21	0.018
51	07/13/2011	12:31:21	0.042
52	07/13/2011	12:36:21	0.019
53	07/13/2011	12:41:21	0.018
54	07/13/2011	12:46:21	0.018
55	07/13/2011	12:51:21	0.017
56	07/13/2011	12:56:21	0.016
57	07/13/2011	13:01:21	0.020
58	07/13/2011	13:06:21	0.021
59	07/13/2011	13:11:21	0.019
60	07/13/2011	13:16:21	0.054
61	07/13/2011	13:21:21	0.016
62	07/13/2011	13:26:21	0.016
63	07/13/2011	13:31:21	0.017
64	07/13/2011	13:36:21	0.017
65	07/13/2011	13:41:21	0.030
66	07/13/2011	13:46:21	0.020
67	07/13/2011	13:51:21	0.017
68	07/13/2011	13:56:21	0.018
69	07/13/2011	14:01:21	0.018
70	07/13/2011	14:06:21	0.021
71	07/13/2011	14:11:21	0.023
72	07/13/2011	14:16:21	0.016
73	07/13/2011	14:21:21	0.017
74	07/13/2011	14:26:21	0.020
75	07/13/2011	14:31:21	0.063
76	07/13/2011	14:36:21	0.033
77	07/13/2011	14:41:21	0.018
78	07/13/2011	14:46:21	0.060
79	07/13/2011	14:51:21	0.021
80	07/13/2011	14:56:21	0.034
81	07/13/2011	15:01:21	0.029
82	07/13/2011	15:06:21	0.024
83	07/13/2011	15:11:21	0.114
84	07/13/2011	15:16:21	0.201
85	07/13/2011	15:21:21	0.016
86	07/13/2011	15:26:21	0.011
87	07/13/2011	15:31:21	0.009
88	07/13/2011	15:36:21	0.008
89	07/13/2011	15:41:21	0.007
90	07/13/2011	15:46:21	0.007
91	07/13/2011	15:51:21	0.008
92	07/13/2011	15:56:21	0.008
93	07/13/2011	16:01:21	0.008
94	07/13/2011	16:06:21	0.007
95	07/13/2011	16:11:21	0.007
96	07/13/2011	16:16:21	0.008
97	07/13/2011	16:21:21	0.008
98	07/13/2011	16:26:21	0.007

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
99	07/13/2011	16:31:21	0.008
100	07/13/2011	16:36:21	0.008
101	07/13/2011	16:41:21	0.008
102	07/13/2011	16:46:21	0.008

# Test 008

Instrument		Data Properties	
Model	Dust Trak	Start Date	07/14/2011
Meter S/N	85201091	Start Time	08:11:31
		Stop Date	07/14/2011
		Stop Time	16:29:31
		Total Time	0:08:18:00
		Logging Interval	60 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	07/14/2011	08:12:31	0.052
2	07/14/2011	08:13:31	0.012
3	07/14/2011	08:14:31	0.013
4	07/14/2011	08:15:31	0.013
5	07/14/2011	08:16:31	0.014
6	07/14/2011	08:17:31	0.013
7	07/14/2011	08:18:31	0.014
8	07/14/2011	08:19:31	0.012
9	07/14/2011	08:20:31	0.013
10	07/14/2011	08:21:31	0.013
11	07/14/2011	08:22:31	0.012
12	07/14/2011	08:23:31	0.013
13	07/14/2011	08:24:31	0.012
14	07/14/2011	08:25:31	0.012
15	07/14/2011	08:26:31	0.012
16	07/14/2011	08:27:31	0.013
17	07/14/2011	08:28:31	0.011
18	07/14/2011	08:29:31	0.011
19	07/14/2011	08:30:31	0.012
20	07/14/2011	08:31:31	0.010
21	07/14/2011	08:32:31	0.011
22	07/14/2011	08:33:31	0.012
23	07/14/2011	08:34:31	0.012
24	07/14/2011	08:35:31	0.012
25	07/14/2011	08:36:31	0.013
26	07/14/2011	08:37:31	0.011
27	07/14/2011	08:38:31	0.011
28	07/14/2011	08:39:31	0.011
29	07/14/2011	08:40:31	0.012
30	07/14/2011	08:41:31	0.013
31	07/14/2011	08:42:31	0.011
32	07/14/2011	08:43:31	0.012
33	07/14/2011	08:44:31	0.012
34	07/14/2011	08:45:31	0.011
35	07/14/2011	08:46:31	0.012
36	07/14/2011	08:47:31	0.012
37	07/14/2011	08:48:31	0.012
38	07/14/2011	08:49:31	0.010
39	07/14/2011	08:50:31	0.011
40	07/14/2011	08:51:31	0.011
41	07/14/2011	08:52:31	0.011
42	07/14/2011	08:53:31	0.010
43	07/14/2011	08:54:31	0.013

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	07/14/2011	08:55:31	0.011
45	07/14/2011	08:56:31	0.011
46	07/14/2011	08:57:31	0.011
47	07/14/2011	08:58:31	0.013
48	07/14/2011	08:59:31	0.011
49	07/14/2011	09:00:31	0.011
50	07/14/2011	09:01:31	0.012
51	07/14/2011	09:02:31	0.011
52	07/14/2011	09:03:31	0.011
53	07/14/2011	09:04:31	0.011
54	07/14/2011	09:05:31	0.012
55	07/14/2011	09:06:31	0.011
56	07/14/2011	09:07:31	0.011
57	07/14/2011	09:08:31	0.011
58	07/14/2011	09:09:31	0.011
59	07/14/2011	09:10:31	0.011
60	07/14/2011	09:11:31	0.011
61	07/14/2011	09:12:31	0.011
62	07/14/2011	09:13:31	0.011
63	07/14/2011	09:14:31	0.011
64	07/14/2011	09:15:31	0.011
65	07/14/2011	09:16:31	0.014
66	07/14/2011	09:17:31	0.013
67	07/14/2011	09:18:31	0.026
68	07/14/2011	09:19:31	0.086
69	07/14/2011	09:20:31	0.011
70	07/14/2011	09:21:31	0.011
71	07/14/2011	09:22:31	0.013
72	07/14/2011	09:23:31	0.012
73	07/14/2011	09:24:31	0.012
74	07/14/2011	09:25:31	0.012
75	07/14/2011	09:26:31	0.011
76	07/14/2011	09:27:31	0.011
77	07/14/2011	09:28:31	0.013
78	07/14/2011	09:29:31	0.011
79	07/14/2011	09:30:31	0.012
80	07/14/2011	09:31:31	0.012
81	07/14/2011	09:32:31	0.012
82	07/14/2011	09:33:31	0.012
83	07/14/2011	09:34:31	0.013
84	07/14/2011	09:35:31	0.012
85	07/14/2011	09:36:31	0.013
86	07/14/2011	09:37:31	0.012
87	07/14/2011	09:38:31	0.012
88	07/14/2011	09:39:31	0.011
89	07/14/2011	09:40:31	0.013
90	07/14/2011	09:41:31	0.013
91	07/14/2011	09:42:31	0.014
92	07/14/2011	09:43:31	0.012
93	07/14/2011	09:44:31	0.014
94	07/14/2011	09:45:31	0.012
95	07/14/2011	09:46:31	0.012
96	07/14/2011	09:47:31	0.014
97	07/14/2011	09:48:31	0.012
98	07/14/2011	09:49:31	0.013

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
99	07/14/2011	09:50:31	0.012
100	07/14/2011	09:51:31	0.012
101	07/14/2011	09:52:31	0.013
102	07/14/2011	09:53:31	0.012
103	07/14/2011	09:54:31	0.023
104	07/14/2011	09:55:31	0.013
105	07/14/2011	09:56:31	0.013
106	07/14/2011	09:57:31	0.013
107	07/14/2011	09:58:31	0.012
108	07/14/2011	09:59:31	0.012
109	07/14/2011	10:00:31	0.012
110	07/14/2011	10:01:31	0.012
111	07/14/2011	10:02:31	0.013
112	07/14/2011	10:03:31	0.013
113	07/14/2011	10:04:31	0.013
114	07/14/2011	10:05:31	0.014
115	07/14/2011	10:06:31	0.013
116	07/14/2011	10:07:31	0.013
117	07/14/2011	10:08:31	0.014
118	07/14/2011	10:09:31	0.012
119	07/14/2011	10:10:31	0.012
120	07/14/2011	10:11:31	0.015
121	07/14/2011	10:12:31	0.012
122	07/14/2011	10:13:31	0.011
123	07/14/2011	10:14:31	0.012
124	07/14/2011	10:15:31	0.012
125	07/14/2011	10:16:31	0.012
126	07/14/2011	10:17:31	0.013
127	07/14/2011	10:18:31	0.013
128	07/14/2011	10:19:31	0.014
129	07/14/2011	10:20:31	0.013
130	07/14/2011	10:21:31	0.012
131	07/14/2011	10:22:31	0.012
132	07/14/2011	10:23:31	0.011
133	07/14/2011	10:24:31	0.011
134	07/14/2011	10:25:31	0.012
135	07/14/2011	10:26:31	0.012
136	07/14/2011	10:27:31	0.012
137	07/14/2011	10:28:31	0.013
138	07/14/2011	10:29:31	0.012
139	07/14/2011	10:30:31	0.012
140	07/14/2011	10:31:31	0.012
141	07/14/2011	10:32:31	0.012
142	07/14/2011	10:33:31	0.017
143	07/14/2011	10:34:31	0.013
144	07/14/2011	10:35:31	0.013
145	07/14/2011	10:36:31	0.012
146	07/14/2011	10:37:31	0.014
147	07/14/2011	10:38:31	0.012
148	07/14/2011	10:39:31	0.013
149	07/14/2011	10:40:31	0.012
150	07/14/2011	10:41:31	0.013
151	07/14/2011	10:42:31	0.014
152	07/14/2011	10:43:31	0.014
153	07/14/2011	10:44:31	0.013

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
154	07/14/2011	10:45:31	0.013
155	07/14/2011	10:46:31	0.013
156	07/14/2011	10:47:31	0.015
157	07/14/2011	10:48:31	0.013
158	07/14/2011	10:49:31	0.013
159	07/14/2011	10:50:31	0.016
160	07/14/2011	10:51:31	0.017
161	07/14/2011	10:52:31	0.013
162	07/14/2011	10:53:31	0.013
163	07/14/2011	10:54:31	0.013
164	07/14/2011	10:55:31	0.013
165	07/14/2011	10:56:31	0.014
166	07/14/2011	10:57:31	0.012
167	07/14/2011	10:58:31	0.012
168	07/14/2011	10:59:31	0.012
169	07/14/2011	11:00:31	0.012
170	07/14/2011	11:01:31	0.012
171	07/14/2011	11:02:31	0.012
172	07/14/2011	11:03:31	0.012
173	07/14/2011	11:04:31	0.012
174	07/14/2011	11:05:31	0.012
175	07/14/2011	11:06:31	0.012
176	07/14/2011	11:07:31	0.011
177	07/14/2011	11:08:31	0.011
178	07/14/2011	11:09:31	0.012
179	07/14/2011	11:10:31	0.011
180	07/14/2011	11:11:31	0.011
181	07/14/2011	11:12:31	0.013
182	07/14/2011	11:13:31	0.012
183	07/14/2011	11:14:31	0.012
184	07/14/2011	11:15:31	0.013
185	07/14/2011	11:16:31	0.012
186	07/14/2011	11:17:31	0.011
187	07/14/2011	11:18:31	0.012
188	07/14/2011	11:19:31	0.012
189	07/14/2011	11:20:31	0.013
190	07/14/2011	11:21:31	0.015
191	07/14/2011	11:22:31	0.011
192	07/14/2011	11:23:31	0.011
193	07/14/2011	11:24:31	0.012
194	07/14/2011	11:25:31	0.012
195	07/14/2011	11:26:31	0.011
196	07/14/2011	11:27:31	0.011
197	07/14/2011	11:28:31	0.011
198	07/14/2011	11:29:31	0.012
199	07/14/2011	11:30:31	0.012
200	07/14/2011	11:31:31	0.012
201	07/14/2011	11:32:31	0.012
202	07/14/2011	11:33:31	0.012
203	07/14/2011	11:34:31	0.012
204	07/14/2011	11:35:31	0.015
205	07/14/2011	11:36:31	0.014
206	07/14/2011	11:37:31	0.012
207	07/14/2011	11:38:31	0.013
208	07/14/2011	11:39:31	0.011



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
209	07/14/2011	11:40:31	0.013
210	07/14/2011	11:41:31	0.012
211	07/14/2011	11:42:31	0.013
212	07/14/2011	11:43:31	0.012
213	07/14/2011	11:44:31	0.012
214	07/14/2011	11:45:31	0.013
215	07/14/2011	11:46:31	0.012
216	07/14/2011	11:47:31	0.011
217	07/14/2011	11:48:31	0.011
218	07/14/2011	11:49:31	0.011
219	07/14/2011	11:50:31	0.011
220	07/14/2011	11:51:31	0.011
221	07/14/2011	11:52:31	0.012
222	07/14/2011	11:53:31	0.013
223	07/14/2011	11:54:31	0.012
224	07/14/2011	11:55:31	0.012
225	07/14/2011	11:56:31	0.013
226	07/14/2011	11:57:31	0.011
227	07/14/2011	11:58:31	0.013
228	07/14/2011	11:59:31	0.013
229	07/14/2011	12:00:31	0.012
230	07/14/2011	12:01:31	0.012
231	07/14/2011	12:02:31	0.013
232	07/14/2011	12:03:31	0.012
233	07/14/2011	12:04:31	0.012
234	07/14/2011	12:05:31	0.012
235	07/14/2011	12:06:31	0.012
236	07/14/2011	12:07:31	0.013
237	07/14/2011	12:08:31	0.012
238	07/14/2011	12:09:31	0.012
239	07/14/2011	12:10:31	0.012
240	07/14/2011	12:11:31	0.012
241	07/14/2011	12:12:31	0.012
242	07/14/2011	12:13:31	0.012
243	07/14/2011	12:14:31	0.013
244	07/14/2011	12:15:31	0.013
245	07/14/2011	12:16:31	0.013
246	07/14/2011	12:17:31	0.014
247	07/14/2011	12:18:31	0.013
248	07/14/2011	12:19:31	0.013
249	07/14/2011	12:20:31	0.013
250	07/14/2011	12:21:31	0.013
251	07/14/2011	12:22:31	0.013
252	07/14/2011	12:23:31	0.019
253	07/14/2011	12:24:31	0.015
254	07/14/2011	12:25:31	0.014
255	07/14/2011	12:26:31	0.014
256	07/14/2011	12:27:31	0.014
257	07/14/2011	12:28:31	0.015
258	07/14/2011	12:29:31	0.014
259	07/14/2011	12:30:31	0.013
260	07/14/2011	12:31:31	0.015
261	07/14/2011	12:32:31	0.014
262	07/14/2011	12:33:31	0.015
263	07/14/2011	12:34:31	0.014

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
264	07/14/2011	12:35:31	0.013
265	07/14/2011	12:36:31	0.012
266	07/14/2011	12:37:31	0.013
267	07/14/2011	12:38:31	0.013
268	07/14/2011	12:39:31	0.013
269	07/14/2011	12:40:31	0.013
270	07/14/2011	12:41:31	0.013
271	07/14/2011	12:42:31	0.013
272	07/14/2011	12:43:31	0.020
273	07/14/2011	12:44:31	0.014
274	07/14/2011	12:45:31	0.013
275	07/14/2011	12:46:31	0.014
276	07/14/2011	12:47:31	0.012
277	07/14/2011	12:48:31	0.013
278	07/14/2011	12:49:31	0.012
279	07/14/2011	12:50:31	0.016
280	07/14/2011	12:51:31	0.013
281	07/14/2011	12:52:31	0.016
282	07/14/2011	12:53:31	0.016
283	07/14/2011	12:54:31	0.013
284	07/14/2011	12:55:31	0.012
285	07/14/2011	12:56:31	0.014
286	07/14/2011	12:57:31	0.013
287	07/14/2011	12:58:31	0.013
288	07/14/2011	12:59:31	0.016
289	07/14/2011	13:00:31	0.014
290	07/14/2011	13:01:31	0.014
291	07/14/2011	13:02:31	0.013
292	07/14/2011	13:03:31	0.012
293	07/14/2011	13:04:31	0.012
294	07/14/2011	13:05:31	0.012
295	07/14/2011	13:06:31	0.013
296	07/14/2011	13:07:31	0.012
297	07/14/2011	13:08:31	0.013
298	07/14/2011	13:09:31	0.012
299	07/14/2011	13:10:31	0.012
300	07/14/2011	13:11:31	0.012
301	07/14/2011	13:12:31	0.012
302	07/14/2011	13:13:31	0.011
303	07/14/2011	13:14:31	0.012
304	07/14/2011	13:15:31	0.012
305	07/14/2011	13:16:31	0.012
306	07/14/2011	13:17:31	0.012
307	07/14/2011	13:18:31	0.014
308	07/14/2011	13:19:31	0.016
309	07/14/2011	13:20:31	0.012
310	07/14/2011	13:21:31	0.013
311	07/14/2011	13:22:31	0.011
312	07/14/2011	13:23:31	0.012
313	07/14/2011	13:24:31	0.011
314	07/14/2011	13:25:31	0.012
315	07/14/2011	13:26:31	0.011
316	07/14/2011	13:27:31	0.012
317	07/14/2011	13:28:31	0.012
318	07/14/2011	13:29:31	0.012

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
319	07/14/2011	13:30:31	0.012
320	07/14/2011	13:31:31	0.011
321	07/14/2011	13:32:31	0.011
322	07/14/2011	13:33:31	0.012
323	07/14/2011	13:34:31	0.013
324	07/14/2011	13:35:31	0.014
325	07/14/2011	13:36:31	0.014
326	07/14/2011	13:37:31	0.015
327	07/14/2011	13:38:31	0.014
328	07/14/2011	13:39:31	0.012
329	07/14/2011	13:40:31	0.012
330	07/14/2011	13:41:31	0.011
331	07/14/2011	13:42:31	0.011
332	07/14/2011	13:43:31	0.012
333	07/14/2011	13:44:31	0.012
334	07/14/2011	13:45:31	0.013
335	07/14/2011	13:46:31	0.012
336	07/14/2011	13:47:31	0.012
337	07/14/2011	13:48:31	0.011
338	07/14/2011	13:49:31	0.011
339	07/14/2011	13:50:31	0.011
340	07/14/2011	13:51:31	0.012
341	07/14/2011	13:52:31	0.013
342	07/14/2011	13:53:31	0.011
343	07/14/2011	13:54:31	0.011
344	07/14/2011	13:55:31	0.011
345	07/14/2011	13:56:31	0.012
346	07/14/2011	13:57:31	0.011
347	07/14/2011	13:58:31	0.012
348	07/14/2011	13:59:31	0.011
349	07/14/2011	14:00:31	0.011
350	07/14/2011	14:01:31	0.011
351	07/14/2011	14:02:31	0.011
352	07/14/2011	14:03:31	0.012
353	07/14/2011	14:04:31	0.011
354	07/14/2011	14:05:31	0.011
355	07/14/2011	14:06:31	0.011
356	07/14/2011	14:07:31	0.012
357	07/14/2011	14:08:31	0.011
358	07/14/2011	14:09:31	0.011
359	07/14/2011	14:10:31	0.011
360	07/14/2011	14:11:31	0.012
361	07/14/2011	14:12:31	0.012
362	07/14/2011	14:13:31	0.012
363	07/14/2011	14:14:31	0.011
364	07/14/2011	14:15:31	0.013
365	07/14/2011	14:16:31	0.019
366	07/14/2011	14:17:31	0.014
367	07/14/2011	14:18:31	0.013
368	07/14/2011	14:19:31	0.012
369	07/14/2011	14:20:31	0.011
370	07/14/2011	14:21:31	0.012
371	07/14/2011	14:22:31	0.012
372	07/14/2011	14:23:31	0.012
373	07/14/2011	14:24:31	0.012

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
374	07/14/2011	14:25:31	0.012
375	07/14/2011	14:26:31	0.013
376	07/14/2011	14:27:31	0.013
377	07/14/2011	14:28:31	0.012
378	07/14/2011	14:29:31	0.012
379	07/14/2011	14:30:31	0.012
380	07/14/2011	14:31:31	0.012
381	07/14/2011	14:32:31	0.012
382	07/14/2011	14:33:31	0.011
383	07/14/2011	14:34:31	0.011
384	07/14/2011	14:35:31	0.011
385	07/14/2011	14:36:31	0.011
386	07/14/2011	14:37:31	0.011
387	07/14/2011	14:38:31	0.011
388	07/14/2011	14:39:31	0.012
389	07/14/2011	14:40:31	0.011
390	07/14/2011	14:41:31	0.012
391	07/14/2011	14:42:31	0.012
392	07/14/2011	14:43:31	0.012
393	07/14/2011	14:44:31	0.011
394	07/14/2011	14:45:31	0.012
395	07/14/2011	14:46:31	0.015
396	07/14/2011	14:47:31	0.011
397	07/14/2011	14:48:31	0.012
398	07/14/2011	14:49:31	0.012
399	07/14/2011	14:50:31	0.012
400	07/14/2011	14:51:31	0.017
401	07/14/2011	14:52:31	0.013
402	07/14/2011	14:53:31	0.013
403	07/14/2011	14:54:31	0.013
404	07/14/2011	14:55:31	0.012
405	07/14/2011	14:56:31	0.011
406	07/14/2011	14:57:31	0.012
407	07/14/2011	14:58:31	0.014
408	07/14/2011	14:59:31	0.013
409	07/14/2011	15:00:31	0.012
410	07/14/2011	15:01:31	0.013
411	07/14/2011	15:02:31	0.012
412	07/14/2011	15:03:31	0.012
413	07/14/2011	15:04:31	0.014
414	07/14/2011	15:05:31	0.012
415	07/14/2011	15:06:31	0.013
416	07/14/2011	15:07:31	0.012
417	07/14/2011	15:08:31	0.013
418	07/14/2011	15:09:31	0.012
419	07/14/2011	15:10:31	0.013
420	07/14/2011	15:11:31	0.012
421	07/14/2011	15:12:31	0.012
422	07/14/2011	15:13:31	0.012
423	07/14/2011	15:14:31	0.012
424	07/14/2011	15:15:31	0.014
425	07/14/2011	15:16:31	0.012
426	07/14/2011	15:17:31	0.012
427	07/14/2011	15:18:31	0.013
428	07/14/2011	15:19:31	0.020

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
429	07/14/2011	15:20:31	0.012
430	07/14/2011	15:21:31	0.012
431	07/14/2011	15:22:31	0.013
432	07/14/2011	15:23:31	0.013
433	07/14/2011	15:24:31	0.012
434	07/14/2011	15:25:31	0.015
435	07/14/2011	15:26:31	0.015
436	07/14/2011	15:27:31	0.018
437	07/14/2011	15:28:31	0.013
438	07/14/2011	15:29:31	0.014
439	07/14/2011	15:30:31	0.013
440	07/14/2011	15:31:31	0.012
441	07/14/2011	15:32:31	0.013
442	07/14/2011	15:33:31	0.012
443	07/14/2011	15:34:31	0.012
444	07/14/2011	15:35:31	0.012
445	07/14/2011	15:36:31	0.012
446	07/14/2011	15:37:31	0.012
447	07/14/2011	15:38:31	0.012
448	07/14/2011	15:39:31	0.012
449	07/14/2011	15:40:31	0.012
450	07/14/2011	15:41:31	0.015
451	07/14/2011	15:42:31	0.013
452	07/14/2011	15:43:31	0.011
453	07/14/2011	15:44:31	0.012
454	07/14/2011	15:45:31	0.012
455	07/14/2011	15:46:31	0.012
456	07/14/2011	15:47:31	0.013
457	07/14/2011	15:48:31	0.013
458	07/14/2011	15:49:31	0.013
459	07/14/2011	15:50:31	0.013
460	07/14/2011	15:51:31	0.013
461	07/14/2011	15:52:31	0.014
462	07/14/2011	15:53:31	0.013
463	07/14/2011	15:54:31	0.012
464	07/14/2011	15:55:31	0.012
465	07/14/2011	15:56:31	0.012
466	07/14/2011	15:57:31	0.013
467	07/14/2011	15:58:31	0.013
468	07/14/2011	15:59:31	0.012
469	07/14/2011	16:00:31	0.012
470	07/14/2011	16:01:31	0.012
471	07/14/2011	16:02:31	0.012
472	07/14/2011	16:03:31	0.012
473	07/14/2011	16:04:31	0.012
474	07/14/2011	16:05:31	0.012
475	07/14/2011	16:06:31	0.013
476	07/14/2011	16:07:31	0.013
477	07/14/2011	16:08:31	0.012
478	07/14/2011	16:09:31	0.012
479	07/14/2011	16:10:31	0.013
480	07/14/2011	16:11:31	0.011
481	07/14/2011	16:12:31	0.012
482	07/14/2011	16:13:31	0.014
483	07/14/2011	16:14:31	0.012

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
484	07/14/2011	16:15:31	0.013
485	07/14/2011	16:16:31	0.011
486	07/14/2011	16:17:31	0.020
487	07/14/2011	16:18:31	0.072
488	07/14/2011	16:19:31	0.016
489	07/14/2011	16:20:31	0.014
490	07/14/2011	16:21:31	0.018
491	07/14/2011	16:22:31	0.012
492	07/14/2011	16:23:31	0.011
493	07/14/2011	16:24:31	0.011
494	07/14/2011	16:25:31	0.012
495	07/14/2011	16:26:31	0.012
496	07/14/2011	16:27:31	0.012
497	07/14/2011	16:28:31	0.012
498	07/14/2011	16:29:31	0.028

# Test 008

Instrument		Data Properties	
Model	Dust Trak	Start Date	07/14/2011
Meter S/N	85201065	Start Time	08:10:36
		Stop Date	07/14/2011
		Stop Time	16:25:36
		Total Time	0:08:15:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	07/14/2011	08:15:36	0.010
2	07/14/2011	08:20:36	0.010
3	07/14/2011	08:25:36	0.010
4	07/14/2011	08:30:36	0.009
5	07/14/2011	08:35:36	0.010
6	07/14/2011	08:40:36	0.010
7	07/14/2011	08:45:36	0.010
8	07/14/2011	08:50:36	0.010
9	07/14/2011	08:55:36	0.009
10	07/14/2011	09:00:36	0.009
11	07/14/2011	09:05:36	0.010
12	07/14/2011	09:10:36	0.009
13	07/14/2011	09:15:36	0.010
14	07/14/2011	09:20:36	0.011
15	07/14/2011	09:25:36	0.010
16	07/14/2011	09:30:36	0.011
17	07/14/2011	09:35:36	0.010
18	07/14/2011	09:40:36	0.013
19	07/14/2011	09:45:36	0.011
20	07/14/2011	09:50:36	0.011
21	07/14/2011	09:55:36	0.016
22	07/14/2011	10:00:36	0.011
23	07/14/2011	10:05:36	0.013
24	07/14/2011	10:10:36	0.012
25	07/14/2011	10:15:36	0.012
26	07/14/2011	10:20:36	0.012
27	07/14/2011	10:25:36	0.012
28	07/14/2011	10:30:36	0.032
29	07/14/2011	10:35:36	0.028
30	07/14/2011	10:40:36	0.070
31	07/14/2011	10:45:36	0.025
32	07/14/2011	10:50:36	0.026
33	07/14/2011	10:55:36	0.016
34	07/14/2011	11:00:36	0.026
35	07/14/2011	11:05:36	0.021
36	07/14/2011	11:10:36	0.021
37	07/14/2011	11:15:36	0.027
38	07/14/2011	11:20:36	0.035
39	07/14/2011	11:25:36	0.012
40	07/14/2011	11:30:36	0.010
41	07/14/2011	11:35:36	0.013
42	07/14/2011	11:40:36	0.016
43	07/14/2011	11:45:36	0.019

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	07/14/2011	11:50:36	0.010
45	07/14/2011	11:55:36	0.022
46	07/14/2011	12:00:36	0.009
47	07/14/2011	12:05:36	0.011
48	07/14/2011	12:10:36	0.017
49	07/14/2011	12:15:36	0.012
50	07/14/2011	12:20:36	0.010
51	07/14/2011	12:25:36	0.010
52	07/14/2011	12:30:36	0.010
53	07/14/2011	12:35:36	0.010
54	07/14/2011	12:40:36	0.010
55	07/14/2011	12:45:36	0.010
56	07/14/2011	12:50:36	0.011
57	07/14/2011	12:55:36	0.014
58	07/14/2011	13:00:36	0.011
59	07/14/2011	13:05:36	0.013
60	07/14/2011	13:10:36	0.015
61	07/14/2011	13:15:36	0.010
62	07/14/2011	13:20:36	0.024
63	07/14/2011	13:25:36	0.011
64	07/14/2011	13:30:36	0.014
65	07/14/2011	13:35:36	0.015
66	07/14/2011	13:40:36	0.011
67	07/14/2011	13:45:36	0.022
68	07/14/2011	13:50:36	0.022
69	07/14/2011	13:55:36	0.017
70	07/14/2011	14:00:36	0.019
71	07/14/2011	14:05:36	0.019
72	07/14/2011	14:10:36	0.010
73	07/14/2011	14:15:36	0.037
74	07/14/2011	14:20:36	0.024
75	07/14/2011	14:25:36	0.040
76	07/14/2011	14:30:36	0.031
77	07/14/2011	14:35:36	0.036
78	07/14/2011	14:40:36	0.021
79	07/14/2011	14:45:36	0.029
80	07/14/2011	14:50:36	0.033
81	07/14/2011	14:55:36	0.030
82	07/14/2011	15:00:36	0.021
83	07/14/2011	15:05:36	0.026
84	07/14/2011	15:10:36	0.012
85	07/14/2011	15:15:36	0.009
86	07/14/2011	15:20:36	0.012
87	07/14/2011	15:25:36	0.011
88	07/14/2011	15:30:36	0.010
89	07/14/2011	15:35:36	0.010
90	07/14/2011	15:40:36	0.010
91	07/14/2011	15:45:36	0.013
92	07/14/2011	15:50:36	0.012
93	07/14/2011	15:55:36	0.012
94	07/14/2011	16:00:36	0.010
95	07/14/2011	16:05:36	0.012
96	07/14/2011	16:10:36	0.011
97	07/14/2011	16:15:36	0.010
98	07/14/2011	16:20:36	0.012



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
99	07/14/2011	16:25:36	0.009

# Test 009

Instrument		Data Properties	
Model	Dust Trak	Start Date	07/15/2011
Meter S/N	85201091	Start Time	09:12:30
		Stop Date	07/15/2011
		Stop Time	16:16:30
		Total Time	0:07:04:00
		Logging Interval	60 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	07/15/2011	09:13:30	0.074
2	07/15/2011	09:14:30	0.014
3	07/15/2011	09:15:30	0.017
4	07/15/2011	09:16:30	0.016
5	07/15/2011	09:17:30	0.016
6	07/15/2011	09:18:30	0.018
7	07/15/2011	09:19:30	0.016
8	07/15/2011	09:20:30	0.016
9	07/15/2011	09:21:30	0.014
10	07/15/2011	09:22:30	0.015
11	07/15/2011	09:23:30	0.015
12	07/15/2011	09:24:30	0.016
13	07/15/2011	09:25:30	0.014
14	07/15/2011	09:26:30	0.015
15	07/15/2011	09:27:30	0.017
16	07/15/2011	09:28:30	0.015
17	07/15/2011	09:29:30	0.015
18	07/15/2011	09:30:30	0.016
19	07/15/2011	09:31:30	0.016
20	07/15/2011	09:32:30	0.019
21	07/15/2011	09:33:30	0.022
22	07/15/2011	09:34:30	0.020
23	07/15/2011	09:35:30	0.017
24	07/15/2011	09:36:30	0.020
25	07/15/2011	09:37:30	0.018
26	07/15/2011	09:38:30	0.018
27	07/15/2011	09:39:30	0.015
28	07/15/2011	09:40:30	0.017
29	07/15/2011	09:41:30	0.021
30	07/15/2011	09:42:30	0.016
31	07/15/2011	09:43:30	0.017
32	07/15/2011	09:44:30	0.015
33	07/15/2011	09:45:30	0.019
34	07/15/2011	09:46:30	0.023
35	07/15/2011	09:47:30	0.019
36	07/15/2011	09:48:30	0.022
37	07/15/2011	09:49:30	0.025
38	07/15/2011	09:50:30	0.023
39	07/15/2011	09:51:30	0.029
40	07/15/2011	09:52:30	0.016
41	07/15/2011	09:53:30	0.015
42	07/15/2011	09:54:30	0.015
43	07/15/2011	09:55:30	0.018

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	07/15/2011	09:56:30	0.018
45	07/15/2011	09:57:30	0.021
46	07/15/2011	09:58:30	0.014
47	07/15/2011	09:59:30	0.037
48	07/15/2011	10:00:30	0.024
49	07/15/2011	10:01:30	0.015
50	07/15/2011	10:02:30	0.016
51	07/15/2011	10:03:30	0.015
52	07/15/2011	10:04:30	0.014
53	07/15/2011	10:05:30	0.016
54	07/15/2011	10:06:30	0.014
55	07/15/2011	10:07:30	0.014
56	07/15/2011	10:08:30	0.014
57	07/15/2011	10:09:30	0.015
58	07/15/2011	10:10:30	0.022
59	07/15/2011	10:11:30	0.016
60	07/15/2011	10:12:30	0.015
61	07/15/2011	10:13:30	0.015
62	07/15/2011	10:14:30	0.015
63	07/15/2011	10:15:30	0.015
64	07/15/2011	10:16:30	0.016
65	07/15/2011	10:17:30	0.014
66	07/15/2011	10:18:30	0.014
67	07/15/2011	10:19:30	0.016
68	07/15/2011	10:20:30	0.015
69	07/15/2011	10:21:30	0.017
70	07/15/2011	10:22:30	0.021
71	07/15/2011	10:23:30	0.016
72	07/15/2011	10:24:30	0.015
73	07/15/2011	10:25:30	0.016
74	07/15/2011	10:26:30	0.017
75	07/15/2011	10:27:30	0.014
76	07/15/2011	10:28:30	0.012
77	07/15/2011	10:29:30	0.016
78	07/15/2011	10:30:30	0.016
79	07/15/2011	10:31:30	0.018
80	07/15/2011	10:32:30	0.013
81	07/15/2011	10:33:30	0.014
82	07/15/2011	10:34:30	0.014
83	07/15/2011	10:35:30	0.024
84	07/15/2011	10:36:30	0.020
85	07/15/2011	10:37:30	0.018
86	07/15/2011	10:38:30	0.015
87	07/15/2011	10:39:30	0.015
88	07/15/2011	10:40:30	0.014
89	07/15/2011	10:41:30	0.016
90	07/15/2011	10:42:30	0.019
91	07/15/2011	10:43:30	0.016
92	07/15/2011	10:44:30	0.019
93	07/15/2011	10:45:30	0.020
94	07/15/2011	10:46:30	0.016
95	07/15/2011	10:47:30	0.016
96	07/15/2011	10:48:30	0.024
97	07/15/2011	10:49:30	0.017
98	07/15/2011	10:50:30	0.015

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
99	07/15/2011	10:51:30	0.016
100	07/15/2011	10:52:30	0.016
101	07/15/2011	10:53:30	0.014
102	07/15/2011	10:54:30	0.018
103	07/15/2011	10:55:30	0.016
104	07/15/2011	10:56:30	0.015
105	07/15/2011	10:57:30	0.015
106	07/15/2011	10:58:30	0.016
107	07/15/2011	10:59:30	0.015
108	07/15/2011	11:00:30	0.014
109	07/15/2011	11:01:30	0.015
110	07/15/2011	11:02:30	0.020
111	07/15/2011	11:03:30	0.036
112	07/15/2011	11:04:30	0.015
113	07/15/2011	11:05:30	0.017
114	07/15/2011	11:06:30	0.017
115	07/15/2011	11:07:30	0.015
116	07/15/2011	11:08:30	0.016
117	07/15/2011	11:09:30	0.015
118	07/15/2011	11:10:30	0.058
119	07/15/2011	11:11:30	0.016
120	07/15/2011	11:12:30	0.016
121	07/15/2011	11:13:30	0.014
122	07/15/2011	11:14:30	0.015
123	07/15/2011	11:15:30	0.016
124	07/15/2011	11:16:30	0.017
125	07/15/2011	11:17:30	0.017
126	07/15/2011	11:18:30	0.018
127	07/15/2011	11:19:30	0.017
128	07/15/2011	11:20:30	0.016
129	07/15/2011	11:21:30	0.017
130	07/15/2011	11:22:30	0.015
131	07/15/2011	11:23:30	0.016
132	07/15/2011	11:24:30	0.018
133	07/15/2011	11:25:30	0.018
134	07/15/2011	11:26:30	0.020
135	07/15/2011	11:27:30	0.017
136	07/15/2011	11:28:30	0.015
137	07/15/2011	11:29:30	0.014
138	07/15/2011	11:30:30	0.014
139	07/15/2011	11:31:30	0.014
140	07/15/2011	11:32:30	0.014
141	07/15/2011	11:33:30	0.014
142	07/15/2011	11:34:30	0.015
143	07/15/2011	11:35:30	0.015
144	07/15/2011	11:36:30	0.019
145	07/15/2011	11:37:30	0.016
146	07/15/2011	11:38:30	0.016
147	07/15/2011	11:39:30	0.017
148	07/15/2011	11:40:30	0.015
149	07/15/2011	11:41:30	0.015
150	07/15/2011	11:42:30	0.015
151	07/15/2011	11:43:30	0.018
152	07/15/2011	11:44:30	0.016
153	07/15/2011	11:45:30	0.016

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
154	07/15/2011	11:46:30	0.015
155	07/15/2011	11:47:30	0.015
156	07/15/2011	11:48:30	0.017
157	07/15/2011	11:49:30	0.015
158	07/15/2011	11:50:30	0.015
159	07/15/2011	11:51:30	0.016
160	07/15/2011	11:52:30	0.017
161	07/15/2011	11:53:30	0.018
162	07/15/2011	11:54:30	0.015
163	07/15/2011	11:55:30	0.015
164	07/15/2011	11:56:30	0.014
165	07/15/2011	11:57:30	0.013
166	07/15/2011	11:58:30	0.013
167	07/15/2011	11:59:30	0.014
168	07/15/2011	12:00:30	0.013
169	07/15/2011	12:01:30	0.013
170	07/15/2011	12:02:30	0.014
171	07/15/2011	12:03:30	0.013
172	07/15/2011	12:04:30	0.013
173	07/15/2011	12:05:30	0.012
174	07/15/2011	12:06:30	0.012
175	07/15/2011	12:07:30	0.013
176	07/15/2011	12:08:30	0.012
177	07/15/2011	12:09:30	0.013
178	07/15/2011	12:10:30	0.012
179	07/15/2011	12:11:30	0.013
180	07/15/2011	12:12:30	0.013
181	07/15/2011	12:13:30	0.014
182	07/15/2011	12:14:30	0.013
183	07/15/2011	12:15:30	0.013
184	07/15/2011	12:16:30	0.012
185	07/15/2011	12:17:30	0.012
186	07/15/2011	12:18:30	0.014
187	07/15/2011	12:19:30	0.014
188	07/15/2011	12:20:30	0.012
189	07/15/2011	12:21:30	0.012
190	07/15/2011	12:22:30	0.011
191	07/15/2011	12:23:30	0.013
192	07/15/2011	12:24:30	0.012
193	07/15/2011	12:25:30	0.013
194	07/15/2011	12:26:30	0.014
195	07/15/2011	12:27:30	0.014
196	07/15/2011	12:28:30	0.013
197	07/15/2011	12:29:30	0.013
198	07/15/2011	12:30:30	0.014
199	07/15/2011	12:31:30	0.014
200	07/15/2011	12:32:30	0.015
201	07/15/2011	12:33:30	0.015
202	07/15/2011	12:34:30	0.023
203	07/15/2011	12:35:30	0.027
204	07/15/2011	12:36:30	0.021
205	07/15/2011	12:37:30	0.023
206	07/15/2011	12:38:30	0.021
207	07/15/2011	12:39:30	0.019
208	07/15/2011	12:40:30	0.017

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
209	07/15/2011	12:41:30	0.017
210	07/15/2011	12:42:30	0.020
211	07/15/2011	12:43:30	0.016
212	07/15/2011	12:44:30	0.020
213	07/15/2011	12:45:30	0.015
214	07/15/2011	12:46:30	0.015
215	07/15/2011	12:47:30	0.019
216	07/15/2011	12:48:30	0.017
217	07/15/2011	12:49:30	0.023
218	07/15/2011	12:50:30	0.034
219	07/15/2011	12:51:30	0.021
220	07/15/2011	12:52:30	0.017
221	07/15/2011	12:53:30	0.021
222	07/15/2011	12:54:30	0.018
223	07/15/2011	12:55:30	0.018
224	07/15/2011	12:56:30	0.018
225	07/15/2011	12:57:30	0.020
226	07/15/2011	12:58:30	0.046
227	07/15/2011	12:59:30	0.018
228	07/15/2011	13:00:30	0.015
229	07/15/2011	13:01:30	0.015
230	07/15/2011	13:02:30	0.017
231	07/15/2011	13:03:30	0.022
232	07/15/2011	13:04:30	0.017
233	07/15/2011	13:05:30	0.015
234	07/15/2011	13:06:30	0.015
235	07/15/2011	13:07:30	0.023
236	07/15/2011	13:08:30	0.070
237	07/15/2011	13:09:30	0.020
238	07/15/2011	13:10:30	0.063
239	07/15/2011	13:11:30	0.020
240	07/15/2011	13:12:30	0.017
241	07/15/2011	13:13:30	0.022
242	07/15/2011	13:14:30	0.023
243	07/15/2011	13:15:30	0.014
244	07/15/2011	13:16:30	0.015
245	07/15/2011	13:17:30	0.024
246	07/15/2011	13:18:30	0.018
247	07/15/2011	13:19:30	0.016
248	07/15/2011	13:20:30	0.018
249	07/15/2011	13:21:30	0.018
250	07/15/2011	13:22:30	0.020
251	07/15/2011	13:23:30	0.017
252	07/15/2011	13:24:30	0.017
253	07/15/2011	13:25:30	0.032
254	07/15/2011	13:26:30	0.016
255	07/15/2011	13:27:30	0.015
256	07/15/2011	13:28:30	0.017
257	07/15/2011	13:29:30	0.016
258	07/15/2011	13:30:30	0.015
259	07/15/2011	13:31:30	0.019
260	07/15/2011	13:32:30	0.019
261	07/15/2011	13:33:30	0.016
262	07/15/2011	13:34:30	0.024
263	07/15/2011	13:35:30	0.019

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
264	07/15/2011	13:36:30	0.016
265	07/15/2011	13:37:30	0.017
266	07/15/2011	13:38:30	0.016
267	07/15/2011	13:39:30	0.017
268	07/15/2011	13:40:30	0.024
269	07/15/2011	13:41:30	0.018
270	07/15/2011	13:42:30	0.015
271	07/15/2011	13:43:30	0.017
272	07/15/2011	13:44:30	0.023
273	07/15/2011	13:45:30	0.015
274	07/15/2011	13:46:30	0.015
275	07/15/2011	13:47:30	0.014
276	07/15/2011	13:48:30	0.016
277	07/15/2011	13:49:30	0.016
278	07/15/2011	13:50:30	0.128
279	07/15/2011	13:51:30	0.013
280	07/15/2011	13:52:30	0.044
281	07/15/2011	13:53:30	0.041
282	07/15/2011	13:54:30	0.015
283	07/15/2011	13:55:30	0.014
284	07/15/2011	13:56:30	0.017
285	07/15/2011	13:57:30	0.017
286	07/15/2011	13:58:30	0.014
287	07/15/2011	13:59:30	0.013
288	07/15/2011	14:00:30	0.015
289	07/15/2011	14:01:30	0.014
290	07/15/2011	14:02:30	0.017
291	07/15/2011	14:03:30	0.015
292	07/15/2011	14:04:30	0.023
293	07/15/2011	14:05:30	0.019
294	07/15/2011	14:06:30	0.018
295	07/15/2011	14:07:30	0.043
296	07/15/2011	14:08:30	0.016
297	07/15/2011	14:09:30	0.013
298	07/15/2011	14:10:30	0.014
299	07/15/2011	14:11:30	0.024
300	07/15/2011	14:12:30	0.063
301	07/15/2011	14:13:30	0.022
302	07/15/2011	14:14:30	0.016
303	07/15/2011	14:15:30	0.017
304	07/15/2011	14:16:30	0.014
305	07/15/2011	14:17:30	0.013
306	07/15/2011	14:18:30	0.014
307	07/15/2011	14:19:30	0.015
308	07/15/2011	14:20:30	0.014
309	07/15/2011	14:21:30	0.015
310	07/15/2011	14:22:30	0.016
311	07/15/2011	14:23:30	0.013
312	07/15/2011	14:24:30	0.015
313	07/15/2011	14:25:30	0.017
314	07/15/2011	14:26:30	0.015
315	07/15/2011	14:27:30	0.012
316	07/15/2011	14:28:30	0.021
317	07/15/2011	14:29:30	0.013
318	07/15/2011	14:30:30	0.013

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
319	07/15/2011	14:31:30	0.016
320	07/15/2011	14:32:30	0.017
321	07/15/2011	14:33:30	0.014
322	07/15/2011	14:34:30	0.013
323	07/15/2011	14:35:30	0.013
324	07/15/2011	14:36:30	0.016
325	07/15/2011	14:37:30	0.014
326	07/15/2011	14:38:30	0.013
327	07/15/2011	14:39:30	0.013
328	07/15/2011	14:40:30	0.014
329	07/15/2011	14:41:30	0.013
330	07/15/2011	14:42:30	0.013
331	07/15/2011	14:43:30	0.013
332	07/15/2011	14:44:30	0.014
333	07/15/2011	14:45:30	0.014
334	07/15/2011	14:46:30	0.014
335	07/15/2011	14:47:30	0.014
336	07/15/2011	14:48:30	0.017
337	07/15/2011	14:49:30	0.018
338	07/15/2011	14:50:30	0.013
339	07/15/2011	14:51:30	0.013
340	07/15/2011	14:52:30	0.014
341	07/15/2011	14:53:30	0.013
342	07/15/2011	14:54:30	0.013
343	07/15/2011	14:55:30	0.013
344	07/15/2011	14:56:30	0.012
345	07/15/2011	14:57:30	0.013
346	07/15/2011	14:58:30	0.015
347	07/15/2011	14:59:30	0.015
348	07/15/2011	15:00:30	0.014
349	07/15/2011	15:01:30	0.016
350	07/15/2011	15:02:30	0.013
351	07/15/2011	15:03:30	0.013
352	07/15/2011	15:04:30	0.015
353	07/15/2011	15:05:30	0.014
354	07/15/2011	15:06:30	0.014
355	07/15/2011	15:07:30	0.013
356	07/15/2011	15:08:30	0.014
357	07/15/2011	15:09:30	0.016
358	07/15/2011	15:10:30	0.025
359	07/15/2011	15:11:30	0.020
360	07/15/2011	15:12:30	0.015
361	07/15/2011	15:13:30	0.015
362	07/15/2011	15:14:30	0.015
363	07/15/2011	15:15:30	0.019
364	07/15/2011	15:16:30	0.022
365	07/15/2011	15:17:30	0.033
366	07/15/2011	15:18:30	0.021
367	07/15/2011	15:19:30	0.047
368	07/15/2011	15:20:30	0.016
369	07/15/2011	15:21:30	0.016
370	07/15/2011	15:22:30	0.016
371	07/15/2011	15:23:30	0.016
372	07/15/2011	15:24:30	0.016
373	07/15/2011	15:25:30	0.015



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
374	07/15/2011	15:26:30	0.015
375	07/15/2011	15:27:30	0.033
376	07/15/2011	15:28:30	0.017
377	07/15/2011	15:29:30	0.016
378	07/15/2011	15:30:30	0.016
379	07/15/2011	15:31:30	0.016
380	07/15/2011	15:32:30	0.015
381	07/15/2011	15:33:30	0.014
382	07/15/2011	15:34:30	0.013
383	07/15/2011	15:35:30	0.014
384	07/15/2011	15:36:30	0.018
385	07/15/2011	15:37:30	0.014
386	07/15/2011	15:38:30	0.016
387	07/15/2011	15:39:30	0.015
388	07/15/2011	15:40:30	0.036
389	07/15/2011	15:41:30	0.029
390	07/15/2011	15:42:30	0.016
391	07/15/2011	15:43:30	0.015
392	07/15/2011	15:44:30	0.014
393	07/15/2011	15:45:30	0.017
394	07/15/2011	15:46:30	0.014
395	07/15/2011	15:47:30	0.013
396	07/15/2011	15:48:30	0.014
397	07/15/2011	15:49:30	0.014
398	07/15/2011	15:50:30	0.017
399	07/15/2011	15:51:30	0.013
400	07/15/2011	15:52:30	0.017
401	07/15/2011	15:53:30	0.014
402	07/15/2011	15:54:30	0.019
403	07/15/2011	15:55:30	0.014
404	07/15/2011	15:56:30	0.015
405	07/15/2011	15:57:30	0.017
406	07/15/2011	15:58:30	0.014
407	07/15/2011	15:59:30	0.013
408	07/15/2011	16:00:30	0.015
409	07/15/2011	16:01:30	0.012
410	07/15/2011	16:02:30	0.013
411	07/15/2011	16:03:30	0.014
412	07/15/2011	16:04:30	0.018
413	07/15/2011	16:05:30	0.013
414	07/15/2011	16:06:30	0.014
415	07/15/2011	16:07:30	0.014
416	07/15/2011	16:08:30	0.020
417	07/15/2011	16:09:30	0.014
418	07/15/2011	16:10:30	0.019
419	07/15/2011	16:11:30	0.017
420	07/15/2011	16:12:30	0.016
421	07/15/2011	16:13:30	0.014
422	07/15/2011	16:14:30	0.016
423	07/15/2011	16:15:30	0.023
424	07/15/2011	16:16:30	0.047

# Test 009

Instrument		Data Properties	
Model	Dust Trak	Start Date	07/15/2011
Meter S/N	85201065	Start Time	09:10:22
		Stop Date	07/15/2011
		Stop Time	16:15:22
		Total Time	0:07:05:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	07/15/2011	09:15:22	0.013
2	07/15/2011	09:20:22	0.013
3	07/15/2011	09:25:22	0.014
4	07/15/2011	09:30:22	0.014
5	07/15/2011	09:35:22	0.014
6	07/15/2011	09:40:22	0.014
7	07/15/2011	09:45:22	0.015
8	07/15/2011	09:50:22	0.017
9	07/15/2011	09:55:22	0.011
10	07/15/2011	10:00:22	0.011
11	07/15/2011	10:05:22	0.011
12	07/15/2011	10:10:22	0.011
13	07/15/2011	10:15:22	0.012
14	07/15/2011	10:20:22	0.010
15	07/15/2011	10:25:22	0.010
16	07/15/2011	10:30:22	0.010
17	07/15/2011	10:35:22	0.010
18	07/15/2011	10:40:22	0.009
19	07/15/2011	10:45:22	0.010
20	07/15/2011	10:50:22	0.010
21	07/15/2011	10:55:22	0.011
22	07/15/2011	11:00:22	0.011
23	07/15/2011	11:05:22	0.010
24	07/15/2011	11:10:22	0.011
25	07/15/2011	11:15:22	0.011
26	07/15/2011	11:20:22	0.012
27	07/15/2011	11:25:22	0.012
28	07/15/2011	11:30:22	0.010
29	07/15/2011	11:35:22	0.011
30	07/15/2011	11:40:22	0.012
31	07/15/2011	11:45:22	0.012
32	07/15/2011	11:50:22	0.011
33	07/15/2011	11:55:22	0.011
34	07/15/2011	12:00:22	0.010
35	07/15/2011	12:05:22	0.010
36	07/15/2011	12:10:22	0.009
37	07/15/2011	12:15:22	0.009
38	07/15/2011	12:20:22	0.010
39	07/15/2011	12:25:22	0.010
40	07/15/2011	12:30:22	0.011
41	07/15/2011	12:35:22	0.014
42	07/15/2011	12:40:22	0.015
43	07/15/2011	12:45:22	0.012

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	07/15/2011	12:50:22	0.014
45	07/15/2011	12:55:22	0.012
46	07/15/2011	13:00:22	0.011
47	07/15/2011	13:05:22	0.024
48	07/15/2011	13:10:22	0.015
49	07/15/2011	13:15:22	0.012
50	07/15/2011	13:20:22	0.013
51	07/15/2011	13:25:22	0.012
52	07/15/2011	13:30:22	0.011
53	07/15/2011	13:35:22	0.013
54	07/15/2011	13:40:22	0.011
55	07/15/2011	13:45:22	0.011
56	07/15/2011	13:50:22	0.011
57	07/15/2011	13:55:22	0.011
58	07/15/2011	14:00:22	0.011
59	07/15/2011	14:05:22	0.014
60	07/15/2011	14:10:22	0.012
61	07/15/2011	14:15:22	0.014
62	07/15/2011	14:20:22	0.010
63	07/15/2011	14:25:22	0.010
64	07/15/2011	14:30:22	0.012
65	07/15/2011	14:35:22	0.013
66	07/15/2011	14:40:22	0.011
67	07/15/2011	14:45:22	0.010
68	07/15/2011	14:50:22	0.010
69	07/15/2011	14:55:22	0.010
70	07/15/2011	15:00:22	0.010
71	07/15/2011	15:05:22	0.010
72	07/15/2011	15:10:22	0.013
73	07/15/2011	15:15:22	0.014
74	07/15/2011	15:20:22	0.012
75	07/15/2011	15:25:22	0.010
76	07/15/2011	15:30:22	0.011
77	07/15/2011	15:35:22	0.011
78	07/15/2011	15:40:22	0.014
79	07/15/2011	15:45:22	0.010
80	07/15/2011	15:50:22	0.011
81	07/15/2011	15:55:22	0.010
82	07/15/2011	16:00:22	0.010
83	07/15/2011	16:05:22	0.011
84	07/15/2011	16:10:22	0.011
85	07/15/2011	16:15:22	0.014

# Test 010

Instrument		Data Properties	
Model	Dust Trak	Start Date	07/18/2011
Meter S/N	85201091	Start Time	08:36:32
		Stop Date	07/18/2011
		Stop Time	16:18:32
		Total Time	0:07:42:00
		Logging Interval	60 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	07/18/2011	08:37:32	0.039
2	07/18/2011	08:38:32	0.043
3	07/18/2011	08:39:32	0.040
4	07/18/2011	08:40:32	0.040
5	07/18/2011	08:41:32	0.038
6	07/18/2011	08:42:32	0.036
7	07/18/2011	08:43:32	0.036
8	07/18/2011	08:44:32	0.033
9	07/18/2011	08:45:32	0.032
10	07/18/2011	08:46:32	0.033
11	07/18/2011	08:47:32	0.034
12	07/18/2011	08:48:32	0.033
13	07/18/2011	08:49:32	0.033
14	07/18/2011	08:50:32	0.035
15	07/18/2011	08:51:32	0.040
16	07/18/2011	08:52:32	0.036
17	07/18/2011	08:53:32	0.037
18	07/18/2011	08:54:32	0.038
19	07/18/2011	08:55:32	0.038
20	07/18/2011	08:56:32	0.040
21	07/18/2011	08:57:32	0.042
22	07/18/2011	08:58:32	0.045
23	07/18/2011	08:59:32	0.045
24	07/18/2011	09:00:32	0.045
25	07/18/2011	09:01:32	0.046
26	07/18/2011	09:02:32	0.047
27	07/18/2011	09:03:32	0.050
28	07/18/2011	09:04:32	0.051
29	07/18/2011	09:05:32	0.051
30	07/18/2011	09:06:32	0.053
31	07/18/2011	09:07:32	0.061
32	07/18/2011	09:08:32	0.063
33	07/18/2011	09:09:32	0.063
34	07/18/2011	09:10:32	0.063
35	07/18/2011	09:11:32	0.061
36	07/18/2011	09:12:32	0.062
37	07/18/2011	09:13:32	0.060
38	07/18/2011	09:14:32	0.060
39	07/18/2011	09:15:32	0.066
40	07/18/2011	09:16:32	0.067
41	07/18/2011	09:17:32	0.066
42	07/18/2011	09:18:32	0.066
43	07/18/2011	09:19:32	0.065

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	07/18/2011	09:20:32	0.065
45	07/18/2011	09:21:32	0.062
46	07/18/2011	09:22:32	0.062
47	07/18/2011	09:23:32	0.065
48	07/18/2011	09:24:32	0.063
49	07/18/2011	09:25:32	0.063
50	07/18/2011	09:26:32	0.066
51	07/18/2011	09:27:32	0.063
52	07/18/2011	09:28:32	0.066
53	07/18/2011	09:29:32	0.065
54	07/18/2011	09:30:32	0.062
55	07/18/2011	09:31:32	0.064
56	07/18/2011	09:32:32	0.069
57	07/18/2011	09:33:32	0.068
58	07/18/2011	09:34:32	0.076
59	07/18/2011	09:35:32	0.080
60	07/18/2011	09:36:32	0.093
61	07/18/2011	09:37:32	0.072
62	07/18/2011	09:38:32	0.070
63	07/18/2011	09:39:32	0.070
64	07/18/2011	09:40:32	0.071
65	07/18/2011	09:41:32	0.074
66	07/18/2011	09:42:32	0.074
67	07/18/2011	09:43:32	0.073
68	07/18/2011	09:44:32	0.071
69	07/18/2011	09:45:32	0.072
70	07/18/2011	09:46:32	0.071
71	07/18/2011	09:47:32	0.072
72	07/18/2011	09:48:32	0.074
73	07/18/2011	09:49:32	0.071
74	07/18/2011	09:50:32	0.068
75	07/18/2011	09:51:32	0.066
76	07/18/2011	09:52:32	0.066
77	07/18/2011	09:53:32	0.065
78	07/18/2011	09:54:32	0.067
79	07/18/2011	09:55:32	0.066
80	07/18/2011	09:56:32	0.068
81	07/18/2011	09:57:32	0.068
82	07/18/2011	09:58:32	0.067
83	07/18/2011	09:59:32	0.065
84	07/18/2011	10:00:32	0.065
85	07/18/2011	10:01:32	0.065
86	07/18/2011	10:02:32	0.065
87	07/18/2011	10:03:32	0.063
88	07/18/2011	10:04:32	0.063
89	07/18/2011	10:05:32	0.064
90	07/18/2011	10:06:32	0.066
91	07/18/2011	10:07:32	0.060
92	07/18/2011	10:08:32	0.063
93	07/18/2011	10:09:32	0.057
94	07/18/2011	10:10:32	0.058
95	07/18/2011	10:11:32	0.059
96	07/18/2011	10:12:32	0.057
97	07/18/2011	10:13:32	0.057
98	07/18/2011	10:14:32	0.055

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
99	07/18/2011	10:15:32	0.058
100	07/18/2011	10:16:32	0.057
101	07/18/2011	10:17:32	0.055
102	07/18/2011	10:18:32	0.054
103	07/18/2011	10:19:32	0.057
104	07/18/2011	10:20:32	0.055
105	07/18/2011	10:21:32	0.056
106	07/18/2011	10:22:32	0.055
107	07/18/2011	10:23:32	0.055
108	07/18/2011	10:24:32	0.054
109	07/18/2011	10:25:32	0.058
110	07/18/2011	10:26:32	0.053
111	07/18/2011	10:27:32	0.051
112	07/18/2011	10:28:32	0.052
113	07/18/2011	10:29:32	0.052
114	07/18/2011	10:30:32	0.054
115	07/18/2011	10:31:32	0.056
116	07/18/2011	10:32:32	0.057
117	07/18/2011	10:33:32	0.058
118	07/18/2011	10:34:32	0.060
119	07/18/2011	10:35:32	0.062
120	07/18/2011	10:36:32	0.062
121	07/18/2011	10:37:32	0.064
122	07/18/2011	10:38:32	0.065
123	07/18/2011	10:39:32	0.067
124	07/18/2011	10:40:32	0.069
125	07/18/2011	10:41:32	0.068
126	07/18/2011	10:42:32	0.071
127	07/18/2011	10:43:32	0.071
128	07/18/2011	10:44:32	0.071
129	07/18/2011	10:45:32	0.071
130	07/18/2011	10:46:32	0.071
131	07/18/2011	10:47:32	0.070
132	07/18/2011	10:48:32	0.072
133	07/18/2011	10:49:32	0.073
134	07/18/2011	10:50:32	0.072
135	07/18/2011	10:51:32	0.071
136	07/18/2011	10:52:32	0.072
137	07/18/2011	10:53:32	0.074
138	07/18/2011	10:54:32	0.074
139	07/18/2011	10:55:32	0.075
140	07/18/2011	10:56:32	0.076
141	07/18/2011	10:57:32	0.075
142	07/18/2011	10:58:32	0.076
143	07/18/2011	10:59:32	0.076
144	07/18/2011	11:00:32	0.075
145	07/18/2011	11:01:32	0.077
146	07/18/2011	11:02:32	0.079
147	07/18/2011	11:03:32	0.080
148	07/18/2011	11:04:32	0.084
149	07/18/2011	11:05:32	0.085
150	07/18/2011	11:06:32	0.085
151	07/18/2011	11:07:32	0.089
152	07/18/2011	11:08:32	0.088
153	07/18/2011	11:09:32	0.087

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
154	07/18/2011	11:10:32	0.089
155	07/18/2011	11:11:32	0.088
156	07/18/2011	11:12:32	0.089
157	07/18/2011	11:13:32	0.092
158	07/18/2011	11:14:32	0.090
159	07/18/2011	11:15:32	0.089
160	07/18/2011	11:16:32	0.086
161	07/18/2011	11:17:32	0.082
162	07/18/2011	11:18:32	0.082
163	07/18/2011	11:19:32	0.085
164	07/18/2011	11:20:32	0.083
165	07/18/2011	11:21:32	0.082
166	07/18/2011	11:22:32	0.083
167	07/18/2011	11:23:32	0.084
168	07/18/2011	11:24:32	0.084
169	07/18/2011	11:25:32	0.085
170	07/18/2011	11:26:32	0.089
171	07/18/2011	11:27:32	0.086
172	07/18/2011	11:28:32	0.084
173	07/18/2011	11:29:32	0.087
174	07/18/2011	11:30:32	0.088
175	07/18/2011	11:31:32	0.085
176	07/18/2011	11:32:32	0.090
177	07/18/2011	11:33:32	0.086
178	07/18/2011	11:34:32	0.084
179	07/18/2011	11:35:32	0.088
180	07/18/2011	11:36:32	0.084
181	07/18/2011	11:37:32	0.079
182	07/18/2011	11:38:32	0.075
183	07/18/2011	11:39:32	0.076
184	07/18/2011	11:40:32	0.074
185	07/18/2011	11:41:32	0.071
186	07/18/2011	11:42:32	0.069
187	07/18/2011	11:43:32	0.069
188	07/18/2011	11:44:32	0.066
189	07/18/2011	11:45:32	0.059
190	07/18/2011	11:46:32	0.058
191	07/18/2011	11:47:32	0.055
192	07/18/2011	11:48:32	0.055
193	07/18/2011	11:49:32	0.056
194	07/18/2011	11:50:32	0.055
195	07/18/2011	11:51:32	0.056
196	07/18/2011	11:52:32	0.056
197	07/18/2011	11:53:32	0.054
198	07/18/2011	11:54:32	0.052
199	07/18/2011	11:55:32	0.052
200	07/18/2011	11:56:32	0.054
201	07/18/2011	11:57:32	0.050
202	07/18/2011	11:58:32	0.049
203	07/18/2011	11:59:32	0.051
204	07/18/2011	12:00:32	0.052
205	07/18/2011	12:01:32	0.050
206	07/18/2011	12:02:32	0.051
207	07/18/2011	12:03:32	0.051
208	07/18/2011	12:04:32	0.050

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
209	07/18/2011	12:05:32	0.046
210	07/18/2011	12:06:32	0.047
211	07/18/2011	12:07:32	0.046
212	07/18/2011	12:08:32	0.050
213	07/18/2011	12:09:32	0.047
214	07/18/2011	12:10:32	0.046
215	07/18/2011	12:11:32	0.044
216	07/18/2011	12:12:32	0.044
217	07/18/2011	12:13:32	0.044
218	07/18/2011	12:14:32	0.043
219	07/18/2011	12:15:32	0.041
220	07/18/2011	12:16:32	0.056
221	07/18/2011	12:17:32	0.047
222	07/18/2011	12:18:32	0.050
223	07/18/2011	12:19:32	0.051
224	07/18/2011	12:20:32	0.053
225	07/18/2011	12:21:32	0.051
226	07/18/2011	12:22:32	0.052
227	07/18/2011	12:23:32	0.055
228	07/18/2011	12:24:32	0.055
229	07/18/2011	12:25:32	0.056
230	07/18/2011	12:26:32	0.055
231	07/18/2011	12:27:32	0.057
232	07/18/2011	12:28:32	0.056
233	07/18/2011	12:29:32	0.060
234	07/18/2011	12:30:32	0.058
235	07/18/2011	12:31:32	0.056
236	07/18/2011	12:32:32	0.057
237	07/18/2011	12:33:32	0.057
238	07/18/2011	12:34:32	0.055
239	07/18/2011	12:35:32	0.057
240	07/18/2011	12:36:32	0.060
241	07/18/2011	12:37:32	0.058
242	07/18/2011	12:38:32	0.059
243	07/18/2011	12:39:32	0.060
244	07/18/2011	12:40:32	0.067
245	07/18/2011	12:41:32	0.064
246	07/18/2011	12:42:32	0.062
247	07/18/2011	12:43:32	0.063
248	07/18/2011	12:44:32	0.060
249	07/18/2011	12:45:32	0.062
250	07/18/2011	12:46:32	0.064
251	07/18/2011	12:47:32	0.065
252	07/18/2011	12:48:32	0.064
253	07/18/2011	12:49:32	0.065
254	07/18/2011	12:50:32	0.066
255	07/18/2011	12:51:32	0.066
256	07/18/2011	12:52:32	0.066
257	07/18/2011	12:53:32	0.068
258	07/18/2011	12:54:32	0.068
259	07/18/2011	12:55:32	0.067
260	07/18/2011	12:56:32	0.066
261	07/18/2011	12:57:32	0.067
262	07/18/2011	12:58:32	0.068
263	07/18/2011	12:59:32	0.067



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
264	07/18/2011	13:00:32	0.068
265	07/18/2011	13:01:32	0.068
266	07/18/2011	13:02:32	0.068
267	07/18/2011	13:03:32	0.066
268	07/18/2011	13:04:32	0.067
269	07/18/2011	13:05:32	0.070
270	07/18/2011	13:06:32	0.071
271	07/18/2011	13:07:32	0.069
272	07/18/2011	13:08:32	0.070
273	07/18/2011	13:09:32	0.069
274	07/18/2011	13:10:32	0.071
275	07/18/2011	13:11:32	0.069
276	07/18/2011	13:12:32	0.069
277	07/18/2011	13:13:32	0.069
278	07/18/2011	13:14:32	0.067
279	07/18/2011	13:15:32	0.068
280	07/18/2011	13:16:32	0.070
281	07/18/2011	13:17:32	0.069
282	07/18/2011	13:18:32	0.071
283	07/18/2011	13:19:32	0.071
284	07/18/2011	13:20:32	0.070
285	07/18/2011	13:21:32	0.071
286	07/18/2011	13:22:32	0.070
287	07/18/2011	13:23:32	0.068
288	07/18/2011	13:24:32	0.069
289	07/18/2011	13:25:32	0.068
290	07/18/2011	13:26:32	0.069
291	07/18/2011	13:27:32	0.068
292	07/18/2011	13:28:32	0.070
293	07/18/2011	13:29:32	0.069
294	07/18/2011	13:30:32	0.069
295	07/18/2011	13:31:32	0.068
296	07/18/2011	13:32:32	0.068
297	07/18/2011	13:33:32	0.070
298	07/18/2011	13:34:32	0.071
299	07/18/2011	13:35:32	0.071
300	07/18/2011	13:36:32	0.075
301	07/18/2011	13:37:32	0.072
302	07/18/2011	13:38:32	0.072
303	07/18/2011	13:39:32	0.068
304	07/18/2011	13:40:32	0.065
305	07/18/2011	13:41:32	0.062
306	07/18/2011	13:42:32	0.064
307	07/18/2011	13:43:32	0.066
308	07/18/2011	13:44:32	0.067
309	07/18/2011	13:45:32	0.067
310	07/18/2011	13:46:32	0.065
311	07/18/2011	13:47:32	0.065
312	07/18/2011	13:48:32	0.062
313	07/18/2011	13:49:32	0.062
314	07/18/2011	13:50:32	0.062
315	07/18/2011	13:51:32	0.060
316	07/18/2011	13:52:32	0.060
317	07/18/2011	13:53:32	0.058
318	07/18/2011	13:54:32	0.059

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
319	07/18/2011	13:55:32	0.060
320	07/18/2011	13:56:32	0.061
321	07/18/2011	13:57:32	0.062
322	07/18/2011	13:58:32	0.058
323	07/18/2011	13:59:32	0.056
324	07/18/2011	14:00:32	0.056
325	07/18/2011	14:01:32	0.056
326	07/18/2011	14:02:32	0.053
327	07/18/2011	14:03:32	0.049
328	07/18/2011	14:04:32	0.050
329	07/18/2011	14:05:32	0.052
330	07/18/2011	14:06:32	0.052
331	07/18/2011	14:07:32	0.050
332	07/18/2011	14:08:32	0.051
333	07/18/2011	14:09:32	0.050
334	07/18/2011	14:10:32	0.049
335	07/18/2011	14:11:32	0.050
336	07/18/2011	14:12:32	0.051
337	07/18/2011	14:13:32	0.052
338	07/18/2011	14:14:32	0.050
339	07/18/2011	14:15:32	0.047
340	07/18/2011	14:16:32	0.048
341	07/18/2011	14:17:32	0.044
342	07/18/2011	14:18:32	0.047
343	07/18/2011	14:19:32	0.047
344	07/18/2011	14:20:32	0.045
345	07/18/2011	14:21:32	0.046
346	07/18/2011	14:22:32	0.046
347	07/18/2011	14:23:32	0.045
348	07/18/2011	14:24:32	0.042
349	07/18/2011	14:25:32	0.041
350	07/18/2011	14:26:32	0.042
351	07/18/2011	14:27:32	0.043
352	07/18/2011	14:28:32	0.043
353	07/18/2011	14:29:32	0.044
354	07/18/2011	14:30:32	0.044
355	07/18/2011	14:31:32	0.044
356	07/18/2011	14:32:32	0.044
357	07/18/2011	14:33:32	0.040
358	07/18/2011	14:34:32	0.039
359	07/18/2011	14:35:32	0.041
360	07/18/2011	14:36:32	0.044
361	07/18/2011	14:37:32	0.043
362	07/18/2011	14:38:32	0.044
363	07/18/2011	14:39:32	0.045
364	07/18/2011	14:40:32	0.043
365	07/18/2011	14:41:32	0.044
366	07/18/2011	14:42:32	0.044
367	07/18/2011	14:43:32	0.044
368	07/18/2011	14:44:32	0.045
369	07/18/2011	14:45:32	0.044
370	07/18/2011	14:46:32	0.044
371	07/18/2011	14:47:32	0.040
372	07/18/2011	14:48:32	0.040
373	07/18/2011	14:49:32	0.040

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
374	07/18/2011	14:50:32	0.039
375	07/18/2011	14:51:32	0.038
376	07/18/2011	14:52:32	0.039
377	07/18/2011	14:53:32	0.040
378	07/18/2011	14:54:32	0.040
379	07/18/2011	14:55:32	0.039
380	07/18/2011	14:56:32	0.040
381	07/18/2011	14:57:32	0.039
382	07/18/2011	14:58:32	0.038
383	07/18/2011	14:59:32	0.040
384	07/18/2011	15:00:32	0.040
385	07/18/2011	15:01:32	0.041
386	07/18/2011	15:02:32	0.042
387	07/18/2011	15:03:32	0.042
388	07/18/2011	15:04:32	0.041
389	07/18/2011	15:05:32	0.042
390	07/18/2011	15:06:32	0.039
391	07/18/2011	15:07:32	0.039
392	07/18/2011	15:08:32	0.038
393	07/18/2011	15:09:32	0.039
394	07/18/2011	15:10:32	0.041
395	07/18/2011	15:11:32	0.040
396	07/18/2011	15:12:32	0.040
397	07/18/2011	15:13:32	0.041
398	07/18/2011	15:14:32	0.042
399	07/18/2011	15:15:32	0.041
400	07/18/2011	15:16:32	0.042
401	07/18/2011	15:17:32	0.041
402	07/18/2011	15:18:32	0.041
403	07/18/2011	15:19:32	0.041
404	07/18/2011	15:20:32	0.039
405	07/18/2011	15:21:32	0.039
406	07/18/2011	15:22:32	0.041
407	07/18/2011	15:23:32	0.041
408	07/18/2011	15:24:32	0.043
409	07/18/2011	15:25:32	0.043
410	07/18/2011	15:26:32	0.043
411	07/18/2011	15:27:32	0.042
412	07/18/2011	15:28:32	0.042
413	07/18/2011	15:29:32	0.042
414	07/18/2011	15:30:32	0.042
415	07/18/2011	15:31:32	0.041
416	07/18/2011	15:32:32	0.041
417	07/18/2011	15:33:32	0.042
418	07/18/2011	15:34:32	0.041
419	07/18/2011	15:35:32	0.042
420	07/18/2011	15:36:32	0.041
421	07/18/2011	15:37:32	0.040
422	07/18/2011	15:38:32	0.041
423	07/18/2011	15:39:32	0.040
424	07/18/2011	15:40:32	0.041
425	07/18/2011	15:41:32	0.042
426	07/18/2011	15:42:32	0.041
427	07/18/2011	15:43:32	0.043
428	07/18/2011	15:44:32	0.043

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
429	07/18/2011	15:45:32	0.044
430	07/18/2011	15:46:32	0.044
431	07/18/2011	15:47:32	0.044
432	07/18/2011	15:48:32	0.044
433	07/18/2011	15:49:32	0.045
434	07/18/2011	15:50:32	0.043
435	07/18/2011	15:51:32	0.044
436	07/18/2011	15:52:32	0.044
437	07/18/2011	15:53:32	0.045
438	07/18/2011	15:54:32	0.046
439	07/18/2011	15:55:32	0.045
440	07/18/2011	15:56:32	0.045
441	07/18/2011	15:57:32	0.045
442	07/18/2011	15:58:32	0.046
443	07/18/2011	15:59:32	0.044
444	07/18/2011	16:00:32	0.044
445	07/18/2011	16:01:32	0.046
446	07/18/2011	16:02:32	0.044
447	07/18/2011	16:03:32	0.045
448	07/18/2011	16:04:32	0.045
449	07/18/2011	16:05:32	0.047
450	07/18/2011	16:06:32	0.045
451	07/18/2011	16:07:32	0.046
452	07/18/2011	16:08:32	0.046
453	07/18/2011	16:09:32	0.046
454	07/18/2011	16:10:32	0.045
455	07/18/2011	16:11:32	0.046
456	07/18/2011	16:12:32	0.045
457	07/18/2011	16:13:32	0.047
458	07/18/2011	16:14:32	0.048
459	07/18/2011	16:15:32	0.052
460	07/18/2011	16:16:32	0.053
461	07/18/2011	16:17:32	0.052
462	07/18/2011	16:18:32	0.054

# Test 010

Instrument		Data Properties	
Model	Dust Trak	Start Date	07/18/2011
Meter S/N	85201065	Start Time	08:37:26
		Stop Date	07/18/2011
		Stop Time	16:12:26
		Total Time	0:07:35:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	07/18/2011	08:42:26	0.034
2	07/18/2011	08:47:26	0.028
3	07/18/2011	08:52:26	0.042
4	07/18/2011	08:57:26	0.041
5	07/18/2011	09:02:26	0.046
6	07/18/2011	09:07:26	0.049
7	07/18/2011	09:12:26	0.057
8	07/18/2011	09:17:26	0.057
9	07/18/2011	09:22:26	0.054
10	07/18/2011	09:27:26	0.051
11	07/18/2011	09:32:26	0.057
12	07/18/2011	09:37:26	0.060
13	07/18/2011	09:42:26	0.063
14	07/18/2011	09:47:26	0.063
15	07/18/2011	09:52:26	0.062
16	07/18/2011	09:57:26	0.061
17	07/18/2011	10:02:26	0.081
18	07/18/2011	10:07:26	0.058
19	07/18/2011	10:12:26	0.051
20	07/18/2011	10:17:26	0.052
21	07/18/2011	10:22:26	0.050
22	07/18/2011	10:27:26	0.050
23	07/18/2011	10:32:26	0.051
24	07/18/2011	10:37:26	0.057
25	07/18/2011	10:42:26	0.063
26	07/18/2011	10:47:26	0.066
27	07/18/2011	10:52:26	0.067
28	07/18/2011	10:57:26	0.069
29	07/18/2011	11:02:26	0.072
30	07/18/2011	11:07:26	0.078
31	07/18/2011	11:12:26	0.082
32	07/18/2011	11:17:26	0.081
33	07/18/2011	11:22:26	0.077
34	07/18/2011	11:27:26	0.077
35	07/18/2011	11:32:26	0.079
36	07/18/2011	11:37:26	0.076
37	07/18/2011	11:42:26	0.067
38	07/18/2011	11:47:26	0.053
39	07/18/2011	11:52:26	0.052
40	07/18/2011	11:57:26	0.047
41	07/18/2011	12:02:26	0.047
42	07/18/2011	12:07:26	0.046
43	07/18/2011	12:12:26	0.045

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	07/18/2011	12:17:26	0.041
45	07/18/2011	12:22:26	0.048
46	07/18/2011	12:27:26	0.051
47	07/18/2011	12:32:26	0.051
48	07/18/2011	12:37:26	0.062
49	07/18/2011	12:42:26	0.060
50	07/18/2011	12:47:26	0.057
51	07/18/2011	12:52:26	0.060
52	07/18/2011	12:57:26	0.060
53	07/18/2011	13:02:26	0.060
54	07/18/2011	13:07:26	0.061
55	07/18/2011	13:12:26	0.062
56	07/18/2011	13:17:26	0.061
57	07/18/2011	13:22:26	0.076
58	07/18/2011	13:27:26	0.061
59	07/18/2011	13:32:26	0.076
60	07/18/2011	13:37:26	0.063
61	07/18/2011	13:42:26	0.060
62	07/18/2011	13:47:26	0.059
63	07/18/2011	13:52:26	0.055
64	07/18/2011	13:57:26	0.053
65	07/18/2011	14:02:26	0.049
66	07/18/2011	14:07:26	0.046
67	07/18/2011	14:12:26	0.045
68	07/18/2011	14:17:26	0.043
69	07/18/2011	14:22:26	0.041
70	07/18/2011	14:27:26	0.040
71	07/18/2011	14:32:26	0.038
72	07/18/2011	14:37:26	0.036
73	07/18/2011	14:42:26	0.039
74	07/18/2011	14:47:26	0.038
75	07/18/2011	14:52:26	0.035
76	07/18/2011	14:57:26	0.035
77	07/18/2011	15:02:26	0.037
78	07/18/2011	15:07:26	0.036
79	07/18/2011	15:12:26	0.037
80	07/18/2011	15:17:26	0.037
81	07/18/2011	15:22:26	0.036
82	07/18/2011	15:27:26	0.038
83	07/18/2011	15:32:26	0.038
84	07/18/2011	15:37:26	0.036
85	07/18/2011	15:42:26	0.037
86	07/18/2011	15:47:26	0.040
87	07/18/2011	15:52:26	0.039
88	07/18/2011	15:57:26	0.041
89	07/18/2011	16:02:26	0.041
90	07/18/2011	16:07:26	0.041
91	07/18/2011	16:12:26	0.042

# Test 011

Instrument		Data Properties	
Model	Dust Trak	Start Date	07/19/2011
Meter S/N	85201091	Start Time	10:05:18
		Stop Date	07/19/2011
		Stop Time	16:08:18
		Total Time	0:06:03:00
		Logging Interval	60 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	07/19/2011	10:06:18	0.029
2	07/19/2011	10:07:18	0.028
3	07/19/2011	10:08:18	0.029
4	07/19/2011	10:09:18	0.028
5	07/19/2011	10:10:18	0.028
6	07/19/2011	10:11:18	0.028
7	07/19/2011	10:12:18	0.028
8	07/19/2011	10:13:18	0.029
9	07/19/2011	10:14:18	0.029
10	07/19/2011	10:15:18	0.029
11	07/19/2011	10:16:18	0.029
12	07/19/2011	10:17:18	0.031
13	07/19/2011	10:18:18	0.029
14	07/19/2011	10:19:18	0.029
15	07/19/2011	10:20:18	0.029
16	07/19/2011	10:21:18	0.029
17	07/19/2011	10:22:18	0.030
18	07/19/2011	10:23:18	0.030
19	07/19/2011	10:24:18	0.030
20	07/19/2011	10:25:18	0.031
21	07/19/2011	10:26:18	0.030
22	07/19/2011	10:27:18	0.030
23	07/19/2011	10:28:18	0.030
24	07/19/2011	10:29:18	0.029
25	07/19/2011	10:30:18	0.030
26	07/19/2011	10:31:18	0.031
27	07/19/2011	10:32:18	0.031
28	07/19/2011	10:33:18	0.029
29	07/19/2011	10:34:18	0.031
30	07/19/2011	10:35:18	0.030
31	07/19/2011	10:36:18	0.030
32	07/19/2011	10:37:18	0.029
33	07/19/2011	10:38:18	0.030
34	07/19/2011	10:39:18	0.030
35	07/19/2011	10:40:18	0.030
36	07/19/2011	10:41:18	0.033
37	07/19/2011	10:42:18	0.032
38	07/19/2011	10:43:18	0.031
39	07/19/2011	10:44:18	0.030
40	07/19/2011	10:45:18	0.030
41	07/19/2011	10:46:18	0.030
42	07/19/2011	10:47:18	0.030
43	07/19/2011	10:48:18	0.030

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	07/19/2011	10:49:18	0.029
45	07/19/2011	10:50:18	0.031
46	07/19/2011	10:51:18	0.031
47	07/19/2011	10:52:18	0.031
48	07/19/2011	10:53:18	0.031
49	07/19/2011	10:54:18	0.031
50	07/19/2011	10:55:18	0.030
51	07/19/2011	10:56:18	0.030
52	07/19/2011	10:57:18	0.030
53	07/19/2011	10:58:18	0.032
54	07/19/2011	10:59:18	0.031
55	07/19/2011	11:00:18	0.031
56	07/19/2011	11:01:18	0.031
57	07/19/2011	11:02:18	0.030
58	07/19/2011	11:03:18	0.032
59	07/19/2011	11:04:18	0.031
60	07/19/2011	11:05:18	0.030
61	07/19/2011	11:06:18	0.031
62	07/19/2011	11:07:18	0.031
63	07/19/2011	11:08:18	0.033
64	07/19/2011	11:09:18	0.031
65	07/19/2011	11:10:18	0.031
66	07/19/2011	11:11:18	0.030
67	07/19/2011	11:12:18	0.031
68	07/19/2011	11:13:18	0.031
69	07/19/2011	11:14:18	0.032
70	07/19/2011	11:15:18	0.031
71	07/19/2011	11:16:18	0.031
72	07/19/2011	11:17:18	0.031
73	07/19/2011	11:18:18	0.031
74	07/19/2011	11:19:18	0.031
75	07/19/2011	11:20:18	0.030
76	07/19/2011	11:21:18	0.029
77	07/19/2011	11:22:18	0.029
78	07/19/2011	11:23:18	0.029
79	07/19/2011	11:24:18	0.030
80	07/19/2011	11:25:18	0.030
81	07/19/2011	11:26:18	0.031
82	07/19/2011	11:27:18	0.030
83	07/19/2011	11:28:18	0.031
84	07/19/2011	11:29:18	0.031
85	07/19/2011	11:30:18	0.032
86	07/19/2011	11:31:18	0.032
87	07/19/2011	11:32:18	0.032
88	07/19/2011	11:33:18	0.032
89	07/19/2011	11:34:18	0.030
90	07/19/2011	11:35:18	0.032
91	07/19/2011	11:36:18	0.032
92	07/19/2011	11:37:18	0.031
93	07/19/2011	11:38:18	0.033
94	07/19/2011	11:39:18	0.032
95	07/19/2011	11:40:18	0.032
96	07/19/2011	11:41:18	0.033
97	07/19/2011	11:42:18	0.031
98	07/19/2011	11:43:18	0.033



Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
99	07/19/2011	11:44:18	0.034
100	07/19/2011	11:45:18	0.032
101	07/19/2011	11:46:18	0.032
102	07/19/2011	11:47:18	0.030
103	07/19/2011	11:48:18	0.030
104	07/19/2011	11:49:18	0.031
105	07/19/2011	11:50:18	0.033
106	07/19/2011	11:51:18	0.033
107	07/19/2011	11:52:18	0.032
108	07/19/2011	11:53:18	0.031
109	07/19/2011	11:54:18	0.032
110	07/19/2011	11:55:18	0.032
111	07/19/2011	11:56:18	0.032
112	07/19/2011	11:57:18	0.032
113	07/19/2011	11:58:18	0.031
114	07/19/2011	11:59:18	0.033
115	07/19/2011	12:00:18	0.032
116	07/19/2011	12:01:18	0.033
117	07/19/2011	12:02:18	0.032
118	07/19/2011	12:03:18	0.032
119	07/19/2011	12:04:18	0.032
120	07/19/2011	12:05:18	0.035
121	07/19/2011	12:06:18	0.034
122	07/19/2011	12:07:18	0.033
123	07/19/2011	12:08:18	0.033
124	07/19/2011	12:09:18	0.034
125	07/19/2011	12:10:18	0.033
126	07/19/2011	12:11:18	0.033
127	07/19/2011	12:12:18	0.035
128	07/19/2011	12:13:18	0.033
129	07/19/2011	12:14:18	0.035
130	07/19/2011	12:15:18	0.034
131	07/19/2011	12:16:18	0.034
132	07/19/2011	12:17:18	0.033
133	07/19/2011	12:18:18	0.034
134	07/19/2011	12:19:18	0.033
135	07/19/2011	12:20:18	0.034
136	07/19/2011	12:21:18	0.034
137	07/19/2011	12:22:18	0.034
138	07/19/2011	12:23:18	0.034
139	07/19/2011	12:24:18	0.035
140	07/19/2011	12:25:18	0.035
141	07/19/2011	12:26:18	0.033
142	07/19/2011	12:27:18	0.035
143	07/19/2011	12:28:18	0.035
144	07/19/2011	12:29:18	0.038
145	07/19/2011	12:30:18	0.044
146	07/19/2011	12:31:18	0.045
147	07/19/2011	12:32:18	0.033
148	07/19/2011	12:33:18	0.035
149	07/19/2011	12:34:18	0.035
150	07/19/2011	12:35:18	0.036
151	07/19/2011	12:36:18	0.036
152	07/19/2011	12:37:18	0.043
153	07/19/2011	12:38:18	0.035

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
154	07/19/2011	12:39:18	0.035
155	07/19/2011	12:40:18	0.035
156	07/19/2011	12:41:18	0.041
157	07/19/2011	12:42:18	0.043
158	07/19/2011	12:43:18	0.035
159	07/19/2011	12:44:18	0.037
160	07/19/2011	12:45:18	0.038
161	07/19/2011	12:46:18	0.035
162	07/19/2011	12:47:18	0.035
163	07/19/2011	12:48:18	0.039
164	07/19/2011	12:49:18	0.035
165	07/19/2011	12:50:18	0.036
166	07/19/2011	12:51:18	0.036
167	07/19/2011	12:52:18	0.035
168	07/19/2011	12:53:18	0.035
169	07/19/2011	12:54:18	0.035
170	07/19/2011	12:55:18	0.037
171	07/19/2011	12:56:18	0.036
172	07/19/2011	12:57:18	0.035
173	07/19/2011	12:58:18	0.037
174	07/19/2011	12:59:18	0.036
175	07/19/2011	13:00:18	0.035
176	07/19/2011	13:01:18	0.036
177	07/19/2011	13:02:18	0.036
178	07/19/2011	13:03:18	0.037
179	07/19/2011	13:04:18	0.036
180	07/19/2011	13:05:18	0.037
181	07/19/2011	13:06:18	0.037
182	07/19/2011	13:07:18	0.036
183	07/19/2011	13:08:18	0.036
184	07/19/2011	13:09:18	0.036
185	07/19/2011	13:10:18	0.036
186	07/19/2011	13:11:18	0.036
187	07/19/2011	13:12:18	0.039
188	07/19/2011	13:13:18	0.036
189	07/19/2011	13:14:18	0.035
190	07/19/2011	13:15:18	0.036
191	07/19/2011	13:16:18	0.037
192	07/19/2011	13:17:18	0.036
193	07/19/2011	13:18:18	0.037
194	07/19/2011	13:19:18	0.039
195	07/19/2011	13:20:18	0.038
196	07/19/2011	13:21:18	0.036
197	07/19/2011	13:22:18	0.037
198	07/19/2011	13:23:18	0.037
199	07/19/2011	13:24:18	0.038
200	07/19/2011	13:25:18	0.037
201	07/19/2011	13:26:18	0.038
202	07/19/2011	13:27:18	0.037
203	07/19/2011	13:28:18	0.035
204	07/19/2011	13:29:18	0.037
205	07/19/2011	13:30:18	0.038
206	07/19/2011	13:31:18	0.036
207	07/19/2011	13:32:18	0.038
208	07/19/2011	13:33:18	0.049

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
209	07/19/2011	13:34:18	0.035
210	07/19/2011	13:35:18	0.038
211	07/19/2011	13:36:18	0.036
212	07/19/2011	13:37:18	0.037
213	07/19/2011	13:38:18	0.037
214	07/19/2011	13:39:18	0.035
215	07/19/2011	13:40:18	0.036
216	07/19/2011	13:41:18	0.035
217	07/19/2011	13:42:18	0.038
218	07/19/2011	13:43:18	0.035
219	07/19/2011	13:44:18	0.036
220	07/19/2011	13:45:18	0.037
221	07/19/2011	13:46:18	0.036
222	07/19/2011	13:47:18	0.036
223	07/19/2011	13:48:18	0.038
224	07/19/2011	13:49:18	0.035
225	07/19/2011	13:50:18	0.036
226	07/19/2011	13:51:18	0.038
227	07/19/2011	13:52:18	0.036
228	07/19/2011	13:53:18	0.037
229	07/19/2011	13:54:18	0.036
230	07/19/2011	13:55:18	0.037
231	07/19/2011	13:56:18	0.036
232	07/19/2011	13:57:18	0.036
233	07/19/2011	13:58:18	0.036
234	07/19/2011	13:59:18	0.035
235	07/19/2011	14:00:18	0.034
236	07/19/2011	14:01:18	0.035
237	07/19/2011	14:02:18	0.037
238	07/19/2011	14:03:18	0.036
239	07/19/2011	14:04:18	0.035
240	07/19/2011	14:05:18	0.034
241	07/19/2011	14:06:18	0.035
242	07/19/2011	14:07:18	0.033
243	07/19/2011	14:08:18	0.034
244	07/19/2011	14:09:18	0.036
245	07/19/2011	14:10:18	0.036
246	07/19/2011	14:11:18	0.036
247	07/19/2011	14:12:18	0.035
248	07/19/2011	14:13:18	0.034
249	07/19/2011	14:14:18	0.037
250	07/19/2011	14:15:18	0.035
251	07/19/2011	14:16:18	0.035
252	07/19/2011	14:17:18	0.035
253	07/19/2011	14:18:18	0.037
254	07/19/2011	14:19:18	0.038
255	07/19/2011	14:20:18	0.035
256	07/19/2011	14:21:18	0.038
257	07/19/2011	14:22:18	0.035
258	07/19/2011	14:23:18	0.036
259	07/19/2011	14:24:18	0.036
260	07/19/2011	14:25:18	0.037
261	07/19/2011	14:26:18	0.036
262	07/19/2011	14:27:18	0.036
263	07/19/2011	14:28:18	0.037

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
264	07/19/2011	14:29:18	0.034
265	07/19/2011	14:30:18	0.034
266	07/19/2011	14:31:18	0.035
267	07/19/2011	14:32:18	0.037
268	07/19/2011	14:33:18	0.036
269	07/19/2011	14:34:18	0.035
270	07/19/2011	14:35:18	0.036
271	07/19/2011	14:36:18	0.036
272	07/19/2011	14:37:18	0.035
273	07/19/2011	14:38:18	0.035
274	07/19/2011	14:39:18	0.036
275	07/19/2011	14:40:18	0.034
276	07/19/2011	14:41:18	0.034
277	07/19/2011	14:42:18	0.031
278	07/19/2011	14:43:18	0.031
279	07/19/2011	14:44:18	0.031
280	07/19/2011	14:45:18	0.031
281	07/19/2011	14:46:18	0.033
282	07/19/2011	14:47:18	0.035
283	07/19/2011	14:48:18	0.032
284	07/19/2011	14:49:18	0.034
285	07/19/2011	14:50:18	0.034
286	07/19/2011	14:51:18	0.033
287	07/19/2011	14:52:18	0.034
288	07/19/2011	14:53:18	0.032
289	07/19/2011	14:54:18	0.036
290	07/19/2011	14:55:18	0.032
291	07/19/2011	14:56:18	0.032
292	07/19/2011	14:57:18	0.031
293	07/19/2011	14:58:18	0.031
294	07/19/2011	14:59:18	0.034
295	07/19/2011	15:00:18	0.036
296	07/19/2011	15:01:18	0.034
297	07/19/2011	15:02:18	0.032
298	07/19/2011	15:03:18	0.032
299	07/19/2011	15:04:18	0.032
300	07/19/2011	15:05:18	0.035
301	07/19/2011	15:06:18	0.034
302	07/19/2011	15:07:18	0.033
303	07/19/2011	15:08:18	0.033
304	07/19/2011	15:09:18	0.032
305	07/19/2011	15:10:18	0.033
306	07/19/2011	15:11:18	0.035
307	07/19/2011	15:12:18	0.035
308	07/19/2011	15:13:18	0.033
309	07/19/2011	15:14:18	0.033
310	07/19/2011	15:15:18	0.033
311	07/19/2011	15:16:18	0.036
312	07/19/2011	15:17:18	0.036
313	07/19/2011	15:18:18	0.038
314	07/19/2011	15:19:18	0.038
315	07/19/2011	15:20:18	0.039
316	07/19/2011	15:21:18	0.037
317	07/19/2011	15:22:18	0.038
318	07/19/2011	15:23:18	0.034

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
319	07/19/2011	15:24:18	0.033
320	07/19/2011	15:25:18	0.034
321	07/19/2011	15:26:18	0.034
322	07/19/2011	15:27:18	0.034
323	07/19/2011	15:28:18	0.036
324	07/19/2011	15:29:18	0.034
325	07/19/2011	15:30:18	0.035
326	07/19/2011	15:31:18	0.033
327	07/19/2011	15:32:18	0.032
328	07/19/2011	15:33:18	0.031
329	07/19/2011	15:34:18	0.033
330	07/19/2011	15:35:18	0.032
331	07/19/2011	15:36:18	0.032
332	07/19/2011	15:37:18	0.035
333	07/19/2011	15:38:18	0.032
334	07/19/2011	15:39:18	0.033
335	07/19/2011	15:40:18	0.033
336	07/19/2011	15:41:18	0.035
337	07/19/2011	15:42:18	0.033
338	07/19/2011	15:43:18	0.041
339	07/19/2011	15:44:18	0.035
340	07/19/2011	15:45:18	0.115
341	07/19/2011	15:46:18	0.034
342	07/19/2011	15:47:18	0.036
343	07/19/2011	15:48:18	0.033
344	07/19/2011	15:49:18	0.035
345	07/19/2011	15:50:18	0.038
346	07/19/2011	15:51:18	0.035
347	07/19/2011	15:52:18	0.033
348	07/19/2011	15:53:18	0.035
349	07/19/2011	15:54:18	0.033
350	07/19/2011	15:55:18	0.036
351	07/19/2011	15:56:18	0.036
352	07/19/2011	15:57:18	0.036
353	07/19/2011	15:58:18	0.037
354	07/19/2011	15:59:18	0.034
355	07/19/2011	16:00:18	0.033
356	07/19/2011	16:01:18	0.032
357	07/19/2011	16:02:18	0.037
358	07/19/2011	16:03:18	0.037
359	07/19/2011	16:04:18	0.037
360	07/19/2011	16:05:18	0.037
361	07/19/2011	16:06:18	0.039
362	07/19/2011	16:07:18	0.034
363	07/19/2011	16:08:18	0.037

# Test 011

Instrument		Data Properties	
Model	Dust Trak	Start Date	07/19/2011
Meter S/N	85201065	Start Time	10:02:31
		Stop Date	07/19/2011
		Stop Time	15:37:31
		Total Time	0:05:35:00
		Logging Interval	300 seconds

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
1	07/19/2011	10:07:31	0.025
2	07/19/2011	10:12:31	0.025
3	07/19/2011	10:17:31	0.026
4	07/19/2011	10:22:31	0.025
5	07/19/2011	10:27:31	0.026
6	07/19/2011	10:32:31	0.026
7	07/19/2011	10:37:31	0.026
8	07/19/2011	10:42:31	0.026
9	07/19/2011	10:47:31	0.027
10	07/19/2011	10:52:31	0.026
11	07/19/2011	10:57:31	0.026
12	07/19/2011	11:02:31	0.026
13	07/19/2011	11:07:31	0.026
14	07/19/2011	11:12:31	0.026
15	07/19/2011	11:17:31	0.027
16	07/19/2011	11:22:31	0.024
17	07/19/2011	11:27:31	0.026
18	07/19/2011	11:32:31	0.026
19	07/19/2011	11:37:31	0.026
20	07/19/2011	11:42:31	0.027
21	07/19/2011	11:47:31	0.028
22	07/19/2011	11:52:31	0.029
23	07/19/2011	11:57:31	0.028
24	07/19/2011	12:02:31	0.030
25	07/19/2011	12:07:31	0.029
26	07/19/2011	12:12:31	0.030
27	07/19/2011	12:17:31	0.031
28	07/19/2011	12:22:31	0.030
29	07/19/2011	12:27:31	0.030
30	07/19/2011	12:32:31	0.030
31	07/19/2011	12:37:31	0.031
32	07/19/2011	12:42:31	0.063
33	07/19/2011	12:47:31	0.031
34	07/19/2011	12:52:31	0.031
35	07/19/2011	12:57:31	0.032
36	07/19/2011	13:02:31	0.031
37	07/19/2011	13:07:31	0.032
38	07/19/2011	13:12:31	0.032
39	07/19/2011	13:17:31	0.032
40	07/19/2011	13:22:31	0.032
41	07/19/2011	13:27:31	0.032
42	07/19/2011	13:32:31	0.032
43	07/19/2011	13:37:31	0.032

Test Data			
Data Point	Date	Time	Aerosol mg/m <sup>3</sup>
44	07/19/2011	13:42:31	0.032
45	07/19/2011	13:47:31	0.032
46	07/19/2011	13:52:31	0.031
47	07/19/2011	13:57:31	0.031
48	07/19/2011	14:02:31	0.031
49	07/19/2011	14:07:31	0.035
50	07/19/2011	14:12:31	0.031
51	07/19/2011	14:17:31	0.032
52	07/19/2011	14:22:31	0.032
53	07/19/2011	14:27:31	0.031
54	07/19/2011	14:32:31	0.030
55	07/19/2011	14:37:31	0.031
56	07/19/2011	14:42:31	0.029
57	07/19/2011	14:47:31	0.028
58	07/19/2011	14:52:31	0.029
59	07/19/2011	14:57:31	0.028
60	07/19/2011	15:02:31	0.031
61	07/19/2011	15:07:31	0.030
62	07/19/2011	15:12:31	0.029
63	07/19/2011	15:17:31	0.031
64	07/19/2011	15:22:31	0.033
65	07/19/2011	15:27:31	0.030
66	07/19/2011	15:32:31	0.028
67	07/19/2011	15:37:31	0.028

**Orchard-Whitney Plating Area - City of Rochester  
Community Air Monitoring Daily Log**

Date: 3/26/2012

Site Representative: JMHF      Time: 0730      On-Site: 0730      Off-Site: \_\_\_\_\_  
 Appr. Wind Direction: North      Appr. Wind Speed: 25      On-Site: \_\_\_\_\_      Off-Site: \_\_\_\_\_  
 Weather Conditions: cold, sunny 36°F      On-Site: \_\_\_\_\_      Off-Site: \_\_\_\_\_

Description of Daily Work  
 Tasks: set up decan; grid PA excavation; set up staging area; chimney wash  
 Action Level Exceedance: None      Yes: (description) \_\_\_\_\_

Notes:      Action Level: Downwind particulate level that exceeds the upwind particulate level by 100 ug/m3. If the action level is exceeded, the Site Representative will immediately notify the Site Safety Officer.  
 Action Level: Downwind VOC levels exceed upwind VOC levels. If action level exceeded, the Site Representative will immediately notify the Site Safety Officer implement minor or major emission monitoring.

Time	Particulates (ug/m <sup>3</sup> )			Volatile Organic Compounds (VOCs) (ppm)		
	Upwind	BZ	Downwind	Upwind	BZ	Downwind
0730	FA00086	FA00088	FA0036			
0745	0.002	0.021	0.057			
0800						
0815						
0830						
0845						
0900						
0915	0.003	0.007	0.007			
0930	0.002	0.002	0.003			
0945	0.000	0.000	0.000			
1000	0.000	0.000	0.000			
1015	0.003	0.014	0.023			
1030	0.017	0.040	0.036			
1045	0.025	0.016	0.017			
1100	0.017	0.047	0.029			
1115	0.016	0.024	0.021			
1130	0.016	0.027	0.020			
1145						
1200						
1215						
1230						
1245						
1300						
1315						
1330						
1345						
1400						
1415						
1430						
1445						
1500						
1515						
1530						
1545						
1600						
1615						
1630						

*Begin chimney wash rework drainage* →



**Orchard-Whitney Plating Area - City of Rochester  
Community Air Monitoring Daily Log**

Date: 3/27/12

Site Representative: EFD  
 Appr. Wind Direction: N/NE  
 Weather Conditions: Sunny, 25°

Time  
 On-Site: 715  
 On-Site: \_\_\_\_\_  
 On-Site: \_\_\_\_\_

Off-Site: \_\_\_\_\_  
 Off-Site: \_\_\_\_\_  
 Off-Site: \_\_\_\_\_

**Description of Daily Work**

Tasks: Remove remaining chimney ash/debris, Plating Area dig

Action Level Exceedance: None Yes: (description)  
100 ug/m<sup>3</sup> over background

Notes: Action Level: Downwind particulate level that exceeds the upwind particulate level by 100 ug/m<sup>3</sup>.  
 If the action level is exceeded, the Site Representative will immediately notify the Site Safety Officer.

Action Level: Downwind VOC levels exceed upwind VOC levels. If action level exceeded, the Site Representative will immediately notify the Site Safety Officer implement minor or major emission monitoring.

Time	Particulates (ug/m <sup>3</sup> )			Volatile Organic Compounds (VOCs) (ppm)		
	Upwind	BZ	Downwind	Upwind	BZ	Downwind
0730	<del>FA00086</del>	<del>FA00088</del>	<del>FA00086</del>			
0745	<del>FA00086</del>	<del>FA00088</del>	<del>FA00086</del>			
0800	<del>FA00086</del>	<del>FA00088</del>	<del>FA00086</del>			
0815	<del>FA00086</del>	<del>FA00088</del>	<del>FA00086</del>			
Background 0830	0.002	0.009	0.006			
Begin moving beam mat 0845	0.007	0.008	0.018			
0900	0.010	0.004	0.014			
0915	0.001	0.013	0.017			
0930	0.004	0.011	0.014			
0945	0.003	0.010	0.017			
1000	0.000	0.007	0.012			
1015	0.001	0.011	0.013			
1030	0.000	0.014	0.004			
Stop work 1045	0.000	0.009	0.012			
1100	<del>FA00086</del>	<del>FA00088</del>	<del>FA00086</del>			
1115	<del>FA00086</del>	<del>FA00088</del>	<del>FA00086</del>			
1130	<del>FA00086</del>	<del>FA00088</del>	<del>FA00086</del>			
1145	0.033	0.011	0.035			
break 1200	0.020	0.048	0.001			
1215	<del>FA00086</del>	<del>FA00088</del>	<del>FA00086</del>			
1230	<del>FA00086</del>	<del>FA00088</del>	<del>FA00086</del>			
1245	0.000	0.027	0.000			
1300	<del>FA00086</del>	<del>FA00088</del>	<del>FA00086</del>			
1315	<del>FA00086</del>	<del>FA00088</del>	<del>FA00086</del>			
begin back fill chimney 1330	0.023	0.033	0.033			
1345	0.080	0.068	0.045			
1400	0.027	0.039	0.033			
1415	0.021	0.047	0.031			
backfill completed 1430	0.021	0.031	0.021			
1445						
1500						
1515						
1530						
1545						
1600						
1615						
1630						

Orchard-Whitney Plating Area - City of Rochester

Community Air Monitoring Daily Log

Date: 3/28/2012

Site Representative: JMIF/ED  
 Appr. Wind Direction: → N.E  
 Weather Conditions: cool, 60°F, sunny

Time  
 On-Site: 0730 Off-Site: \_\_\_\_\_  
 On-Site: \_\_\_\_\_ Off-Site: \_\_\_\_\_  
 On-Site: \_\_\_\_\_ Off-Site: \_\_\_\_\_

Description of Daily Work  
 Tasks: begin excav of PA./Break stockpile concrete, stage imp. soil.

Action Level Exceedance: None Yes: (description)

Notes:  
 Action Level: Downwind particulate level that exceeds the upwind particulate level by 100 ug/m3. If the action level is exceeded, the Site Representative will immediately notify the Site Safety Officer.  
 Action Level: Downwind VOC levels exceed upwind VOC levels. If action level exceeded, the Site Representative will immediately notify the Site Safety Officer implement minor or major emission monitoring.

Time	FA00088 Particulates (ug/m <sup>3</sup> ) FA00086			Volatile Organic Compounds (VOCs) (ppm)		
	Upwind	BZ	Downwind	Upwind	BZ	Downwind
0730	BACKGROUND	0.016				
0745	---	---	---			
begin breaking concrete						
0800	---	---	---			
0815	0.014	0.024	0.037			
0830	0.004	0.034	0.026			
0845	0.027	0.053	0.067			
0900	0.027	0.005	0.024			
collect XRF data						
0915	---	---	---			
0930	---	---	---			
0945	---	---	---			
excavating Cd soil	0.009	0.007	0.024			
1000	0.015	0.010	0.034			
1015	---	---	---			
XRF	---	---	---			
1045	---	---	---			
peeling concrete	0.018	0.017	0.024			
1100	0.033	0.049	0.075			
1115	0.019	0.025	0.065			
1130	---	---	---			
XRF	---	---	---			
1145	---	---	---			
Lunch						
1200						
1215						
1230						
1245						
Excavating	0.045	0.059	0.054			
1300	0.019	0.042	0.096			
1315	0.028	0.026	0.033			
1330	0.031	0.036	0.072			
1345	0.030	0.044	0.086			
1400	0.031	0.051	0.075			
1415	0.043	0.065	0.055			
1430	0.044	0.052	0.047			
1445	0.039	0.043	0.051			
1500						
1515						
1530						
1545						
1600						
1615						
1630						

**Orchard-Whitney Plating Area - City of Rochester  
Community Air Monitoring Daily Log**

Date: 3/20/2012

Site Representative:  
Appr. Wind Direction: →  
Weather Conditions:

Jane Forbes  
N-NW  
cool sun 40° F

Appr. Wind Speed: 25

Time  
On-Site: 0730 Off-Site: \_\_\_\_\_  
On-Site: \_\_\_\_\_ Off-Site: \_\_\_\_\_  
On-Site: \_\_\_\_\_ Off-Site: \_\_\_\_\_

Description of Daily Work  
Tasks:

FA 00080

Action Level Exceedance:	None	Yes: (description)
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Notes: <u>soils sloppy &amp; wet from rain</u>	Action Level: Downwind particulate level that exceeds the upwind particulate level by 100 ug/m3. If the action level is exceeded, the Site Representative will immediately notify the Site Safety Officer.	Action Level: Downwind VOC levels exceed upwind VOC levels. If action level exceeded, the Site Representative will immediately notify the Site Safety Officer implement minor or major emission monitoring.
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	Particulates (ug/m <sup>3</sup> )			Volatile Organic Compounds (VOCs) (ppm)		
	Upwind	BZ	Downwind	Upwind	BZ	Downwind
<u>NO visible dust.</u>						
Time 0730						
0745						
0800						
0815						
<u>excavate from shallow hole. Excav. area seal from W. SW. set excav. MMS</u>	0.000	0.000	0.002			
0830						
0845	0.009	0.028	0.012			
0900	0.003	0.015	0.009			
0915	0.003	0.009	0.006			
0930	---	---	---			
0945	---	---	---			
1000	---	---	---			
<u>spray mcluss on sidewalk</u>	---	---	---			
1015	---	---	---			
1030	0.005	0.027	0.026			
1045	0.003	0.022	0.017			
<u>Backfilling shallow area</u>	0.010	0.018	0.009			
1100						
1115	0.010	0.024	0.021			
1130	0.009	0.017	0.027			
1145	0.008	0.028	0.031			
1200	---	---	---			
<u>LUNCH</u>	---	---	---			
1215	---	---	---			
1230	---	---	---			
1245	0.016	0.047	0.028			
1300	0.021	0.059	0.025			
1315	0.019	0.044	0.038			
1330	0.009	0.056	0.041			
1345	0.031	0.063	0.059			
1400	0.030	0.076	0.042			
1415	0.037	0.108	0.072			
1430	0.028	0.073	0.042			
1445						
1500						
1515						
1530						
1545						
1600						
1615						
1630						

Orchard-Whitney Plating Area - City of Rochester

Community Air Monitoring Daily Log

Date: 4/2/2022

Site Representative: JMHF

Appr. Wind Direction: S-SE

Weather Conditions: Fair, 40° sunny

Appr. Wind Speed: 15

Time On-Site: 0730

On-Site: \_\_\_\_\_

On-Site: \_\_\_\_\_

Off-Site: \_\_\_\_\_

Off-Site: \_\_\_\_\_

Off-Site: \_\_\_\_\_

Description of Daily Work

Tasks: peel concrete from Chrom Exc./Exc. Cr<sup>6</sup> soil (Northside)

Action Level Exceedance:

None

Yes: (description)

Notes:

FA00088

Action Level: Downwind particulate level that exceeds the upwind particulate level by 100 ug/m<sup>3</sup>. If the action level is exceeded, the Site Representative will immediately notify the Site Safety Officer.

Action Level: Downwind VOC levels exceed upwind VOC levels. If action level exceeded, the Site Representative will immediately notify the Site Safety Officer implement minor or major emission monitoring.

Time	Particulates (ug/m <sup>3</sup> )			Volatile Organic Compounds (VOCs) (ppm)		
	Upwind	BZ	Downwind	Upwind	BZ	Downwind
0730		0.062				
0745	0.057	0.039	0.078			
0800	0.017	0.030	0.042			
0815	0.029	0.036	0.042			
0830	0.029	0.039	0.040			
0845	0.020	0.029	0.026			
0900	0.022	0.035	0.038			
0915	0.013	0.053	0.048			
0930	0.019	0.040	0.039			
0945	0.050	0.036	0.062			
1000	0.044	0.051	0.047			
1015	0.034	0.050	0.081			
1030	0.029	0.048	0.076			
1045	0.045	0.044	0.045			
1100	0.046	0.056	0.055			
1115	0.021	0.041	0.032			
1130	0.011	0.038	0.039			
1145	0.047	0.045	0.057			
1200						
1215						
1230						
1245						
1300	---	---	---			
1315	---	---	---			
1330	0.051	0.069	0.071			
1345	0.056	0.107	0.088			
1400	---	---	---			
1415	---	---	---			
1430	---	---	---			
1445	---	---	---			
1500	---	---	---			
1515						
1530						
1545						
1600						
1615						
1630						

Peeling concrete

EX - 0-2'

EX. 2-4'

Exc. 4-6'

LUNCH

MIX MASSES

XRF 2-4'; 4-6'

EXC. 4-6'

SPRAY MASSES

SETTING WELL

COVER SOIL

PILES

Orchard-Whitney Plating Area - City of Rochester

Community Air Monitoring Daily Log

Date: 4/3/2012

Site Representative: JMH

Appr. Wind Direction: \_\_\_\_\_

Weather Conditions: \_\_\_\_\_

Appr. Wind Speed: LS

Time  
On-Site: 0730

On-Site: \_\_\_\_\_

On-Site: \_\_\_\_\_

Off-Site: \_\_\_\_\_

Off-Site: \_\_\_\_\_

Off-Site: \_\_\_\_\_

Description of Daily Work

Tasks: \_\_\_\_\_

Action Level Exceedance:

None

Yes: (description)

Notes:

FA00086

Action Level: Downwind particulate level that exceeds the upwind particulate level by 100 ug/m<sup>3</sup>.

If the action level is exceeded, the Site Representative will immediately notify the Site Safety Officer.

Action Level: Downwind VOC levels exceed upwind VOC levels. If action level exceeded, the Site Representative will immediately notify the Site Safety Officer implement minor or major emission monitoring.

	Particulates (ug/m <sup>3</sup> )			Volatile Organic Compounds (VOCs) (ppm)		
	Upwind	BZ	Downwind	Upwind	BZ	Downwind
Time 0730		0.003				
Time 0745						
Time 0800						
Time 0815	0.003	0.003	0.003			
Time 0830	0.003	0.018	0.014			
Time 0845	0.010	0.042	0.016			
Time 0900	0.001	0.047	0.018			
Time 0915	0.002	0.053	0.051			
Time 0930	0.011	0.026	0.033			
Time 0945	0.005	0.031	0.029			
Time 1000	0.008	0.017	0.019			
Time 1015	0.010	0.014	0.013			
Time 1030	0.002	0.011	0.011			
Time 1045	0.007	0.021	0.032			
Time 1100	0.002	0.007	0.019			
Time 1115	0.003	0.005	0.011			
Time 1130	0.005	0.004	0.021			
Time 1145	0.007	0.012	0.038			
Time 1200	---	---	---			
Time 1215	---	---	---			
Time 1230	---	---	---			
Time 1245	0.001	0.009	0.006			
Time 1300	0.009	0.011	0.019			
Time 1315	0.000	0.004	0.010			
Time 1330	0.002	0.010	0.008			
Time 1345	0.001	0.012	0.002			
Time 1400						
Time 1415						
Time 1430						
Time 1445						
Time 1500						
Time 1515						
Time 1530						
Time 1545						
Time 1600						
Time 1615						
Time 1630						

Time 0730  
Time 0745  
Time 0800  
Time 0815  
Time 0830  
Time 0845  
Time 0900  
Time 0915  
Time 0930  
Time 0945  
Time 1000  
Time 1015  
Time 1030  
Time 1045  
Time 1100  
Time 1115  
Time 1130  
Time 1145  
Time 1200  
Time 1215  
Time 1230  
Time 1245  
Time 1300  
Time 1315  
Time 1330  
Time 1345  
Time 1400  
Time 1415  
Time 1430  
Time 1445  
Time 1500  
Time 1515  
Time 1530  
Time 1545  
Time 1600  
Time 1615  
Time 1630

stop

LUNCH

**Orchard-Whitney Plating Area - City of Rochester  
Community Air Monitoring Daily Log**

Date: 4/4/2012

Site Representative: JMHE

Appr. Wind Direction: → N-NE

Weather Conditions: sunny, fair 50°F

Appr. Wind Speed: 5

Time  
On-Site: 0730

On-Site: \_\_\_\_\_

On-Site: \_\_\_\_\_

Off-Site: \_\_\_\_\_

Off-Site: \_\_\_\_\_

Off-Site: \_\_\_\_\_

Description of Daily Work site becomes v. windy @ ~1:30pm High Dust across site  
Tasks: Calm in work area

Action Level Exceedance: None Yes: (description) Dust exceedance due to site wide dust and berm not work area. (work area sloppier)

Notes: FA00086  
Action Level: Downwind particulate level that exceeds the upwind particulate level by 100 ug/m<sup>3</sup>. If the action level is exceeded, the Site Representative will immediately notify the Site Safety Officer.  
Action Level: Downwind VOC levels exceed upwind VOC levels. If action level exceeded, the Site Representative will immediately notify the Site Safety Officer implement minor or major emission monitoring.

Time	Particulates (ug/m <sup>3</sup> )			Volatile Organic Compounds (VOCs) (ppm)		
	Upwind	BZ	Downwind	Upwind	BZ	Downwind
0730						
0745						
<u>SPRAYING MOLASSES</u> 0800	0.004	0.014	0.026			
0815	0.002	0.010	0.023			
<u>Backfill "Castle"</u> 0830	0.004	0.009	0.017			
<u>Exc. PA-13 for Petrol</u> 0845	0.009	0.030	0.047			
0900	0.007	0.019	0.052			
0915	0.026	0.038	0.041			
0930	0.029	0.060	0.038			
0945	0.021	0.052	0.040			
1000	0.022	0.021	0.019			
1015	0.013	0.026	0.012			
<u>Spray Molasses</u> 1030	—	—	—			
1045	—	—	—			
1100	0.042	0.110	0.094			
<u>Dig Hydraulic Pit. Backfill</u> 1115	0.037	0.089	0.075			
<u>Stone</u> 1130	0.061	0.072	0.077			
<u>Stone</u> 1145	—	—	—			
<u>Backfill w/ Stone; set wells. Backfill from suitable fill soil</u> 1200	—	—	—			
1215	—	—	—			
1230	0.027	0.128	0.065			
1245	0.018	0.081	0.046			
1300	0.017	0.029	0.018			
1315	0.009	0.022	0.020			
1330	0.010	0.045	0.026			
1345	0.089	0.067	0.167			
1400	0.158	0.063	0.255			
1415	0.331	0.367	0.457			
1430	0.048	0.033	0.036			
1445	0.051	0.063	0.077			
1500						
1515						
1530						
1545						
1600						
1615						
1630						

Orchard-Whitney Plating Area - City of Rochester

Community Air Monitoring Daily Log

Date: 4/5/2012

Site Representative: JMHE  
 Appr. Wind Direction: → SW  
 Weather Conditions: Cloud, 40°

Time  
 On-Site: 0730 Off-Site: \_\_\_\_\_  
 On-Site: \_\_\_\_\_ Off-Site: \_\_\_\_\_  
 On-Site: \_\_\_\_\_ Off-Site: \_\_\_\_\_

Description of Daily Work Tasks: backfill PA excavation w/ soil + berm material

Action Level Exceedance: None Yes: (description)

Notes: FA00088  
 Action Level: Downwind particulate level that exceeds the upwind particulate level by 100 ug/m<sup>3</sup>. If the action level is exceeded, the Site Representative will immediately notify the Site Safety Officer.  
 Action Level: Downwind VOC levels exceed upwind VOC levels. If action level exceeded, the Site Representative will immediately notify the Site Safety Officer implement minor or major emission monitoring.

Time	Particulates (ug/m <sup>3</sup> )			Volatile Organic Compounds (VOCs) (ppm)		
	Upwind	BZ	Downwind	Upwind	BZ	Downwind
0730						
0745	<u>initial backfill</u>	<u>0.033</u>				
0800						
0815	<u>moving backfill</u>	<u>0.033</u>	<u>0.031</u>	<u>0.048</u>		
0830		<u>0.031</u>	<u>0.032</u>	<u>0.044</u>		
0845		<u>0.040</u>	<u>0.036</u>	<u>0.047</u>		
0900		<u>0.032</u>	<u>0.037</u>	<u>0.041</u>		
0915	<u>Backfilling</u>	<u>0.077</u>	<u>0.081</u>	<u>0.074</u>		
0930	<u>DUST</u>	<u>0.044</u>	<u>0.051</u>	<u>0.048</u>		
0945	<u>(FRESH WORKING)</u>	<u>0.039</u>	<u>0.034</u>	<u>0.035</u>		
1000	<u>ACROSS WHITNEY ST. BERM)</u>	<u>0.035</u>	<u>0.048</u>	<u>0.035</u>		
1015	<u>covering piles</u>	<u>0.034</u>	<u>0.041</u>	<u>0.038</u>		
1030		<u>—</u>	<u>—</u>	<u>—</u>		
1045		<u>—</u>	<u>—</u>	<u>—</u>		
1100	<u>Backfilling</u>	<u>0.052</u>	<u>0.044</u>	<u>0.036</u>		
1115		<u>0.102</u>	<u>0.097</u>	<u>0.085</u>		
1130		<u>0.131</u>	<u>0.188</u>	<u>0.183</u>		
1145	<u>Lunch</u>	<u>—</u>	<u>—</u>	<u>—</u>		
1200		<u>—</u>	<u>—</u>	<u>—</u>		
1215		<u>—</u>	<u>—</u>	<u>—</u>		
1230		<u>0.036</u>	<u>0.053</u>	<u>0.081</u>		
1245		<u>0.047</u>	<u>0.049</u>	<u>0.074</u>		
1300		<u>0.052</u>	<u>0.088</u>	<u>0.107</u>		
1315		<u>0.053</u>	<u>0.081</u>	<u>0.057</u>		
1330		<u>0.075</u>	<u>0.084</u>	<u>0.059</u>		
1345		<u>0.069</u>	<u>0.073</u>	<u>0.096</u>		
1400		<u>0.056</u>	<u>0.053</u>	<u>0.060</u>		
1415		<u>0.071</u>	<u>0.083</u>	<u>0.077</u>		
1430		<u>0.038</u>	<u>0.047</u>	<u>0.073</u>		
1445		<u>0.054</u>	<u>0.051</u>	<u>0.067</u>		
1500		<u>0.062</u>	<u>0.066</u>	<u>0.081</u>		
1515		<u>0.087</u>	<u>0.079</u>	<u>0.096</u>		
1530	<u>STEP →</u>					
1545						
1600						
1615						
1630						

**Orchard-Whitney Plating Area - City of Rochester  
Community Air Monitoring Daily Log**

Date: 4/6/12

Site Representative: ED  
 Appr. Wind Direction: NE  
 Weather Conditions: Sunny, 35°

Time  
 On-Site: 7:15      Off-Site: 3:30  
 On-Site: \_\_\_\_\_      Off-Site: \_\_\_\_\_  
 On-Site: \_\_\_\_\_      Off-Site: \_\_\_\_\_

Description of Daily Work  
 Tasks: Loading/Disposal of contaminated soil

Action Level Exceedance:      None      Yes: (description)

Notes:  
FA00088

Action Level: Downwind particulate level that exceeds the upwind particulate level by 100 ug/m<sup>3</sup>.  
 If the action level is exceeded, the Site Representative will immediately notify the Site Safety Officer.

Action Level: Downwind VOC levels exceed upwind VOC levels. If action level exceeded, the Site Representative will immediately notify the Site Safety Officer implement minor or major emission monitoring.

	Particulates (ug/m <sup>3</sup> )			Volatile Organic Compounds (VOCs) (ppm)		
	Upwind	BZ	Downwind	Upwind	BZ	Downwind
Time 0730	BACKGROUND = 0.053					
LOADING TRUCKS 0745	0.047	0.051	0.043			
MOVING SOIL PILES 0800	0.058	0.057	0.061			
0815	0.049	0.043	0.037			
0830	0.061	0.077	0.039			
0845	0.055	0.051	0.073			
* visible dust generated on slab, not from soil landing or moving but from wind gusts 0900	0.050	0.043	0.057			
0915	0.001	0.018	0.031			
0930	0.013	0.029	0.035			
0945	0.007	0.013	0.041			
1000	0.014	0.023	0.018			
1015	0.011	0.031	0.033			
1030	0.021	0.017	0.022			
1045	0.003	0.007	0.005			
1100	0.005	0.011	0.012			
1115	0.009	0.015	0.021			
1130	0.013	0.018	0.011			
1145	0.031	0.043	0.037			
lunch (STOP) 1200	0.024	0.031	0.041			
(BACKGROUND) 1215	0.019	0.013	0.009			
START 1230	0.014	0.017	0.031			
1245	0.035	0.031	0.047			
1300	0.017	0.014	0.020			
1315	0.031	0.038	0.033			
1330	0.019	0.011	0.014			
1345	0.033	0.024	0.027			
1400	0.017	0.022	0.041			
STOP WORK → 1415						
1430						
1445						
1500						
1515						
1530						
1545						
1600						
1615						
1630						



ORCHARD/WHITNEY SOIL LOADING

4/16/12 overcast, 65° (730)

WILL/MIKE Optech

- 700 Optech on site
- 715 Lu on site; Ricelli 10-wheeler w/ tandem trailer on site for non-haz. soil
- 730 Bobcat mini-excavator w/ hoe ram attachment on site for breaking up concrete footer (chrom.); Optech loads out truck
- 750 Ricelli truck leaves site (337 tons non-haz.); Optech moves Cr<sup>6</sup> concrete stages on slab next to haz. pile; begins breaking up concrete footer

DUST MONITORING

		<u>UPWIND</u>	<u>BZ</u>	<u>DOWNSWIND</u>	<u>PID</u>
NH Soil loading	730	BACKGROUND = 0.030 mg/m <sup>3</sup>			
	730	0.027	0.031	0.061	0
Breaking concrete	745	0.031	0.021	0.083	2.7
	800	0.019	0.024	0.047	0
	815	0.025	0.033	0.051	0
	830	0.031	0.027	0.061	0
finish concrete	845	0.024	0.029	0.034	0
	930	0.023	0.035	0.053	0
NH Soil loading	945	0.029	0.041	0.037	4.7
	1000	0.034	0.053	0.077	7.1
LOADING HAZ. SOIL	1045	0.030	0.026	0.041	0
	1100	0.018	0.024	0.045	0.8
	1115	0.017	0.021	0.028	0
TEST PIT	145	0.021	0.023	0.037	
	200	0.016	0.020	0.029	
	215	0.028	0.027	0.039	
	230	0.023	0.033	0.043	
	245	0.029	0.031	0.037	
	300	0.032	0.040	0.039	
	315	0.027	0.033	0.045	

DONE (NO SOIL MOVEMENT)

Exchange Structure

8<sup>45</sup> Done breaking concrete (backhoe  $\frac{1}{2}$  hoe ram); Jane F. on site

9<sup>00</sup> Optech drains purge water drums onto haz. soil pile

(1x 30 gal  $\frac{1}{2}$ , 1x 15 gal, 1x 35 gal)

9<sup>12</sup> Bobcat picks up hoe ram (rental) excavator  $\frac{1}{2}$  leaves site

9<sup>23</sup> Ricelli truck returns to site for non-haz load out, loads out  $\frac{1}{2}$

9<sup>50</sup> leaves; tiny bit (500 lbs+) of Non haz soil remains ... add to haz. pile

10<sup>00</sup> Haz. trucks arrive (2x trailer - 8 wheels) from Page E.T.C. Inc.

11<sup>10</sup> First truck is loaded, tarped and leaves site; load 2<sup>nd</sup> truck

~~add~~ add 2 crocks/soil from drum onto haz. pile for disposal; all

purge/development water from plating area has been added to haz. soil

11<sup>45</sup> 2<sup>nd</sup> truck of haz leaves site (tarped); Optech changes

bucket on excavator for final test pitting

12<sup>30</sup> lunch

1<sup>00</sup> Optech sends Will to shop w/ trailer of empty totes, equip

2<sup>15</sup>; 1<sup>st</sup> Haz. truck returns to site; was 6,000 lbs overweight

begin test pit 7B headed south from TP-7; excavate monitoring well

approx. 30' south, 10-12' west of mw 20; TP 7B extends to within

12-15' of tunnel wall, still impacted from 4' to 7-8' (grey)

Optech stages 2x 275 gal chimney water totes on trailer; 55 gal drum;

backfills TP 7B

Optech/hu offsite, site secure

**Appendix D**  
**Waste Disposal Documentation (CD only)**

---



## **UST WASTE FLUIDS**

**NON-HAZARDOUS  
WASTE MANIFEST**

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1  
of 1

050411

3. Generator's Name and Mailing Address

City of Rochester  
Orchard / Whitney St  
Rochester, NY

4. Generator's Phone

5. Transporter 1 Company Name

E.G.G.A.N Environmental

6. US EPA ID Number

NYR000001973

A. Transporter's Phone

315-339-1000

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Industrial Oil Tank Service  
Dry Rd  
Oriskany, NY

10. US EPA ID Number

C. Facility's Phone

11. Waste Shipping Name and Description

a. Non RCRA Regulated liquid (used oil)  
hazard class 3, PG 11, UN 1223, combustible liquid

12. Containers

No. Type

13. Total Quantity

14. Unit Wt/Vol

1 TT 6850 G

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Steve Shumaker, As Agent For Owner

Signature

[Signature]

Month Day Year

05 04 11

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Randle C. Jones

Signature

[Signature]

Month Day Year

5 4 11

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Brett D. Field

Signature

[Signature]

Month Day Year

05 04 11

GENERATOR

TRANSPORTER

FACILITY

TRANSPORTER #1

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1 of 1

05-05-11-8

3. Generator's Name and Mailing Address

City of Rochester  
Orchard & Whitney  
Rochester, NY

4. Generator's Phone ( )

5. Transporter 1 Company Name

Egan Environmental Service

6. US EPA ID Number

A. Transporter's Phone

315-539-1947

7. Transporter 2 Company Name

8.

US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Industrial oil tank service  
Dr. R2  
Westbury, NY

10.

US EPA ID Number

C. Facility's Phone

11. Waste Shipping Name and Description

12. Containers

13. Total Quantity

14. Unit Wt/Vol

a. Non RCRA regulated liquid (used oil)  
#3, OGM UN1223, combustible liquid

No.

Type

1 11 6000 L

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Steve Stukowski on behalf of owner

Signature

[Signature]

Month Day Year

05 05 11

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Randle C. Jones

Signature

[Signature]

Month Day Year

05 05 11

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Brett D. Field

Signature

[Signature]

Month Day Year

05 05 11

GENERATOR

TRANSPORTER

FACILITY

CR?

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator's US EPA ID No.

Manifest Doc. No.

2. Page 1 of

050511-1

3. Generator's Name and Mailing Address

City of Rochester  
Orchard / Whitney St  
Rochester, NY

4. Generator's Phone ( )

5. Transporter 1 Company Name

Egan Environmental Services

6.

US EPA ID Number

NY R-000006973

A. Transporter's Phone

315-339-1847

7. Transporter 2 Company Name

8.

US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Industrial oil tank service  
Dry Rd  
Oriskany NY

10.

US EPA ID Number

C. Facility's Phone

11. Waste Shipping Name and Description

12. Containers

No.

Type

13. Total Quantity

14. Unit Wt/Vol

a. Gasoline mixture, vapor & chem 3, PG II  
UN 1203, Flammable liquid

1 TT 1175 G

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Steve Sporkmeder As Agent for owner

Signature

[Signature]

Month Day Year

05 05 11

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Douglas E Egan

Signature

[Signature]

Month Day Year

05 05 11

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

FRANK WENZ

Signature

[Signature]

Month Day Year

05 05 11

GENERATOR

TRANSPORTER

FACILITY

TRANSPORTER #1

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number

**NYR000158204**

2. Page 1 of

**1**

3. Emergency Response Phone

**585.436.5660**

4. Waste Tracking Number

**11-0213**

5. Generator's Name and Mailing Address

**CITY OF ROCHESTER  
30 CHURCH ST., ROOM 300B  
ROCHESTER NY 14614**

**Att: ANNE SPAULDING**

Generator's Site Address (if different than mailing address)

**CITY OF ROCHESTER  
354 WHITNEY ST. @ ORCHARD ST.  
ROCHESTER NY 14606**

Generator's Phone: **585 428.7474**

6. Transporter 1 Company Name

**NEW YORK ENVIRONMENTAL TECHNOLOGIES, INC.**

U.S. EPA ID Number

**NYD986983229**

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

**ENVIRONMENTAL & INDUSTRIAL CONTRACTING  
8335 QUARRY RD  
NIAGARA FALLS NY 14304**

U.S. EPA ID Number

Facility's Phone: **716 298.8876**

9. Waste Shipping Name and Description

**1. NON RCRA NON DOT LIQUIDS, NOS (OILY WATER)**

10. Containers

No.

Type

11. Total Quantity

12. Unit WL/Vol.

**001**

**TT**

**DRN  
900  
~~00500~~**

**G**

**1110  
L**

13. Special Handling Instructions and Additional Information

a. **profile # 110506A (Trec)**

**Job #R4696 / PO# Bill Trec**

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Officer's Printed/Typed Name

**Steve Starkman As Agent For Owner**

Signature

*[Signature]*

Month Day Year

**05 06 11**

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Transporter Signature (for exports only):

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

**Dana R Nowack**

Signature

*[Signature]*

Month Day Year

**5 6 11**

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

**Eric**

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a

Printed/Typed Name

**Linda Faust**

Signature

*[Signature]*

Month Day Year

**05 09 11**

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY



**NON-HAZARDOUS  
WASTE MANIFEST**

1. Generator ID Number

2. Page 1 of 1

3. Emergency Response Phone

4. Waste Tracking Number

585-436-5660

11-0233

5. Generator's Name and Mailing Address

City of Rochester  
415 Orchard St  
Rochester NY

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

New York Environmental Technologies, Inc

U.S. EPA ID Number

NYD986983229

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Industrial Oil Tank Service corp  
120 dry rd  
Oriskany NY 13424

U.S. EPA ID Number

Facility's Phone: 315-736-6080

9. Waste Shipping Name and Description

1. Non RCRA non DOT liquids, nos, water

10. Containers

No.

Type

11. Total Quantity

12. Unit Wt./Vol.

001

TT

2703

6

13. Special Handling Instructions and Additional Information

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Officer's Printed/Typed Name

Steve Stockmaster As Agent for amv

Signature

[Signature]

Month Day Year  
5 16 11

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Kevin Mikel

Signature

[Signature]

Month Day Year  
5 16 11

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

**UST NON-HAZARDOUS SAND BEDDING MANIFESTS**



Mill Seat Landfill  
 303 Brew Rd.  
 Bergen, NY, 14416  
 Ph: (585) 494-3000

Original  
 Ticket# 643319

Customer Name: TRECENVIRONMENTAL-107745NY TR Carrier: SIL SILVAROLE TRUCKING, INC.  
 Ticket Date: 05/19/2011 Vehicle#: D105 Volume  
 Payment Type: Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route: 75000 Billing #: 0001199  
 State Waste Code: Gen EPA ID: NOT REQUIRED  
 Manifest: \* Grid: T15  
 Destination: PG  
 Profile: 107745NY (NON HAZARDOUS SOIL)  
 Generator: 190-ROCHESTERCTYORCHARDST CITY OF ROCHESTER

	Time	Scale	Operator	Inbound	Gross	71560 lb
In	05/19/2011 08:08:59	Scale1	KKINGS		Tare	26780 lb
Out	05/19/2011 08:08:59		KKINGS		Net	44780 lb
					Tons	22.39

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC-	100	22.39	Tons				MON
2 FUEL-Fuel Surcharg	100		%				MON
3 EVF-P-Standard Env	100		%				MON

Total Tax  
 Total Ticket

Driver's Signature \_\_\_\_\_



**NON-HAZARDOUS  
WASTE MANIFEST**

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

City of Rochester  
30 Church Street  
Rochester, NY

Generator's Site Address (if different than mailing address)

415 Orchard Street  
Rochester, NY Monroe

Generator's Phone: 585-428-7474

6. Transporter 1 Company Name

Silvarole Trucking

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Waste Management - Mill Seat Landfill  
303 Brew Road  
Bergen, NY 14416

U.S. EPA ID Number

Facility's Phone: 585-424-3000

9. Waste Shipping Name and Description

1. Non-Hazardous Soil

10. Containers

No.

Type

11. Total  
Quantity

12. Unit  
Wt./Vol.

1

DT

22

T

13. Special Handling Instructions and Additional Information

Profile # 107745NY

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Officer's Printed/Typed Name

Eric Detweiler Lu Engineers

Signature

Eric Detweiler

Month Day Year

5 19 11

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

STEPHEN DENNY

Signature

Stephen Denny

Month Day Year

5 19 11

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Kim Keng

Signature

Kim Keng

Month Day Year

5 19 11



Mill Seat Landfill  
 303 Brew Rd.  
 Bergen, NY, 14416  
 Ph: (585) 494-3000

Original  
 Ticket# 643321

Customer Name TRECENVIRONMENTAL-107745NY TR Carrier SIL SILVAROLE TRUCKING, INC.  
 Ticket Date 05/19/2011 Vehicle# D103 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route 75000 Billing # 0001199  
 State Waste Code Gen EPA ID NOT REQUIRED  
 Manifest \*  
 Destination Grid T15  
 PO  
 Profile 107745NY (NON HAZARDOUS SOIL)  
 Generator 190-ROCHESTERCTYORCHARDST CITY OF ROCHESTER

	Time	Scale	Operator	Inbound	Gross	63680 lb
In	05/19/2011 08:16:56	Scale1	KKING5		Tare	26440 lb
Out	05/19/2011 08:16:56		KKING5		Net	37240 lb
					Tons	18.62

Comments

Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC-	100	18.62	Tons				MON
2 FUEL-Fuel Surcharg	100		%				MON
3 EVF-P-Standard Env	100		%				MON

Total Tax  
 Total Ticket

Driver's Signature \_\_\_\_\_



**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

City of Rochester  
30 Church Street  
Rochester, NY

Generator's Site Address (if different than mailing address)

415 Orchard Street  
Rochester, NY Monroe

Generator's Phone: 585-428-7474

6. Transporter 1 Company Name

Silvarole Trucking

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Waste Management - Mill Seat Landfill  
303 Brew Road  
Bergen, NY 14416

U.S. EPA ID Number

Facility's Phone: 585-494-3000

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

No.

Type

1. Non-Hazardous Soil

1

DT

22

T

2.

3.

4.

13. Special Handling Instructions and Additional Information

Profile # 107745NY

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offor's Printed/Typed Name

Eric Detweiler Lu Engineers

Signature

*Eric Detweiler*

Month Day Year

5 | 19 | 11

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

TOM ALLEN

Signature

*Tom Allen*

Month Day Year

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

U.S. EPA ID Number

17b. Alternate Facility (or Generator)

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Ken Berg

Signature

*Ken Berg*

Month Day Year

5 | 19 | 11

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY



Mill Seat Landfill  
 303 Brew Rd.  
 Bergen, NY, 14416  
 Ph: (585) 494-3000

Original  
 Ticket# 643348

Customer Name TRECENVIRONMENTAL-107745NY TR Carrier SIL SILVAROLE TRUCKING, INC.  
 Ticket Date 05/19/2011 Vehicle# D105 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route 75000 Billing # 0001199  
 State Waste Code Gen EPA ID NOT REQUIRED  
 Manifest \* Grid T15  
 Destination  
 PO  
 Profile 107745NY (NON HAZARDOUS SOIL)  
 Generator 190-ROCHESTERCTYORCHARDST CITY OF ROCHESTER

In	Time	Scale	Operator	Inbound	Gross	80280 lb
In	05/19/2011 09:28:08	Scale1	KKINGS		Tare	26780 lb
Out	05/19/2011 09:28:08		KKINGS		Net	53500 lb
					Tons	26.75

Comments This vehicle was over the legal weight limit .

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC-	100	26.75	Tons				MON
2 FUEL-Fuel Surcharg	100		%				MON
3 EVF-P-Standard Env	100		%				MON

Total Tax  
 Total Ticket

Driver's Signature \_\_\_\_\_



**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

City of Rochester  
30 Church Street  
Rochester, NY

Generator's Site Address (if different than mailing address)

415 Orchard Street  
Rochester, NY Monroe

Generator's Phone: 585-426-7474

6. Transporter 1 Company Name

Slivarole Trucking

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Waste Management - Mini Seal Landfill  
303 Brew Road  
Bergen, NY 14416

U.S. EPA ID Number

Facility's Phone: 585-494-3000

9. Waste Shipping Name and Description

1. Non-Hazardous Soil

10. Containers

No.

Type

11. Total Quantity

12. Unit Wt./Vol.

1

DT

22

T

13. Special Handling Instructions and Additional Information

Profile # 107745NY

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Officer's Printed/Typed Name

Signature

Month Day Year

*Eric DePaul Lu Engineers*

*Eric DePaul*

5 19 11

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

*Stephen Deary*

*Stephen Deary*

5 19 11

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

*Ken Berg*

*Ken Berg*

5 19 11

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY





Mill Seat Landfill  
 303 Brew Rd.  
 Bergen, NY, 14416  
 Ph: (585) 494-3000

Original  
 Ticket# 643354

Customer Name TRECENVIRONMENTAL-107745NY TR Carrier SIL SILVAROLE TRUCKING, INC.  
 Ticket Date 05/19/2011 Vehicle# D103 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route 75000 Billing # 0001199  
 State Waste Code Gen EPA ID NOT REQUIRED  
 Manifest \* Grid T15  
 Destination  
 PO  
 Profile 107745NY (NON HAZARDOUS SOIL)  
 Generator 190-ROCHESTERCTYORCHARDST CITY OF ROCHESTER

In	Time	Scale	Operator	Inbound	Gross	70940 lb
In	05/19/2011 09:37:49	Scale1	KKING5		Tare	26440 lb
Out	05/19/2011 09:37:49		KKING5		Net	44500 lb
					Tons	22.25

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC-	100	22.25	Tons				MON
2 FUEL-Fuel Surcharg	100		%				MON
3 EVF-P-Standard Env	100		%				MON

Total Tax  
 Total Ticket

Driver's Signature \_\_\_\_\_



**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

City of Rochester  
30 Church Street  
Rochester, NY

Generator's Site Address (if different than mailing address)

415 Orchard Street  
Rochester, NY Monroe

Generator's Phone: 585-426-7474

6. Transporter 1 Company Name

Silvarole Trucking

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Waste Management Mill Seal Landfill  
303 Brew Road  
Bergen, NY 14416

U.S. EPA ID Number

Facility's Phone: 585-494-3000

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

No.

Type

1. Non-Hazardous Soil

1

DT

22

T

2.

3.

4.

13. Special Handling Instructions and Additional Information

Profile # 107745NY

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Officer's Printed/Typed Name

Eric Detweiler Lw Engineers

Signature

*Eric Detweiler*

Month Day Year

5 19 11

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/extl:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

TAM ALLEN

Signature

*Thomas Allen*

Month Day Year

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Kim King

Signature

*Kim King*

Month Day Year

5 19 11

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY



Mill Seat Landfill  
 303 Brew Rd.  
 Bergen, NY, 14416  
 Ph: (585) 494-3000

Original  
 Ticket# 643376

Customer Name TRECENVIRONMENTAL-107745NY TR Carrier SIL SILVAROLE TRUCKING, INC.  
 Ticket Date 05/19/2011 Vehicle# D105 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route 75000 Billing # 0001199  
 State Waste Code Gen EPA ID NOT REQUIRED  
 Manifest \*  
 Destination Grid T15  
 PO  
 Profile 107745NY (NON HAZARDOUS SOIL)  
 Generator 190-ROCHESTERCTYORCHARDST CITY OF ROCHESTER

In	Time	Scale	Operator	Inbound	Gross	91320 lb
	05/19/2011 10:47:09	Scale1	KKINGS		Tare	26780 lb*
Out	05/19/2011 10:47:51	Scale2	KKINGS		Net	64540 lb
			* Manual Weight		Tons	32.27

Comments This vehicle was over the legal weight limit .

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	32.27	Tons			MDN
2	FUEL-Fuel Surcharg	100	%				
3	EVF-P-Standard Env	100	%				

Total Tax  
 Total Ticket

Driver's Signature \_\_\_\_\_



<b>NON-HAZARDOUS WASTE MANIFEST</b>	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number			
5. Generator's Name and Mailing Address City of Rochester 30 Church Street Rochester, NY		Generator's Site Address (if different than mailing address) 415 Orchard Street Rochester, NY Monroe					
Generator's Phone: 585-428-7474							
6. Transporter 1 Company Name Silvarois Trucking			U.S. EPA ID Number				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address Waste Management Mill Seal Landfill 303 Brew Road Bergen, NY 14415			U.S. EPA ID Number				
Facility's Phone: 585-494-3000							
GENERATOR	9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.	
			No.	Type			
	1. Non-Hazardous Soil		1	DT	22	T	
	2.						
	3.						
4.							
13. Special Handling Instructions and Additional Information Profile # 107745NY							
14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.							
Generator's/Offor's Printed/Typed Name Eric Detweiler Lu Engineers			Signature <i>Eric Detweiler</i>		Month 5	Day 19	Year 11
15. International Shipments <input type="checkbox"/> Import from U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
16. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name STEPHEN DENNY			Signature <i>Stephen Denny</i>		Month 5	Day 19	Year 11
Transporter 2 Printed/Typed Name			Signature		Month	Day	Year
17. Discrepancy							
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number: _____							
17b. Alternate Facility (or Generator)					U.S. EPA ID Number		
Facility's Phone: _____							
17c. Signature of Alternate Facility (or Generator)					Month	Day	Year
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a							
Printed/Typed Name Glen Berg			Signature <i>Glen Berg</i>		Month 5	Day 19	Year 11



Mill Seat Landfill  
 303 Brew Rd.  
 Bergen, NY, 14416  
 Ph: (585) 494-3000

Original  
 Ticket# 643386

Customer Name TRECENVIRONMENTAL-107745NY TR Carrier SIL SILVAROLE TRUCKING, INC.  
 Ticket Date 05/19/2011 Vehicle# D103 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route 75000 Billing # 0001199  
 State Waste Code Gen EPA ID NOT REQUIRED  
 Manifest \*  
 Destination Grid T15  
 PO  
 Profile 107745NY (NON HAZARDOUS SOIL)  
 Generator 190-ROCHESTERCTYORCHARDST CITY OF ROCHESTER

	Time	Scale	Operator	Inbound	Gross	70020 lb
In	05/19/2011 11:08:52	Scale1	KKINGS		Tare	26440 lb
Out	05/19/2011 11:08:52		KKINGS		Net	43580 lb
					Tons	21.79

Comments

Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-R6C-	100	21.79	Tons				MON
2 FUEL-Fuel Surcharg	100		%				MON
3 EVF-P-Standard Env	100		%				MON

Total Tax  
 Total Ticket

Driver's Signature \_\_\_\_\_



**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number      2. Page 1 of      3. Emergency Response Phone      4. Waste Tracking Number

5. Generator's Name and Mailing Address  
 City of Rochester  
 30 Church Street  
 Rochester, NY

Generator's Site Address (if different than mailing address)  
 415 Orchard Street  
 Rochester, NY Monroe

Generator's Phone: 585-428-7474

6. Transporter 1 Company Name: Silvarois Trucking      U.S. EPA ID Number

7. Transporter 2 Company Name      U.S. EPA ID Number

8. Designated Facility Name and Site Address: 303 Brew Road, Bergen, NY 14415  
 Facility's Phone: 585-494-3000      U.S. EPA ID Number

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
	No.	Type		
1. Non-Hazardous Soil	1	DT	22	T
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information  
 Profile # 107745NY

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Officer's Printed/Typed Name: Eric Detweiler Ln Engineers      Signature: Eric Detweiler      Month: 5 | Day: 19 | Year: 11

15. International Shipments:  Import to U.S.       Export from U.S.      Port of entry/exit:      Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials  
 Transporter 1 Printed/Typed Name: Tom Alford      Signature: Tom Alford      Month:      Day:      Year:        
 Transporter 2 Printed/Typed Name:      Signature:      Month:      Day:      Year:

17. Discrepancy  
 17a. Discrepancy Indication Space:  Quantity       Type       Residue       Partial Rejection       Full Rejection

17b. Alternate Facility (or Generator)      Manifest Reference Number:      U.S. EPA ID Number

17c. Signature of Alternate Facility (or Generator)      Month:      Day:      Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a  
 Printed/Typed Name: Ken Bung      Signature: Ken Bung      Month: 5 | Day: 19 | Year: 11

GENERATOR  
INT'L  
TRANSPORTER  
DESIGNATED FACILITY



Mill Seat Landfill  
 303 Brew Rd.  
 Bergen, NY, 14416  
 Ph: (505) 494-3000

Original  
 Ticket# 643411

Customer Name: TRECENVIRONMENTAL-107745NY TR Carrier: SIL SILVAROLE TRUCKING, INC.  
 Ticket Date: 05/19/2011 Vehicle#: D105 Volume  
 Payment Type: Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route 75000 Billing #: 0001199  
 State Waste Code Gen EPA ID: NOT REQUIRED  
 Manifest \* Grid: T15  
 Destination  
 PO  
 Profile: 107745NY (NON HAZARDOUS SOIL)  
 Generator: 190-ROCHESTERCTYORCHARDST CITY OF ROCHESTER

In	Time	Scale	Operator	Inbound	Gross	66980 lb
	05/19/2011 12:08:46	Scale1	KKING5		Tare	26780 lb
Out	05/19/2011 12:08:46		KKING5		Net	40200 lb
					Tons	20.10

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RSC-	100	20.10	Tons				MON
2 FUEL-Fuel Surcharg	100		%				MON
3 EVE-P-Standard Env	100		%				MON

Total Tax  
 Total Ticket

Driver's Signature \_\_\_\_\_



**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

City of Rochester  
30 Church Street  
Rochester, NY

Generator's Phone: 585-426-7474

Generator's Site Address (if different than mailing address)

415 Orchard Street  
Rochester, NY Monroe

6. Transporter 1 Company Name

Silvarois Trucking

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Waste Management- Mill Seat Landfill  
303 Brew Road  
Bergen, NY 14416

Facility's Phone: 585-494-3000

U.S. EPA ID Number

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

No.

Type

1. Non-Hazardous Soil

1

DT

22

T

2.

3.

4.

13. Special Handling Instructions and Additional Information

Profile # 107745NY

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offor's Printed/Typed Name

Eric Detweiler Lu Engineers

Signature

*Eric Detweiler*

Month Day Year

5 19 11

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Transporter Signature (for exports only):

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Stephen Denny

Signature

*Stephen Denny*

Month Day Year

5 19 11

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

*Kim King*

Signature

*Kim King*

Month Day Year

5 19 11

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY





Mill Seat Landfill  
 303 Brew Rd.  
 Bergen, NY, 14416  
 Ph: (585) 494-3000

Original  
 Ticket# 643415

Customer Name TRECENVIRONMENTAL-107745NY TR Carrier SIL SILVAROLE TRUCKING, INC.  
 Ticket Date 05/19/2011 Vehicle# D103 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route 75000 Billing # 0001199  
 State Waste Code Gen EPA ID NOT REQUIRED  
 Manifest \* Grid T15  
 Destination  
 PO  
 Profile 107745NY (NON HAZARDOUS SOIL)  
 Generator 190-ROCHESTERCTYORCHARDST CITY OF ROCHESTER

In	Time	Scale	Operator	Inbound	Gross	70400 lb
		Scale1	KKING5		Tare	26440 lb
Out	05/19/2011 12:26:25		KKING5		Net	43960 lb
					Tons	21.98

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-R6C-	100	21.98	Tons				MON
2 FUEL-Fuel Surcharg	100		%				MON
3 EVF-P-Standard Env	100		%				MON

Total Tax  
 Total Ticket

Driver's Signature \_\_\_\_\_



**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

City of Rochester  
30 Church Street  
Rochester, NY

Generator's Site Address (if different than mailing address)

415 Orchard Street  
Rochester, NY Monroe

Generator's Phone: 585-428-7474

6. Transporter 1 Company Name

Silvario Trucking

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Waste Management Mill Seat Landfill  
303 Brew Road  
Bergen, NY 14416

U.S. EPA ID Number

Facility's Phone: 585-434-3000

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol?

No.

Type

1. Non-Hazardous Soil

1

DT

22

T

2.

3.

4.

13. Special Handling Instructions and Additional Information

Profile # 107745NY

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offor's Printed/Typed Name

Eric Detweiler Lu Engineers

Signature

Eric Detweiler

Month Day Year

5 19 11

INT'L

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Transporter Signature (for exports only):

Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Tom Allen

Signature

Thomas Allen

Month Day Year

Transporter 2 Printed/Typed Name

Signature

Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Kem King

Signature

Kem King

Month Day Year

5 19 11



Mill Seat Landfill  
 303 Brew Rd.  
 Bergen, NY, 14416  
 Ph: (585) 494-3000

Original  
 Ticket# 643452

Customer Name TRECENVIRONMENTAL-107745NY TR Carrier SIL SILVAROLE TRUCKING, INC.  
 Ticket Date 05/19/2011 Vehicle# D105 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route 75000 Billing # 0001199  
 State Waste Code Gen EPA ID NOT REQUIRED  
 Manifest \* Grid T15  
 Destination  
 PO  
 Profile 107745NY (NON HAZARDOUS SOIL)  
 Generator 190-ROCHESTERCTYORCHARDST CITY OF ROCHESTER

In	Time	Scale	Operator	Inbound	Gross	81220 lb
					Tare	26780 lb
Out	05/19/2011 13:33:53	Scale1	KKING5		Net	54440 lb
			KKING5		Tons	27.22

Comments This vehicle was over the legal weight limit .

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-R6C-	100	27.22	Tons				MON
2 FUEL-Fuel Surcharg	100		%				MON
3 EVF-p-Standard Env	100		%				MON

Total Tax  
 Total Ticket

Driver's Signature \_\_\_\_\_

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number  
 2. Page 1 of  
 3. Emergency Response Phone  
 4. Waste Tracking Number

5. Generator's Name and Mailing Address  
 City of Rochester  
 30 Church Street  
 Rochester, NY  
 Generator's Phone: 585-428-7474  
 Generator's Site Address (if different than mailing address)  
 415 Orchard Street  
 Rochester, NY Monroe

6. Transporter 1 Company Name  
 Silvarole Trucking  
 U.S. EPA ID Number

7. Transporter 2 Company Name  
 U.S. EPA ID Number

8. Designated Facility Name and Site Address  
 Waste Management Mill Seat Landfill  
 303 Brew Road  
 Bergen, NY 14416  
 Facility's Phone: 585-494-3000  
 U.S. EPA ID Number

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	
	No.	Type			
1. Non-Hazardous Soil	1	DT	22	T	
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information  
 Profile # 107745NY

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Officer's Printed/Typed Name  
 Eric Detweiler Lu Engineers  
 Signature  
 Eric Detweiler  
 Month Day Year  
 5 | 19 | 11

15. International Shipments  
 Import to U.S.  Export from U.S. Port of entry/exit:  
 Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials  
 Transporter 1 Printed/Typed Name  
 Stephen Denny  
 Signature  
 Stephen Denny  
 Month Day Year  
 5 | 19 | 11  
 Transporter 2 Printed/Typed Name  
 Signature  
 Month Day Year

17. Discrepancy  
 17a. Discrepancy Indication Space  
 Quantity  Type  Residue  Partial Rejection  Full Rejection  
 Manifest Reference Number:

17b. Alternate Facility (or Generator)  
 U.S. EPA ID Number  
 Facility's Phone:

17c. Signature of Alternate Facility (or Generator)  
 Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name  
 Jim Berg  
 Signature  
 Jim Berg  
 Month Day Year  
 5 | 19 | 11

GENERATOR  
 TRANSPORTER INT'L  
 TRANSPORTER  
 DESIGNATED FACILITY

**UST HAZARDOUS SOIL MANIFEST**



Generator's Hazardous Waste Profile Sheet

Service Agreement on file?  Yes  No Profile Number NY302650

Check here if there are multiple generating locations for his waste. Attach addition locations.

Check here if a Certificate of Destruction or Disposal is required.

Requested Disposal Facility: Model City (Hazardous Waste Facility)

Renewal for Profile Number: \_\_\_\_\_ Waste Approval Expiration Date: \_\_\_\_\_

**A. Waste Generator Facility Information (must reflect location of waste generation/origin)**

1. Generator Name: City of Rochester 7. Email Address: khambley@treceenv.com  
 2. Site Address: 364 Orchard St 8. Phone: 585-594-5545  
 3. City/ZIP: Rochester, 14606 9. FAX: 585-594-5675  
 4. State: ny 10. NAICS Code: \_\_\_\_\_  
 5. County: monroe 11. Generator USEPA ID #: NYD98698322  
 6. Contact Name/Title: Keith Hambley/President 12. State ID# (if applicable): \_\_\_\_\_

**B. Customer Information  same as above**

P. O. Number: \_\_\_\_\_

1. Customer Name: TREC Environmental Inc. 6. Phone: 585-594-5545 FAX: 585-594-5675  
 2. Billing Address: 1018 Washington St 7. Transporter Name: Price Trucking  
 3. City, State and ZIP: Spencerport, NY, 14559 8. Transporter ID # (if appl.): \_\_\_\_\_  
 4. Contact Name: Keith Hambley 9. Transporter Address: \_\_\_\_\_  
 5. Contact Email: khambley@treceenv.com 10. City, State and ZIP: \_\_\_\_\_

**C. Waste Stream Information**

USEPA Hazardous  State Hazardous  TSCA

1. Description

a. Name of Waste: Lead Contaminated Soil

b. Process Generating Waste:

Removal of soil near underground gasoline tank

c. Color: Brown

d. Strong Odor (describe): no

e. Physical State at 70°F:  Solid  Liquid  Gas  Sludge  Other: \_\_\_\_\_

f. Layers?  Single layer  Multi-layer

g. Free Liquid Range (%) 0 to 0 Specific Gravity: na Viscosity: na BTU/lb: na

h. pH Range: 6 to 6  NA (Solid)

i. Liquid Flash Point:  < 140°F  140°- 199°F  ≥ 200°F  NA(solid)

2. Is this a USEPA hazardous waste (40 CFR Part 261)? If the answer is no, skip to question f.  Yes  No

a. If yes, identify ALL USEPA listed and characteristic waste code numbers (D,F,K,P,U).

b. If a characteristic hazardous waste, do underlying hazardous constituents (UHCs) apply (40 CFR 268.48)?  Yes  No

(if yes, list in Section C.2.j)

c. Is the waste subject to RCRA Subpart CC Controls (40 CFR 264.1083 & 265.1084)?  ? Click for Add'l Info  Yes  No

1. If no, does the waste meet the organic LDR Exemption?  Yes  No

2. If no, does the waste contain <500 ppm volatile organic (VOC's)?  Yes  No

3. Volatile organic concentration \_\_\_\_\_ ppm.

d. Is the waste predominately debris subject to the Alternate Debris Standards (40 CFR 268.45)?  Yes  No

e. Is the waste predominately soil subject to the Alternate Soil Treatment Standards (40 CFR 268.49)?  Yes  No

1. If yes, will Underlying Hazardous Constituents apply? (list in C.2.j)  Yes  No

f. Does the waste represented by this profile contain asbestos?  Yes  No

2. If yes:  Friable  Non-Friable

g. Does the waste represented by this profile contain benzene?  Yes  No

1. Is this subject to Benzene Operations Waste NESHAP (40 CFR Part 61 Subpart FF)?  Yes  No

If yes, complete Benzene Waste Operations NESHAP (BWON) questionnaire.



C. Waste Stream Information (continued)

- h. Is this profile for remediation waste from a facility that is a major source of Hazardous Air Pollutants (Site Remediation NESHAP, 40 CFR 63 subpart GGGGG)?  Yes  No
  - 1. If yes, does the waste contain <500 ppm VOHAPs at the point of determination?  Yes  No
- i. Does the waste represented by this waste profile sheet contain Polychlorinated Biphenyls (PCBs)?  Yes  No
  - (If yes, list in Chemical Composition - C.2.j)
    - 1. If yes, are the PCBs regulated by 40 CFR 761?  Yes  No
    - 2. If yes, is it remediation waste from a project being performed under the Self-Implementing option provided in 40 CFR 761.61(a)?  Yes  No
    - 3. If yes, were the PCBs imported into the US?  Yes  No
- j. Chemical Composition (List all constituents [including halogenated organics, debris, and UHC's] present in any concentration and submit representative analysis):  (See Attached - for entering additional constituents)

Constituents (Total Composition Must be ≥ 100%)	Lower Range	Unit of Measure	Upper Range	Unit of Measure
1. Soil	99.9	%	100	%
2. Poly Liner	0	%	1	%
3. Lead	.00001	%	.0001	%
4.				
5.				
6.				

- k. Check any that apply:  Pyrophoric  Water Reactive  OSHA Carcinogen  Shock Sensitive  Oxidizer  Infectious
- l. Is the waste subject to controls as a Group 1 wastewater or residual under the Hazardous Organic NESHAP?  Yes  No
  - 1. If yes, is it a Table 8 \_\_\_\_\_ or Table 9 \_\_\_\_\_ compound?
- m. Does the waste represented by this waste profile sheet contain radioactive material?  Yes  No
  - 1. Is disposal regulated by the Nuclear Regulatory Commission?  Yes  No
  - 2. If NORM, identify isotopes and concentration, \_\_\_\_\_ pCi/g.
- n. Is the waste from a CERCLA (40 CFR 300, Appendix B) or state mandated clean-up?  Yes  No
  - 1. If yes, attach Record of Decision (ROD), 104/106 or 122 order or court order that governs site clean-up for activity. For state mandated clean-up, provide relevant documentation.
- o. Is this a State Hazardous Waste?  Yes  No
  - 1. If yes, please list applicable codes: D008
  - If NY waste codes B001-B007 apply, please complete question C.2.c on page 1.

D. DOT Information and Shipping Volume

- 1. Quantity of Waste
  - a.  One Time Event  Base  Repeat Event
  - b. Estimated Annual Quantity: 30  Tons  Yards  Drums  Other (specify) \_\_\_\_\_
  - c. Shipping Frequency: Units: 1 Per:  Month  Quarter  Year  One Time  Other \_\_\_\_\_
- 2. Shipping Information
  - a. Packaging:
    - Roll off/End dump: \_\_\_\_\_  Other: \_\_\_\_\_
    - Drum Type/Size: \_\_\_\_\_  Vacuum Box
    - Tanker  Super Sack  Tote Bin  Cubic Yard Boxes
  - b. Is this a U.S. Department of Transportation (USDOT) Hazardous Material (If no, skip c, d and e)?  Yes  No
  - c. Reportable Quantity (lbs.; kgs.): \_\_\_\_\_ d. Primary/Subsidiary Hazard Class(es)/ID#: \_\_\_\_\_
  - e. USDOT Shipping Name: \_\_\_\_\_ PG: \_\_\_\_\_

E. Generator Certification (Please read and certify by signature below)

I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of this wastestream. Any sample submitted is a representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. I authorize WMI to obtain a sample from any waste shipment for purposes of recertification. If this certification is made by a broker, the undersigned signs as authorized agent of the generator and has confirmed the information contained in this Profile Sheet from information provided by the generator and additional information as it has determined to be reasonably necessary. If approved for management, Contractor has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile. All relevant information within the possession of the Generator regarding known or suspected hazards pertaining to the waste will be disclosed to the contractor. All changes which occur in the character of the waste will be identified by the Generator and be disclosed to the Contractor prior to providing the waste to the Contractor.

Certification Signature: [Signature] Title: President  
 Company Name: TREC Environmental Inc. Name (Print): Keith Hambley  
 Date: 5-19-2011



# HAZARDOUS WASTE PROFILE ADDENDUM

Profile Number: NY302650

### F. Addendum to Waste Stream Information

1. If this is USEPA hazardous waste (40 CFR Part 261), identify ALL USEPA listed and characteristic waste code numbers (D, F, K, P, U):

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2. Chemical Composition (List all constituents [including halogenated organics, debris, and UHC's] present in any concentration and submit representative analysis):

Constituents (Total Composition Must be > 100%)	Lower Range	Unit of Measure	Upper Range	Unit of Measure
7. _____				
8. _____				
9. _____				
10. _____				
11. _____				
12. _____				
13. _____				
14. _____				
15. _____				
16. _____				
17. _____				
18. _____				
19. _____				
20. _____				

3. Is this a State Hazardous Waste?  Yes  No  
If yes, please list applicable codes

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Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>NYR000158204</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>(800)424-9300</b>	4. Manifest Tracking Number <b>001595760 GBF</b>	
5. Generator's Name and Mailing Address <b>CITY OF ROCHESTER DEPT OF ENV SERVICES 30 CHURCH ST RM 300B Attn: Anne Spaulding ROCHESTER NY 14614</b>			Generator's Site Address (if different than mailing address) <b>CITY OF ROCHESTER/WHITNEY SITE 364 ORCHARD ST ROCHESTER NY 14606</b>			
Generator's Phone: <b>(585) 594-5545</b>			<b>428-7474</b>			
6. Transporter 1 Company Name <b>Price Trucking Corp.</b>			U.S. EPA ID Number <b>NYD046765574</b>			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address <b>CWM CHEMICAL SERVICES, L.L.C. 1550 BALMER RD. MODEL CITY NY 14107</b>			U.S. EPA ID Number <b>NYD049836679</b>			
Facility's Phone: <b>(715) 286-1550</b>						
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
		No.	Type			
<b>X</b>	<b>RQ. HAZARDOUS WASTE, SOLID, N.O.S., NA3077, 9, III, (D008) NY302650</b>	<b>001</b>	<b>CM DT</b>	<b>EST 4400</b>	<b>P</b>	<b>D008 T</b>
2.						
3.						
4.						
14. Special Handling Instructions and Additional Information <b>1. NY302650 - LEAD CONTAMINATED SOIL ERG# 171 ER SERVICE CONTRACTED BY WASTE MANAGEMENT WEIGHT IN SECTION 11 IS ESTIMATED 8/1645221 Rec'd 29220P 14.6 tons</b>						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offeror's Printed/Typed Name <b>Anne E. Spaulding</b>			Signature <i>Anne Spaulding</i>		Month Day Year <b>05 31 11</b>	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name <b>Vash Zinkiv</b>			Signature <i>Vash Zinkiv</i>		Month Day Year <b>05 31 11</b>	
Transporter 2 Printed/Typed Name			Signature		Month Day Year	
18. Discrepancy						
18a. Discrepancy Indication Space <input checked="" type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
<b>amt. est actual rec'd 29220P</b>						
18b. Alternate Facility (or Generator)					U.S. EPA ID Number	
Facility's Phone:						
18c. Signature of Alternate Facility (or Generator)					Month Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1. <b>H132</b>		2.		3.		4.
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name <b>EILEEN CARTON</b>			Signature <i>Eileen Carton</i>		Month Day Year <b>10 1 11</b>	

GENERATOR

TRANSPORTER INT'L

SIGNATED FACILITY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number 11111111111111111111	2. Page 1 of 1	3. Emergency Response Phone (800) 424-9300	4. Manifest Tracking Number <b>001595760 GBF</b>		
5. Generator's Name and Mailing Address CITY OF ROCHESTER DEPARTMENT OF ENVIRONMENTAL SERVICES 300 BROADWAY 10TH FLOOR ROCHESTER NY 14604			Generator's Site Address (if different than mailing address) CITY OF ROCHESTER DEPARTMENT OF ENVIRONMENTAL SERVICES 300 BROADWAY 10TH FLOOR ROCHESTER NY 14604				
Generator's Phone: (585) 462-3900			U.S. EPA ID Number:				
6. Transporter 1 Company Name			U.S. EPA ID Number:				
7. Transporter 2 Company Name			U.S. EPA ID Number:				
8. Designated Facility Name and Site Address CITY OF ROCHESTER DEPARTMENT OF ENVIRONMENTAL SERVICES 300 BROADWAY 10TH FLOOR ROCHESTER NY 14604			U.S. EPA ID Number:				
Facility's Phone: (716) 255-1500							
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		No.	Type				
1.	HAZARDOUS WASTE...	1	DRUM			1000	
2.							
3.							
4.							
14. Special Handling Instructions and Additional Information PERSONAL CONTACT ONLY WASTE MANAGEMENT INFORMATION IS NOT TO BE DISSEMINATED							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offeror's Printed/Typed Name			Signature		Month	Day	Year
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name			Signature		Month	Day	Year
Transporter 2 Printed/Typed Name			Signature		Month	Day	Year
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
				Manifest Reference Number:			
18b. Alternate Facility (or Generator)				U.S. EPA ID Number:			
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator)					Month	Day	Year
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.	2.	3.	4.				
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name			Signature		Month	Day	Year

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

CONTAMINATED SOILS

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

MDC-NY302650

Generator Name: CITY OF ROCHESTER ORCHARD/WHIT Manifest Doc. No.: \_\_\_\_\_  
 Profile Number: NY302650 SOIL State Manifest No: \_\_\_\_\_

1. Is this waste a non-wastewater? (See 40 CFR 268.2) Check one: Nonwastewater  Wastewater
2. This contaminated soil does not contain listed hazardous waste and does contain a characteristic of hazardous waste and ~~(is subject to/complies with)~~ the soil treatment standards as provided by 40 CFR 268.49(c) or the Universal Treatment Standards.
3. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent soil must be listed and attached by the generator. If D001-D043 and/or listed waste, requires treatment of any applicable characteristics and meets 268.48 standards, then the underlying constituent(s) in the waste must be listed and attached.

REF #	4. US EPA HAZARDOUS WASTE CODE(S)	5. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE		6. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	D008		X	A.1
2				
3				
4				

To identify F039, D001-D043, or soil underlying hazardous constituent(s), use the "F039/Underlying Hazardous Constituent Form" provided (CWM-2004) and check here: \_\_\_\_\_  
 If no UHCs are present in the waste upon its initial generation check here:   
 To list additional USEPA waste code(s) and subcategory(ies), use the supplemental sheet provided (CWM-2005-D) and check here: \_\_\_\_\_  
 If treater will test for all Spent Solvents and UHCs, check here: \_\_\_\_\_  
 Disposal facility monitors for all UHCs check here: \_\_\_\_\_  
 If waste will be managed in a system regulated under the CWA, or a Class 1 injection well under the SDWA check here: \_\_\_\_\_

HOW MUST THE WASTE BE MANAGED? In column 6 above, enter the letter (A.1, B.5, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter A.1, B.5, D, or E, you are making the appropriate certification as provided below. States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

- A.1 RESTRICTED SOIL REQUIRES TREATMENT (Circle)  
 "I certify under penalty of law that I personally have examined this contaminated soil and it ~~does/does not~~ contain listed hazardous waste and ~~does/does not~~ exhibit a characteristic of hazardous waste and requires treatment to meet the soil treatment standards as provided by 40 CFR 268.49(c)."
- B.5 RESTRICTED SOIL TREATED TO ALTERNATE PERFORMANCE STANDARDS  
 "I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and believe that it has been maintained and operated properly so as to comply with treatment standards specified in 40 CFR 268.49 without impermissible dilution of the prohibited wastes. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."
- D. RESTRICTED SOIL CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT  
 "I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 subpart D. I believe that the information I submitted is true, accurate, and complete. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."
- E. SOIL IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS  
 This waste is a newly identified waste that is not currently subject to any 40 CFR 268 Part restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature [Signature] Title Site Specialist Date 5/31/11  
 1990 Chemical Waste Management, Inc. - 08/99-Form CWM-2005-C

SOLVENT

waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F002, F003, F004, F005, and all solvent constituents will not be monitored by the treater, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F039 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 268.48 standards, then the underlying hazardous constituent(s) must also be attached.

2 SOLVENT WASTE TREATMENT STANDARDS				
F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	1 Treatment Standard		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	
	Wastewaters	Nonwastewaters		1 Treatment Standard
			Wastewaters	Nonwastewaters

1 All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

2 For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of constituents or less than 10 x the standards listed.

SUBCATEGORY REFERENCE

- D001:
- A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a)(1) High TOC subcategory.
  - B. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1) - Greater than or equal to 10% total organic carbon.

lead contaminated soil.



**CWM CHEMICAL SERVICES, LLC**

1550 Balmer Road  
Model City, NY 14107  
(716) 286-1550  
(716) 286-0211 Fax

CITY OF ROCHESTER ORCHARD/WHIT  
ATTN:  
NYR000158204  
364 ORCHARD ST  
ROCHESTER NY 14606

CERTIFICATE OF DISPOSAL  
-----

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from CITY OF ROCHESTER ORCHARD/WHIT on 06/01/11 as described on Shipping Document number 001595760GBF Sequence number 01.

Profile Number: NY302650  
CWM Tracking ID: 8164522101  
CWM Unit #: 1\*0  
Disposal Date: 06/06/11

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

A handwritten signature in black ink, appearing to read 'Michael D. Mahar', written over a horizontal line.

MICHAEL D MAHAR  
DISTRICT MANAGER  
Certificate # 346124  
06/08/11

For questions please call  
our Customer Service Dept.  
at (800) 843-3604

*From everyday collection to environmental protection, Think Green® Think Waste Management.*

## **FRAC TANK WASTE WATER & SOLIDS**

# Environmental & Industrial Contracting Services, Inc.

## WASTE PRODUCT RECORD

**Generator Name:** City of Rochester **Phone:** 585-424-4740  
**Address:** 415 Orchard Street, 315 Whitney Street  
**City:** Rochester **State:** NY **Zip:** 14606  
**Contact:** Jane Forbes **Title:** Environmental Specialist  
**Fax:** (585) 428-7892 **SIC:** \_\_\_\_\_ **EPA ID #** NOT APPLICABLE

**Process Generating Waste:**

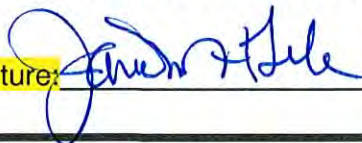
Non-Hazardous Liquid (rainwater collected in a sealed concrete vault)

\*See attached Paradigm Lab Project 11-1468, Sample No. 5031. Sample 5028 DOES NOT APPLY.

Constituent	%	Phase	%	Restrictions	Yes	No
		Layering		Characteristic Waste	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		Single		Listed Waste	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		BI-Layered		Medical/Biological Waste	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		Multi-Layered		Etiological Waste	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Water	98	Liquid	100	PCB Contaminated	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sediment	0	Solid	2	Hazardous Material	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		Sludge		Radioactive	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		Other		Sewage / Septic	<input type="checkbox"/>	<input checked="" type="checkbox"/>

	YES	NO
Is Waste Product Record Based on Generator's Knowledge?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is Analysis Attached?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Was analysis completed by a NYSDOH certified laboratory?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Are MSDS's attached?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

*I certify that the material described above is not a hazardous waste as defined by RCRA (title 40) or 6 NYCRR parts 370-374, and that the information contained herein is true and accurate to the best of my knowledge. I understand that mismanagement of waste (hazardous or other) is punishable by law. Also, I will notify GES if the waste (or the process by which the waste is generated) described in this product record, changes.*

**Generator Representative:** JANE MIT FORBES **Signature:**  **Date:** 4/10/2012  
City of Rochester -DEQ

Technical Manager Signature: \_\_\_\_\_ Date: 4/10/2012

Profile Approval is valid for two years from date of Technical Manager's signature.  
EICS Waste Profile (2).doc



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

## Analytical Report Cover Page

### *Lu Engineers*

For Lab Project # 11-1468

Issued May 3, 2011

This report contains a total of 31 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Each page of this document is part of a multipage report. This document may not be reproduced except in its entirety, without the prior consent of Paradigm Environmental Services, Inc.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

**"<" = analyzed for but not detected at or above the reporting limit.**

**"E" = Result has been estimated, calibration limit exceeded.**

**"Z" = See case narrative.**

**"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.**

**"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.**

**"B" = Method blank contained trace levels of analyte. Refer to included method blank report.**





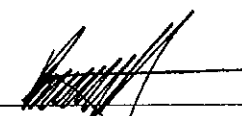
**LAB REPORT FOR FLASHPOINT ANALYSIS**

<b>Client:</b>	<b><u>Lu Engineers</u></b>	<b>Lab Project No.:</b>	11-1468
<b>Client Job Site:</b>	Orchard/Whitney RI UST Evaluation	<b>Sample Type:</b>	Water
<b>Client Job No.:</b>	4216-01	<b>Method:</b>	SW846 1010
		<b>Date Sampled:</b>	04/14/2011
		<b>Date Received:</b>	04/18/2011
		<b>Date Analyzed:</b>	04/28/2011

Lab Sample No.	Field ID No.	Field Location	Flashpoint Results (°C)
5031	N/A	Chimney-Water	>70.0

ELAP ID No.:10958

Comments:

Approved By:   
 Bruce Hoogesteger, Technical Director



**LAB REPORT FOR METALS ANALYSIS IN WATERS**

<b>Client:</b>	<b><u>Lu Engineers</u></b>	<b>Lab Project No.:</b>	11-1468
<b>Client Job Site:</b>	Orchard/Whitney RI UST Evaluation	<b>Sample Type:</b>	Aqueous Liquid/ Ground Water
<b>Client Job No.:</b>	4216-01	<b>Method:</b>	SW846:6010,7470
		<b>Date(s) Sampled:</b>	04/14/2011
		<b>Date Received:</b>	04/18/2011
		<b>Date Analyzed:</b>	04/19-21/2011

Lab Sample No.	Field ID No.	Field Location	Silver Results (mg/L)	Arsenic Result (mg/L)	Barium Results (mg/L)	Cadmium Results (mg/L)	Chromium Results (mg/L)	Lead Results (mg/L)	Selenium Results (mg/L)	Mercury Results (mg/L)
5028	N/A	Tank 6	<0.050	0.593	1.16	0.306	0.084	14.1	<0.050	<0.0020
5031	N/A	Chimney Water	<0.010	2.96	1.850	<0.005	0.165	0.561	0.180	0.185

ELAP ID No.: 10958

Comments:

Approved By:   
Bruce Hoogesteger, Technical Director



**PCB Analysis Report for Non-potable Water**

**Client:** Lu Engineers

<b>Client Job Site:</b>	Orchard/Whitney RI UST Evaluation	<b>Lab Project Number:</b>	11-1468
<b>Client Job Number:</b>	4216-01	<b>Lab Sample Number:</b>	5031
<b>Field Location:</b>	Chimney - Water	<b>Date Sampled:</b>	04/14/2011
<b>Field ID Number:</b>	N/A	<b>Date Received:</b>	04/18/2011
<b>Sample Type:</b>	Water	<b>Date Analyzed:</b>	04/20/2011

PCB Identification	Results in ug / L
Aroclor 1016	< 1.00
Aroclor 1221	< 1.00
Aroclor 1232	< 1.00
Aroclor 1242	< 1.00
Aroclor 1248	< 1.00
Aroclor 1254	< 1.00
Aroclor 1260	< 1.00

ELAP Number 10958

Method: EPA 8082

Comments: ug / L = microgram per Liter

Signature: \_\_\_\_\_

Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.



**Volatile Analysis Report for Non-potable Water**

Client: **Lu Engineers**

Client Job Site: Orchard/Whitney RI  
UST Evaluation  
Client Job Number: 4216-01  
Field Location: Chimney-Water  
Field ID Number: N/A  
Sample Type: Water

Lab Project Number: 11-1468  
Lab Sample Number: 5031  
Date Sampled: 04/14/2011  
Date Received: 04/18/2011  
Date Analyzed: 04/20/2011

Halocarbons	Results in ug / L
Bromodichloromethane	< 2.00
Bromomethane	< 2.00
Bromoform	< 5.00
Carbon Tetrachloride	< 2.00
Chloroethane	< 2.00
Chloromethane	< 2.00
2-Chloroethyl vinyl Ether	< 10.0
Chloroform	< 2.00
Dibromochloromethane	< 2.00
1,1-Dichloroethane	< 2.00
1,2-Dichloroethane	< 2.00
1,1-Dichloroethene	< 2.00
cis-1,2-Dichloroethene	< 2.00
trans-1,2-Dichloroethene	< 2.00
1,2-Dichloropropane	< 2.00
cis-1,3-Dichloropropene	< 2.00
trans-1,3-Dichloropropene	< 2.00
Methylene chloride	< 5.00
1,1,2,2-Tetrachloroethane	< 2.00
Tetrachloroethene	< 2.00
1,1,1-Trichloroethane	< 2.00
1,1,2-Trichloroethane	< 2.00
Trichloroethene	< 2.00
Trichlorofluoromethane	< 2.00
Vinyl chloride	< 2.00

Aromatics	Results in ug / L
Benzene	< 0.700
Chlorobenzene	< 2.00
Ethylbenzene	< 2.00
Toluene	< 2.00
m,p-Xylene	< 2.00
o-Xylene	< 2.00
Styrene	< 5.00
1,2-Dichlorobenzene	< 2.00
1,3-Dichlorobenzene	< 2.00
1,4-Dichlorobenzene	< 2.00

Ketones	Results in ug / L
Acetone	B 29.3
2-Butanone	< 10.0
2-Hexanone	< 5.00
4-Methyl-2-pentanone	< 5.00

Miscellaneous	Results in ug / L
Carbon disulfide	< 2.00
Vinyl acetate	< 5.00

ELAP Number 10958

Method: EPA 8260B

Data File: V83862.D

Comments: ug / L = microgram per Liter

Signature:

Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.



# CHAIN OF CUSTODY

REPORT TO: INVOICE TO:

PROJECT NAME/SITE NAME: Orchard/Wilthney RI  
 UST Evaluation

COMPANY: <b>LVA Engineers</b>	ADDRESS: <b>175 Sullivan Trail Suite 202</b>	CITY: <b>Pittsford</b>	STATE: <b>NY</b>	ZIP: <b>14534</b>
COMPANY: <b>Same</b>	ADDRESS: <b>Same</b>	CITY: <b>Same</b>	STATE: <b>Same</b>	ZIP: <b>Same</b>
PHONE: <b>385-7417</b>	FAX: <b>385-7417</b>	PHONE: <b>385-7417</b>	FAX: <b>385-7417</b>	PHONE: <b>385-7417</b>
ATTN: <b>Eric Detweiler/Greg Andrews</b>	ATTN: <b>NON-Asf Cat B</b>	REQUESTED ANALYSIS		
COMMENTS: <b>Refer to contract here @ lvaengineers.com/gregandrus@lvaengineers.com</b>				
INVOICE existing P.O.				
Quotation # <b>1 2 3 5</b>				
LAB PROJECT #: <b>11-1468</b> CLIENT PROJECT #: <b>4216-01</b>				
TURNAROUND TIME (WORKING DAYS) <b>10 days</b>				
STANDARD OTHER				

DATE	TIME	COMPOSITE	G R A B	SAMPLE LOCATION/FIELD ID	M A T	C O N T A M I N E N T S	TPH 310.13	Flashpoint	PCBs	RCRA Metals	82608	REMARKS
4/14/11	2:30	X		Tank 1	NON Asf	liquid	X	X	X	X	X	petrol. odor - product
	2:40	X		Tank 2			X	X	X	X	X	petrol. odor - product
	2:45	X		Tank 3			X	X	X	X	X	petrol. odor - product
	2:50	X		Tank 4			X	X	X	X	X	appears to be gas & water
	2:55	X		Tank 5			X	X	X	X	X	mostly water, mineral spirit odor
	3:20	X		Tank 6	Asf		X	X	X	X	X	appears to be water
4/15/11	9:45	X		Tank 7	NON Asf		X	X	X	X	X	solvent-like odor
4/15/11	11:00	X		Tank 8			X	X	X	X	X	solvent-like odor
4/14/11	9:30	X		Chimney-water			X	X	X	X	X	large sludge layer, beached water and analyze water only

\*\*LAB USE ONLY BELOW THIS LINE\*\*  
 Sample Condition: Per NELAC/EIAP 210/241/242/243/244 7-27-11 11:30  
 Receipt Parameter: NELAC Compliance

Container Type:  Y  N  Preservation:  Y  N  Holding Time:  Y  N  Temperature:  Y  N  Comments: 4115

Sampled By: Eric Detweiler Date/Time: 4/14/11 14:50  
 Relinquished By: Eric Detweiler Date/Time: 4/15/11 14:50  
 Received By: Blair A. Homick Date/Time: 4/18/11 11:45  
 P.I.F.

# INDUSTRIAL OIL TANK SERVICE CORP.

VACUUM TRUCK & TRANSPORTATION SERVICES  
WASTE DISPOSAL - PETROLEUM RECYCLING  
REMEDATION SUPPLIES

120 Dry Road  
Oriskany, New York 13424  
Telephone: (315) 736-6080  
Fax: (315) 736-4649

EPA NO. NYR000005298

PLEASE ATTACH: All Material Safety Data Sheets, (MSDS), Analysis Reports, Handling Precautions, Additional Hazard Information, Support Data & Comments

Generator Name G-TT OF ROCHESTER  
Facility Address 415 ORCHARD STREET  
City, State, Zip ROCHESTER NY  
Technical Contact ANN SPALDING  
(Name) (Title)  
Area Code (518) Telephone # 428-7449  
Facility EPA ID # \_\_\_\_\_

Billing Address TASC Environmental Inc  
1015 WASHINGTON ST  
City, State, Zip SPENCERPORT NY 14559  
Business Contact KEVIN HANAHAN  
(Name) (Title)  
Area Code (518) Telephone # 554 5012  
Common Name of Waste \_\_\_\_\_

**SPECIFIC GENERATING PROCESS INFORMATION**  
UNDERGROUND TANK REMOVAL

EPA Haz. Waste No. \_\_\_\_\_ Non RCRA No. \_\_\_\_\_  
Container Type  Drum  Bulk  Other \_\_\_\_\_  
Rate of Generation: 11.000 GALLONS  
Quantity Units Per (Mo.Yr.)

**CHEMICAL COMPOSITION (Totals must add up to 100%)**

WATER	97	I
FULL OIL	2	I
MINOR SOLIDS	1	I
		I
		I
		I
		I
		I
		I

Proper DOT Shipping Named: Include RQ Information  
PETROLEUM + WATER

Add'l Desc: \_\_\_\_\_  
Hazard Class \_\_\_\_\_ UN/NA No. \_\_\_\_\_

**PHYSICAL DESCRIPTION**

Physical State  Liquid  Semi Solid  Solid  
Viscosity  Low  Medium  High  
Liquid Layering  None  Bilayered  Multilayered  
Solids (Wt%): 3S+W \_\_\_\_\_ Total \_\_\_\_\_  
Free Liquid  Yes  No  
Odor FULL OIL Color CLER/A.S.  
Total Halogen (I) \_\_\_\_\_ TOC (ppm) \_\_\_\_\_  
Flash Point °F \_\_\_\_\_ BTU/Lb \_\_\_\_\_  
PCB (ppm) \_\_\_\_\_ Pesticide/Herbicide (ppm) \_\_\_\_\_

**Certification:**  
I hereby certify that I have personally examined and am familiar with the information submitted in this and all attached documents. Based on my inquiry of those individuals who are responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete to the best of my knowledge and ability and that all known and suspected hazards have been disclosed.

AS PER...  
Signature \_\_\_\_\_ Date 5/11/11

Name/Distributor \_\_\_\_\_ Date \_\_\_\_\_

	Total	TCLP	Total	TCLP
Antimony (Sb)	_____	_____	Lead (Pb)	_____
Arsenic (As)	_____	_____	Mercury (Hg)	_____
Barium (Ba)	_____	_____	Nickel (Ni)	_____
Beryllium (B)	_____	_____	Selenium (Se)	_____
Cadmium (Cd)	_____	_____	Silver (Ag)	_____
Chromium (Cr)	_____	_____	Thallium (Tl)	_____
Copper (Cu)	_____	_____	Zinc (Zn)	_____

Approved for Acceptance:  Yes  No

Sales Rep. \_\_\_\_\_

Handling Code \_\_\_\_\_ Date \_\_\_\_\_

SEE ANALYSIS...

**Environmental & Industrial Contracting Services, Inc.**  
**WASTE PRODUCT RECORD**

Generator Name: City of Rochester Phone: 585-594-5545  
 Address: 425 Orchard Street  
 City: Rochester State: NY Zip: 14606  
 Contact: Anne Spaulding Title: Environmental Analyst  
 Fax: \_\_\_\_\_ SIC: \_\_\_\_\_ EPA ID # \_\_\_\_\_

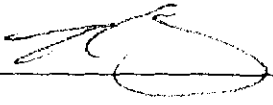
**Process Generating Waste:**

Removal of underground storage 7 petroleum (fuel oil, mineral spirits) underground storage tanks. Note gasoline tank noted in analytical is not included in this waste stream. Handled by different facility. All free product previously removed from tanks and dispose at different facility, not included in this profile.

Constituent	%	Phase	%	Restrictions	Yes	No
Water	50	Layering		Characteristic Waste	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Petroleum Sludge	50	Single		Listed Waste	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		BI-Layered	x	Medical/Biological Waste	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		Multi-Layered		Etiological Waste	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		Liquid		PCB Contaminated	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		Solid		Hazardous Material	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		Sludge		Radioactive	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		Other		Sewage / Septic	<input type="checkbox"/>	<input checked="" type="checkbox"/>

	YES	NO
Is Waste Product Record Based on Generator's Knowledge?	x	<input type="checkbox"/>
Is Analysis Attached?	x	<input type="checkbox"/>
Was analysis completed by a NYSDOH certified laboratory?	x	<input type="checkbox"/>
Are MSDS's attached?	<input type="checkbox"/>	x

*I certify that the material described above is not a hazardous waste as defined by RCRA (title 40) or 6 NYCRR parts 370-374, and that the information contained herein is true and accurate to the best of my knowledge. I understand that mismanagement of waste (hazardous or other) is punishable by law. Also, I will notify GES if the waste (or the process by which the waste is generated) described in this product record, changes.*

Generator Representative: Keith Hambley Signature:  Date: 5-5-2011

## **CHIMNEY WASTE LIQUID**



# NON-HAZARDOUS WASTE MANIFEST

(Form designed for use on elite (12 pitch) typewriter)

**N-HAZARDOUS WASTE MANIFEST**

1. Generator US EPA ID No. **NYR000158204**  
~~NY0986980753~~ ~~N/A~~

Manifest Document No. **01800**

2. Page **1** of **1**

3. Generator's Name and Mailing Address  
**City of Rochester**  
**415 Orchard Street - 354 Whitney Street**  
**Rochester, NY 14606**

**SAME**

4. Generator's Phone: **585 314 1719**  
 5. Transporter 1 Company Name: **OP-TECH Environmental Services, Inc.**

6. US EPA ID Number: **NYD986980753**

A. State Transporter's ID: **BA-185**

B. Transporter 1 Phone: **1-800-225-6750**

7. Transporter 2 Company Name:

8. US EPA ID Number:

C. State Transporter's ID:

D. Transporter 2 Phone:

9. Designated Facility Name and Site Address  
**Environmental & Industrial Contracting Services**  
**Green (EICS)**  
**8335 Quarry Road**  
**Niagara Falls, NY 14304**

10. US EPA ID Number:

E. State Facility's ID:

F. Facility's Phone: **716-298-5297**

11. WASTE DESCRIPTION	Containers		13. Total Quantity	14. Unit Wt./Vol.
	No.	Type		
a. Non RCRA, Non DOT Regulated Liquid (Non-Hazardous)	2	CF	2 Est	T GUY ton
b. Non RCRA, Non DOT Regulated Liquid (Non-Hazardous)	1	DM	400 Est	P GUY ton LAB
c.				
d.				

G. Additional Descriptions for Materials Listed Above

a. Job # **RLUE0007**      c. Profile #: **DES120413A**

b.      d.

H. Handling Codes for Wastes Listed Above

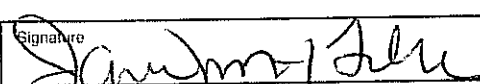
a.      c.

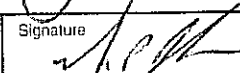
b.      d.

15. Special Handling Instructions and Additional Information

**In case of emergency call 1-800-225-6750. OP-TECH ENVIRONMENTAL SERVICES, INC.**  
**PA-AH-0599**

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

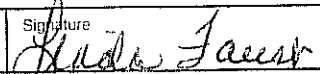
Printed/Typed Name <b>JANE MH FORBES</b>	Signature 	Date Month Day Year <b>04   16   2012</b>
---------------------------------------------	---------------------------------------------------------------------------------------------------	-------------------------------------------------

17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <b>William F Jablonka</b>	Signature 	Date Month Day Year <b>4   18   12</b>
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18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	Signature	Date Month Day Year
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19. Discrepancy Indication Space

**EICS**

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19. Printed/Typed Name <b>Linda Faust</b>	Signature 	Date Month Day Year <b>05   08   12</b>
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GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE



# Environmental & Industrial Contracting Services, Inc.

## WASTE PRODUCT RECORD

**Generator Name:** City of Rochester **Phone:** 585-424-4740  
**Address:** 415 Orchard Street, 315 Whitney Street  
**City:** Rochester **State:** NY **Zip:** 14606  
**Contact:** Jane Forbes **Title:** Environmental Specialist  
**Fax:** (585) 428-7892 **SIC:** \_\_\_\_\_ **EPA ID #** NOT APPLICABLE

**Process Generating Waste:**  
 Non-Hazardous Liquid (rainwater collected in a sealed concrete vault)  
 \*See attached Paradigm Lab Project 11-1468, Sample No. 5031. Sample 5028 DOES NOT APPLY.

Constituent	%	Phase	%	Restrictions	Yes	No
		Layering		Characteristic Waste	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		Single		Listed Waste	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		BI-Layered		Medical/Biological Waste	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		Multi-Layered		Etiological Waste	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Water	98	Liquid	100	PCB Contaminated	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sediment	0	Solid	2	Hazardous Material	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		Sludge		Radioactive	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		Other		Sewage / Septic	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Is Waste Product Record Based on Generator's Knowledge?  YES  NO  
 Is Analysis Attached?  YES  NO  
 Was analysis completed by a NYSDOH certified laboratory?  YES  NO  
 Are MSDS's attached?  YES  NO

I certify that the material described above is not a hazardous waste as defined by RCRA (title 40) or 6 NYCRR parts 370-374, and that the information contained herein is true and accurate to the best of my knowledge. I understand that mismanagement of waste (hazardous or other) is punishable by law. Also, I will notify GES if the waste (or the process by which the waste is generated) described in this product record, changes.

Generator Representative: JANE MIT FORBES Signature: [Signature] Date: 4/10/2012  
City of Rochester -DEQ

Technical Manager Signature: \_\_\_\_\_ Date: 4/10/2012  
 Profile Approval is valid for two years from date of Technical Manager's signature.  
 EICS Waste Profile (2).doc

**AOC-2 NON-HAZARDOUS SOIL MANIFESTS**



Mill Seat Landfill  
 303 Brew Rd.  
 Bergen, NY, 14416  
 Ph: (585) 494-3000

Original  
 Ticket# 883396

Customer Name OPTECHEENVIRONMENTAL-108658NY Carrier RIG RICELLI ENTERPRISES  
 Ticket Date 04/06/2012 Vehicle# 51PUP Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0001340  
 State Waste Code Gen EPA ID NOT REQUIRED  
 Manifest 01  
 Destination Grid 513  
 RC 1) RLJE0007 ENGINEERS R80 2) LU ENGINEERS R80 3) LU ENGINEERS R80  
 Profile 108658NY (NON RCRA IMPACTED SOILS)  
 Generator 190-ROCHESTERCTYORCHARDWHITNEY CITY OF ROCHESTER

	Time	Scale	Operator	Inbound	Gross	115180 lb*
In	04/06/2012 08:03:05	Scale1	KKING5		Tare	43960 lb
Out	04/06/2012 08:20:11	Scale2	KKING5		Net	71220 lb
			* Manual Weight		Tons	35.61

Comments:

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC-	100	35.61	Tons				MON
2 FUEL-Fuel Surcharg	100		%				MON
3 EVF-P-Standard Env	100		%				MON

Total Tax  
 Total Ticket

Driver's Signature \_\_\_\_\_



# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>N/A</b>		Manifest Document No. <b>01</b>	2. Page 1 of 1	
3. Generator's Name and Mailing Address <b>City of Rochester 415 Orchard Street - 354 Whitney Street Rochester, NY 14606</b>				<b>SAME</b>		
4. Generator's Phone <b>585-314-1719</b>						
5. Transporter 1 Company Name <b>Riccelli Trucking</b>		6. US EPA ID Number		A. State Transporter's ID <b>7A-402</b>		
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone <b>585-370-0331</b>		
9. Designated Facility Name and Site Address <b>Waste Management Mill Seat Landfill 303 Brew Road Bergen, NY 14416</b>		10. US EPA ID Number		C. State Transporter's ID		
				D. Transporter 2 Phone		
				E. State Facility's ID		
				F. Facility's Phone <b>800-843-3604</b>		
11. WASTE DESCRIPTION			Containers		13. Total Quantity	14. Unit Wt./Vol.
			No.	Type		
a. <b>Non RCRA, Non DOT Regulated Solids (Petroleum and Metal Impacted Soil and Debris)</b>			<b>1</b>	<b>DT</b>	<b>Est</b>	<b>ton</b>
b.						
c.						
d.						
G. Additional Descriptions for Materials Listed Above				H. Handling Codes for Wastes Listed Above		
a. <b>Job #RLUE0007</b>				a.		
b.				b.		
c. <b>WM Profile #: 108658NY</b>				c.		
d.				d.		
15. Special Handling Instructions and Additional Information						
<b>In case of emergency call 1-800-225-6750. OP-TECH ENVIRONMENTAL SERVICES, INC. PA-AH-0599</b>						
<b>16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.</b>						
Printed/Typed Name <b>JANE MH FORBES</b>				Signature <i>Jane M Forbes</i>		Date Month Day Year <b>4   6   12</b>
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>John M. ...</i>		Date Month Day Year <b>4   6   12</b>
Printed/Typed Name <b>John M. ...</b>				Signature		Date
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date
Printed/Typed Name				Signature		Date
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.						
Printed/Typed Name <b>Jim King</b>				Signature <i>Jim King</i>		Date Month Day Year <b>4   6   12</b>

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



Mill Seat Landfill  
 303 Brew Rd.  
 Bergen, NY, 14416  
 Ph: (585) 494-3000

Original  
 Ticket# 683401

Customer Name OPTECHEMENVIRONMENTAL-108658NY Carrier RIC RICELLI ENTERPRISES  
 Ticket Date 04/06/2012 Vehicle# 78PUP Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0001340  
 State Waste Code Gen EPA ID NOT REQUIRED  
 Manifest 02  
 Destination Grid 513  
 PG 1) RLUE0007 2) LU ENGINEERS RBO 3) LU ENGINEERS RBO  
 Profile 108658NY (NON RCRA IMPACTED SOILS)  
 Generator 190-ROCHESTERCTYORCHARDWHITNEY CITY OF ROCHESTER

Time	Scale	Operator	Inbound	Gross	119160 lb
In 04/06/2012 08:22:40	Scale1	KKING5		Tare	44000 lb
Out 04/06/2012 08:42:53	Scale2	KKING5		Net	75160 lb
				Tons	37.56

Comments This vehicle was over the legal weight limit .

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-R60-	100	37.56	Tons				MON
2 FUEL-Fuel Surcharg	100		%				MON
3 EVF-P-Standard Env	100		%				MON

Total Tax  
 Total Ticket

Driver's Signature \_\_\_\_\_



Tik #  
78

# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>N/A</b>		Manifest Document No. <b>02</b>		2. Page 1 of 1	
3. Generator's Name and Mailing Address <b>City of Rochester 415 Orchard Street - 354 Whitney Street Rochester, NY 14606 585-314-1719</b>				SAME			
5. Transporter 1 Company Name <b>Ricelli Trucking</b>		6. US EPA ID Number		A. State Transporter's ID <b>7A-402</b>		B. Transporter 1 Phone <b>585-370-0331</b>	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID		D. Transporter 2 Phone	
9. Designated Facility Name and Site Address <b>Waste Management Mill Seat Landfill 303 Brew Road Bergen, NY 14416</b>				10. US EPA ID Number		E. State Facility's ID	
				F. Facility's Phone <b>800-843-3804</b>			
11. WASTE DESCRIPTION			Containers		13. Total Quantity		14. Unit Wt./Vol.
			No. Type				
a. <b>Non RCRA, Non DOT Regulated Solids (Petroleum and Metal Impacted Soil and Debris)</b>			<b>1 DT</b>		<b>Est</b>		<b>ton</b>
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above				H. Handling Codes for Wastes Listed Above			
a. <b>Job #RLUE0007</b>		c. <b>WM Profile #: 108658NY</b>		a.		c.	
b.		d.		b.		d.	
15. Special Handling Instructions and Additional Information <b>In case of emergency call 1-800-225-6750. OP-TECH ENVIRONMENTAL SERVICES, INC. PA-AH-0599</b>							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name <b>JANE MH FORBES</b>			Signature <i>Jane M Forbes</i>			Date <b>4/6/12</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name <i>Grey S</i>			Signature <i>Grey S</i>			Date <b>4/16/12</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name			Signature			Date	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name <i>Jim King</i>			Signature <i>Jim King</i>			Date <b>4/16/12</b>	

NON-HAZARDOUS WASTE

GENERATOR  
TRANSPORTER  
FACILITY



Mill Seat Landfill  
 303 Brew Rd.  
 Bergen, NY, 14416  
 Ph: (585) 494-3000

Original  
 Ticket# 683419

Customer Name OPTECHENVIRONMENTAL-108658NY Carrier RIC RICELLI ENTERPRISES  
 Ticket Date 04/06/2012 Vehicle# 51PUP Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0001340  
 State Waste Code Gen EPA ID NOT REQUIRED  
 Manifest 03  
 Destination Grid 913  
 PO 1) RLUE007 2) LU ENGINEERS RBD 3) LU ENGINEERS RBD  
 Profile 108658NY (NON RCRA IMPACTED SOILS)  
 Generator 190-ROCHESTERCTYQRCHARDWHITNEY CITY OF ROCHESTER

	Time	Scale	Operator	Inbound	Gross	124980 lb
In	04/06/2012 09:28:53	Scale1	KKING5		Tare	43840 lb
Out	04/06/2012 09:45:31	Scale2	KKING5		Net	81140 lb
					Tons	40.57

Comments

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC-	100	40.57	Tons				MON
2 FUEL-Fuel Surchang	100		%				MON
3 EVF-P-Standard Env	100		%				MON

Total Tax  
 Total Ticket

Driver's Signature \_\_\_\_\_





# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>N/A</b>		Manifest Document No. <b>03</b>	2. Page 1 of <b>1</b>	
3. Generator's Name and Mailing Address <b>City of Rochester 415 Orchard Street - 354 Whitney Street Rochester, NY 14606</b>				<b>SAME</b>		
4. Generator's Phone ( ) <b>585-314-1719</b>						
5. Transporter 1 Company Name <b>Riccelli Trucking</b>		6. US EPA ID Number		A. State Transporter's ID <b>1A-402</b>		
				B. Transporter 1 Phone <b>585-370-0331</b>		
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID		
				D. Transporter 2 Phone		
9. Designated Facility Name and Site Address <b>Waste Management Mill Seat Landfill 303 Brew Road Bergen, NY 14416</b>		10. US EPA ID Number		E. State Facility's ID		
				F. Facility's Phone <b>800-843-3604</b>		
11. WASTE DESCRIPTION			Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. <b>Non RCRA, Non DOT Regulated Solids (Petroleum and Metal Impacted Soil and Debris)</b>			<b>1</b>	<b>DT</b>	<b>Est.</b>	<b>ton</b>
b.						
c.						
d.						
G. Additional Descriptions for Materials Listed Above				H. Handling Codes for Wastes Listed Above		
a. <b>Job #RLUE0007</b>		c. <b>WM Profile #: 108658NY</b>		a.		c.
b.		d.		b.		d.
15. Special Handling Instructions and Additional Information						
<b>In case of emergency call 1-800-225-6750. OP-TECH ENVIRONMENTAL SERVICES, INC. PA-AH-0599</b>						
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.						
Printed/Typed Name <b>JANE MH FORBES</b>				Signature <i>Jane M H Forbes</i>		Date Month Day Year <b>4   6   12</b>
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name <i>John Miller</i>				Signature <i>John Miller</i>		Date Month Day Year <b>9   6   12</b>
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name				Signature		Date Month Day Year
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.						
Printed/Typed Name <i>Jim King</i>				Signature <i>Jim King</i>		Date Month Day Year <b>4   6   12</b>

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



Mill Seat Landfill  
 303 Brew Rd.  
 Bergen, NY, 14416  
 Ph: (585) 494-3000

Original  
 Ticket# 683427

Customer Name OPTECHEENVIRONMENTAL-108658NY Carrier RIC RICELLI ENTERPRISES  
 Ticket Date 04/06/2012 Vehicle# 78PUP Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0001340  
 State Waste Code Gen EPA ID NOT REQUIRED  
 Manifest 04  
 Destination Grid S13  
 PO 1) ALUE0007 2) LU ENGINEERS RBO 3) LU ENGINEERS RBO  
 Profile 108658NY (NON RCRA IMPACTED SOILS)  
 Generator 190-ROCHESTERCTYORCHARDWHITNEY CITY OF ROCHESTER

	Time	Scale	Operator	Inbound	Gross	
In	04/06/2012 10:10:21	Scale1	KKINGS			115580 lb
					Tare	43860 lb
Out	04/06/2012 10:33:14	Scale2	KKINGS		Net	71720 lb
					Tons	35.86

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RBO- 100		35.86	Tons				MON
2 FUEL-Fuel Surchang 100			%				MON
3 EVF-P-Standard Env 100			%				MON

Total Tax  
 Total Ticket

Driver's Signature \_\_\_\_\_

# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>N/A</b>		Manifest Document No. <b>04</b>	2. Page 1 of 1
3. Generator's Name and Mailing Address <b>City of Rochester 415 Orchard Street - 354 Whitney Street Rochester, NY 14606</b>				<b>SAME</b>	
4. Generator's Phone <b>585-314-1719</b>					
5. Transporter 1 Company Name <b>Riccelli Trucking</b>		6. US EPA ID Number		A. State Transporter's ID <b>7A-402</b>	
				B. Transporter 1 Phone <b>585-370-0331</b>	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID	
				D. Transporter 2 Phone	
9. Designated Facility Name and Site Address <b>Waste Management Mill Seat Landfill 303 Brew Road Bergen, NY 14416</b>		10. US EPA ID Number		E. State Facility's ID	
				F. Facility's Phone <b>800-843-3604</b>	
11. WASTE DESCRIPTION			Containers No.	13. Total Quantity	14. Unit Wt./Vol.
a. <b>Non RCRA, Non DOT Regulated Solids (Petroleum and Metal Impacted Soil and Debris)</b>			<b>1</b>	<b>DT</b>	<b>35 Est. ton</b>
b.					
c.					
d.					
G. Additional Descriptions for Materials Listed Above			H. Handling Codes for Wastes Listed Above		
a. <b>Job #RLUE0007</b>			c. <b>WM Profile #: 108658NY</b>		
b.			d.		
15. Special Handling Instructions and Additional Information					
<b>In case of emergency call 1-800-225-6750. OP-TECH ENVIRONMENTAL SERVICES, INC. PA-AH-0599</b>					
18. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.					
Printed/Typed Name <b>JANE M H FORBES</b>				Signature <i>Jane M H Forbes</i>	Date Month Day Year <b>4   6   12</b>
17. Transporter 1 Acknowledgement of Receipt of Materials				Date	
Printed/Typed Name <b>Grey S</b>				Signature <i>Grey S</i>	Month Day Year <b>4   6   12</b>
18. Transporter 2 Acknowledgement of Receipt of Materials				Date	
Printed/Typed Name				Signature	Month Day Year
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.					
Printed/Typed Name <b>Kim King</b>				Signature <i>Kim King</i>	Date Month Day Year <b>4   6   12</b>

NON-HAZARDOUS WASTE GENERATOR



Mill Seat Landfill  
 303 Brew Rd.  
 Bergen, NY, 14416  
 Ph: (585) 494-3000

Original  
 Ticket# 683434

Customer Name OPTECHEENVIRONMENTAL-108658NY Carrier RIC RICELLI ENTERPRISES  
 Ticket Date 04/06/2012 Vehicle# 49 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver DAN M.  
 Hauling Ticket# Check#  
 Route 72500 Billing # 0001340  
 State Waste Code Gen EPA ID NOT REQUIRED  
 Manifest 05  
 Destination Grid S13  
 PC 1) RLVE0007 2) LU ENGINEERS R80 3) LU ENGINEERS R80  
 Profile 108658NY (NON RCRA IMPACTED SOILS)  
 Generator 190-ROCHESTERCTYORCHARDWHITNEY CITY OF ROCHESTER

Time	Scale	Operator	Inbound	Gross	74540 lb
In 04/06/2012 10:24:29	Scaled	KKING5		Tare	29500 lb
Out 04/06/2012 10:24:29		KKING5		Net	45040 lb
				Tons	22.52

Comments This vehicle was over the legal weight limit .

Product	LD%	Qty	UDF	Rate	Tax	Amount	Origin
1 Cont Soil Pet-R80-	100	22.52	Tons				MON
2 FUEL-Fuel Surcharg	<del>100</del>		%				MON
3 EVF-P-Standard Env	100		%				MON

Total Tax  
 Total Ticket

Driver's Signature \_\_\_\_\_



2:049

# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>N/A</b>	Manifest Document No. <b>05</b>	2. Page 1 of <b>1</b>
3. Generator's Name and Mailing Address <b>City of Rochester 415 Orchard Street - 354 Whitney Street Rochester, NY 14606</b>			<b>SAME</b>	
4. Generator's Phone <b>585-314-1719</b>		6. US EPA ID Number	A. State Transporter's ID <b>7A-402</b>	B. Transporter 1 Phone <b>585-370-0331</b>
5. Transporter 1 Company Name <b>Riccelli Trucking</b>		7. Transporter 2 Company Name	C. State Transporter's ID	D. Transporter 2 Phone
9. Designated Facility Name and Site Address <b>Waste Management Mill Seat Landfill 303 Brew Road Bergen, NY 14416</b>		10. US EPA ID Number	E. State Facility's ID	
			F. Facility's Phone <b>800-843-3604</b>	
11. WASTE DESCRIPTION		Containers No. Type	13. Total Quantity	14. Unit WT./Vol.
a. <b>Non RCRA, Non DOT Regulated Solids (Petroleum and Metal Impacted Soil and Debris)</b>		<b>1 DT</b>	<b>22 Est.</b>	<b>ton</b>
b.				
c.				
d.				
G. Additional Descriptions for Materials Listed Above <b>a. Job #RLUE0007      c. WM Profile #: 108658NY</b> <b>b.                                      d.</b>			H. Handling Codes for Wastes Listed Above <b>a.                                      c.</b> <b>b.                                      d.</b>	
15. Special Handling Instructions and Additional Information <b>In case of emergency call 1-800-225-6750. OP-TECH ENVIRONMENTAL SERVICES, INC. PA-AH-0599</b>				
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.				
Printed/Typed Name <b>JANE MH FORBES</b>		Signature <i>Jane Forbes</i>	Date <b>4/6/12</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <i>Jim King</i>		Signature <i>Jim King</i>	Date <b>4/6/12</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature	Date	
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.				
Printed/Typed Name <i>Jim King</i>		Signature <i>Jim King</i>	Date <b>4/6/12</b>	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



Mill Seat Landfill  
 303 Brew Rd.  
 Bergen, NY, 14416  
 Ph: (585) 494-3000

Original  
 Ticket# 883440

Customer Name OPTECHENVIRONMENTAL-108658NY Carrier RID RICELLI ENTERPRISES  
 Ticket Date 04/06/2012 Vehicle# 15 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver NOV 12 2012  
 Hauling Ticket# Check#  
 Route 67500 Billing # 0001340  
 State Waste Code Gen EPA ID NOT REQUIRED  
 Manifest 06  
 Destination Grid S13  
 PD 1) RLEU0007 2) LU ENGINEERS R80 3) LU ENGINEERS R80  
 Profile 108658NY (NON RCRA IMPACTED SOILS)  
 Generator 190-ROCHESTERCTYORCHARDWHITNEY CITY OF ROCHESTER

	Time	Scale	Operator	Inbound	Gross	71040 lb
In	04/06/2012 10:37:38	Scale1	KKING5		Tare	28880 lb
Out	04/06/2012 10:37:38		KKING5		Net	42160 lb
					Tons	21.08

Comments This vehicle was over the legal weight limit .

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-RGC-	100	21.08	Tons			MON
2	FUEL-Fuel Surcharg	100	%				MON
3	EVF-P-Standard Env	100	%				MON

Total Tax  
 Total Ticket

Driver's Signature \_\_\_\_\_



# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>N/A</b>		Manifest Document No. <b>06</b>	2. Page 1 of <b>1</b>
3. Generator's Name and Mailing Address <b>City of Rochester 415 Orchard Street - 354 Whitney Street Rochester, NY 14606</b>				<b>SAME</b>	
4. Generator's Phone ( ) <b>585-314-1719</b>					
5. Transporter 1 Company Name <b>Riccelli Trucking</b>		6. US EPA ID Number		A. State Transporter's ID <b>7A-402</b>	
				B. Transporter 1 Phone <b>585-370-0331</b>	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID	
				D. Transporter 2 Phone	
9. Designated Facility Name and Site Address <b>Waste Management Mill Seat Landfill 303 Brew Road Bergen, NY 14416</b>		10. US EPA ID Number		E. State Facility's ID	
				F. Facility's Phone <b>800-843-3604</b>	
11. WASTE DESCRIPTION			Containers		13. Total Quantity
			No.	Type	
a. <b>Non RCRA, Non DOT Regulated Solids (Petroleum and Metal Impacted Soil and Debris)</b>			<b>1</b>	<b>DT</b>	<b>22 Est. ton</b>
b.					
c.					
d.					
G. Additional Descriptions for Materials Listed Above			H. Handling Codes for Wastes Listed Above		
a. <b>Job #RLUE0007</b>			c. <b>WM Profile #: 108658NY</b>		
b.			d.		
15. Special Handling Instructions and Additional Information  <b>In case of emergency call 1-800-225-6750. OP-TECH ENVIRONMENTAL SERVICES, INC. PA-AH-0599</b>					
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.					
Printed/Typed Name <b>JANE M H FORBES</b>				Signature <i>Jane M Forbes</i>	
				Date <b>4   6   12</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name <i>Rick N. ...</i>				Signature <i>Rick N. ...</i>	
				Date <b>9   6   12</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name				Signature	
				Date	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.					
Printed/Typed Name <i>Jim King</i>				Signature <i>Jim King</i>	
				Date <b>4   6   12</b>	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



Mill Seat Landfill  
 303 Brew Rd.  
 Bergen, NY, 14416  
 Ph: (585) 494-3000

Original  
 Ticket# 683445

Customer Name OPTECHEMENVIRONMENTAL-108658NY Carrier RIC RICELLI ENTERPRISES  
 Ticket Date 04/06/2012 Vehicle# 51PUP Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0001340  
 State Waste Code Gen EPA ID NOT REQUIRED  
 Manifest 07  
 Destination Grid S13  
 PO 1) RLEU0007 2) LU ENGINEERS RBO 3) LU ENGINEERS RBO  
 Profile 108658NY (NON RCRA IMPACTED SOILS)  
 Generator 190-ROCHESTERCTYORCHARDWHITNEY CITY OF ROCHESTER

	Time	Scale	Operator	Inbound	Gross	121040 lb
In	04/06/2012 10:50:42	Scale1	KKING5		Tare	43840 lb
Out	04/06/2012 12:50:42		KKING5		Net	77200 lb
					Tons	38.60

Comments This vehicle was over the legal weight limit .

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RBC-	100	38.60	Tons				MON
2 FUEL-Fuel Surchang	100		%				MON
3 EVF-P-Standard Env	100		%				MON

Total Tax  
 Total Ticket

Driver's Signature \_\_\_\_\_





# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>N/A</b>		Manifest Document No. <b>07</b>		2. Page 1 of 1							
3. Generator's Name and Mailing Address <b>City of Rochester 415 Orchard Street - 354 Whitney Street Rochester, NY 14606</b>				<b>SAME</b>									
4. Generator's Phone ( ) <b>585-314-1719</b>													
5. Transporter 1 Company Name <b>Riccell Trucking</b>		6. US EPA ID Number		A. State Transporter's ID <b>7A-402</b>									
				B. Transporter 1 Phone <b>585-370-0331</b>									
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID									
				D. Transporter 2 Phone									
9. Designated Facility Name and Site Address <b>Waste Management Mill Seat Landfill 303 Brew Road Bergen, NY 14416</b>		10. US EPA ID Number		E. State Facility's ID									
				F. Facility's Phone <b>800-843-3604</b>									
11. WASTE DESCRIPTION				Containers		13. Total Quantity		14. Unit Wt./Vol.					
				No.		Type							
				<b>a. Non RCRA, Non DOT Regulated Solids (Petroleum and Metal Impacted Soil and Debris)</b>		<b>1</b>		<b>DT</b>		<b>Est</b>		<b>ton</b>	
				<b>b.</b>									
				<b>c.</b>									
G. Additional Descriptions for Materials Listed Above				H. Handling Codes for Wastes Listed Above									
<b>a. Job #RLUE0007</b>		<b>c. WM Profile #: 108658NY</b>		<b>a.</b>		<b>c.</b>							
<b>b.</b>		<b>d.</b>		<b>b.</b>		<b>d.</b>							
15. Special Handling Instructions and Additional Information													
<b>In case of emergency call 1-800-225-6750. OP-TECH ENVIRONMENTAL SERVICES, INC. PA-AH-0599</b>													
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.													
Printed/Typed Name <b>JANE M H FORBES</b>				Signature <i>Jane M H Forbes</i>		Date Month Day Year <b>4   6   12</b>							
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name <b>John Miller</b>		Signature <i>John Miller</i>		Date Month Day Year <b>4   6   12</b>					
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature		Date Month Day Year					
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.													
Printed/Typed Name <b>Kim King</b>				Signature <i>Kim King</i>		Date Month Day Year <b>4   6   12</b>							

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



Mill Seat Landfill  
 303 Brew Rd.  
 Bergen, NY, 14416  
 Ph: (585) 494-3000

Original  
 Ticket# 583457

Customer Name OPTECHEMENVIRONMENTAL-108658NY Carrier RIG RICELLI ENTERPRISES  
 Ticket Date 04/06/2012 Vehicle# 78 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route 72500 Billing # 0001340  
 State Waste Code Gen EPA ID NOT REQUIRED  
 Manifest 06  
 Destination Grid S13  
 PO 1) RLUE0007 2) LU ENGINEERS RBO 3) LU ENGINEERS RBO  
 Profile 108658NY (NON RCRA IMPACTED SOILS)  
 Generator 190-ROCHESTERCTYORCHARDWHITNEY CITY OF ROCHESTER

Time	Scale	Operator	Inbound	Gross	118780 lb
In 04/06/2012 11:45:04	Scale1	BSHOVE		Tare	30560 lb
Out 04/06/2012 11:45:04		BSHOVE		Net	88220 lb
				Tons	44.11

Comments This vehicle was over the legal weight limit .

Product	LDX	Qty	UDM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC-	100	44.11	Tons				MON
2 FUEL-Fuel Surcharg	100		%				
3 EVF-P-Standard Env	100		%				

Total Tax  
 Total Ticket

Driver's Signature \_\_\_\_\_



# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>	1. Generator's US EPA ID No. <b>N/A</b>	Manifest Document No. <b>08</b>	2. Page 1 of 1
3. Generator's Name and Mailing Address <b>City of Rochester 415 Orchard Street - 354 Whitney Street Rochester, NY 14806</b>		<b>SAME</b>	
4. Generator's Phone <b>585-314-1719</b>			
5. Transporter 1 Company Name <b>Ricelli Trucking</b>	6. US EPA ID Number	A. State Transporter's ID <b>7A-402</b>	B. Transporter 1 Phone <b>585-370-0331</b>
7. Transporter 2 Company Name	8. US EPA ID Number	C. State Transporter's ID	D. Transporter 2 Phone
9. Designated Facility Name and Site Address <b>Waste Management Mill Seat Landfill 303 Brew Road Bergen, NY 14416</b>	10. US EPA ID Number	E. State Facility's ID	F. Facility's Phone <b>800-843-3604</b>
11. WASTE DESCRIPTION			
		Containers No.      Type	13. Total Quantity
a. <b>Non RCRA, Non DOT Regulated Solids (Petroleum and Metal Impacted Soil and Debris)</b>		1      DT	35      Est.      ton
b.			
c.			
d.			
G. Additional Descriptions for Materials Listed Above		H. Handling Codes for Wastes Listed Above	
a. <b>Job #RLUE0007</b>		a.	
c. <b>WM Profile #: 108658NY</b>		c.	
b.		b.	
d.		d.	
15. Special Handling Instructions and Additional Information  <b>In case of emergency call 1-800-225-6750. OP-TECH ENVIRONMENTAL SERVICES, INC. PA-AH-0599</b>			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.			
Printed/Typed Name <b>JANE M H FORBES</b>		Signature <i>Jane M Forbes</i>	Date Month Day Year <b>4/6/12</b>
17. Transporter 1 Acknowledgement of Receipt of Materials		Date	
Printed/Typed Name <i>Greg</i>		Signature <i>Greg</i>	Month Day Year
18. Transporter 2 Acknowledgement of Receipt of Materials		Date	
Printed/Typed Name		Signature	Month Day Year
19. Discrepancy Indication Space			
20. Facility Owner or Operator Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.			
Printed/Typed Name <i>B Shine</i>		Signature <i>B Shine</i>	Date Month Day Year <b>4/6/12</b>

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



Mill Seat Landfill  
 303 Brew Rd.  
 Bergen, NY, 14416  
 Ph: (585) 494-3000

Original  
 Ticket# 683464

Customer Name OPTECHEMENVIRONMENTAL-108658NY Carrier PIC RICELLI ENTERPRISES  
 Ticket Date 04/06/2012 Vehicle# 49 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver DAN M.  
 Hauling Ticket# Check#  
 Route 72500 Billing # 0001340  
 State Waste Code Gen EPA ID NOT REQUIRED  
 Manifest 09  
 Destination Grid S13  
 PO 1) BLUE0007 2) LU ENGINEERS R00 3) LU ENGINEERS R00  
 Profile 108658NY (NON RCRA IMPACTED SOILS)  
 Generator 190-ROCHESTERCTYDORCHARDWHITNEY CITY OF ROCHESTER

Time	Scale	Operator	Inbound	Gross	71180 lb
In 04/06/2012 11:55:43	Scale1	BSHOVE		Tare	29500 lb
Out 04/06/2012 11:55:43		BSHOVE		Net	41680 lb
				Tons	20.84

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-R00- 100		20.84	Tons				MON
2 FUEL-Fuel Surchang 100			%				MON
3 EVF-P-Standard Env 100			%				MON

Total Tax  
 Total Ticket

Driver's Signature \_\_\_\_\_

K.C. 49

# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>N/A</b>		Manifest Document No. <b>09</b>	2. Page <b>1</b> of <b>1</b>	
3. Generator's Name and Mailing Address <b>City of Rochester 415 Orchard Street - 354 Whitney Street Rochester, NY 14606</b>				<b>SAME</b>		
4. Generator's Phone <b>585-314-1719</b>		5. Transporter 1 Company Name <b>Riccelli Trucking</b>		6. US EPA ID Number		
7. Transporter 2 Company Name		8. US EPA ID Number		A. State Transporter's ID <b>7A-402</b>		
9. Designated Facility Name and Site Address <b>Waste Management Mill Seat Landfill 303 Brew Road Bergen, NY 14416</b>		10. US EPA ID Number		B. Transporter 1 Phone <b>585-370-0331</b>		
				C. State Transporter's ID		
				D. Transporter 2 Phone		
				E. State Facility's ID		
				F. Facility's Phone <b>800-843-3604</b>		
11. WASTE DESCRIPTION			Containers		13. Total Quantity	14. Unit Wt./Vol.
			No.	Type		
a. <b>Non RCRA, Non DOT Regulated Solids (Petroleum and Metal Impacted Soil and Debris)</b>			<b>1</b>	<b>DT</b>	<b>Est</b>	<b>ton</b>
b.						
c.						
d.						
G. Additional Descriptions for Materials Listed Above				H. Handling Codes for Wastes Listed Above		
a. <b>Job #RLUE0007</b>		c. <b>WM Profile #: 108658NY</b>		a.		c.
b.		d.		b.		d.
15. Special Handling Instructions and Additional Information  <b>In case of emergency call 1-800-225-6750. OP-TECH ENVIRONMENTAL SERVICES, INC. PA-AH-0599</b>						
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.						
Printed/Typed Name <b>JANE MH FORBES</b>				Signature <i>Jane M Forbes</i>		Date Month Day Year <b>4   6   12</b>
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Ken Manayka</i>		Date Month Day Year <b>4   6   12</b>
Printed/Typed Name <b>Ken Manayka 634</b>				Signature <i>Ken Manayka</i>		Date Month Day Year <b>4   6   12</b>
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year
Printed/Typed Name				Signature		Date Month Day Year
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.						
Printed/Typed Name <i>[Signature]</i>				Signature <i>[Signature]</i>		Date Month Day Year <b>4   6   12</b>

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



Mill Seat Landfill  
 303 Brew Rd.  
 Bergen, NY, 14416  
 Ph: (585) 494-3000

Original  
 Ticket# 683467

Customer Name OPTECHEENVIRONMENTAL-108658NY Carrier RIC RICELLI ENTERPRISES  
 Ticket Date 04/06/2012 Vehicle# 15 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver NOV 12 2012  
 Hauling Ticket# Check#  
 Route 67500 Billing # 0001340  
 State Waste Code Gen EPA ID NOT REQUIRED  
 Manifest 10  
 Destination Grid S13  
 PO 1) RLUE0007 2) LU ENGINEERS RBO 3) LU ENGINEERS RBO  
 Profile 108658NY (NON RCRA IMPACTED SOILS)  
 Generator 190-ROCHESTERCTYORCHARDWHITNEY CITY OF ROCHESTER

Time	Scale	Operator	Inbound	Gross	70100 lb
In 04/06/2012 12:11:08	Scale1	KKINGS		Tare	28880 lb
Out 04/06/2012 12:11:08		KKINGS		Net	41220 lb
				Tons	20.51

Comments This vehicle was over the legal weight limit .

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RBC-	100	20.51	Tons				MDN
2 FUEL-Fuel Surcharg	100		%				MDN
3 EVF-P-Standard Env	100		%				MDN

Total Tax  
 Total Ticket

Driver's Signature \_\_\_\_\_



# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>N/A</b>		Manifest Document No. <b>10</b>		2. Page 1 of 1	
3. Generator's Name and Mailing Address <b>City of Rochester 415 Orchard Street - 354 Whitney Street Rochester, NY 14606</b>				<b>SAME</b>			
4. Generator's Phone ( ) <b>585-314-1719</b>							
5. Transporter 1 Company Name <b>Riccelli Trucking</b>		6. US EPA ID Number		A. State Transporter's ID <b>7A-402</b>		B. Transporter 1 Phone <b>585-370-0331</b>	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID		D. Transporter 2 Phone	
9. Designated Facility Name and Site Address <b>Waste Management Mill Seat Landfill 303 Brew Road Bergen, NY 14416</b>		10. US EPA ID Number		E. State Facility's ID		F. Facility's Phone <b>800-843-3604</b>	
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		Unit Wt./Vol.	
a. <b>Non RCRA, Non DOT Regulated Solids (Petroleum and Metal Impacted Soil and Debris)</b>				<b>1 DT</b>		<b>22 Est ton</b>	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above				H. Handling Codes for Wastes Listed Above			
a. <b>Job #RLUE0007</b>		c. <b>WM Profile #: 108658NY</b>		a.		c.	
b.		d.		b.		d.	
15. Special Handling Instructions and Additional Information <b>In case of emergency call 1-800-225-6750. OP-TECH ENVIRONMENTAL SERVICES, INC. PA-AH-0599</b>							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name <b>JANE MH FORBES</b>				Signature <i>Jane M Forbes</i>		Date <b>4   6   12</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Rick Neasinger</i>		Date <b>4   6   12</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date	
Printed/Typed Name				Signature		Date	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name <i>Kim King</i>				Signature <i>Kim King</i>		Date <b>4   6   12</b>	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



Mill Seat Landfill  
 303 Brew Rd.  
 Bergen, NY, 14416  
 Ph: (585) 494-3000

Original  
 Ticket# 683472

Customer Name OPTECHEENVIRONMENTAL-108658NY Carrier RIC RICELLI ENTERPRISES  
 Ticket Date 04/06/2012 Vehicle# 51PUP Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0001340  
 State Waste Code Gen EPA ID NOT REQUIRED  
 Manifest 11  
 Destination Grid 513  
 PO 1) RLUE0007 2) LU ENGINEERS RBO 3) LU ENGINEERS RBO  
 Profile 108658NY (NON RCRA IMPACTED SOILS)  
 Generator 190-ROCHESTERCTYORCHARDWHITNEY CITY OF ROCHESTER

Time	Scale	Operator	Inbound	Gross	119820 lb
In 04/06/2012 12:17:52	Scale1	KKING5		Tare	43840 lb
Out 04/06/2012 12:17:52		KKING5		Net	75980 lb
				Tons	37.99

Comments This vehicle was over the legal weight limit .

Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RBO-	100	37.99	Tons				MON
2 FUEL-Fuel Surcharg	100		%				MON
3 EVF-P-Standard Env	100		%				MON

Total Tax  
 Total Ticket

Driver's Signature \_\_\_\_\_





# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>N/A</b>		Manifest Document No. <b>11</b>	2. Page 1 of <b>1</b>
3. Generator's Name and Mailing Address <b>City of Rochester 415 Orchard Street - 354 Whitney Street Rochester, NY 14606</b>				<b>SAME</b>	
4. Generator's Phone ( ) <b>585-314-1719</b>					
5. Transporter 1 Company Name <b>Riccelli Trucking</b>		6. US EPA ID Number		A. State Transporter's ID <b>7A-402</b>	
				B. Transporter 1 Phone <b>585-370-0331</b>	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID	
				D. Transporter 2 Phone	
9. Designated Facility Name and Site Address <b>Waste Management Mill Seat Landfill 303 Brew Road Bergen, NY 14416</b>		10. US EPA ID Number		E. State Facility's ID	
				F. Facility's Phone <b>800-843-3604</b>	
11. WASTE DESCRIPTION			Containers		13. Total Quantity
			No.	Type	
a. <b>Non RCRA, Non DOT Regulated Solids (Petroleum and Metal Impacted Soil and Debris)</b>			<b>1</b>	<b>DT</b>	<b>35 Est ton</b>
b.					
c.					
d.					
G. Additional Descriptions for Materials Listed Above				H. Handling Codes for Wastes Listed Above	
a. <b>Job #RLUE0007</b>		c. <b>WM Profile #: 108658NY</b>		a.	
b.		d.		b.	
				c.	
				d.	
15. Special Handling Instructions and Additional Information					
<b>In case of emergency call 1-800-225-6750. OP-TECH ENVIRONMENTAL SERVICES, INC. PA-AH-0599</b>					
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.					
Printed/Typed Name <b>JANE MH FORBES</b>				Date Month Day Year <b>4   6   12</b>	
Signature <i>Jane M Forbes</i>					
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name <b>John Miller</b>				Date Month Day Year <b>4   6   12</b>	
Signature <i>John Miller</i>					
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name				Date Month Day Year	
Signature					
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.					
Printed/Typed Name <b>Dyn King</b>				Date Month Day Year <b>4   6   12</b>	
Signature <i>Dyn King</i>					

NON-HAZARDOUS WASTE GENERATOR TRANSPORTER FACILITY



Mill Seat Landfill  
 303 Brew Rd.  
 Bergen, NY, 14416  
 Ph: (585) 494-3000

Original  
 Ticket# 683496

Customer Name DPTECHENVIRONMENTAL-108658NY Carrier RIC RIDELLI ENTERPRISES  
 Ticket Date 04/06/2012 Vehicle# 78PUP Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0001340  
 State Waste Code Gen EPA ID NOT REQUIRED  
 Manifest 12  
 Destination Grid S13  
 PD 1) RLUE0007 2) LU ENGINEERS RBO 3) LU ENGINEERS RBO  
 Profile 108658NY (NON RCRA IMPACTED SOILS)  
 Generator 190-ROCHESTERCTYORCHARDWHITNEY CITY OF ROCHESTER

Time	Scale	Operator	Inbound	Gross	97660 lb
In 04/06/2012 13:19:37	Scale1	KKINGS		Tare	43860 lb
Out 04/06/2012 13:19:37		KKINGS		Net	53800 lb
				Tons	26.90

Comments

Product	LD%	Qty	UCM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC-	100	26.90	Tons				MON
2 FUEL-Fuel Surcharg	100		%				MON
3 EVF-P-Standard Env	100		%				MON

Total Tax  
 Total Ticket

Driver's Signature \_\_\_\_\_



# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>N/A</b>		Manifest Document No. <b>12</b>		2. Page 1 <b>1</b> of	
3. Generator's Name and Mailing Address <b>City of Rochester 415 Orchard Street - 354 Whitney Street Rochester, NY 14606</b>				<b>SAME</b>			
4. Generator's Phone ( ) <b>585-314-1719</b>							
5. Transporter 1 Company Name <b>Riccetti Trucking</b>		6. US EPA ID Number		A. State Transporter's ID <b>7A-402</b>		B. Transporter 1 Phone <b>585-370-0331</b>	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID		D. Transporter 2 Phone	
9. Designated Facility Name and Site Address <b>Waste Management Mill Seat Landfill 303 Brew Road Bergen, NY 14416</b>		10. US EPA ID Number		E. State Facility's ID		F. Facility's Phone <b>800-843-3604</b>	
11. WASTE DESCRIPTION				Containers		13. Total Quantity	14. Unit Wt./Vol.
				No.	Type		
a. <b>Non RCRA, Non DOT Regulated Solids (Petroleum and Metal Impacted Soil and Debris)</b>				<b>1</b>	<b>DT</b>	<b>35 Est</b>	<b>ton</b>
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above				H. Handling Codes for Wastes Listed Above			
a. <b>Job #RLUE0007</b>		c. <b>WM Profile #: 108658NY</b>		a.		c.	
b.		d.		b.		d.	
15. Special Handling Instructions and Additional Information  <b>In case of emergency call 1-800-225-6750. OP-TECH ENVIRONMENTAL SERVICES, INC. PA-AH-0599</b>							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name <b>JANE MIT FORSE</b>				Signature <i>Jane M. Forse</i>		Date <b>4   6   12</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name <b>Greg S.</b>		Signature <i>Greg S.</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name <b>Tom King</b>				Signature <i>Tom King</i>		Date <b>4   6   12</b>	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



Mill Seat Landfill  
 303 Brew Rd.  
 Bergen, NY, 14416  
 Ph: (585) 494-3000

Original  
 Ticket# 683499

Customer Name OPTECHEMENVIRONMENTAL-108658NY Carrier RIC RICELLI ENTERPRISES  
 Ticket Date 04/06/2012 Vehicle# 43 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver DAN M.  
 Hauling Ticket# Check#  
 Route 72500 Billing # 0001340  
 State Waste Code Gen EPA ID NOT REQUIRED  
 Manifest 13  
 Destination Grid S13  
 PO 1) BLUE0007 2) LU ENGINEERS RBO 3) LU ENGINEERS RBO  
 Profile 108658NY (NON RCRA IMPACTED SOILS)  
 Generator 190-ROCHESTERCTYORCHARDWHITNEY CITY OF ROCHESTER

Time	Scale	Operator	Inbound	Gross	71840 lb
In 04/06/2012 13:28:08	Scale1	KKINGS		Tare	29500 lb
Out 04/06/2012 13:28:08		KKINGS		Net	42340 lb
				Tons	21.17

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC-	100	21.17	Tons				MON
2 FUEL-Fuel Surcharg	100		%				MON
2 EVF-P-Standard Env	100		%				MON

Total Tax  
 Total Ticket

Driver's Signature \_\_\_\_\_



R51049

# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>N/A</b>	Manifest Document No. <b>13</b>	2. Page 1 of <b>1</b>
3. Generator's Name and Mailing Address <b>City of Rochester 415 Orchard Street - 354 Whitney Street Rochester, NY 14606</b>			<b>SAME</b>	
4. Generator's Phone <b>585-314-1719</b>				
5. Transporter 1 Company Name <b>Riccelli Trucking</b>		6. US EPA ID Number	A. State Transporter's ID <b>7A-402</b>	
			B. Transporter 1 Phone <b>585-370-0331</b>	
7. Transporter 2 Company Name		8. US EPA ID Number	C. State Transporter's ID	
			D. Transporter 2 Phone	
9. Designated Facility Name and Site Address <b>Waste Management Mill Seat Landfill 303 Brew Road Bergen, NY 14416</b>		10. US EPA ID Number	E. State Facility's ID	
			F. Facility's Phone <b>800-843-3604</b>	
11. WASTE DESCRIPTION				
		Containers No.	Type	13. Total Quantity
a. <b>Non RCRA, Non DOT Regulated Solids (Petroleum and Metal Impacted Soil and Debris)</b>		<b>1</b>	<b>DT</b>	<b>Est ton</b>
b.				
c.				
d.				
G. Additional Descriptions for Materials Listed Above			H. Handling Codes for Wastes Listed Above	
a. <b>Job #RLUE0007</b>			a.	
c. <b>WM Profile #: 108658NY</b>			c.	
b.			b.	
d.			d.	
15. Special Handling Instructions and Additional Information <b>In case of emergency call 1-800-225-6750. OP-TECH ENVIRONMENTAL SERVICES, INC. PA-AH-0599</b>				
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.				
Printed/Typed Name <b>JANE MH FORBES</b>		Signature <i>Jane Forbes</i>	Date Month Day Year <b>4/6/12</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials		Date		
Printed/Typed Name <b>Jan Mansha 631</b>		Signature <i>Jan Mansha</i>	Month Day Year <b>4/6/12</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials		Date		
Printed/Typed Name		Signature	Month Day Year	
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.				
Printed/Typed Name <b>Sam King</b>		Signature <i>Sam King</i>	Date Month Day Year <b>4/6/12</b>	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



Mill Seat Landfill  
 303 Brew Rd.  
 Bergen, NY, 14416  
 Ph: (585) 494-3000

Original  
 Ticket# 683501

Customer Name OPTECHEMIRONMENTAL-108658NY Carrier RID RICELLI ENTERPRISES  
 Ticket Date 04/06/2012 Vehicle# 51PUF Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Routes Billing # 0001340  
 State Waste Code Gen EPA ID NOT REQUIRED  
 Manifest 14  
 Destination Grid S13  
 PG 1) RLUE0007 2) LU ENGINEERS R30 3) LU ENGINEERS R80  
 Profile 108658NY (NON RCRA IMPACTED SOILS)  
 Generator 190-ROCHESTERCTYORCHARDWHITNEY CITY OF ROCHESTER

Time	Scale	Operator	Inbound	Gross	124680 lb
In 04/06/2012 13:32:57	Scale1	KKING5		Tare	43840 lb
Out 04/06/2012 13:32:57		KKING5		Net	80840 lb
				Tons	40.42

Comments This vehicle was over the legal weight limit .

Product	LD%	Dty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC-	100	40.42	Tons				MON
2 FUEL-Fuel Surcharg	100		%				MON
3 EVF-P-Standard Env	100		%				MON


Total Tax  
 Total Ticket

Driver's Signature \_\_\_\_\_



# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>N/A</b>	Manifest Document No. <b>14</b>	2. Page 1 of <b>1</b>
3. Generator's Name and Mailing Address <b>City of Rochester 415 Orchard Street - 354 Whitney Street Rochester, NY 14606</b>			<b>SAME</b>	
4. Generator's Phone ( ) <b>585-314-1719</b>				
5. Transporter 1 Company Name <b>Riccelli Trucking</b>	6. US EPA ID Number	A. State Transporter's ID <b>7A-402</b>	B. Transporter 1 Phone <b>585-370-0331</b>	
7. Transporter 2 Company Name	8. US EPA ID Number	C. State Transporter's ID	D. Transporter 2 Phone	
9. Designated Facility Name and Site Address <b>Waste Management Mtn Seat Landfill 303 Brew Road Bergen, NY 14416</b>		10. US EPA ID Number	E. State Facility's ID	
			F. Facility's Phone <b>800-843-3604</b>	
11. WASTE DESCRIPTION		Containers No.	Type	13. Total Quantity
a. <b>Non RCRA, Non DOT Regulated Solids (Petroleum and Metal Impacted Soil and Debris)</b>		<b>1</b>	<b>DT</b>	<b>Est. ton</b>
b.				
c.				
d.				
G. Additional Descriptions for Materials Listed Above		H. Handling Codes for Wastes Listed Above		
a. <b>Job #RLUE0007</b>		c. <b>WM Profile #: 108658NY</b>		
b.		d.		
15. Special Handling Instructions and Additional Information				
<b>In case of emergency call 1-800-225-6750. OP-TECH ENVIRONMENTAL SERVICES, INC. PA-AH-0599</b>				
				
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.				
Printed/Typed Name <b>JANE M H FORBES</b>		Signature <i>Jane M H Forbes</i>	Date Month Day Year <b>4   6   12</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials		Date		
Printed/Typed Name <i>John Miller</i>		Signature <i>John Miller</i>	Date Month Day Year <b>4   6   12</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials		Date		
Printed/Typed Name		Signature	Date Month Day Year	
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.				
Printed/Typed Name <b>Kym King</b>		Signature <i>Kym King</i>	Date Month Day Year <b>4   6   12</b>	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



Mill Seat Landfill  
 303 Brew Rd.  
 Bergen, NY, 14416  
 Ph: (585) 494-3000

Original  
 Ticket# 683510

Customer Name OPTECHEENVIRONMENTAL-108658NY Carrier RIC RICELLI ENTERPRISES  
 Ticket Date 04/06/2012 Vehicle# 15 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver NOV 12 2012  
 Hauling Ticket# Check#  
 Route 67500 Billing # 0001340  
 State Waste Code Gen EPA ID NOT REQUIRED  
 Manifest 15  
 Destination Grid S13  
 PO 1) RLUE0007 2) LU ENGINEERS RBO 3) LU ENGINEERS RBO  
 Profile 108658NY (NON RCRA IMPACTED SOILS)  
 Generator 190-ROCHESTERCTYORCHARDWHITNEY CITY OF ROCHESTER

	Time	Scale	Operator	Inbound	Gross	71200 lb
In	04/06/2012 14:00:32	Scale1	KKINGS		Tare	28800 lb
Out	04/06/2012 14:00:32		KKINGS		Net	42320 lb
					Tons	21.16

Comments This vehicle was over the legal weight limit .

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RBO-	100	21.16	Tons				MON
2 FUEL-Fuel Surchang	100		%				MON
3 EVF-P-Standard Env	100		%				MON

Total Tax  
 Total Ticket

Driver's Signature \_\_\_\_\_





# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>N/A</b>	Manifest Document No. <b>15</b>	2. Page 1 of <b>1</b>
3. Generator's Name and Mailing Address <b>City of Rochester 415 Orchard Street - 354 Whitney Street Rochester, NY 14606</b>			<b>SAME</b>	
4. Generator's Phone <b>585-314-1719</b>		6. US EPA ID Number	A. State Transporter's ID <b>7A-402</b>	B. Transporter 1 Phone <b>585-370-0331</b>
5. Transporter 1 Company Name <b>Ricelli Trucking</b>		7. Transporter 2 Company Name	C. State Transporter's ID	D. Transporter 2 Phone
9. Designated Facility Name and Site Address <b>Waste Management Mill Seat Landfill 303 Brew Road Bergen, NY 14416</b>		10. US EPA ID Number	E. State Facility's ID	F. Facility's Phone <b>800-843-3604</b>
11. WASTE DESCRIPTION		Containers		13. Total Quantity
		No.	Type	14. Unit Wt./Vol.
a. <b>Non RCRA, Non DOT Regulated Solids (Petroleum and Metal Impacted Soil and Debris)</b>		<b>1</b>	<b>DT</b>	<b>Est.</b>
b.				
c.				
d.				
G. Additional Descriptions for Materials Listed Above			H. Handling Codes for Wastes Listed Above	
a. <b>Job #RLUE0007</b>			a.	
c. <b>WM Profile #: 108658NY</b>			c.	
b.			b.	
d.			d.	
15. Special Handling Instructions and Additional Information				
<b>In case of emergency call 1-800-225-6750. OP-TECH ENVIRONMENTAL SERVICES, INC. PA-AH-0599</b>				
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.				
Printed/Typed Name <b>JANE MIT FORBES</b>		Signature <i>Jane M Forbes</i>	Date Month Day Year <b>4   6   12</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed/Typed Name <b>Rick NERSINGER</b>		Signature <i>Rick Nersinger</i>	Date Month Day Year <b>4   6   12</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name		Signature	Date Month Day Year	
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.				
Printed/Typed Name <b>Jim King</b>		Signature <i>Jim King</i>	Date Month Day Year <b>4   6   12</b>	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



Mill Seat Landfill  
303 Brew Rd.  
Bergen, NY, 14416  
Ph: (585) 494-3000

Original  
Ticket# 684358

Customer Name	OPTCHENVIRDNMENTAL-108658NY	Carrier	RIC RICELLI ENTERPRISES
Ticket Date	04/16/2012	Vehicle#	17T412
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0001340
State Waste Code		Gen EPA ID	NOT REQUIRED
Manifest	16	Grid	L21
Destination			
PO	1) RLUE0007 2) LU ENGINEERS RBO 3) LU ENGINEERS RBO		
Profile	108658NY (NON RCRA IMPACTED SOILS)		
Generator	190-ROCHESTERCTYORCHARDWHITNEY CITY OF ROCHESTER		

	Time	Scale	Operator	Inbound	Gross	108620 lb
In	04/16/2012 08:25:00	Scale1	KKINGS		Tare	39200 lb
Out	04/16/2012 08:48:09	Scale2	KKINGS		Net	69420 lb
					Tons	34.71

Comments

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-RGC-	100	34.71	Tons				MON
2 FUEL-Fuel Surcharg	100		%				MON
3 EVF-P-Standard Env	100		%				MON

Total Tax  
Total Ticket

Driver's Signature \_\_\_\_\_



# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <span style="float: right;">N/A</span>		Manifest Document No. <span style="float: right;">16</span>		2. Page 1 of 1					
3. Generator's Name and Mailing Address <b>City of Rochester 415 Orchard Street - 354 Whitney Street Rochester, NY 14606 585-314-1719</b>				SAME							
4. Generator's Phone ( )											
5. Transporter 1 Company Name <b>Recycle Trucking</b>		6. US EPA ID Number		A. State Transporter's ID <span style="float: right;">7A-402</span>		B. Transporter 1 Phone <span style="float: right;">585-370-0031</span>					
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID		D. Transporter 2 Phone					
9. Designated Facility Name and Site Address <b>West Management and Seat Landfill 303 Brew Road Bergen, NY 14416</b>		10. US EPA ID Number		E. State Facility's ID		F. Facility's Phone <span style="float: right;">800-843-3604</span>					
11. WASTE DESCRIPTION				Containers		13. Total Quantity		14. Unit Wt./Vol.			
				No.		Type					
a. <b>Non RCRA, Non DOT Regulated Solids (Petroleum and Metal Impacted Soil and Debris)</b>				1		DT		33 Est. ton			
b.											
c.											
d.											
G. Additional Descriptions for Materials Listed Above				H. Handling Codes for Wastes Listed Above							
a. <b>Job #RLUE0007</b>				c. <b>WM Profile #: 108658NY</b>		a.		c.			
b.				d.		b.		d.			
15. Special Handling Instructions and Additional Information <b>In case of emergency call 1-800-225-6750. OP-TECH ENVIRONMENTAL SERVICES, INC. PA-AH-0599</b>											
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.											
Printed/Typed Name <b>JANE M H FORBES</b>				Signature <i>Jane Forbes</i>				Date Month Day Year <b>9   16   12</b>			
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name <b>Tim Adams</b>				Signature <i>Tim Adams</i>		Date Month Day Year <b>9   16   12</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name				Signature		Date Month Day Year	
19. Discrepancy Indication Space											
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.											
Printed/Typed Name				Signature				Date Month Day Year			

GENERATOR

TRANSPORTER

FACILITY



Mill Seat Landfill  
303 Brew Rd.  
Bergen, NY, 14416  
Ph: (585) 494-3000

Original  
Ticket# 684391

Customer Name OPTECHEMENVIRONMENTAL-10865BNY  
Ticket Date 04/16/2012  
Payment Type Credit Account  
Manual Ticket#  
Hauling Ticket#  
Route  
State Waste Code  
Manifest 17  
Destination  
PO 1) RLUE0007 2) LU ENGINEERS RBO 3) LU ENGINEERS RBO  
Profile 10865BNY (NON RCRA IMPACTED SOILS)  
Generator 190-ROCHESTERCTYORCHARDWHITNEY CITY OF ROCHESTER

Carrier RIC RICELLI ENTERPRISES  
Vehicle# 17T41E Volume  
Container  
Driver  
Check#  
Billing # 0001340  
Gen EPA ID NOT REQUIRED

Grid L21

Time	Scale	Operator	Inbound	Gross	105040 lb
In 04/16/2012 10:14:16	Scale1	KKINGS		Tare	39200 lb
Out 04/16/2012 10:14:16		KKINGS		Net	65840 lb
				Tons	32.92

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Ret-RGC~	100	32.92	Tons				MON
2 FUEL-Fuel Surcharg	100		%				MON
3 EVF-P-Standard Env	100		%				MON

Total Tax  
Total Ticket

Driver's Signature \_\_\_\_\_



# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <span style="float: right;">N/A</span>		Manifest Document No. <span style="float: right;">150 #8 17</span>		2. Page 1 of 1	
3. Generator's Name and Mailing Address <b>415 Orchard Street - 354 Whitney Street Rochester, NY 14606 585-314-1719</b>				SAME			
4. Generator's Phone ( )				7A-402			
5. Transporter 1 Company Name <b>Top Oil Trucking</b>		6. US EPA ID Number		A. State Transporter's ID <b>585-370-0331</b>			
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID		D. Transporter 2 Phone	
9. Designated Facility Name and Site Address <b>303 Brew Road Bergen, NY 14416</b>		10. US EPA ID Number		E. State Facility's ID		F. Facility's Phone <b>800-843-3604</b>	
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit Wt./Vol.	
a. <b>Non RCRA, Non DOT Regulated Solids (Petroleum and Metal impacted Soil and Debris)</b>				1 DT		33 Est. ton	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above a. <b>Job #RLUE0007</b> c. <b>WM Profile #: 108658NY</b>				H. Handling Codes for Wastes Listed Above a.      c.			
b.				d.			
15. Special Handling Instructions and Additional Information <b>In case of emergency call 1-800-225-6750. OP-TECH ENVIRONMENTAL SERVICES, INC. PA-AH-0599</b>							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name <b>JANE MH FORBES</b>				Signature <i>Jane M Forbes</i>		Date Month Day Year <b>4   16   12</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Tim Adams</i>		Date Month Day Year <b>4   16   12</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name				Signature		Date Month Day Year	

GENERATOR

TRANSPORTER

FACILITY

**AOC-2 HAZARDOUS SOIL MANIFESTS**



**Transporter Log**  
**CWM Chemical Services, Inc.**  
 Model City, NY

189471 SCALE 2

Cubic Yards

81651270 Receipt #  
 449182244 AR20501 NY Trailer License Plate # and State  
 NY 303544 7A296  
 Service Req. # Profile # Permit # 05:13 AM 04/17/12  
 PAGE E.T.C. INC. 4180/9922 SCALE 3  
 Transporter Name Tractor/Trailer/Roll-off #  
 Tim Ruppiero City of Rochester  
 Driver's Name Generator

GROSS 90060 LB  
 GROSS 94600 LB

64360P

Scheduled Arrival: \_\_\_\_\_  
 Actual Arrival: \_\_\_\_\_  
 Date Time Date Time In Time Out 07:24 AM 04/17/12

Arrived during Blackout? Y / N Notified DEC? Y / N

Leaker  Permit Violation  Placarding/Veh. I.D. Violation

Other (specify \_\_\_\_\_)

Receiving: GR  
 Initials Comments

Bulk to Landfill  No wet line  Flatbed  Stabilization  Drums  Tanker  Transformers

Laboratory  
 Time In Time Out Initials Comments

Stabilization  
 Time In Time Out Initials Gross Wt. Comments

Landfill  
 Time In Time Out Initials Comments

Other  
 Time In Time Out Initials Comments

Aqueous Treatment  
 Time In Time Out Signature (NO Initials) Comments

**Facility Personnel** (please initial)

- \_\_\_\_\_ Smoking or eating in prohibited areas
- \_\_\_\_\_ Leaving truck unattended
- \_\_\_\_\_ Failure to obey instructions of facility personnel
- \_\_\_\_\_ Failure to display overweight flag
- \_\_\_\_\_ Failure to wear appropriate PPE
- \_\_\_\_\_ Improper tarping or detsarpin
- \_\_\_\_\_ Unsafe driving practices
- \_\_\_\_\_ Overweight upon arrival
- \_\_\_\_\_ Other (specify \_\_\_\_\_)

Security Guard Initials: \_\_\_\_\_  
 (Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>NYR000158204</b>		2. Page 1 of 1		3. Emergency Response Phone <b>500-225-8750</b>		4. Manifest Tracking Number <b>001062668 JJK</b>									
		5. Generator's Name and Mailing Address <b>City of Rochester Orchard/Whit 354 Whitney Street, Rochester, NY 14606 585-314-1719</b>						Generator's Site Address (if different than mailing address) <b>415 Orchard Street-354 Whitney Street Rochester, NY 14606</b>									
Generator's Phone:		6. Transporter 1 Company Name <b>DP-Tech-Environmental Svcs, Inc</b>						U.S. EPA ID Number <b>NYD986086753</b>									
Generator's Phone:		7. Transporter 2 Company Name						U.S. EPA ID Number									
Generator's Phone:		8. Designated Facility Name and Site Address <b>CWM Chemical Services, LLC PO Box 200, 1550 Balmer Road Model City, NY 14107 716-754-8231</b>						U.S. EPA ID Number <b>NYD0049836679</b>									
Generator's Phone:		9a. HM		9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes							
						No.	Type										
1.						1	DT						33	Est. T	D006	D007	L
2.																	
3.																	
4.																	
14. Special Handling Instructions and Additional Information <b>9a-1) Profile# NY303544, JOB#:RLUE0007</b>																	
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.																	
Generator's/Offoror's Printed/Typed Name <b>JANE M H FORBES</b>						Signature <i>Jane M Forbes</i>		Month Day Year <b>04 16 2012</b>									
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____																	
17. Transporter Acknowledgment of Receipt of Materials																	
Transporter 1 Printed/Typed Name <b>Tim Pappalardo</b>						Signature <i>Tim Pappalardo</i>		Month Day Year <b>04 16 12</b>									
Transporter 2 Printed/Typed Name						Signature		Month Day Year									
18. Discrepancy																	
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection																	
Manifest Reference Number: _____																	
18b. Alternate Facility (or Generator)						U.S. EPA ID Number											
Facility's Phone: _____																	
18c. Signature of Alternate Facility (or Generator)								Month Day Year									
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)																	
1.			2.			3.			4.								
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a																	
Printed/Typed Name						Signature		Month Day Year									

GENERATOR

TRANSPORTER INT'L

DESIGNATED FACILITY





**Transporter Log**  
**CWM Chemical Services, Inc.**  
 Model City, NY

189474

SCALE 1

50  
Cubic Yards

81651273

AC15548-NY  
Trailer License Plate # and State

GROSS 38140 LB

Receipt #  
928794-1

7A-286

06:19 AM 04/17/12  
SCALE 2

Service Req. # Profile #

Permit #  
0894-3359

Transporter Name

Tractor/Trailer/Roll-off #

DOUGLAS FOGLE

CITY OF ROCHESTER

Driver's Name

Generator

GROSS 35300 LB

62840P

Scheduled Arrival:

Actual Arrival: \_\_\_\_\_

Date

Time

5:30 7:36

07:31 AM 04/17/12

Date

Time In

Time Out

Arrived during Blackout? Y / N

Notified DEC? Y / N

Leaker  Permit Violation  Placarding/Veh. I.D. Violation

Other (specify \_\_\_\_\_)

Bulk to Landfill  No wet line  Flatbed  Stabilization  Drums  Tanker  Transformers

Receiving: <u>af</u>	_____
Initials	Comments

**Laboratory**

Time In	Time Out	Initials	Comments

**Stabilization**

Time In	Time Out	Initials	Gross Wt.	Comments

**Landfill**

Time In	Time Out	Initials	Comments

**Other**

Time In	Time Out	Initials	Comments

**Aqueous Treatment**

Time In	Time Out	Signature (NO Initials)	Comments

**Facility Personnel** (please initial)

- |                                                          |                                          |
|----------------------------------------------------------|------------------------------------------|
| _____ Smoking or eating in prohibited areas              | _____ Leaving truck unattended           |
| _____ Failure to obey instructions of facility personnel | _____ Failure to display overweight flag |
| _____ Failure to wear appropriate PPE                    | _____ Improper tarping or detarpin       |
| _____ Unsafe driving practices                           | _____ Overweight upon arrival            |
| _____ Other (specify) _____                              |                                          |

Security Guard Initials: \_\_\_\_\_  
 (Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number NYR000158204	2. Page 1 of 1	3. Emergency Response Phone 300-225-5750	4. Manifest Tracking Number <b>001062669 JJK</b>			
5. Generator's Name and Mailing Address City of Rochester Orchard/White 354 Whitney Street, Rochester, NY 14806 585-314-1719				Generator's Site Address (if different than mailing address) 415 Orchard Street-354 Whitney Street Rochester, NY 14806				
Generator's Phone:		6. Transporter 1 Company Name PAGE ETC Inc. <del>Op-Tech Environmental Svcs, Inc.</del>		U.S. EPA ID Number NYD988860753 NYD 98696947				
		7. Transporter 2 Company Name		U.S. EPA ID Number				
8. Designated Facility Name and Site Address CWM Chemical Services, LLC PO Box 200, 1550 Balmer Road Model City, NY 14107 716-754-8231				U.S. EPA ID Number NYD0049836679				
Facility's Phone:								
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type					
1.	NA3077. Hazardous Waste, Solid, N.O.S. (Cadmium, Chromium), 9, RQ, PGIII (ERG #171)	1	DT	33 Est. JT		D006	D007	L
2.								
3.								
4.								
14. Special Handling Instructions and Additional Information 9a-1) Profile# NY303544 JOB#RLUE0007								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Offeror's Printed/Typed Name JANE MH FORBES				Signature <i>Jane Forbes</i>		Month Day Year 04/16/2012		
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____								
17. Transporter Acknowledgment of Receipt of Materials								
Transporter 1 Printed/Typed Name Daughters Flight				Signature <i>[Signature]</i>		Month Day Year 04/16/12		
Transporter 2 Printed/Typed Name				Signature		Month Day Year		
18. Discrepancy								
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
Manifest Reference Number: _____								
18b. Alternate Facility (or Generator)						U.S. EPA ID Number		
Facility's Phone:								
18c. Signature of Alternate Facility (or Generator)						Month Day Year		
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
1.		2.		3.		4.		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name				Signature		Month Day Year		

GENERATOR

TRANSPORTER INT'L

DESIGNATED FACILITY



**Transporter Log**  
**CWM Chemical Services, Inc.**  
 Model City, NY

189583

Cubic Yards

81651383

2043B3-NY

GROSS 38020 LB

Receipt #

Trailer License Plate # and State

979202-1

7A296

GROSS 38020 LB

Service Req. #

Profile #

Permit #

PAGE E.T.C.

7453/5413

GROSS 38020 LB

Transporter Name

Tractor/Trailer/Roll-off #

Gary Church

OPTECH

Driver's Name

Generator

Scheduled Arrival: 4-23-12

05:30

GROSS 38020 LB

Date

Time

Actual Arrival:

Date

Time In

Time Out

5:21 7:37

Arrived during Blackout? Y / N

Notified DEC? Y / N

Receiving:

Initials

Comments

Leaker  Permit Violation  Placarding/Veh. I.D. Violation

Other (specify)

Bulk to Landfill  No wet line  Flatbed  Stabilization  Drums  Tanker  Transformers

**Laboratory**

Time In Time Out Initials Comments

**Stabilization**

Time In Time Out Initials Gross Wt. Comments

**Landfill**

Time In Time Out Initials Comments

**Other**

Time In Time Out Initials Comments

**Aqueous Treatment**

Time In Time Out Signature (NO Initials) Comments

**Facility Personnel** (please initial)

- \_\_\_\_\_ Smoking or eating in prohibited areas
- \_\_\_\_\_ Leaving truck unattended
- \_\_\_\_\_ Failure to obey instructions of facility personnel
- \_\_\_\_\_ Failure to display overweight flag
- \_\_\_\_\_ Failure to wear appropriate PPE
- \_\_\_\_\_ Improper tarping or detarpin
- \_\_\_\_\_ Unsafe driving practices
- \_\_\_\_\_ Overweight upon arrival
- \_\_\_\_\_ Other (specify)

Security Guard Initials: \_\_\_\_\_  
 (Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments

45200P

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number NYR000158204	2. Page 1 of 1	3. Emergency Response Phone 505-225-8750	4. Manifest Tracking Number <b>001062667 JJK</b>			
5. Generator's Name and Mailing Address City of Rochester Orchard/Whit 354 Whitney Street, Rochester, NY 14606 585-314-1719				Generator's Site Address (if different than mailing address) 415 Orchard Street-354 Whitney Street Rochester, NY 14606				
Generator's Phone:								
6. Transporter 1 Company Name Op-Tech Environmental Svcs, Inc. Page ETC INC		U.S. EPA ID Number NYD986980755		NYD 986980755				
7. Transporter 2 Company Name		U.S. EPA ID Number						
8. Designated Facility Name and Site Address CWM Chemical Services, LLC PO Box 200, 1560 Balmor Road Model City, NY 14107 716-754-8231		U.S. EPA ID Number NYD0049836679		NYD0049836679				
Facility's Phone:								
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type			D006	D007	L
1.	NA3077. Hazardous Waste, Solid, N.O.S. (Cadmium, Chromium), 9, RQ, PGIII (ERG #171)	1	DT	33	ESL T			
2.								
3.								
4.								
14. Special Handling Instructions and Additional Information 9a-1) Profile# NY303544 JOB#RLUE0007								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Offoror's Printed/Typed Name JADE MH FORBES				Signature <i>Jade M Forbes</i>		Month Day Year 04 28 2012		
16. International Shipments <input type="checkbox"/> Import to U.S. <input checked="" type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____								
17. Transporter Acknowledgment of Receipt of Materials								
Transporter 1 Printed/Typed Name JADE MH FORBES				Signature <i>Jade M Forbes</i>		Month Day Year 04 28 12		
Transporter 2 Printed/Typed Name				Signature		Month Day Year		
18. Discrepancy								
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
Manifest Reference Number: _____								
18b. Alternate Facility (or Generator)						U.S. EPA ID Number		
Facility's Phone:								
18c. Signature of Alternate Facility (or Generator)						Month Day Year		
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
1.		2.		3.		4.		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name				Signature		Month Day Year		

GENERATOR

TRANSPORTER INT'L

DESIGNATED FACILITY



**Transporter Log**  
**CWM Chemical Services, Inc.**  
 Model City, NY

189584

50  
 Cubic Yards

Receipt # 979 202.2      Trailer License Plate # and State AC 15548-NY      GROSS WT 37380 LB  
 Service Req. # HISE ETC INC      Profile # 7H-296      Permit # 0894-3359      DATE TIME 04/23/12  
 Transporter Name DOUGLAS FOGLE      Tractor/Trailer/Roll-off # CITY OF ROCHESTER      SCALE # 2  
 Driver's Name \_\_\_\_\_      Generator \_\_\_\_\_      GROSS WT 35680 LB

61700P

Scheduled Arrival: \_\_\_\_\_  
 Actual Arrival: Date 04/23/12 Time In 5:22 Time Out 7:40      DATE TIME 04/23/12

Arrived during Blackout? Y / N      Notified DEC? Y / N  
 Leaker     Permit Violation     Placarding/Veh. I.D. Violation  
 Other (specify) \_\_\_\_\_

Receiving: df      \_\_\_\_\_  
 Initials      Comments

Bulk to Landfill     No wet line     Flatbed     Stabilization     Drums     Tanker     Transformers

Laboratory  
 Time In \_\_\_\_\_ Time Out \_\_\_\_\_ Initials \_\_\_\_\_ Comments \_\_\_\_\_

Stabilization  
 Time In \_\_\_\_\_ Time Out \_\_\_\_\_ Initials \_\_\_\_\_ Gross Wt. \_\_\_\_\_ Comments \_\_\_\_\_

Landfill  
 Time In \_\_\_\_\_ Time Out \_\_\_\_\_ Initials \_\_\_\_\_ Comments \_\_\_\_\_

Other  
 Time In \_\_\_\_\_ Time Out \_\_\_\_\_ Initials \_\_\_\_\_ Comments \_\_\_\_\_

Aqueous Treatment  
 Time In \_\_\_\_\_ Time Out \_\_\_\_\_ Signature (NO Initials) \_\_\_\_\_ Comments \_\_\_\_\_

**Facility Personnel** (please initial)

\_\_\_\_\_ Smoking or eating in prohibited areas      \_\_\_\_\_ Leaving truck unattended  
 \_\_\_\_\_ Failure to obey instructions of facility personnel      \_\_\_\_\_ Failure to display overweight flag  
 \_\_\_\_\_ Failure to wear appropriate PPE      \_\_\_\_\_ Improper tarping or detarpin  
 \_\_\_\_\_ Unsafe driving practices      \_\_\_\_\_ Overweight upon arrival  
 \_\_\_\_\_ Other (specify) \_\_\_\_\_

Security Guard Initials: \_\_\_\_\_  
 (Indicating receipt of Wash Bay pass, if necessary)

Driver's Comments \_\_\_\_\_

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number: <b>RU000108204</b>	2. Page 1 of 1	3. Emergency Response Phone: <b>716-232-7700</b>	4. Manifest Tracking Number: <b>001062682 JJK</b>			
5. Generator's Name and Mailing Address: <b>415 Orchard/Whitney</b> <b>354 Whitney Street, Rochester, NY 14606</b> 585-314-1719				Generator's Site Address (if different than mailing address): <b>415 Orchard Street-354 Whitney Street</b> <b>Rochester, NY 14606</b>				
Generator's Phone:								
6. Transporter 1 Company Name: <b>Op-Tech Environmental Svcs, Inc.</b>				U.S. EPA ID Number: <b>NYD986980/53</b>				
7. Transporter 2 Company Name:				U.S. EPA ID Number:				
8. Designated Facility Name and Site Address: <b>Chemical Services, LLC</b> <b>PO Box 200, 1660 Balmer Road</b> <b>Model City, NY 14107</b> 716-754-8231				U.S. EPA ID Number: <b>NYD0049838679</b>				
Facility's Phone:								
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type					
1.	<b>HAS077. Hazardous Waste, Solid, N.O.S. (Cadmium, Chromium), 9, RQ, PGIII (ERG #171)</b>	1	DT	33 Est.	T	D006	D007	L
2.								
3.								
4.								
14. Special Handling Instructions and Additional Information: <b>9a-1) Profile# NY303844.</b> <b>JOB#:RLUE0007</b>								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Offoror's Printed/Typed Name: <b>JANE MH FORBES</b>				Signature: <i>Jane M Forbes</i>		Month Day Year: <b>04/26/2012</b>		
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: <b>20</b>								
17. Transporter Acknowledgment of Receipt of Materials								
Transporter 1 Printed/Typed Name: <b>Michael J. Hagle</b>				Signature: <i>Michael J Hagle</i>		Month Day Year: <b>4/26/12</b>		
Transporter 2 Printed/Typed Name:				Signature:		Month Day Year:		
18. Discrepancy								
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
Manifest Reference Number:								
18b. Alternate Facility (or Generator):						U.S. EPA ID Number:		
Facility's Phone:								
18c. Signature of Alternate Facility (or Generator):						Month Day Year:		
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
1.		2.		3.		4.		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name:				Signature:		Month Day Year:		

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

## **AOC-2 SOIL LOAD LOGS**

## SOIL PILE DISPOSAL SUMMARY

SITE: ORCHARD-WHITNEY ERP/ EPA BF CLEANUP  
 ADDRESS: 415 ORCHARD & 354 WHITNEY STREET, ROCHESTER, NY

PAGE: 1 of 2

PROJECT # DEQ-99041B

SOIL PILE NUMBER: 2, 3A, 3B, 5, 7, 8

DATE GENERATED: \_\_\_\_\_

SIZE OF PILE: \_\_\_\_\_

DESIGNATION: Non Hazardous, Non RCRA, Non Regulated Solids  
(Petroleum and Metal Impacted Soil) Debris

COMMENTS: \_\_\_\_\_

DATE OF DISPOSAL: 4/6/12 WEATHER: Sunny, 35°

TRUCKING COMPANY: Ricelli Enterprises

PART 364 PERMIT NO: 7A-402

DISPOSAL FACILITY: Mill seat Landfill  
303 Brew Rd  
Bergen, NY

NUMBER OF TRUCK LOADS: \_\_\_\_\_

LOAD NO.	TRUCK NO.	LICENSE PLATE NO.	QUANTITY:	DEPARTURE TIME:	BILL OF LADING/MANIFEST NO.
1	51	13066 PC	35.5 TONS	7:38 01	Profile 108658 NY / RLHE0007(SUB)
2	78	13063 PC	37.58 T	7:52 02	Profile #108658 NY / JOB RLHE0007
3	51	13066 PC	40.5 T	9:04	#03 Profile 108658 NY
4	78	13063 PC	35.86 T	9:39	#04 Profile 108658 NY
5	49	18653 PB	22.52 T	9:50	#05 "
6	15	18390 PB	21.08 T	10:10	#06 "
7	51	13066 PC	39.	10:26	#07
8	78	13063 PC	44.11	11:17	#08
9	49	18653 PB	20.8	11:27	#09
10	15	18390 PB	20.61	11:40	#10
11	51	13066 PC	38	12:15	#11
12	78	13063 PC	26.5	12:50	#12



## SOIL PILE DISPOSAL SUMMARY

SITE: ORCHARD-WHITNEY ERP/ EPA BF CLEANUP  
 ADDRESS: 415 ORCHARD & 354 WHITNEY STREET, ROCHESTER, NY

PAGE: 2 of 2

PROJECT # DEQ-99041B

SOIL PILE NUMBER: 7, 8

DATE GENERATED: \_\_\_\_\_

SIZE OF PILE: \_\_\_\_\_

DESIGNATION: Non Hazardous, Non RCRA, Non Regulated Solids  
(Petroleum & Metal Impacted Soil & Debris)

COMMENTS: \_\_\_\_\_

DATE OF DISPOSAL: 4/6/12 WEATHER: Sunny 48°

TRUCKING COMPANY: (Non-Haz) Ricelli Enterprises / Page Trucking (HAZ)

PART 364 PERMIT NO: 7A-402 / 7A-296

DISPOSAL FACILITY: Mill Seat Landfill / Model City  
303 Brew Rd.  
Bergen, NY  
(NA) (HAZ)

NUMBER OF TRUCK LOADS: \_\_\_\_\_

LOAD NO.	TRUCK NO.	LICENSE PLATE NO.	QUANTITY:	DEPARTURE TIME:	BILL OF LADING/MANIFEST NO.
13	49	18653 PB	<del>20</del> 20 <sup>2</sup>	12:55	#13
14	51	13066 PA	35 <sup>4</sup> -	1:10	#14
15	15	18396 PB	20 <sup>4</sup> -	1:50	#15
16	<del>17</del> 17	<del>3063 PA</del>	33 <sup>4</sup> (34.7)	7:50	#16 (did not run 4/6/12) 4/16/12
17	17	76207 PA 76207 PA			#17
HAZARDOUS (PAGE)					
1	4180	44918 PA	35 <sup>4</sup> -	11:10	# PAGE ETC Inc. (Tim Ruggiero trucking)
2	NA	13990 PA	35 <sup>4</sup> -	11:45	(Douglas Fugle)
3	NA	13990 PA	35 <sup>4</sup> -		Trailer Plate AC15548 4/20/12
4	7453	12287 PB	35 <sup>4</sup> -		Trailer Plate 204383 4/20/12

**Appendix E**  
**Laboratory Analytical Data (CD only)**

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**AOC-1**

# **UST CONTENTS**



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

## Analytical Report Cover Page

### **Lu Engineers**

For Lab Project # 11-1468

Issued May 3, 2011

This report contains a total of 31 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

**"<" = analyzed for but not detected at or above the reporting limit.**

**"E" = Result has been estimated, calibration limit exceeded.**

**"Z" = See case narrative.**

**"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.**

**"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.**

**"B" = Method blank contained trace levels of analyte. Refer to included method blank report.**




**LAB REPORT FOR FLASHPOINT ANALYSIS**

<b>Client:</b>	<u>LU Engineers</u>	<b>Lab Project No.:</b>	11-1468
<b>Client Job Site:</b>	4216-01	<b>Sample Type:</b>	Non-Aqueous Liquid
<b>Client Job No.:</b>	Orchard / Whitney RI UST Evaluation	<b>Method:</b>	SW846 1010
		<b>Date Sampled:</b>	04/14-15/2011
		<b>Date Received:</b>	04/18/2011
		<b>Date Analyzed:</b>	04/19-21/2011

Lab Sample No.	Field ID No.	Field Location	Flashpoint Results (°C)
5023	N/A	Tank 1	58.0
5024	N/A	Tank 2	61.0
5025	N/A	Tank 3	67.0
5026	N/A	Tank 4	66.0
5027	N/A	Tank 5	42.5
5029	N/A	Tank 7	64.0
5030	N/A	Tank 8	69.5

ELAP ID No.:10958

Comments:

Approved By:  (for)  
Bruce Hoogesteger, Technical Director



**LAB REPORT FOR FLASHPOINT ANALYSIS**

**Client:** Lu Engineers **Lab Project No.:** 11-1468


**Client Job Site:** Orchard/Whitney RI **Sample Type:** Water  
UST Evaluation **Method:** SW846 1010

**Client Job No.:** 4216-01 **Date Sampled:** 04/14/2011  
**Date Received:** 04/18/2011  
**Date Analyzed:** 04/28/2011

Lab Sample No.	Field ID No.	Field Location	Flashpoint Results (°C)
5031	N/A	Chimney-Water	>70.0

ELAP ID No.:10958

Comments:

**Approved By:**   
Bruce Hoogesteger, Technical Director



**LAB REPORT FOR RCRA METALS ANALYSIS IN SOLIDS**

**Client:** Lu Engineers  
**Client Job Site:** Orchard/Whitney RI  
UST Evaluation  
**Client Job No.:** 4216-01

**Lab Project No.:** 11-1468  
**Sample Type:** Non-Aqueous Liquid  
**Method:** SW 846: 6010,7471  
**Date(s) Sampled:** 04/14-15/2011  
**Date Received:** 04/18/2011  
**Date Analyzed:** 04/19-20/2011

Lab Sample No.	Field ID No.	Field Location	Ag Results (mg/kg)	As Results (mg/kg)	Ba Results (mg/kg)	Cd Results (mg/kg)	Cr Results (mg/kg)	Pb Results (mg/kg)	Se Results (mg/kg)	Hg Result (mg/kg)
5023	N/A	Tank1	< 0.969	< 0.969	< 9.69	< 0.484	< 0.969	< 0.969	< 0.969	< 0.0075
5024	N/A	Tank2	< 0.978	< 0.978	< 9.78	< 0.489	< 0.978	< 0.978	< 0.978	< 0.0068
5025	N/A	Tank3	< 0.969	< 0.969	< 9.69	< 0.484	< 0.969	< 0.969	< 0.969	< 0.0078
5026	N/A	Tank4	< 0.935	< 0.935	< 9.35	< 0.467	< 0.935	< 0.935	< 0.935	< 0.0076
5027	N/A	Tank5	< 0.992	< 0.992	< 9.92	0.721	< 0.992	2.04	< 0.992	< 0.0078
5029	N/A	Tank 7	< 0.891	< 0.891	< 8.91	< 0.446	< 0.891	1.67	< 0.891	< 0.0078
5030	N/A	Tank 8	< 0.840	< 0.840	< 8.40	< 0.420	< 0.840	< 0.840	< 0.840	< 0.0078

ELAP ID No.: 10958

Comments:

Approved By:   
Bruce Hoogesteger, Technical Director





**LAB REPORT FOR METALS ANALYSIS IN WATERS**

**Client:** Lu Engineers **Lab Project No.:** 11-1468  
**Client Job Site:** Orchard/Whitney RI **Sample Type:** Aqueous Liquid/  
UST Evaluation Ground Water  
**Client Job No.:** 4216-01 **Method:** SW846:6010,7470  
**Date(s) Sampled:** 04/14/2011  
**Date Received:** 04/18/2011  
**Date Analyzed:** 04/19-21/2011

Lab Sample No.	Field ID No.	Field Location	Silver Results (mg/L)	Arsenic Result (mg/L)	Barium Results (mg/L)	Cadmium Results (mg/L)	Chromium Results (mg/L)	Lead Results (mg/L)	Selenium Results (mg/L)	Mercury Results (mg/L)
5028	N/A	Tank 6	<0.050	0.593	1.16	0.306	0.084	14.1	<0.050	<0.0020
5031	N/A	Chimney Water	<0.010	2.96	1.850	<0.005	0.165	0.561	0.180	0.185

ELAP ID No.: 10958

Comments:  
**Approved By:**   
Bruce Hoogesteger, Technical Director



**PCB Analysis Report for Oils**

**Client:** Lu Engineers

**Client Job Site:** Orchard/Whitney RI  
UST Evaluation  
**Client Job Number:** 4216-01  
**Field Location:** Tank 1  
**Field ID Number:** N/A  
**Sample Type:** Non-Aqueous Liquid

**Lab Project Number:** 11-1468  
**Lab Sample Number:** 5023  
**Date Sampled:** 04/14/2011  
**Date Received:** 04/18/2011  
**Date Analyzed:** 04/20/2011

PCB Identification	Results in mg / Kg
Aroclor 1016	< 0.977
Aroclor 1221	< 0.977
Aroclor 1232	< 0.977
Aroclor 1242	< 0.977
Aroclor 1248	< 0.977
Aroclor 1254	< 0.977
Aroclor 1260	< 0.977

ELAP Number 10958

Method: EPA 8082

Comments: mg / Kg = milligram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.



**PCB Analysis Report for Oils**

**Client:** Lu Engineers

**Client Job Site:** Orchard/Whitney RI  
UST Evaluation  
**Client Job Number:** 4216-01  
**Field Location:** Tank 2  
**Field ID Number:** N/A  
**Sample Type:** Non-Aqueous Liquid

**Lab Project Number:** 11-1468  
**Lab Sample Number:** 5024  
**Date Sampled:** 04/14/2011  
**Date Received:** 04/18/2011  
**Date Analyzed:** 04/20/2011

PCB Identification	Results in mg / Kg
Aroclor 1016	< 0.984
Aroclor 1221	< 0.984
Aroclor 1232	< 0.984
Aroclor 1242	< 0.984
Aroclor 1248	< 0.984
Aroclor 1254	< 0.984
Aroclor 1260	< 0.984

ELAP Number 10958

Method: EPA 8082

Comments: mg / Kg = milligram per Kilogram

Signature: \_\_\_\_\_

*Bruce Hoogesteger* (for)

Bruce Hoogesteger: Technical Director

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**PCB Analysis Report for Oils**

**Client:** Lu Engineers

**Client Job Site:** Orchard/Whitney RI  
UST Evaluation  
**Client Job Number:** 4216-01  
**Field Location:** Tank 3  
**Field ID Number:** N/A  
**Sample Type:** Non-Aqueous Liquid

**Lab Project Number:** 11-1468  
**Lab Sample Number:** 5025  
**Date Sampled:** 04/14/2011  
**Date Received:** 04/18/2011  
**Date Analyzed:** 04/20/2011

PCB Identification	Results in mg / Kg
Aroclor 1016	< 0.969
Aroclor 1221	< 0.969
Aroclor 1232	< 0.969
Aroclor 1242	< 0.969
Aroclor 1248	< 0.969
Aroclor 1254	< 0.969
Aroclor 1260	< 0.969

ELAP Number 10958

Method: EPA 8082

Comments: mg / Kg = milligram per Kilogram

Signature:

Bruce Hoogesteger, Technical Director

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### PCB Analysis Report for Oils

**Client:** Lu Engineers

<b>Client Job Site:</b> Orchard/Whitney RI UST Evaluation	<b>Lab Project Number:</b> 11-1468	<b>Lab Sample Number:</b> 5026
<b>Client Job Number:</b> 4216-01	<b>Date Sampled:</b> 04/14/2011	<b>Date Received:</b> 04/18/2011
<b>Field Location:</b> Tank 4	<b>Date Analyzed:</b> 04/20/2011	
<b>Field ID Number:</b> N/A		
<b>Sample Type:</b> Non-Aqueous Liquid		

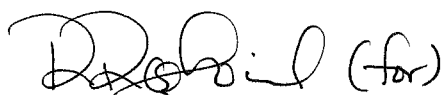
PCB Identification	Results in mg / Kg
Aroclor 1016	< 0.988
Aroclor 1221	< 0.988
Aroclor 1232	< 0.988
Aroclor 1242	< 0.988
Aroclor 1248	< 0.988
Aroclor 1254	< 0.988
Aroclor 1260	< 0.988

ELAP Number 10958

Method: EPA 8082

Comments: mg / Kg = milligram per Kilogram

Signature:



Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.



**PCB Analysis Report for Oils**

**Client:** Lu Engineers

**Client Job Site:** Orchard/Whitney RI  
UST Evaluation  
**Client Job Number:** 4216-01  
**Field Location:** Tank 5  
**Field ID Number:** N/A  
**Sample Type:** Non-Aqueous Liquid

**Lab Project Number:** 11-1468  
**Lab Sample Number:** 5027  
**Date Sampled:** 04/14/2011  
**Date Received:** 04/18/2011  
**Date Analyzed:** 04/20/2011

PCB Identification	Results in mg / Kg
Aroclor 1016	< 0.978
Aroclor 1221	< 0.978
Aroclor 1232	< 0.978
Aroclor 1242	< 0.978
Aroclor 1248	< 0.978
Aroclor 1254	< 0.978
Aroclor 1260	< 0.978

ELAP Number 10958

Method: EPA 8082

Comments: mg / Kg = milligram per Kilogram

Signature:

Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

### PCB Analysis Report for Oils

**Client:** Lu Engineers

<b>Client Job Site:</b> Orchard/Whitney RI	<b>Lab Project Number:</b> 11-1468
UST Evaluation	<b>Lab Sample Number:</b> 5029
<b>Client Job Number:</b> 4216-01	<b>Date Sampled:</b> 04/15/2011
<b>Field Location:</b> Tank 7	<b>Date Received:</b> 04/18/2011
<b>Field ID Number:</b> N/A	<b>Date Analyzed:</b> 04/20/2011
<b>Sample Type:</b> Non-Aqueous Liquid	

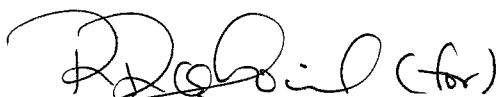
PCB Identification	Results in mg / Kg
Aroclor 1016	< 0.980
Aroclor 1221	< 0.980
Aroclor 1232	< 0.980
Aroclor 1242	< 0.980
Aroclor 1248	< 0.980
Aroclor 1254	< 0.980
Aroclor 1260	< 0.980

ELAP Number 10958

Method: EPA 8082

Comments: mg / Kg = milligram per Kilogram

Signature: \_\_\_\_\_



Bruce Hoogesteger, Technical Director

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**PCB Analysis Report for Oils**

**Client:** Lu Engineers

**Client Job Site:** Orchard/Whitney RI  
UST Evaluation  
**Client Job Number:** 4216-01  
**Field Location:** Tank 8  
**Field ID Number:** N/A  
**Sample Type:** Non-Aqueous Liquid

**Lab Project Number:** 11-1468  
**Lab Sample Number:** 5030  
**Date Sampled:** 04/15/2011  
**Date Received:** 04/18/2011  
**Date Analyzed:** 04/20/2011

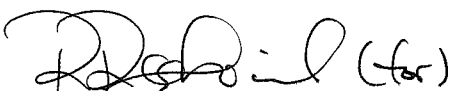
PCB Identification	Results in mg / Kg
Aroclor 1016	< 0.980
Aroclor 1221	< 0.980
Aroclor 1232	< 0.980
Aroclor 1242	< 0.980
Aroclor 1248	< 0.980
Aroclor 1254	< 0.980
Aroclor 1260	< 0.980

ELAP Number 10958

Method: EPA 8082

Comments: mg / Kg = milligram per Kilogram

Signature: \_\_\_\_\_

 (for)

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.





**PCB Analysis Report for Non-potable Water**

**Client:** Lu Engineers

**Client Job Site:** Orchard/Whitney RI  
UST Evaluation

**Lab Project Number:** 11-1468  
**Lab Sample Number:** 5031

**Client Job Number:** 4216-01  
**Field Location:** Chimney - Water  
**Field ID Number:** N/A  
**Sample Type:** Water

**Date Sampled:** 04/14/2011  
**Date Received:** 04/18/2011  
**Date Analyzed:** 04/20/2011

PCB Identification	Results in ug / L
Aroclor 1016	< 1.00
Aroclor 1221	< 1.00
Aroclor 1232	< 1.00
Aroclor 1242	< 1.00
Aroclor 1248	< 1.00
Aroclor 1254	< 1.00
Aroclor 1260	< 1.00

ELAP Number 10958

Method: EPA 8082

Comments: ug / L = microgram per Liter

Signature:

Bruce Hoogestegen Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.



**PHC Analysis Report for Oils**

**Client:** Lu Engineers

**Client Job Site:** Orchard / Whitney RI  
UST Evaluation  
**Client Job Number:** 4216-01  
**Field Location:** Tank 1  
**Field ID Number:** N/A  
**Sample Type:** Non-Aqueous Liquid

**Lab Project Number:** 11-1468  
**Lab Sample Number:** 5023  
**Date Sampled:** 04/14/2011  
**Date Received:** 04/18/2011  
**Date Analyzed:** 04/20/2011

PHC Classification	Results in ug / Kg
Medium Weight PHC as: Diesel Fuel and Kerosene	Pure Product

ELAP Number 10958

Analytical Method: NYSDOH 310.13  
Prep Method: EPA 3580C

Comments: PHC = Petroleum Hydrocarbon  
ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.



**PHC Analysis Report for Soils/Solids/Sludges**

**Client:** Lu Engineers

**Client Job Site:** Orchard / Whitney RI  
UST Evaluation  
**Client Job Number:** 4216-01  
**Field Location:** Tank 2  
**Field ID Number:** N/A  
**Sample Type:** Non-Aqueous Liquid

**Lab Project Number:** 11-1468  
**Lab Sample Number:** 5024  
**Date Sampled:** 04/14/2011  
**Date Received:** 04/18/2011  
**Date Analyzed:** 04/20/2011

PHC Classification	Results in ug / Kg
Medium Weight PHC as: Diesel Fuel and Kerosene	Pure Product

ELAP Number 10958

Analytical Method: NYSDOH 310.13

Prep Method: EPA 3550C

Comments: PHC = Petroleum Hydrocarbon  
ug / Kg = microgram per Kilogram

Signature: \_\_\_\_\_

 (for)

Bruce Hoogesteger, Technical Director



**PHC Analysis Report for Oils**

**Client:** Lu Engineers

**Client Job Site:** Orchard / Whitney RI  
UST Evaluation

**Lab Project Number:** 11-1468

**Lab Sample Number:** 5025

**Client Job Number:** 4216-01

**Field Location:** Tank 3

**Date Sampled:** 04/14/2011

**Field ID Number:** N/A

**Date Received:** 04/18/2011

**Sample Type:** Non-Aqueous Liquid

**Date Analyzed:** 04/20/2011

PHC Classification	Results in ug / Kg
Medium Weight PHC as: Diesel Fuel and Kerosene	Pure Product

ELAP Number 10958

Analytical Method: NYSDOH 310.13

Prep Method: EPA 3580C

Comments: PHC = Petroleum Hydrocarbon  
ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director



**PHC Analysis Report for Oils**

**Client:** Lu Engineers

**Client Job Site:** Orchard / Whitney RI  
UST Evaluation

**Lab Project Number:** 11-1468

**Lab Sample Number:** 5026

**Client Job Number:** 4216-01

**Field Location:** Tank 4

**Date Sampled:** 04/14/2011

**Field ID Number:** N/A

**Date Received:** 04/18/2011

**Sample Type:** Non-Aqueous Liquid

**Date Analyzed:** 04/20/2011

PHC Classification	Results in ug / Kg
Light Weight PHC as: Gasoline	Pure Product

ELAP Number 10958

Analytical Method: NYSDOH 310.13

Prep Method: EPA 3580C

Comments: PHC = Petroleum Hydrocarbon

ug / Kg = microgram per Kilogram

Sample chromatogram not an exact match to reference chromatogram. Closest match made.

Signature: \_\_\_\_\_

**Bruce Hoogesteger: Technical Director**



**PHC Analysis Report for Oils**

**Client:** Lu Engineers

**Client Job Site:** Orchard / Whitney RI  
UST Evaluation

**Lab Project Number:** 11-1468

**Lab Sample Number:** 5027

**Client Job Number:** 4216-01

**Field Location:** Tank 5

**Date Sampled:** 04/14/2011

**Field ID Number:** N/A

**Date Received:** 04/18/2011

**Sample Type:** Non-Aqueous Liquid

**Date Analyzed:** 04/20/2011

PHC Classification	Results in ug / Kg
Light Weight PHC as: Mineral Spirits	Pure Product

ELAP Number 10958

Analytical Method: NYSDOH 310.13

Prep Method: EPA 3580C

Comments: PHC = Petroleum Hydrocarbon

ug / Kg = microgram per Kilogram

Sample chromatogram not an exact match to reference chromatogram. Closest match made.

Signature:

Bruce Hoogesteger, Technical Director



**PHC Analysis Report for Oils**

**Client:** Lu Engineers

**Client Job Site:** Orchard / Whitney RI  
UST Evaluation

**Lab Project Number:** 11-1468

**Lab Sample Number:** 5029

**Client Job Number:** 4216-01

**Field Location:** Tank 7

**Date Sampled:** 04/15/2011

**Field ID Number:** N/A

**Date Received:** 04/18/2011

**Sample Type:** Non-Aqueous Liquid

**Date Analyzed:** 04/20/2011

PHC Classification	Results in ug / Kg
Medium Weight PHC as: Diesel Fuel and Kerosene	Pure Product

ELAP Number 10958

Analytical Method: NYSDOH 310.13

Prep Method: EPA 3580C

Comments: PHC = Petroleum Hydrocarbon  
ug / Kg = microgram per Kilogram

Signature: \_\_\_\_\_

  
Bruce Hoogesteger Technical Director



**PHC Analysis Report for Oils**

**Client:** Lu Engineers

**Client Job Site:** Orchard / Whitney RI  
UST Evaluation

**Lab Project Number:** 11-1468

**Lab Sample Number:** 5030

**Client Job Number:** 4216-01

**Field Location:** Tank 8

**Date Sampled:** 04/15/2011

**Field ID Number:** N/A

**Date Received:** 04/18/2011

**Sample Type:** Non-Aqueous Liquid

**Date Analyzed:** 04/20/2011

PHC Classification	Results in ug / Kg
Medium Weight PHC as: Diesel Fuel and Kerosene	Pure Product

ELAP Number 10958

Analytical Method: NYSDOH 310.13

Prep Method: EPA 3580C

Comments: PHC = Petroleum Hydrocarbon  
ug / Kg = microgram per Kilogram

Signature: \_\_\_\_\_

  
Bruce Hoogesteger, Technical Director

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**Volatile Analysis Report for Soils/Solids/Sludges**

**Client:** Lu Engineers

**Client Job Site:** Orchard/Whitney RI  
UST Evaluation  
**Client Job Number:** 4216-01  
**Field Location:** Tank 1  
**Field ID Number:** N/A  
**Sample Type:** Non-Aqueous Liquid

**Lab Project Number:** 11-1468  
**Lab Sample Number:** 5023  
**Date Sampled:** 04/14/2011  
**Date Received:** 04/18/2011  
**Date Analyzed:** 04/20/2011

Compound	Results in ug / Kg	Compound	Results in ug / Kg
Bromodichloromethane	< 39,400	1,1-Dichloroethene	< 39,400
Bromoform	< 98,400	cis-1,2-Dichloroethene	< 39,400
Bromomethane	< 39,400	trans-1,2-Dichloroethene	< 39,400
Carbon Tetrachloride	< 39,400	1,2-Dichloropropane	< 39,400
Chlorobenzene	< 39,400	cis-1,3-Dichloropropene	< 39,400
Chloroethane	< 39,400	trans-1,3-Dichloropropene	< 39,400
2-Chloroethyl vinyl Ether	< 197,000	Methylene chloride	< 98,400
Chloroform	< 39,400	1,1,2,2-Tetrachloroethane	< 39,400
Chloromethane	< 39,400	Tetrachloroethene	< 39,400
Dibromochloromethane	< 39,400	1,1,1-Trichloroethane	< 39,400
1,2-Dichlorobenzene	< 39,400	1,1,2-Trichloroethane	< 39,400
1,3-Dichlorobenzene	< 39,400	Trichloroethene	< 39,400
1,4-Dichlorobenzene	< 39,400	Trichlorofluoromethane	< 39,400
1,1-Dichloroethane	< 39,400	Vinyl chloride	< 39,400
1,2-Dichloroethane	< 39,400		

ELAP Number 10958

Method: EPA 8260B

Data File: V83849.D

Comments: ug / Kg = microgram per Kilogram  
Reporting limit elevated due to non-target compounds

Signature:

Bruce Hoogesteger: Technical Director



**Volatile Analysis Report for Soils/Solids/Sludges**

**Client:** Lu Engineers

**Client Job Site:** Orchard/Whitney RI  
UST Evaluation  
**Client Job Number:** 4216-01  
**Field Location:** Tank 2  
**Field ID Number:** N/A  
**Sample Type:** Non-Aqueous Liquid

**Lab Project Number:** 11-1468  
**Lab Sample Number:** 5024  
**Date Sampled:** 04/14/2011  
**Date Received:** 04/18/2011  
**Date Analyzed:** 04/20/2011

Compound	Results in ug / Kg	Compound	Results in ug / Kg
Bromodichloromethane	< 38,200	1,1-Dichloroethene	< 38,200
Bromoform	< 95,400	cis-1,2-Dichloroethene	< 38,200
Bromomethane	< 38,200	trans-1,2-Dichloroethene	< 38,200
Carbon Tetrachloride	< 38,200	1,2-Dichloropropane	< 38,200
Chlorobenzene	< 38,200	cis-1,3-Dichloropropene	< 38,200
Chloroethane	< 38,200	trans-1,3-Dichloropropene	< 38,200
2-Chloroethyl vinyl Ether	< 191,000	Methylene chloride	< 95,400
Chloroform	< 38,200	1,1,2,2-Tetrachloroethane	< 38,200
Chloromethane	< 38,200	Tetrachloroethene	< 38,200
Dibromochloromethane	< 38,200	1,1,1-Trichloroethane	< 38,200
1,2-Dichlorobenzene	< 38,200	1,1,2-Trichloroethane	< 38,200
1,3-Dichlorobenzene	< 38,200	Trichloroethene	< 38,200
1,4-Dichlorobenzene	< 38,200	Trichlorofluoromethane	< 38,200
1,1-Dichloroethane	< 38,200	Vinyl chloride	< 38,200
1,2-Dichloroethane	< 38,200		

ELAP Number 10958

Method: EPA 8260B

Data File: V83850.D

Comments: ug / Kg = microgram per Kilogram  
Reporting limit elevated due to non-target compounds

Signature:

Bruce Hoogesteger, Technical Director

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**Volatile Analysis Report for Soils/Solids/Sludges**

**Client:** Lu Engineers

**Client Job Site:** Orchard/Whitney RI  
UST Evaluation  
**Client Job Number:** 4216-01  
**Field Location:** Tank 3  
**Field ID Number:** N/A  
**Sample Type:** Non-Aqueous Liquid

**Lab Project Number:** 11-1468  
**Lab Sample Number:** 5025  
**Date Sampled:** 04/14/2011  
**Date Received:** 04/18/2011  
**Date Analyzed:** 04/20/2011

Compound	Results in ug / Kg	Compound	Results in ug / Kg
Bromodichloromethane	< 36,400	1,1-Dichloroethene	< 36,400
Bromoform	< 91,100	cis-1,2-Dichloroethene	< 36,400
Bromomethane	< 36,400	trans-1,2-Dichloroethene	< 36,400
Carbon Tetrachloride	< 36,400	1,2-Dichloropropane	< 36,400
Chlorobenzene	< 36,400	cis-1,3-Dichloropropene	< 36,400
Chloroethane	< 36,400	trans-1,3-Dichloropropene	< 36,400
2-Chloroethyl vinyl Ether	< 182,000	Methylene chloride	< 91,100
Chloroform	< 36,400	1,1,2,2-Tetrachloroethane	< 36,400
Chloromethane	< 36,400	Tetrachloroethene	< 36,400
Dibromochloromethane	< 36,400	1,1,1-Trichloroethane	< 36,400
1,2-Dichlorobenzene	< 36,400	1,1,2-Trichloroethane	< 36,400
1,3-Dichlorobenzene	< 36,400	Trichloroethene	< 36,400
1,4-Dichlorobenzene	< 36,400	Trichlorofluoromethane	< 36,400
1,1-Dichloroethane	< 36,400	Vinyl chloride	< 36,400
1,2-Dichloroethane	< 36,400		

ELAP Number 10958

Method: EPA 8260B

Data File: V83851.D

Comments: ug / Kg = microgram per Kilogram  
Reporting limit elevated due to non-target compounds

Signature:   
Bruce Hoogesteger: Technical Director



**Volatile Analysis Report for Soils/Solids/Sludges**

**Client:** Lu Engineers

**Client Job Site:** Orchard/Whitney RI  
UST Evaluation  
**Client Job Number:** 4216-01  
**Field Location:** Tank 4  
**Field ID Number:** N/A  
**Sample Type:** Non-Aqueous Liquid

**Lab Project Number:** 11-1468  
**Lab Sample Number:** 5026  
**Date Sampled:** 04/14/2011  
**Date Received:** 04/18/2011  
**Date Analyzed:** 04/20/2011

Compound	Results in ug / Kg	Compound	Results in ug / Kg
Bromodichloromethane	< 34,400	1,1-Dichloroethene	< 34,400
Bromoform	< 86,100	cis-1,2-Dichloroethene	< 34,400
Bromomethane	< 34,400	trans-1,2-Dichloroethene	< 34,400
Carbon Tetrachloride	< 34,400	1,2-Dichloropropane	< 34,400
Chlorobenzene	< 34,400	cis-1,3-Dichloropropene	< 34,400
Chloroethane	< 34,400	trans-1,3-Dichloropropene	< 34,400
2-Chloroethyl vinyl Ether	< 172,000	Methylene chloride	< 86,100
Chloroform	< 34,400	1,1,2,2-Tetrachloroethane	< 34,400
Chloromethane	< 34,400	Tetrachloroethene	< 34,400
Dibromochloromethane	< 34,400	1,1,1-Trichloroethane	< 34,400
1,2-Dichlorobenzene	< 34,400	1,1,2-Trichloroethane	< 34,400
1,3-Dichlorobenzene	< 34,400	Trichloroethene	< 34,400
1,4-Dichlorobenzene	< 34,400	Trichlorofluoromethane	< 34,400
1,1-Dichloroethane	< 34,400	Vinyl chloride	< 34,400
1,2-Dichloroethane	< 34,400		

ELAP Number 10958

Method: EPA 8260B

Data File: V83852.D

Comments: ug / Kg = microgram per Kilogram  
Reporting limit elevated due to non-target compounds

Signature:

  
Bruce Hoogestegen Technical Director



**Volatile Analysis Report for Soils/Solids/Sludges**

**Client:** Lu Engineers

**Client Job Site:** Orchard/Whitney RI  
UST Evaluation  
**Client Job Number:** 4216-01  
**Field Location:** Tank 5  
**Field ID Number:** N/A  
**Sample Type:** Non-Aqueous Liquid

**Lab Project Number:** 11-1468  
**Lab Sample Number:** 5027  
**Date Sampled:** 04/14/2011  
**Date Received:** 04/18/2011  
**Date Analyzed:** 04/20/2011

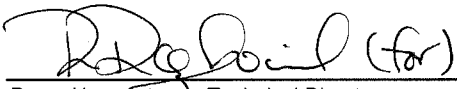
Compound	Results in ug / Kg	Compound	Results in ug / Kg
Bromodichloromethane	< 38,500	1,1-Dichloroethene	< 38,500
Bromoform	< 96,200	cis-1,2-Dichloroethene	< 38,500
Bromomethane	< 38,500	trans-1,2-Dichloroethene	< 38,500
Carbon Tetrachloride	< 38,500	1,2-Dichloropropane	< 38,500
Chlorobenzene	< 38,500	cis-1,3-Dichloropropene	< 38,500
Chloroethane	< 38,500	trans-1,3-Dichloropropene	< 38,500
2-Chloroethyl vinyl Ether	< 192,000	Methylene chloride	< 96,200
Chloroform	< 38,500	1,1,2,2-Tetrachloroethane	< 38,500
Chloromethane	< 38,500	Tetrachloroethene	< 38,500
Dibromochloromethane	< 38,500	1,1,1-Trichloroethane	< 38,500
1,2-Dichlorobenzene	< 38,500	1,1,2-Trichloroethane	< 38,500
1,3-Dichlorobenzene	< 38,500	Trichloroethene	< 38,500
1,4-Dichlorobenzene	< 38,500	Trichlorofluoromethane	< 38,500
1,1-Dichloroethane	< 38,500	Vinyl chloride	< 38,500
1,2-Dichloroethane	< 38,500		

ELAP Number 10958

Method: EPA 8260B

Data File: V83853.D

Comments: ug / Kg = microgram per Kilogram  
Reporting limit elevated due to non-target compounds

Signature:   
Bruce Hoogestege: Technical Director



**Volatile Analysis Report for Non-potable Water**

**Client:** Lu Engineers

**Client Job Site:** Orchard/Whitney RI  
UST Evaluation  
**Client Job Number:** 4216-01  
**Field Location:** Tank 6  
**Field ID Number:** N/A  
**Sample Type:** Water

**Lab Project Number:** 11-1468  
**Lab Sample Number:** 5028  
**Date Sampled:** 04/14/2011  
**Date Received:** 04/18/2011  
**Date Analyzed:** 04/18/2011

Compound	Results in ug / L	Compound	Results in ug / L
Bromodichloromethane	< 2.00	1,1-Dichloroethene	< 2.00
Bromoform	< 5.00	cis-1,2-Dichloroethene	< 2.00
Bromomethane	< 2.00	trans-1,2-Dichloroethene	< 2.00
Carbon Tetrachloride	< 2.00	1,2-Dichloropropane	< 2.00
Chlorobenzene	< 2.00	cis-1,3-Dichloropropene	< 2.00
Chloroethane	< 2.00	trans-1,3-Dichloropropene	< 2.00
2-Chloroethyl vinyl Ether	< 10.0	Methylene chloride	< 5.00
Chloroform	< 2.00	1,1,2,2-Tetrachloroethane	< 2.00
Chloromethane	< 2.00	Tetrachloroethene	< 2.00
Dibromochloromethane	< 2.00	1,1,1-Trichloroethane	< 2.00
1,2-Dichlorobenzene	< 2.00	1,1,2-Trichloroethane	< 2.00
1,3-Dichlorobenzene	< 2.00	Trichloroethene	< 2.00
1,4-Dichlorobenzene	< 2.00	Trichlorofluoromethane	< 2.00
1,1-Dichloroethane	< 2.00	Vinyl chloride	< 2.00
1,2-Dichloroethane	< 2.00		

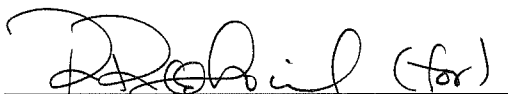
ELAP Number 10958

Method: EPA 8260B

Data File: V83786.D

Comments: ug / L = microgram per Liter

Signature:

  
Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.



**Volatile Analysis Report for Soils/Solids/Sludges**

**Client:** Lu Engineers

**Client Job Site:** Orchard/Whitney RI  
UST Evaluation  
**Client Job Number:** 4216-01  
**Field Location:** Tank 7  
**Field ID Number:** N/A  
**Sample Type:** Non-Aqueous Liquid

**Lab Project Number:** 11-1468  
**Lab Sample Number:** 5029  
**Date Sampled:** 04/15/2011  
**Date Received:** 04/18/2011  
**Date Analyzed:** 04/20/2011

Compound	Results in ug / Kg	Compound	Results in ug / Kg
Bromodichloromethane	< 36,000	1,1-Dichloroethene	< 36,000
Bromoform	< 90,100	cis-1,2-Dichloroethene	< 36,000
Bromomethane	< 36,000	trans-1,2-Dichloroethene	< 36,000
Carbon Tetrachloride	< 36,000	1,2-Dichloropropane	< 36,000
Chlorobenzene	< 36,000	cis-1,3-Dichloropropene	< 36,000
Chloroethane	< 36,000	trans-1,3-Dichloropropene	< 36,000
2-Chloroethyl vinyl Ether	< 180,000	Methylene chloride	< 90,100
Chloroform	< 36,000	1,1,2,2-Tetrachloroethane	< 36,000
Chloromethane	< 36,000	Tetrachloroethene	< 36,000
Dibromochloromethane	< 36,000	1,1,1-Trichloroethane	< 36,000
1,2-Dichlorobenzene	< 36,000	1,1,2-Trichloroethane	< 36,000
1,3-Dichlorobenzene	< 36,000	Trichloroethene	< 36,000
1,4-Dichlorobenzene	< 36,000	Trichlorofluoromethane	< 36,000
1,1-Dichloroethane	< 36,000	Vinyl chloride	< 36,000
1,2-Dichloroethane	< 36,000		

ELAP Number 10958

Method: EPA 8260B

Data File: V83854.D

Comments: ug / Kg = microgram per Kilogram  
Reporting limit elevated due to non-target compounds

Signature:

Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.



**Volatile Analysis Report for Soils/Solids/Sludges**

**Client:** Lu Engineers

**Client Job Site:** Orchard/Whitney RI  
UST Evaluation

**Lab Project Number:** 11-1468  
**Lab Sample Number:** 5030

**Client Job Number:** 4216-01

**Field Location:** Tank 8

**Date Sampled:** 04/15/2011

**Field ID Number:** N/A

**Date Received:** 04/18/2011

**Sample Type:** Non-Aqueous Liquid

**Date Analyzed:** 04/20/2011

Compound	Results in ug / Kg	Compound	Results in ug / Kg
Bromodichloromethane	< 39,100	1,1-Dichloroethene	< 39,100
Bromoform	< 97,700	cis-1,2-Dichloroethene	< 39,100
Bromomethane	< 39,100	trans-1,2-Dichloroethene	< 39,100
Carbon Tetrachloride	< 39,100	1,2-Dichloropropane	< 39,100
Chlorobenzene	< 39,100	cis-1,3-Dichloropropene	< 39,100
Chloroethane	< 39,100	trans-1,3-Dichloropropene	< 39,100
2-Chloroethyl vinyl Ether	< 195,000	Methylene chloride	< 97,700
Chloroform	< 39,100	1,1,2,2-Tetrachloroethane	< 39,100
Chloromethane	< 39,100	Tetrachloroethene	< 39,100
Dibromochloromethane	< 39,100	1,1,1-Trichloroethane	< 39,100
1,2-Dichlorobenzene	< 39,100	1,1,2-Trichloroethane	< 39,100
1,3-Dichlorobenzene	< 39,100	Trichloroethene	< 39,100
1,4-Dichlorobenzene	< 39,100	Trichlorofluoromethane	< 39,100
1,1-Dichloroethane	< 39,100	Vinyl chloride	< 39,100
1,2-Dichloroethane	< 39,100		

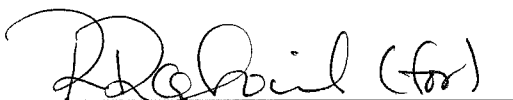
ELAP Number 10958

Method: EPA 8260B

Data File: V83855.D

Comments: ug / Kg = microgram per Kilogram  
Reporting limit elevated due to non-target compounds

Signature:

  
Bruce Hoogestegen, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.





**Volatile Analysis Report for Non-potable Water**

**Client:** Lu Engineers

**Client Job Site:** Orchard/Whitney RI  
UST Evaluation  
**Client Job Number:** 4216-01  
**Field Location:** Chimney-Water  
**Field ID Number:** N/A  
**Sample Type:** Water

**Lab Project Number:** 11-1468  
**Lab Sample Number:** 5031  
**Date Sampled:** 04/14/2011  
**Date Received:** 04/18/2011  
**Date Analyzed:** 04/20/2011

<b>Halocarbons</b>	<b>Results in ug / L</b>
Bromodichloromethane	< 2.00
Bromomethane	< 2.00
Bromoform	< 5.00
Carbon Tetrachloride	< 2.00
Chloroethane	< 2.00
Chloromethane	< 2.00
2-Chloroethyl vinyl Ether	< 10.0
Chloroform	< 2.00
Dibromochloromethane	< 2.00
1,1-Dichloroethane	< 2.00
1,2-Dichloroethane	< 2.00
1,1-Dichloroethene	< 2.00
cis-1,2-Dichloroethene	< 2.00
trans-1,2-Dichloroethene	< 2.00
1,2-Dichloropropane	< 2.00
cis-1,3-Dichloropropene	< 2.00
trans-1,3-Dichloropropene	< 2.00
Methylene chloride	< 5.00
1,1,2,2-Tetrachloroethane	< 2.00
Tetrachloroethene	< 2.00
1,1,1-Trichloroethane	< 2.00
1,1,2-Trichloroethane	< 2.00
Trichloroethene	< 2.00
Trichlorofluoromethane	< 2.00
Vinyl chloride	< 2.00

<b>Aromatics</b>	<b>Results in ug / L</b>
Benzene	< 0.700
Chlorobenzene	< 2.00
Ethylbenzene	< 2.00
Toluene	< 2.00
m,p-Xylene	< 2.00
o-Xylene	< 2.00
Styrene	< 5.00
1,2-Dichlorobenzene	< 2.00
1,3-Dichlorobenzene	< 2.00
1,4-Dichlorobenzene	< 2.00

<b>Ketones</b>	<b>Results in ug / L</b>
Acetone	B 29.3
2-Butanone	< 10.0
2-Hexanone	< 5.00
4-Methyl-2-pentanone	< 5.00

<b>Miscellaneous</b>	<b>Results in ug / L</b>
Carbon disulfide	< 2.00
Vinyl acetate	< 5.00

ELAP Number 10958

Method: EPA 8260B

Data File: V83862.D

Comments: ug / L = microgram per Liter

Signature:

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.



**Volatile Analysis Report for Non-potable Water**

**Client:** Lu Engineers

**Client Job Site:** Orchard/Whitney RI  
UST Evaluation  
**Client Job Number:** 4216-01  
**Field Location:** N/A  
**Field ID Number:** N/A  
**Sample Type:** Water

**Lab Project Number:** 11-1468  
**Lab Sample Number:** Water LRB 04/20  
**Date Sampled:** N/A  
**Date Received:** N/A  
**Date Analyzed:** 04/20/2011

Halocarbons	Results in ug / L
Bromodichloromethane	< 2.00
Bromomethane	< 2.00
Bromoform	< 5.00
Carbon Tetrachloride	< 2.00
Chloroethane	< 2.00
Chloromethane	< 2.00
2-Chloroethyl vinyl Ether	< 10.0
Chloroform	< 2.00
Dibromochloromethane	< 2.00
1,1-Dichloroethane	< 2.00
1,2-Dichloroethane	< 2.00
1,1-Dichloroethene	< 2.00
cis-1,2-Dichloroethene	< 2.00
trans-1,2-Dichloroethene	< 2.00
1,2-Dichloropropane	< 2.00
cis-1,3-Dichloropropene	< 2.00
trans-1,3-Dichloropropene	< 2.00
Methylene chloride	< 5.00
1,1,2,2-Tetrachloroethane	< 2.00
Tetrachloroethene	< 2.00
1,1,1-Trichloroethane	< 2.00
1,1,2-Trichloroethane	< 2.00
Trichloroethene	< 2.00
Trichlorofluoromethane	< 2.00
Vinyl chloride	< 2.00

Aromatics	Results in ug / L
Benzene	< 0.700
Chlorobenzene	< 2.00
Ethylbenzene	< 2.00
Toluene	< 2.00
m,p-Xylene	< 2.00
o-Xylene	< 2.00
Styrene	< 5.00
1,2-Dichlorobenzene	< 2.00
1,3-Dichlorobenzene	< 2.00
1,4-Dichlorobenzene	< 2.00

Ketones	Results in ug / L
Acetone	11.6
2-Butanone	< 10.0
2-Hexanone	< 5.00
4-Methyl-2-pentanone	< 5.00

Miscellaneous	Results in ug / L
Carbon disulfide	< 2.00
Vinyl acetate	< 5.00

ELAP Number 10958

Method: EPA 8260B

Data File: V83861.D

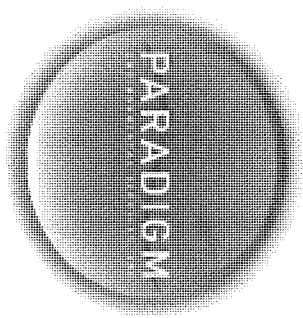
Comments: ug / L = microgram per Liter

Signature:

  
Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

# CHAIN OF CUSTODY



PARADIGM

REPORT TO:

INVOICE TO:

PROJECT NAME/SITE NAME:  
Orchard/Wiltney RI  
UST Evaluation

COMPANY: **Lu Engineers**  
ADDRESS: **175 Sullivan's Trail Suite 202**  
CITY: **Pittsford** STATE: **NY** ZIP: **14534**  
PHONE: **385-7417** FAX: \_\_\_\_\_

COMPANY: **Same**  
ADDRESS: \_\_\_\_\_  
CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_  
PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_

LAB PROJECT #: **11-1468** CLIENT PROJECT #: **4216-01**  
TURNAROUND TIME: (WORKING DAYS)  
**\* 10 Day TAT on chimney water**  
Quotation #  1  2  3  5  
STD OTHER

ATTN: **Eric Detweiler / Greg Andrews** ATTN: **\*NON-ASP Cat B**  
COMMENTS: **email to edetweiler@luengineers.com/gregandrus@luengineers.com**  
**\* Invoice existing P.O.**

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRADES	SAMPLE LOCATION/FIELD ID	MATERIALS	CONTAMINANTS	TPH 310.13	Flashpoint	PCBs	RCA Metals	82608	REMARKS	PARADIGM LAB SAMPLE NUMBER
1 4/14/11	2:30	X		Tank 1	Non Ag liquid	X	X	X	X	X	X	petrol. odor - product	5023
2	2:40	X		Tank 2		X	X	X	X	X	X	petrol. odor - product	5024
3	2:45	X		Tank 3		X	X	X	X	X	X	petrol. odor - product	5025
4	2:50	X		Tank 4		X	X	X	X	X	X	appears to be gas & water	5026
5	2:55	X		Tank 5		X	X	X	X	X	X	mostly watery, minimal spirit odor	5027
6	3:20	X		Tank 6	Ag	X	X	X	X	X	X	appears to be water	5028
7 4/15/11	9:45	X		Tank 7	Non Ag	X	X	X	X	X	X	solvent-like odor	5029
8 4/15/11	11:00	X		Tank 8	Non Ag	X	X	X	X	X	X	solvent-like odor	5030
9 4/14/11	9:30	X		Chimney-water	water	X	X	X	X	X	X	large sludge layer, deaerated water and chimney water	5031

\*\*LAB USE ONLY BELOW THIS LINE\*\*  
 Sample Condition: Per NELAC/ELAP 2102/4112/242/243/244  
 Receipt Parameter: \_\_\_\_\_ NELAC Compliance  
 Container Type: \_\_\_\_\_ Y  N   
 Comments: Tank 6, Chimney Water voc portion trans. to vba via at 105 Preservation: Y  N   
 Comments: Tank 6, Chimney Water HMO3 added to metals, HCl to vocs Holding Time: Y  N   
 Comments: \_\_\_\_\_ Temperature: \_\_\_\_\_ Y  N   
 Comments: \_\_\_\_\_ 11°Ciced on 4/15

Received By: **Eric Detweiler** Date/Time: **4/14/11 - 4:15/11**  
 Relinquished By: **[Signature]** Date/Time: **4/15/11 14:50**  
 Received By: **[Signature]** Date/Time: **4/15-11/1450**  
 Received By: **Elizabeth A Honick** Date/Time: **4/18/11 1145**  
 Received @ Lab By: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 P.I.F.

**UST BEDDING MATERIAL**



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

## Analytical Report Cover Page

### *Lu Engineers*

For Lab Project # 11-1821

Issued May 13, 2011

This report contains a total of 16 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

**"<" = analyzed for but not detected at or above the reporting limit.**

**"E" = Result has been estimated, calibration limit exceeded.**

**"Z" = See case narrative.**

**"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.**

**"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.**

**"B" = Method blank contained trace levels of analyte. Refer to included method blank report.**



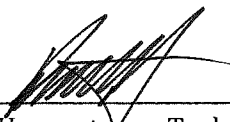
**LABORATORY REPORT FOR pH ANALYSIS**

<b>Client:</b>	<u>Lu Engineers</u>	<b>Lab Project No.:</b>	11-1821
<b>Client Job Site:</b>	Orchard/Whitney RI UST	<b>Date Sampled:</b>	5/10/2011
<b>Client Job No.:</b>	4216-01	<b>Time Sampled:</b>	13:10-13:40
<b>Analytical Method:</b>	SW 9045C	<b>Date Received:</b>	5/10/2011
<b>Sample Type:</b>	Soil	<b>Date Analyzed:</b>	5/11/2011
		<b>Time Analyzed:</b>	15:45
		<b>Location:</b>	Lab

Lab Sample ID.	Sample Location/Field ID	pH Results (S.U.)
6158	Tank 1-5 Vault - Sand	8.62 @ 22.9 °C
6159	Tank 6 Vault - Sand	8.04 @ 21.8 °C
6160	Tank 7-8 Vault - Sand	7.67 @ 22.9 °C
6161	Tank 9 Vault - Sand	7.88 @ 22.8 °C

ELAP ID No.: 10958

Comments:

Approved By:   
Bruce Hoogesteger, Technical Director



**LAB REPORT FOR FLASHPOINT ANALYSIS**

**Client:** Lu Engineers

**Lab Project No.:** 11-1821

**Client Job Site:** Orchard / Whitney RI  
UST

**Sample Type:** Water and Sand  
**Method:** SW846 1010

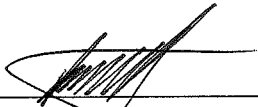
**Client Job No.:** 4216-01

**Date Sampled:** 05/10/2011  
**Date Received:** 05/10/2011  
**Date Analyzed:** 05/12/2011

Lab Sample No.	Field ID No.	Field Location	Flashpoint Results (°C)
6157	N/A	Tank 9 Vault - Water	>70
6158	N/A	Tank 1-5 Vault - Sand	>70
6159	N/A	Tank 6 Vault - Sand	>70
6160	N/A	Tank 7-8 Vault - Sand	>70
6161	N/A	Tank 9 Vault - Sand	>70

ELAP ID No.:10958

Comments:

**Approved By:**   
Bruce Hoogesteger, Technical Director



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

**LAB REPORT FOR TCLP RCRA METALS ANALYSIS**

**Client:** Lu Engineers  
**Client Job Site:** Orchard / Whitney RI  
UST  
**Client Job No.:** 4216-01  
**Field Location:** Tank 1-5 Vault - sand  
**Field ID No.:** N/A

**Lab Project No.:** 11-1821  
**Lab Sample No.:** 6158  
**Sample Type:** TCLP Extract  
**Date Sampled:** 05/10/2011  
**Date Received:** 05/10/2011

Parameter	Date Analyzed	Analytical Method	Result (mg/L)	Regulatory Limit (mg/L)
Chromium	05/12/2011	SW846 3005/6010	<0.050	5.0
Lead	05/12/2011	SW846 3005/6010	<0.100	5.0

ELAP ID No.:10958

Comments:

Approved By:   
Bruce Hoogesteger, Technical Director





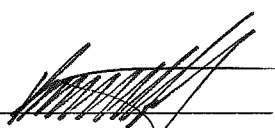
**LAB REPORT FOR TCLP RCRA METALS ANALYSIS**

<b>Client:</b>	<u>Lu Engineers</u>	<b>Lab Project No.:</b>	11-1821
<b>Client Job Site:</b>	Orchard / Whitney RI UST	<b>Lab Sample No.:</b>	6159
<b>Client Job No.:</b>	4216-01	<b>Sample Type:</b>	TCLP Extract
<b>Field Location:</b>	Tank 6 Vault - Sand	<b>Date Sampled:</b>	05/10/2011
<b>Field ID No.:</b>	N/A	<b>Date Received:</b>	05/10/2011

Parameter	Date Analyzed	Analytical Method	Result (mg/L)	Regulatory Limit (mg/L)
Chromium	05/12/2011	SW846 3005/6010	<0.050	5.0
Lead	05/12/2011	SW846 3005/6010	16.6	5.0

ELAP ID No.:10958

Comments:

Approved By:   
Bruce Hoogesteger, Technical Director



**LAB REPORT FOR TCLP RCRA METALS ANALYSIS**

**Client:** Lu Engineers  
**Client Job Site:** Orchard / Whitney RI  
UST  
**Client Job No.:** 4216-01  
**Field Location:** Tank 7-8 Vault - Sand  
**Field ID No.:** N/A

**Lab Project No.:** 11-1821  
**Lab Sample No.:** 6160  
**Sample Type:** TCLP Extract  
**Date Sampled:** 05/10/2011  
**Date Received:** 05/10/2011

Parameter	Date Analyzed	Analytical Method	Result (mg/L)	Regulatory Limit (mg/L)
Chromium	05/12/2011	SW846 3005/6010	0.078	5.0
Lead	05/12/2011	SW846 3005/6010	<0.100	5.0

ELAP ID No.:10958

Comments:

**Approved By:**   
Bruce Hoogesteger, Technical Director



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

**LAB REPORT FOR TCLP RCRA METALS ANALYSIS**

**Client:** Lu Engineers  
**Client Job Site:** Orchard / Whitney RI  
UST  
**Client Job No.:** 4216-01  
**Field Location:** Tank 9 Vault - Sand  
**Field ID No.:** N/A

**Lab Project No.:** 11-1821  
**Lab Sample No.:** 6161  
**Sample Type:** TCLP Extract  
**Date Sampled:** 05/10/2011  
**Date Received:** 05/10/2011

Parameter	Date Analyzed	Analytical Method	Result (mg/L)	Regulatory Limit (mg/L)
Chromium	05/12/2011	SW846 3005/6010	<0.050	5.0
Lead	05/12/2011	SW846 3005/6010	<0.100	5.0

ELAP ID No.:10958

Comments:

Approved By:   
Bruce Hoogesteger, Technical Director



**Volatile Analysis Report for TCLP Extract**

**Client:** Lu Engineers

<b>Client Job Site:</b>	Orchard / Whitney RI UST	<b>Lab Project Number:</b>	11-1821
<b>Client Job Number:</b>	4216-01	<b>Lab Sample Number:</b>	6158
<b>Field Location:</b>	Tank 1-5 Vault - Sand	<b>Date Sampled:</b>	05/10/2011
<b>Field ID Number:</b>	N/A	<b>Date Received:</b>	05/10/2011
<b>Sample Type:</b>	TCLP Extract	<b>Date Analyzed:</b>	05/11/2011

Aromatics	Results in ug / L
Benzene	6.66
Ethylbenzene	27.0
Toluene	20.4
m,p-Xylene	101
o-Xylene	11.6


ELAP Number 10958

Method: EPA 8260B

Data File: V84471.D

Comments: ug / L = microgram per Liter

Signature: \_\_\_\_\_

  
Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.



**Volatile Analysis Report for TCLP Extract**

**Client:** Lu Engineers

<b>Client Job Site:</b>	Orchard / Whitney RI UST	<b>Lab Project Number:</b>	11-1821
<b>Client Job Number:</b>	4216-01	<b>Lab Sample Number:</b>	6159
<b>Field Location:</b>	Tank 6 Vault - Sand	<b>Date Sampled:</b>	05/10/2011
<b>Field ID Number:</b>	N/A	<b>Date Received:</b>	05/10/2011
<b>Sample Type:</b>	TCLP Extract	<b>Date Analyzed:</b>	05/11/2011

<b>Aromatics</b>	<b>Results in ug / L</b>
Benzene	< 2.00
Ethylbenzene	< 2.00
Toluene	3.53
m,p-Xylene	5.56
o-Xylene	2.65

ELAP Number 10958

Method: EPA 8260B

Data File: V84472.D

Comments: ug / L = microgram per Liter

Signature: \_\_\_\_\_

Bruce Hoogesteger, Technical Director

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**Volatile Analysis Report for TCLP Extract**

**Client:** Lu Engineers

<b>Client Job Site:</b>	Orchard / Whitney RI UST	<b>Lab Project Number:</b>	11-1821
<b>Client Job Number:</b>	4216-01	<b>Lab Sample Number:</b>	6160
<b>Field Location:</b>	Tank 7-8 Vault - Sand	<b>Date Sampled:</b>	05/10/2011
<b>Field ID Number:</b>	N/A	<b>Date Received:</b>	05/10/2011
<b>Sample Type:</b>	TCLP Extract	<b>Date Analyzed:</b>	05/11/2011

<b>Aromatics</b>	<b>Results in ug / L</b>
Benzene	9.36
Ethylbenzene	4.53
Toluene	36.4
m,p-Xylene	38.8
o-Xylene	16.7

ELAP Number 10958

Method: EPA 8260B

Data File: V84473.D

Comments: ug / L = microgram per Liter

Signature: \_\_\_\_\_

Bruce Hoogesteger: Technical Director

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**Volatile Analysis Report for TCLP Extract**

**Client:** Lu Engineers

<b>Client Job Site:</b>	Orchard / Whitney RI UST	<b>Lab Project Number:</b>	11-1821
<b>Client Job Number:</b>	4216-01	<b>Lab Sample Number:</b>	6161
<b>Field Location:</b>	Tank 9 Vault - Sand	<b>Date Sampled:</b>	05/10/2011
<b>Field ID Number:</b>	N/A	<b>Date Received:</b>	05/10/2011
<b>Sample Type:</b>	TCLP Extract	<b>Date Analyzed:</b>	05/11/2011

Aromatics	Results in ug / L
Benzene	< 2.00
Ethylbenzene	< 2.00
Toluene	< 2.00
m,p-Xylene	12.2
o-Xylene	< 2.00


ELAP Number 10958

Method: EPA 8260B

Data File: V84474.D

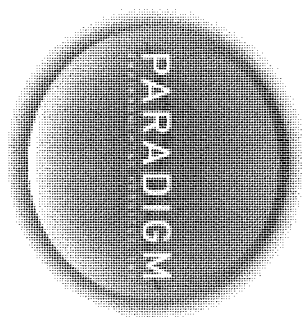
Comments: ug / L = microgram per Liter

Signature: \_\_\_\_\_

  
Bruce Hoogesteger: Technical Director

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# CHAIN OF CUSTODY



PARADIGM

REPORT TO:

INVOICE TO:

COMPANY: <b>Lu Engineers</b>	COMPANY: <b>Same</b>	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS: <b>175 Sullys Trail Suite 202</b>	ADDRESS:	<b>11-1821</b>	<b>4216-01</b>
CITY: <b>Pittsford</b>	CITY: <b>Pittsford</b>	TURNAROUND TIME: (WORKING DAYS)	
STATE: <b>NY</b>	STATE: <b>NY</b>	<b>24 hr on total Chromium Tank 9 vault</b>	
ZIP: <b>14534</b>	ZIP:	<b>3 day TAT on remaining analysis</b>	
PHONE: <b>385-7417</b>	PHONE:	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 5	
FAX:	FAX:	OTHER:	
ATTN: <b>Greg Andrews</b>	ATTN:	Quotation # <b>MS02111A</b>	

PROJECT NAME/SITE NAME: **Overhead/Whitney RI**  
 COMMENTS: **email to gregandrus@luengineers.com**

REQUESTED ANALYSIS: **P.O. 149387**  
**TCLP BTEX VOCs 8260**  
**Flashpoint**  
**pH**  
**TCLP Lead/Chromium**  
**Total Chromium**  
**Total Lead**  
**BTEX VOCs 8260**

DATE	TIME	COMPOSITE	G R A B	SAMPLE LOCATION/FIELD ID	M A T R I X	C O N T A M I N E N T S	REMARKS	PARADIGM LAB SAMPLE NUMBER
1 5/10/11	12:45	X		Tank 9 vault - water	water	4		10157
2	1:10	X		Tank 1-5 vault - sand	soil	3	*24 hr on T. Chromium analysis	10158
3	1:20	X		Tank 6 vault - sand		3	*could not get cell air space	10159
4	1:30	X		Tank 7-B vault - sand		3	out of VOC water sample	10160
5	1:40	X		Tank 9 vault - sand		3	*decont water portion only for metals analysis	10161
6							*Strong petrol odor on sand samples	
7								
8								
9								
10								

\*\*LAB USE ONLY BELOW THIS LINE\*\*

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter: **NELAC Compliance**

Container Type:  Y  N  
 Comments: **8260 Metals rec'd w/ spec. mg 5/10**

Preservation:  Y  N  
 Comments: **eng 5/10**

Holding Time:  Y  N  
 Comments: **PH rec'd post HT mg 5/10**

Temperature: **12°C**  Y  N

Sampled By: **Eric Detweiler** Date/Time: **5/10/11**  
 Relinquished By: **Eric Detweiler** Date/Time: **5/10/11 2:14**  
 Total Cost:

Received By: **Greg Andrews** Date/Time: **5/10/11 1435**  
 Received @ Lab By: **Greg Andrews** Date/Time: **5/10/11 1435**  
 P.I.F.

AS CD 510, mix well and analyze all layers as 18 sample. EAH STD layer of sand Per 50

Tank 9 water has sediment on bottom. Also has a floating





**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

## Analytical Report Cover Page

### **Lu Engineers**

For Lab Project # 11-2032

Issued May 27, 2011

Re-Issued June 1, 2011

This report contains a total of 6 pages

***This project has been re-issued to correct the field location on the Metals report for sample 6876.***

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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**"E" = Result has been estimated, calibration limit exceeded.**

**"Z" = See case narrative.**

**"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.**

**"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.**

**"B" = Method blank contained trace levels of analyte. Refer to included method blank report.**



**Volatile Analysis Report for Soils/Solids/Sludges**

**Client:** Lu Engineers

**Client Job Site:** Orchard/Whitney UST

**Lab Project Number:** 11-2032

**Lab Sample Number:** 6877

**Client Job Number:** 4216-01

**Field Location:** Tank 6 Vault - Sand

**Date Sampled:** 05/20/2011

**Field ID Number:** N/A

**Date Received:** 05/23/2011

**Sample Type:** Soil

**Date Analyzed:** 05/24/2011

Halocarbons	Results in ug / Kg
Bromodichloromethane	< 1,650
Bromomethane	< 1,650
Bromoform	< 4,130
Carbon Tetrachloride	< 1,650
Chloroethane	< 1,650
Chloromethane	< 1,650
2-Chloroethyl vinyl Ether	< 8,260
Chloroform	< 1,650
Dibromochloromethane	< 1,650
1,1-Dichloroethane	< 1,650
1,2-Dichloroethane	< 1,650
1,1-Dichloroethene	< 1,650
cis-1,2-Dichloroethene	< 1,650
trans-1,2-Dichloroethene	< 1,650
1,2-Dichloropropane	< 1,650
cis-1,3-Dichloropropene	< 1,650
trans-1,3-Dichloropropene	< 1,650
Methylene chloride	< 4,130
1,1,2,2-Tetrachloroethane	< 1,650
Tetrachloroethene	< 1,650
1,1,1-Trichloroethane	< 1,650
1,1,2-Trichloroethane	< 1,650
Trichloroethene	< 1,650
Trichlorofluoromethane	< 1,650
Vinyl chloride	< 1,650

Aromatics	Results in ug / Kg
Benzene	< 1,650
Chlorobenzene	< 1,650
Ethylbenzene	13,100
Toluene	< 1,650
m,p-Xylene	161,000
o-Xylene	11,500
Styrene	< 4,130
1,2-Dichlorobenzene	< 1,650
1,3-Dichlorobenzene	< 1,650
1,4-Dichlorobenzene	< 1,650

Ketones	Results in ug / Kg
Acetone	< 8,260
2-Butanone	< 8,260
2-Hexanone	< 4,130
4-Methyl-2-pentanone	< 4,130

Miscellaneous	Results in ug / Kg
Carbon disulfide	< 1,650
Vinyl acetate	< 4,130

ELAP Number 10958

Method: EPA 8260B

Data File: V84923.D

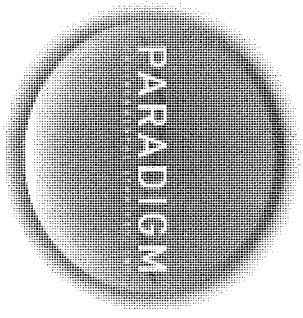
Comments: ug / Kg = microgram per Kilogram

Signature:

*Bruce Hoogesteger*  
Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

# CHAIN OF CUSTODY



PARADIGM

PROJECT NAME/SITE NAME: Orchard/Wildfire  
UST

REPORT TO:

INVOICE TO:

COMPANY: Lu Engineers  
 ADDRESS: 175 Sullivan Trail Suite 202  
 CITY: Pittsford STATE: NY ZIP: 14534  
 PHONE: 385-7417 FAX:  
 ATTN: Greg Andrews

COMPANY: Same  
 ADDRESS:  
 CITY: STATE: ZIP:  
 PHONE: FAX:  
 ATTN:

LAB PROJECT #: 11-2032 CLIENT PROJECT #: 4216-01  
 TURNAROUND TIME (WORKING DAYS):  
 1  2  3  5  OTHER  
 Quotation # MS021111A

COMMENTS: email to gregandrews@luengineers.com REQUESTED ANALYSIS: PO# 149887

DATE	TIME	COMPOSITE	G R A B	SAMPLE LOCATION/FIELD ID	M A T R I X	C O N T A M I N E N T S	TCL VOCs	TCL SVOCs	PCRA Metals	REMARKS	PARADIGM LAB SAMPLE NUMBER
1 5/20/11	11:40		X	Tank 6 Vault - 9.5'	Soil	3	X	X	X	*Standard TAT petrol	6876
2 5/20/11	3:20	X		Tank 6 Vault - sand	soil	1	X			*3 day TAT, petrol contamination	6877
3											
4											
5											
6											
7											
8											
9											
10											

\*\*LAB USE ONLY BELOW THIS LINE\*\*

Sample Condition: Per NELAC/EIAP 210/241/242/243/244

Receipt Parameter NELAC Compliance

Container Type:  Y  N

Preservation: N/A  Y  N

Holding Time:  Y  N

Temperature: 15 read  Y  N  
 @1730-pres. begun in field

Sampled By: Eric DeWetter Date/Time: 5/20/11

Relinquished By: Tim DeWetter Date/Time: 5/20/11 5:04

Received By: Gene Palumbo Date/Time: 5/20/11 17:04

Received @ Lab By: Elisabeth A Yonck Date/Time: 5/23/11 1010

Total Cost:

P.I.F.

**UST VAULT WATER**



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

## Analytical Report Cover Page

### **Lu Engineers**

For Lab Project # 11-1811

Issued May 11, 2011

This report contains a total of 7 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

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**"E" = Result has been estimated, calibration limit exceeded.**

**"Z" = See case narrative.**

**"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.**

**"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.**

**"B" = Method blank contained trace levels of analyte. Refer to included method blank report.**



**LAB REPORT FOR pH ANALYSIS IN WATERS**

**Client:** Lu Engineers

**Lab Project No.:** 11-1811

**Client Job Site:** Orchard / Whitney RI

**Sample Type:** Water  
**Method:** SM19 4500HB / EPA 9040

**Client Job No.:** 4216-01

**Date Sampled:** 05/09/2011  
**Time Sampled:** 4:10 & 4:20 PM  
**Date Received:** 05/09/2011  
**Time Received:** 5:10 PM  
**Date Analyzed:** 05/09/2011  
**Time Analyzed:** 5:25 PM  
**Location:** Lab

Lab Sample No.	Field ID No.	Field Location	pH Results (S.U.)
6130	N/A	Tank Vault 1-5 - Water	7.72 @ 20.2 °C
6131	N/A	Tank Vault 6 - Water	6.07 @ 18.6 °C

ELAP ID No.:10958

Comments:

**Approved By:**   
Bruce Hoogesteger, Technical Director



**LAB REPORT FOR FLASHPOINT ANALYSIS**

<b>Client:</b>	<b><u>Lu Engineers</u></b>	<b>Lab Project No.:</b>	11-1811
<b>Client Job Site:</b>	Orchard / Whitney RI	<b>Sample Type:</b>	Water
<b>Client Job No.:</b>	4216.01	<b>Method:</b>	SW846 1010
		<b>Date Sampled:</b>	05/09/2011
		<b>Date Received:</b>	05/09/2011
		<b>Date Analyzed:</b>	05/11/2011

Lab Sample No.	Field ID No.	Field Location	Flashpoint Results (°C)
6130	N/A	Tank Vault 1-5 Water	> 70
6131	N/A	Tank Vault 6 - Water	> 70

ELAP ID No.:10958

Comments:

**Approved By:** \_\_\_\_\_  
  
 Bruce Hoogesteger, Technical Director



**LAB REPORT FOR METALS ANALYSIS IN WATER**

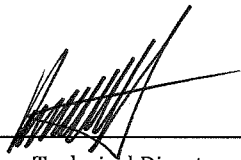
**Client:** Lu Engineers  
**Client Job Site:** Orchard/Whitney RI  
**Client Job No.:** 4216-01

**Lab Project No.:** 11-1811  
**Sample Type:** Water  
**Method:** EPA 3005/200.7  
**Date Sampled:** 05/09/2011  
**Date Received:** 05/09/2011  
**Date Analyzed:** 05/11/2011

Lab Sample No.	Field ID No.	Field Location	Chromium Results (mg/L)	Lead Results (mg/L)
6130	N/A	Tank Vault 1-5 - Water	0.138	0.538
6131	N/A	Tank Vault 6 - Water	0.025	2.30

ELAP ID No.:10958

Comments:

Approved By:   
Bruce Hoogesteger, Technical Director





**Volatile Analysis Report for Non-potable Water**

**Client:** Lu Engineers

**Client Job Site:** Orchard / Whitney RI  
**Client Job Number:** 4216-01  
**Field Location:** Tank Vault 1-5 - Water  
**Field ID Number:** N/A  
**Sample Type:** Water

**Lab Project Number:** 11-1811  
**Lab Sample Number:** 6130  
**Date Sampled:** 05/09/2011  
**Date Received:** 05/09/2011  
**Date Analyzed:** 05/09/2011

<b>Aromatics</b>	<b>Results in ug / L</b>
Benzene	< 70.0
Ethylbenzene	< 200
Toluene	< 200
m,p-Xylene	557
o-Xylene	< 200

ELAP Number 10958

Method: EPA 8260B

Data File: V84430.D

Comments: ug / L = microgram per Liter

Signature: \_\_\_\_\_

Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.



**Volatile Analysis Report for Non-potable Water**

**Client:** Lu Engineers

**Client Job Site:** Orchard / Whitney RI

**Lab Project Number:** 11-1811

**Lab Sample Number:** 6131

**Client Job Number:** 4216-01

**Field Location:** Tank Vault 6 - Water

**Date Sampled:** 05/09/2011

**Field ID Number:** N/A

**Date Received:** 05/09/2011

**Sample Type:** Water

**Date Analyzed:** 05/10/2011

<b>Aromatics</b>	<b>Results in ug / L</b>
Benzene	274
Ethylbenzene	268
Toluene	998
m,p-Xylene	1,450
o-Xylene	644

ELAP Number 10958

Method: EPA 8260B

Data File: V84439.D

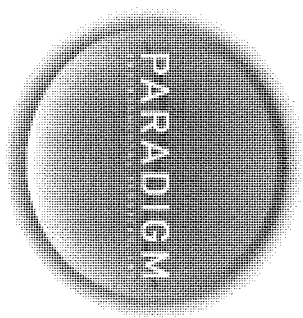
Comments: ug / L = microgram per Liter

Signature: \_\_\_\_\_

Bruce Hoogesteger: Technical Director

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# CHAIN OF CUSTODY



PARADIGM

REPORT TO:

INVOICE TO:

COMPANY: <b>Lu Engineers</b>	COMPANY: <b>Same</b>	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS: <b>175 Sullivan's Trail, Suite 202</b>	ADDRESS:	<b>11-1811</b>	<b>4216-01</b>
CITY: <b>Pittsford</b> STATE: <b>NY</b> ZIP: <b>14534</b>	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)	
PHONE: <b>385-7417</b> FAX:	PHONE: FAX:		
ATTN: <b>Gary Andrews</b> <b>732-5786</b>	ATTN:	STANDARD OTHER	

PROJECT NAME/SITE NAME: **Orchard/Winterway RI**  
 COMMENTS: **Please email results to: gregandrus@luengineers.com \*P.O. 149387**  
 REQUESTED ANALYSIS: **BT EX VOC, 8260 Total Chromium, Total Lead, Flashpoint, pH**  
 Quotation # **MS021111A** TAT 6-29-31.0  
 Per SD, due 5/14/06 per client.

DATE	TIME	COMPOSITE	GRADES	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAMINANTS	ANALYSIS	REMARKS	PARADIGM LAB SAMPLE NUMBER
15/9/11	4:10	X		Tank Vault 1-5 - water	water	4	X X X X X	could not get all airspace out of VOC samples due to foam/debris	6130
25/9/11	4:20	X		Tank Vault 6 - water	water	4	X X X X X	*decant water portion only for metals analysis	6131
								at log in	
								EAH 5/9	
								EAH 5/9	

\*\*LAB USE ONLY BELOW THIS LINE\*\*

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter: **NELAC Compliance**

Container Type: Y  N

Preservation: Y  N

Holding Time: Y  N

Temperature: Y  N

Comments: **19°C recd. pres. begun in field**

---

Sampled By: **Eric Detwiler** Date/Time: **5/9/11 4:20**

Relinquished By: **Eric Detwiler** Date/Time: **5/9/11 4:50**

Received By: **Shirley A. Hornak** Date/Time: **5/9/11 1710**

Received @ Lab By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Total Cost: \_\_\_\_\_

P.I.F. \_\_\_\_\_



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

## Analytical Report Cover Page

### *Lu Engineers*

For Lab Project # 11-1821  
Issued May 13, 2011  
This report contains a total of 16 pages

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"B" = Method blank contained trace levels of analyte. Refer to included method blank report.



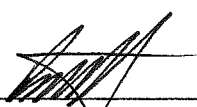
**LABORATORY REPORT FOR pH ANALYSIS**

<b>Client:</b>	<b><u>Lu Engineers</u></b>	<b>Lab Project No.:</b>	11-1821
<b>Client Job Site:</b>	Orchard/Whitney RI UST	<b>Date Sampled:</b>	5/10/2011
<b>Client Job No.:</b>	4216-01	<b>Time Sampled:</b>	12:45
<b>Analytical Method:</b>	EPA 9040 / SM19 4500HB	<b>Date Received:</b>	5/10/2011
<b>Sample Type:</b>	Water	<b>Date Analyzed:</b>	5/10/2011
		<b>Time Analyzed:</b>	17:10
		<b>Location:</b>	Lab

Lab Sample ID.	Sample Location/Field ID	pH Results (S.U.)
6157	Tank 9 Vault - Water	7.93 @ 22.2 °C

ELAP ID No.: 10958

Comments:

**Approved By:**   
Bruce Hoogsteger, Technical Director



**LAB REPORT FOR FLASHPOINT ANALYSIS**

**Client:** Lu Engineers

**Lab Project No.:** 11-1821

**Client Job Site:** Orchard / Whitney RI  
UST

**Sample Type:** Water and Sand  
**Method:** SW846 1010

**Client Job No.:** 4216-01

**Date Sampled:** 05/10/2011  
**Date Received:** 05/10/2011  
**Date Analyzed:** 05/12/2011

Lab Sample No.	Field ID No.	Field Location	Flashpoint Results (°C)
6157	N/A	Tank 9 Vault - Water	>70
6158	N/A	Tank 1-5 Vault - Sand	>70
6159	N/A	Tank 6 Vault - Sand	>70
6160	N/A	Tank 7-8 Vault - Sand	>70
6161	N/A	Tank 9 Vault - Sand	>70

ELAP ID No.:10958

Comments:

**Approved By:**   
Bruce Hoogesteger, Technical Director



**LAB REPORT FOR METALS ANALYSIS IN WATER**

**Client:** Lu Engineers

**Lab Project No.:** 11-1821

**Client Job Site:** Orchard/Whitney RI UST

**Sample Type:** Water  
**Method:** EPA 3005/200.7

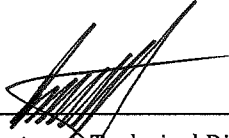
**Client Job No.:** 4216-01

**Date Sampled:** 05/10/2011  
**Date Received:** 05/10/2011  
**Date Analyzed:** 05/11/2011

Lab Sample No.	Field ID No.	Field Location	Chromium Results (mg/L)
6157	N/A	Tank 9 Vault - Water	3.43

ELAP ID No.:10958

Comments:

**Approved By:**  \_\_\_\_\_  
Bruce Hoogestege, Technical Director



**LAB REPORT FOR METALS ANALYSIS IN WATER**

<b>Client:</b>	<u>Lu Engineers</u>	<b>Lab Project No.:</b>	11-1821
<b>Client Job Site:</b>	Orchard / Whitney RI UST	<b>Sample Type:</b>	Water
<b>Client Job No.:</b>	4216-01	<b>Method:</b>	EPA 3005/200.7
		<b>Date Sampled:</b>	05/10/2011
		<b>Date Received:</b>	05/10/2011
		<b>Date Analyzed:</b>	01/05/1900

Lab Sample No.	Field ID No.	Field Location	Lead Results (mg/L)
6157	N/A	Tank 9 Vault	10.9

ELAP ID No.:10958

Comments:

**Approved By:**   
Bruce Hoogesteger, Technical Director



### Volatile Analysis Report for Non-potable Water

**Client:** Lu Engineers

<b>Client Job Site:</b> Orchard / Whitney RI UST	<b>Lab Project Number:</b> 11-1821
	<b>Lab Sample Number:</b> 6157
<b>Client Job Number:</b> 4216-01	
<b>Field Location:</b> Tank 9 Vault - Water	<b>Date Sampled:</b> 05/10/2011
<b>Field ID Number:</b> N/A	<b>Date Received:</b> 05/10/2011
<b>Sample Type:</b> Water	<b>Date Analyzed:</b> 05/11/2011

Aromatics	Results in ug / L
Benzene	< 70.0
Ethylbenzene	< 200
Toluene	< 200
m,p-Xylene	1,020
o-Xylene	< 200

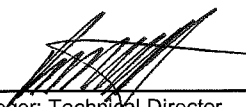
ELAP Number 10958

Method: EPA 8260B

Data File: V84470.D

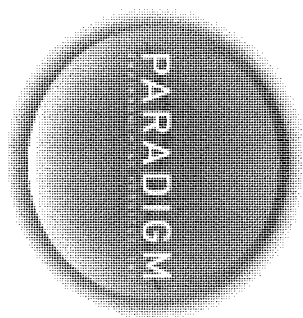
Comments: ug / L = microgram per Liter

Signature: \_\_\_\_\_

  
 Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

# CHAIN OF CUSTODY



PARADIGM

REPORT TO:

INVOICE TO:

COMPANY: <b>Lu Engineers</b>	COMPANY: <b>Same</b>	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS: <b>175 Sullys Trail Suite 202</b>	ADDRESS:	<b>11-1821</b>	<b>4216-01</b>
CITY: <b>Pittsford</b>	STATE: <b>NY</b>	TURNAROUND TIME: (WORKING DAYS)	
ZIP: <b>14534</b>	CITY: <b>Pittsford</b>	<b>*24 hr on total Chromium Tank 9 vault</b>	
PHONE: <b>385-7417</b>	PHONE:	<b>3 day TAT on remaining analysis</b>	
FAX:	FAX:	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 5	
ATTN: <b>Greg Andrews</b>	ATTN:	OTHER:	
PROJECT NAME/SITE NAME: <b>Overhead/Whitney RI</b>	COMMENTS: <b>email to gregandrus@luengineers.com</b>	REQUESTED ANALYSIS: <b>P.O. 149387</b>	Quotation # <b>MS02111A</b>

DATE	TIME	COMPOSITE	G R A B	SAMPLE LOCATION/FIELD ID	M A T R I X	C O N T A M I N A N T S	TESTS	REMARKS	PARADIGM LAB SAMPLE NUMBER
1 5/10/11	12:45	X		Tank 9 vault - water	water	4	TCLP BTEX VOCs 8260 Flashpoint pH TCLP Lead/Chromium Total Chromium Total Lead BTEX VOCs 8260	*24 hr on T. Chromium analysis	10157
2	1:10	X		Tank 1-5 vault - sand	soil	3	X X X X	*could not get cell air space	10158
3	1:20	X		Tank 6 vault - sand		3	X X X X	out of VOC water sample	10159
4	1:30	X		Tank 7-8 vault - sand		3	X X X X	*decont water portion	10160
5	1:40	X		Tank 9 vault - sand		3	X X X X	only for metals analysis	10161
6								*Strong petrol odor on sand samples	
7									
8									
9									
10									

\*\*LAB USE ONLY BELOW THIS LINE\*\*

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter: **NELAC Compliance**

Container Type:  Y  N

Preservation:  Y  N

Holding Time:  Y  N

Temperature: **12°C**  Y  N

as CD 510, mix well and analyze all layers as 18 sample. EAH STD layer of sand Per 50

Tank 9 water has sediment on bottom. Also has a floating

Sampled By: **Eric Detweiler** Date/Time: **5/10/11**

Relinquished By: **Eric Detweiler** Date/Time: **5/10/11 2:14**

Received By: **[Signature]** Date/Time: **5/10/11 1435**

Received @ Lab By: **[Signature]** Date/Time: **5/10/11 1435**



## Analytical Report Cover Page

### **Lu Engineers**

For Lab Project # 11-1958

Issued May 19, 2011

This report contains a total of 3 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

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**"Z" = See case narrative.**

**"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.**

**"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.**

**"B" = Method blank contained trace levels of analyte. Refer to included method blank report.**



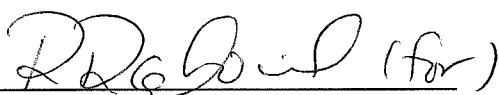
**LAB REPORT FOR RCRA METALS ANALYSIS IN WATERS**

**Client:** Lu Engineers **Lab Project No.:** 11-1958  
**Lab Sample No.:** 6620  
**Client Job Site:** Orchard/Whitney  
UST Evaluation **Sample Type:** Water  
**Client Job No.:** 4216-01 **Date Sampled:** 05/18/2011  
**Field Location:** Tank 9 Vault - Water B **Date Received:** 05/18/2011  
**Field ID No.:** N/A

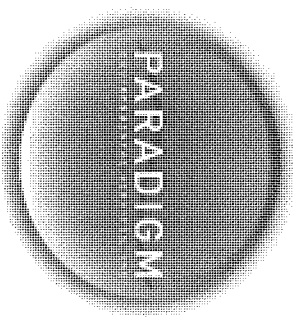
Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Arsenic	05/19/2011	SW846 3005/6010	<0.010
Barium	05/19/2011	SW846 3005/6010	0.141
Cadmium	05/19/2011	SW846 3005/6010	<0.005
Chromium	05/19/2011	SW846 3005/6010	1.56
Lead	05/19/2011	SW846 3005/6010	<0.010
Mercury	05/19/2011	SW846 7470	<0.0002
Selenium	05/19/2011	SW846 3005/6010	<0.010
Silver	05/19/2011	SW846 3005/6010	<0.010

ELAP ID No.:10958

Comments:

**Approved By:**   
Bruce Hoogesteger, Technical Director

# CHAIN OF CUSTODY



PARADIGM

REPORT TO:

INVOICE TO:

COMPANY: <u>Lu Engineers</u>	COMPANY: <u>Same</u>	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS: <u>175 Sully's Trail, Suite 202</u>	ADDRESS:	<u>11-1958</u>	<u>4216-01</u>
CITY: <u>Pittsford</u> STATE: <u>NY</u> ZIP: <u>14534</u>	CITY: STATE: ZIP:	TURNDOWN TIME: (WORKING DAYS)	
PHONE: <u>385-7417</u> FAX:	PHONE: FAX:		
ATTN: <u>Greg Andrus</u> 732-5186 2111	ATTN:	<input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5                   STD <input type="checkbox"/> OTHER	
COMMENTS: <u>email results to gregandrus@luengineers.com</u>	REQUESTED ANALYSIS	P.O. 149387 Quotation # MS021111A	

DATE	TIME	COMPOSITE	GRA B	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAMINANTS	REMARKS	PARADIGM LAB SAMPLE NUMBER
15/18/11	10:15	X		Tank 9 Vault - water B	water	X	NOTE: Cr the concern with with vermbals ASAP!	6620

\*\*LAB USE ONLY BELOW THIS LINE\*\*

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter: NELAC Compliance

Container Type:  Y  N

Preservation:  Y  N

Holding Time:  Y  N

Temperature: 18°C-DIABIC  Y  N

Comments: formetals only

Sampled By: Eme Defeliter Date/Time: 5/18/11 10:20 Total Cost:

Relinquished By: [Signature] Date/Time: 5/18/11 10:45

Received By: [Signature] Date/Time: 5/18/11 10:45 P.I.F.

Received @ Lab By: [Signature] Date/Time: 5/18/11 10:55

**TREATED/DISCHARGED VAULT WATER**



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

## Analytical Report Cover Page

### *Lu Engineers*

For Lab Project # 11-2306

Issued June 16, 2011

This report contains a total of 6 pages

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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**"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.**

**"B" = Method blank contained trace levels of analyte. Refer to included method blank report.**



**LAB REPORT FOR pH ANALYSIS IN WATERS**

Client: **Lu Engineers**

Lab Project No.: 11-2306

Client Job Site: Orch / Whitney

Sample Type: Water

Method: SM19 4500HB / EPA 9040

Client Job No.: 4215-01

Date Sampled: 06/09/2011

Time Sampled: 1:00 PM

Date Received: 06/09/2011

Time Received: 1:50 PM

Date Analyzed: 06/09/2011

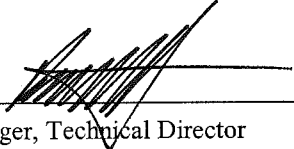
Time Analyzed: 4:14 PM

Location: Lab

Lab Sample No.	Field ID No.	Field Location	pH Results (S.U.)
7675	N/A	WW-02	11.66 @ 20.6 °C

ELAP ID No.:10958

Comments:

Approved By:   
Bruce Hoogesteger, Technical Director





**LAB REPORT FOR METALS ANALYSIS IN WATERS**

**Client:** Lu Engineers

**Lab Project No.:** 11-2306

**Lab Sample No.:** 7675

**Client Job Site:** Orch/Whitney

**Sample Type:** Water

**Client Job No.:** 4215-01

**Date Sampled:** 06/09/2011

**Date Received:** 06/09/2011

**Field Location:** WW-02

**Field ID No.:** N/A

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Antimony	06/14/2011	SW846 3005/6010	< 0.060
Arsenic	06/14/2011	SW846 3005/6010	< 0.010
Cadmium	06/14/2011	SW846 3005/6010	< 0.005
Chromium	06/14/2011	SW846 3005/6010	0.826
Copper	06/14/2011	SW846 3005/6010	< 0.025
Lead	06/14/2011	SW846 3005/6010	< 0.010
Nickel	06/14/2011	SW846 3005/6010	< 0.040
Selenium	06/14/2011	SW846 3005/6010	< 0.010
Silver	06/14/2011	SW846 3005/6010	< 0.010
Thallium	06/14/2011	SW846 3005/6010	< 0.025
Zinc	06/14/2011	SW846 3005/6010	< 0.060

ELAP ID No.:10958

Comments: The laboratory control spike and/or spike duplicate was outside QC limits for Ag, Cd, and Ni. The QCS was outside QC limits for Se.

Approved By:   
Bruce Hoogesteger, Technical Director



**Semi -Volatile Analysis Report for Non-potable Water**

**Client:** Lu Engineers

**Client Job Site:** Orch / Whitney

**Lab Project Number:** 11-2306

**Lab Sample Number:** 7675

**Client Job Number:** 4215-01

**Field Location:** WW-02

**Date Sampled:** 06/09/2011

**Field ID Number:** N/A

**Date Received:** 06/09/2011

**Sample Type:** Water

**Date Analyzed:** 06/13/2011

Base / Neutrals	Results in ug / L
Acenaphthene	< 10.0
Acenaphthylene	< 10.0
Anthracene	< 10.0
Benzo (a) anthracene	< 10.0
Benzo (a) pyrene	< 10.0
Benzo (b) fluoranthene	< 10.0
Benzo (g,h,i) perylene	< 10.0
Benzo (k) fluoranthene	< 10.0
Chrysene	< 10.0
Dibenz (a,h) anthracene	< 10.0
Fluoranthene	< 10.0
Fluorene	< 10.0
Indeno (1,2,3-cd) pyrene	< 10.0
Naphthalene	< 10.0
Phenanthrene	< 10.0
Pyrene	< 10.0


ELAP Number 10958

Analytical Method: EPA 625 (610 List)

Data File: S57186.D

Comments: ug / L = microgram per Liter

Signature: \_\_\_\_\_

  
Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.



**Volatile Analysis Report for Non-potable Water**

**Client:** Lu Engineers

**Client Job Site:** Orch / Whitney

**Lab Project Number:** 11-2306

**Client Job Number:** 4215-01

**Lab Sample Number:** 7675

**Field Location:** WW-02

**Date Sampled:** 06/09/2011

**Field ID Number:** N/A

**Date Received:** 06/09/2011

**Sample Type:** Water

**Date Analyzed:** 06/15/2011

<b>Halocarbons</b>	<b>Results in ug / L</b>	<b>Halocarbons</b>	<b>Results in ug / L</b>
Bromodichloromethane	< 2.00	trans-1,2-Dichloroethene	< 2.00
Bromoform	< 5.00	1,2-Dichloropropane	< 2.00
Bromomethane	< 2.00	cis-1,3-Dichloropropene	< 2.00
Carbon Tetrachloride	< 2.00	trans-1,3-Dichloropropene	< 2.00
Chloroethane	< 2.00	Methylene chloride	< 5.00
2-Chloroethyl vinyl Ether	< 10.0	1,1,2,2-Tetrachloroethane	< 2.00
Chloroform	< 2.00	Tetrachloroethene	< 2.00
Chloromethane	< 2.00	1,1,1-Trichloroethane	< 2.00
Dibromochloromethane	< 2.00	1,1,2-Trichloroethane	< 2.00
1,1-Dichloroethane	< 2.00	Trichloroethene	< 2.00
1,2-Dichloroethane	< 2.00	Trichlorofluoromethane	< 2.00
1,1-Dichloroethene	< 2.00	Vinyl chloride	< 2.00

<b>Aromatics</b>	<b>Results in ug / L</b>	<b>Aromatics</b>	<b>Results in ug / L</b>
Benzene	< 0.700	1,4-Dichlorobenzene	< 2.00
Chlorobenzene	< 2.00	Ethylbenzene	< 2.00
1,2-Dichlorobenzene	< 2.00	Toluene	< 2.00
1,3-Dichlorobenzene	< 2.00		

ELAP Number 10958

Method: EPA 624 (601 / 602 List)

Data File: V85548.D

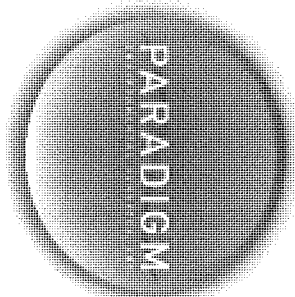
Comments: ug / L = microgram per Liter

Signature: \_\_\_\_\_

Bruce Hoogesteger, Technical Director

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# CHAIN OF CUSTODY



**PARADIGM**

REPORT TO:

INVOICE TO:

COMPANY: LU Engineers  
 ADDRESS: 175 S. 5th St - 217  
 CITY: Buffalo STATE: NY ZIP: 14203  
 PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_

COMPANY: Same  
 ADDRESS: \_\_\_\_\_  
 CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_  
 PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_

LAB PROJECT #:

CLIENT PROJECT #:

11-2306      4215-01

TURNAROUND TIME: (WORKING DAYS)

1    2    3    5    OTHER

PROJECT NAME/SITE NAME: Osh/Writing

ATTN: Greg Andrews  
 COMMENTS: \_\_\_\_\_

ATTN: \_\_\_\_\_

REQUESTED ANALYSIS

Quotation #

DATE	TIME	COMPOSITE	GARB	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAMINANTS	REMARKS	PARADIGM LAB SAMPLE NUMBER
6/9/11	13:00	X		WW-02	H-205	X Metals/Spect X EPA 601/602 X EPA 610 X PH	Metals: Cd, Cr, Cu, Pb, Ni, Ag, Zn, As, Sb, Se, Ti per JD 6/19. EPA 619	7675

\*\*LAB USE ONLY BELOW THIS LINE\*\*

Sample Condition: Per NELAC/E LAP 210/241/242/243/244

Receipt Parameter: \_\_\_\_\_ NELAC Compliance

Container Type:  Y    N

Preservation:  Y    N  
 Comments: 610 neg. for Cr, 601/602 Cr, neg

Holding Time:  Y    N  
 Comments: PH rec'd past HT

Temperature: 25°C    Y    N  
 Comments: pres. bag in field

Sampled By: [Signature]      Date/Time: 6/9/11 13:00

Relinquished By: [Signature]      Date/Time: 6/9/11 13:10

Received By: [Signature]      Date/Time: 6/9/11 13:10

Received @ Lab By: [Signature]      Date/Time: 6/9/11 13:50

Total Cost:

P.I.F.



## Analytical Report Cover Page

### **Lu Engineers**

For Lab Project # 11-2336

Issued June 17, 2011

This report contains a total of 6 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

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**"Z" = See case narrative.**

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**"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.**

**"B" = Method blank contained trace levels of analyte. Refer to included method blank report.**



**LAB REPORT FOR pH ANALYSIS IN WATERS**

Client: Lu Engineers

Lab Project No.: 11-2336

Client Job Site: Orch. / Whitney

Sample Type: Water

Method: SM19 4500HB / EPA 9040

Client Job No.: 4215-01

Date Sampled: 06/10/2011

Time Sampled: 10:30 AM

Date Received: 06/10/2011

Time Received: 2:15 PM

Date Analyzed: 06/10/2011


Time Analyzed: 3:00 PM

Location: Lab

Lab Sample No.	Field ID No.	Field Location	pH Results (S.U.)
7740	N/A	WW-03	11.74 @ 20.4 °C

ELAP ID No.:10958

Comments:

Approved By:   
Bruce Hoogesteger, Technical Director



**LAB REPORT FOR METALS ANALYSIS IN WATERS**

<b>Client:</b>	<b><u>Lu Engineers</u></b>	<b>Lab Project No.:</b>	11-2336
<b>Client Job Site:</b>	Orch./Whitney	<b>Lab Sample No.:</b>	7740
<b>Client Job No.:</b>	4215-01	<b>Sample Type:</b>	Water
<b>Field Location:</b>	WW-03	<b>Date Sampled:</b>	06/10/2011
<b>Field ID No.:</b>	N/A	<b>Date Received:</b>	06/10/2011

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Antimony	06/16/2011	EPA 200.7	< 0.060
Arsenic	06/16/2011	EPA 200.7	< 0.010
Cadmium	06/16/2011	EPA 200.7	< 0.005
Chromium	06/16/2011	EPA 200.7	0.759
Copper	06/16/2011	EPA 200.7	< 0.025
Lead	06/16/2011	EPA 200.7	< 0.010
Nickel	06/16/2011	EPA 200.7	< 0.040
Selenium	06/16/2011	EPA 200.7	< 0.010
Silver	06/16/2011	EPA 200.7	< 0.010
Thallium	06/16/2011	EPA 200.7	< 0.025
Zinc	06/16/2011	EPA 200.7	< 0.060

ELAP ID No.:10958

Comments: The laboratory control spike and spike duplicate was outside QC limits for Cd and Ni. The QCS was outside QC limits for Se.

Approved By:   
Bruce Hoogesteger, Technical Director

### Semi -Volatile Analysis Report for Non-potable Water

**Client:** Lu Engineers

**Client Job Site:** Orch. / Whitney

**Lab Project Number:** 11-2336

**Lab Sample Number:** 7740

**Client Job Number:** 4215-01

**Field Location:** WW-03

**Date Sampled:** 06/10/2011

**Field ID Number:** N/A

**Date Received:** 06/10/2011

**Sample Type:** Water

**Date Analyzed:** 06/14/2011

Base / Neutrals	Results in ug / L
Acenaphthene	< 10.0
Acenaphthylene	< 10.0
Anthracene	< 10.0
Benzo (a) anthracene	< 10.0
Benzo (a) pyrene	< 10.0
Benzo (b) fluoranthene	< 10.0
Benzo (g,h,i) perylene	< 10.0
Benzo (k) fluoranthene	< 10.0
Chrysene	< 10.0
Dibenz (a,h) anthracene	< 10.0
Fluoranthene	< 10.0
Fluorene	< 10.0
Indeno (1,2,3-cd) pyrene	< 10.0
Naphthalene	< 10.0
Phenanthrene	< 10.0
Pyrene	< 10.0


ELAP Number 10958

Analytical Method: EPA 625 (610 List)

Data File: S57192.D

Comments: ug / L = microgram per Liter

Signature: \_\_\_\_\_

  
 Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.





**Volatile Analysis Report for Non-potable Water**

**Client:** Lu Engineers

**Client Job Site:** Orch. / Whitney

**Lab Project Number:** 11-2336

**Lab Sample Number:** 7740

**Client Job Number:** 4215-01

**Field Location:** WW-03

**Date Sampled:** 06/10/2011

**Field ID Number:** N/A

**Date Received:** 06/10/2011

**Sample Type:** Water

**Date Analyzed:** 06/15/2011

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	< 2.00	trans-1,2-Dichloroethene	< 2.00
Bromoform	< 5.00	1,2-Dichloropropane	< 2.00
Bromomethane	< 2.00	cis-1,3-Dichloropropene	< 2.00
Carbon Tetrachloride	< 2.00	trans-1,3-Dichloropropene	< 2.00
Chloroethane	< 2.00	Methylene chloride	< 5.00
2-Chloroethyl vinyl Ether	< 10.0	1,1,2,2-Tetrachloroethane	< 2.00
Chloroform	< 2.00	Tetrachloroethene	< 2.00
Chloromethane	< 2.00	1,1,1-Trichloroethane	< 2.00
Dibromochloromethane	< 2.00	1,1,2-Trichloroethane	< 2.00
1,1-Dichloroethane	< 2.00	Trichloroethene	< 2.00
1,2-Dichloroethane	< 2.00	Trichlorofluoromethane	< 2.00
1,1-Dichloroethene	< 2.00	Vinyl chloride	< 2.00

Aromatics	Results in ug / L	Aromatics	Results in ug / L
Benzene	< 0.700	1,4-Dichlorobenzene	< 2.00
Chlorobenzene	< 2.00	Ethylbenzene	< 2.00
1,2-Dichlorobenzene	< 2.00	Toluene	< 2.00
1,3-Dichlorobenzene	< 2.00		

ELAP Number 10958

Method: EPA 624 (601 / 602 List)

Data File: V85586.D

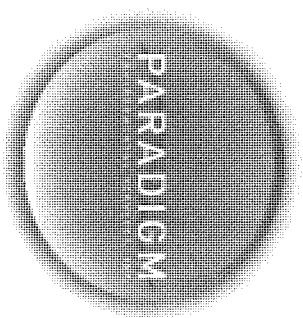
Comments: ug / L = microgram per Liter

Signature: \_\_\_\_\_



Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.



# CHAIN OF CUSTODY

REPORT TO:

INVOICE TO:

PROJECT NAME/SITE NAME:  
*Ordn. Activities*

COMPANY: *Lo Business*  
 ADDRESS: *175 S. 5011st St*  
 CITY: *Pittsford* STATE: *NY* ZIP: *14537*  
 PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_

COMPANY: *Same*  
 ADDRESS: \_\_\_\_\_  
 CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_  
 PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_

LAB PROJECT #: *11-2336* CLIENT PROJECT #: *4215-01*  
 TURNAROUND TIME: (WORKING DAYS)  
 1  2  3  5  OTHER  
 Quotation #

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GARB	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAMINANTS	TESTS	REMARKS	PARADIGM LAB SAMPLE NUMBER
<i>6/10/11</i>	<i>10:30</i>		<i>X</i>	<i>WW-03</i>	<i>H2O</i>	<i>5</i>	<i>X X X X</i>	<i>Metals (Spec) / EPA 601/602 / EPA 60 / PH</i>	<i>7740</i>

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC IELAP 210/241/242/243/244

Receipt Parameter: \_\_\_\_\_ NELAC Compliance

Container Type:  Y  N

Preservation:  Y  N  
 Comments: *610 neg for QR, 601/602, 61-10-11*

Holding Time:  Y  N

Comments: *PH rec'd past HT*

Temperature:  Y  N

Comments: *At a bre for pres. begun in ee EAH 610 field*

Sampled By: *[Signature]* Date/Time: *6/10/11 10:30*

Relinquished By: *[Signature]* Date/Time: *6/13/11 11:14*

Received By: *[Signature]* Date/Time: *6/10/11 11:15*

Received @ Lab By: *[Signature]* Date/Time: *6/10/11 1415*

Total Cost:

P.I.F.

# **TANK 6 VAULT FLOOR SAMPLE**



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

## Analytical Report Cover Page

### **Lu Engineers**

For Lab Project # 11-2032

Issued May 27, 2011

Re-Issued June 1, 2011

This report contains a total of 6 pages

***This project has been re-issued to correct the field location on the Metals report for sample 6876.***

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Each page of this document is part of a multipage report. This document may not be reproduced except in its entirety, without the prior consent of Paradigm Environmental Services, Inc.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

**"<" = analyzed for but not detected at or above the reporting limit.**

**"E" = Result has been estimated, calibration limit exceeded.**

**"Z" = See case narrative.**

**"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.**

**"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.**

**"B" = Method blank contained trace levels of analyte. Refer to included method blank report.**



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

**LAB REPORT FOR RCRA METALS ANALYSIS IN SOLIDS**

**Client:** Lu Engineers **Lab Project No.:** 11-2032  
**Client Job Site:** Orchard/Whitney UST **Lab Sample No.:** 6876  
**Client Job No.:** 4216-01 **Sample Type:** Soil  
**Field Location:** Tank 6 Vault - 9.5' **Date Sampled:** 05/20/2011  
**Field ID No.:** N/A **Date Received:** 05/23/2011  
**Date Reissued:** 05/31/2011

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Arsenic	05/25/2011	SW846 3050/6010	5.23
Barium	05/25/2011	SW846 3050/6010	48.4
Cadmium	05/25/2011	SW846 3050/6010	< 0.584
Chromium	05/25/2011	SW846 3050/6010	10.8
Lead	05/25/2011	SW846 3050/6010	22.1
Mercury	05/26/2011	SW846 7471	0.0096
Selenium	05/25/2011	SW846 3050/6010	< 1.17
Silver	05/25/2011	SW846 3050/6010	< 1.17

ELAP ID No.:10958

Comments:

Approved By:   
Bruce Hoogesteger, Technical Director



Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Lu Engineers

Client Job Site: Orchard/Whitney UST

Lab Project Number: 11-2032

Lab Sample Number: 6876

Client Job Number: 4216-01

Field Location: Tank 6 Vault-9.5'

Date Sampled: 05/20/2011

Field ID Number: N/A

Date Received: 05/23/2011

Sample Type: Soil

Date Analyzed: 05/27/2011

Table with 4 columns: Base / Neutrals, Results in ug / Kg, Base / Neutrals, Results in ug / Kg. Lists various chemical compounds and their concentrations.

Table with 4 columns: Acids, Results in ug / Kg, Acids, Results in ug / Kg. Lists various acid compounds and their concentrations.

ELAP Number 10958

Analytical Method: EPA 8270C

Data File: S56770.D

Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger, Technical Director



**Volatile Analysis Report for Soils/Solids/Sludges**

**Client:** Lu Engineers

**Client Job Site:** Orchard/Whitney UST

**Lab Project Number:** 11-2032

**Client Job Number:** 4216-01

**Lab Sample Number:** 6876

**Field Location:** Tank 6 Vault- 9.5'

**Date Sampled:** 05/20/2011

**Field ID Number:** N/A

**Date Received:** 05/23/2011

**Sample Type:** Soil

**Date Analyzed:** 05/27/2011

<b>Halocarbons</b>	<b>Results in ug / Kg</b>
Bromodichloromethane	< 2,270
Bromomethane	< 2,270
Bromoform	< 5,660
Carbon Tetrachloride	< 2,270
Chloroethane	< 2,270
Chloromethane	< 2,270
2-Chloroethyl vinyl Ether	< 11,300
Chloroform	< 2,270
Dibromochloromethane	< 2,270
1,1-Dichloroethane	< 2,270
1,2-Dichloroethane	< 2,270
1,1-Dichloroethene	< 2,270
cis-1,2-Dichloroethene	< 2,270
trans-1,2-Dichloroethene	< 2,270
1,2-Dichloropropane	< 2,270
cis-1,3-Dichloropropene	< 2,270
trans-1,3-Dichloropropene	< 2,270
Methylene chloride	< 5,660
1,1,2,2-Tetrachloroethane	< 2,270
Tetrachloroethene	< 2,270
1,1,1-Trichloroethane	< 2,270
1,1,2-Trichloroethane	< 2,270
Trichloroethene	< 2,270
Trichlorofluoromethane	< 2,270
Vinyl chloride	< 2,270

<b>Aromatics</b>	<b>Results in ug / Kg</b>
Benzene	< 2,270
Chlorobenzene	< 2,270
Ethylbenzene	5,010
Toluene	< 2,270
m,p-Xylene	72,200
o-Xylene	5,850
Styrene	< 5,660
1,2-Dichlorobenzene	< 2,270
1,3-Dichlorobenzene	< 2,270
1,4-Dichlorobenzene	< 2,270

<b>Ketones</b>	<b>Results in ug / Kg</b>
Acetone	< 11,300
2-Butanone	< 11,300
2-Hexanone	< 5,660
4-Methyl-2-pentanone	< 5,660

<b>Miscellaneous</b>	<b>Results in ug / Kg</b>
Carbon disulfide	< 2,270
Vinyl acetate	< 5,660

ELAP Number 10958

Method: EPA 8260B

Data File: V85060.D

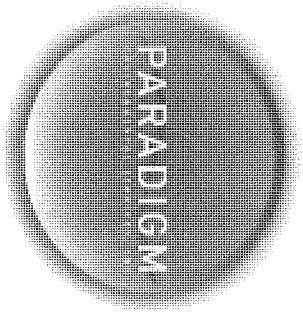
Comments: ug / Kg = microgram per Kilogram

Signature: \_\_\_\_\_

Bruce Hoogsteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

# CHAIN OF CUSTODY



PROJECT NAME/SITE NAME: Orchard/Wildfire  
UST

REPORT TO: Lu Engineers  
 ADDRESS: 175 Sullivan Trail  
 CITY: Pittsford STATE: NY ZIP: 14534  
 PHONE: 385-7417 FAX: \_\_\_\_\_  
 ATTN: Greg Andrews

INVOICE TO: Same  
 ADDRESS: \_\_\_\_\_  
 CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_  
 PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_  
 ATTN: \_\_\_\_\_

REQUESTED ANALYSIS: PO# 149887  
TCL VOCs  
TCL SVOCs  
PCRA Metals

LAB PROJECT #: 11-2032 CLIENT PROJECT #: 4216-01  
 TURNAROUND TIME (WORKING DAYS): \_\_\_\_\_  
 1  2  3  5  OTHER  
 Quotation # MS021111A

DATE	TIME	COMPOSITE	G R A B	SAMPLE LOCATION/FIELD ID	M A T R I X	C O N T A M I N E N T S	REQUESTED ANALYSIS	REMARKS	PARADIGM LAB SAMPLE NUMBER
5/20/11	11:40	X		Tank 6 Vault - 9.5'	Soil	3	X X X	*Standard TAT petrol	6876
5/20/11	3:20	X		Tank 6 Vault - sand	Soil	1	X	*3 day TAT, petrol contamination	6877

\*\*LAB USE ONLY BELOW THIS LINE\*\*

Sample Condition: Per NELAC/EIAP 210/241/242/243/244

Receipt Parameter: \_\_\_\_\_ NELAC Compliance

Container Type:  Y  N

Preservation: N/A  Y  N

Holding Time:  Y  N

Temperature: 15 read  Y  N

Comments: @1730-pres. begun in field

Sampled By: Eric DeWetter Date/Time: 5/20/11

Relinquished By: Tim DeWetter Date/Time: 5/20/11 5:04

Received By: Gene Palumbo Date/Time: 5/20/11 17:04

Received @ Lab By: Elisabeth A Yonck Date/Time: 5/23/11 10:10

Total Cost: \_\_\_\_\_

P.I.F. \_\_\_\_\_



**AOC-2**

**PLATING AREA – CONFIRMATORY SOIL  
SAMPLES**



**LAB REPORT FOR RCRA METALS ANALYSIS IN SOLIDS**

**Client:** Lu Engineers, Inc.

**Lab Project No.:** 12:1299

**Client Job Site:** Orchard/Whitney Plating  
Area IRM-Soil Removal

**Sample Type:** Solid/Soil  
**Method:** SW 846: 3050/6010,7471

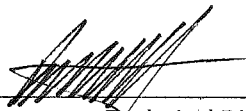
**Client Job No.:** 4216-03

**Date(s) Sampled:** 03/28/2012  
**Date Received:** 03/28/2012  
**Date Analyzed:** 03/29-04/02/2012

Lab Sample No.	Field ID No.	Field Location	Ag Results (mg/kg)	As Results (mg/kg)	Ba Results (mg/kg)	Cd Results (mg/kg)	Cr Results (mg/kg)	Pb Results (mg/kg)	Se Results (mg/kg)	Hg Result (mg/kg)
12:1299-01	N/A	OW-PA-Concrete 1	< 0.928	3.66	131	0.409 J	15.9	10.3	< 0.928	0.0401
12:1299-02	N/A	OW-PA-SWC-1	< 1.09	14.0	199	3.12	23.9	114	< 1.09	0.141
12:1299-03	N/A	OW-PA-FC-2	< 0.998	41.5	48.2	25.4	37.1	58.7	< 0.998	0.0685
12:1299-04	N/A	OW-PA-FC-3	< 0.938	2.25	22.1	1.68	6.38	2.78	< 0.938	0.0070 J
12:1299-05	N/A	OW-PA-SWC-4	< 1.06	17.4	37.9	22.5	8.43	20.5	1.09	0.267
12:1299-06	N/A	OW-PA-Soil Pile -1A	< 0.990	7.51	45.4	28.0	17.8	14.6	< 0.990	0.0846
12:1299-07	N/A	OW-PA-Soil Pile -1B	< 1.18 M	8.83 M	58.7 M	3.63 DM	28.1 DM	12.2 DM	0.749 JM	0.0374

ELAP ID No.: 10958

Comments:

Approved By:   
Bruce Hoogesteger, Technical Director



# CHAIN OF CUSTODY

**REPORT TO:**

**INVOICE TO:**

<b>COMPANY:</b> Lu Eng.	<b>COMPANY:</b> Same	<b>LAB PROJECT #:</b> 121299	<b>CLIENT PROJECT #:</b> 4216-03
<b>ADDRESS:</b> 175 Sullivan's Trail Suite 202	<b>ADDRESS:</b>	<b>TURNAROUND TIME: (WORKING DAYS)</b>	
<b>CITY:</b> Pittsford	<b>STATE:</b> NY	<b>ZIP:</b> 14534	
<b>PHONE:</b> 385-7417	<b>FAX:</b>	<b>PHONE:</b>	<b>FAX:</b>
<b>ATTN:</b> Greg Andrews/Enz Detweiler	<b>ATTN:</b>	<b>OTHER:</b>	
<b>COMMENTS:</b> email to Greg/Enz		<b>REQUESTED ANALYSIS:</b> P.O. 149387 (same)	
		<b>Quotation #</b> MS021111A	

DATE	TIME	COMPOSITE	GRADES	SAMPLE LOCATION/FIELD ID	MATERIALS	CONTAMINANTS	REMARKS	PARADIGM LAB SAMPLE NUMBER
3/28/12	11:40	X		OW-PA-Concrete 1	conc	X	ASPCat B w/	01
	11:00	X		OW-PA-SUC-1	sc1	X	Regis EDD	02
	11:25	X		OW-PA-FC-2		X	forward	03
	3:00	X		OW-PA-F2-3		X	24 hr TAT	04
	3:20	X		OW-PA-SUC-4		X		05
	2:45	X		OW-PA-SOL.Pile-1A		X		06
	3:10	X		OW-PA-SOL.Pile-1B		X		07

**\*\*LAB USE ONLY BELOW THIS LINE\*\***

Sample Condition: Per NELAC/EI/LAP 2101241/242/243/244

Receipt Parameter: NELAC Compliance

Container Type:  Y  N

Preservation:  Y  N

Holding Time:  Y  N

Temperature:  Y  N

Comments: 160C - VIA b/c metals only

Comments: 1645 3128 mp 3/28

Sampled By: [Signature]

Relinquished By: [Signature]

Received By: [Signature]

Received @ Lab By: [Signature]

Date/Time: 3/28/12 15:55

Date/Time: 3/28/12 15:55

Date/Time: 3/28/12 15:55

Date/Time: 3/28/12 1645

Total Cost: [ ]

COOLER transported by Lu Eng employees 3/28/12

P.I.F. [ ]



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

## Analytical Report Cover Page

### **Lu Engineers, Inc.**

For Lab Project # 12:1349

Issued April 2, 2012

This report contains a total of 3 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

**"<" = analyzed for but not detected at or above the reporting limit.**

**"E" = Result has been estimated, calibration limit exceeded.**

**"Z" = See case narrative.**

**"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.**

**"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.**

**"B" = Method blank contained trace levels of analyte. Refer to included method blank report.**



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

**LAB REPORT FOR TCLP CADMIUM ANALYSIS**

**Client:** Lu Engineers, Inc. **Lab Project No.:** 12:1349

**Client Job Site:** Orchard/Whitney Plating Area **Sample Type:** TCLP Extract  
IRM Soil Removal

**Client Job No.:** 4216-03 **Method:** SW846 1311/3005/6010

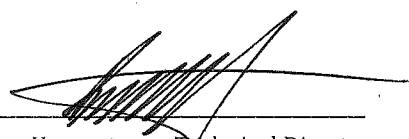
**Date Sampled:** 03/28/2012  
**Date Received:** 03/30/2012  
**Date Analyzed:** 04/02/2012

Lab Sample No.	Field ID No.	Field Location	Result (mg/L)	Regulatory Limit (mg/L)
12:1349-01	N/A	OW-PA-FC-2	0.918	1.0
12:1349-02	N/A	OW-PA-FC-3	0.055	1.0
12:1349-03	N/A	OW-PA-SWC-4	0.336	1.0

ELAP ID No.:10958

Comments:

Approved By: \_\_\_\_\_



Bruce Hoogesteger, Technical Director

# CHAIN OF CUSTODY

12/13/99 for Relog



PARADIGM

REPORT TO:

INVOICE TO:

COMPANY: Lu Eng.  
 ADDRESS: 175 Sullivan's Trail Suite 202  
 CITY: Wattsford STATE: NY ZIP: 14534  
 PHONE: 385-2417 FAX:

COMPANY: Same  
 ADDRESS:  
 CITY: STATE: ZIP:  
 PHONE: FAX:

LAB PROJECT #: 12/13/99 CLIENT PROJECT #: 426-03  
 TURNAROUND TIME: (WORKING DAYS)  
 1  2  3  5  
 OTHER

PROJECT NAME/SITE NAME:  
Ground/Waterway Plotting Area, IDW-Soil Remedial

ATTN: Greg Andrews/Envz Detweiler  
 COMMENTS: consult to Greg/Envz

ATTN:  
 COMMENTS:  
P.O. 149287 (same)

REQUESTED ANALYSIS  
 Quotation # MS021111A

DATE	TIME	COMPOSITE	GRA B	SAMPLE LOCATION/FIELD ID	MATERIALS	CONTAMINANTS	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	3/28/12	X		OW-PA-Concrete 1	concrete	RCRA Metals	ASP Cat B w/	01
2	1:00	X		OW-PA-SWC-1	soil		Kranis EDD	02
3	11:25	X		OW-PA-FC-2			forward	03
4	3:00	X		OW-PA-FC-3				04
5	3:20	X		OW-PA-SWC-4			24 hr TMT	05
6	2:45	X		OW-PA-Soil Pile-1A			CPC GA 3-30-12	06
7	3:10	X		OW-PA-Soil Pile-1B			relog, FC-2	07
8							SWC-4, Soilpile 1A	
9							for TCEP cd. 1 Day Test	
10							Soilpile 1B	

\*\*LAB USE ONLY BELOW THIS LINE\*\*

Sample Condition: Per NELAC/EIAP 210/241/242/243/244

Receipt Parameter  
 Container Type:  Y  N  
 Preservation:  Y  N  
 Holding Time:  Y  N

Comments:  
 Temperature: 110°C - VIA b/c metals  
1645 3/28  
only

Comments:  
1645 3/28  
only

Sampled By: [Signature] Date/Time: 3/28/12 15:55  
 Relinquished By: [Signature] Date/Time: 3/28/12 15:55  
 Received By: [Signature] Date/Time: 3/28/12 15:55  
 Received @ Lab By: [Signature] Date/Time: 3/28/12 15:55

Relog: Relogged a Homack 3/30/12 1600 @ 5°C

NOV ASP cooler transported per GA/SD by Lu Employee steel 3/30 EAH3/13 Total Cost: 3



**LAB REPORT FOR RCRA METALS ANALYSIS IN SOLIDS**

**Client:** Lu Engineers, Inc.

**Lab Project No.:** 12:1344

**Client Job Site:** Orchard/Whitney Plating Area  
IRM Soil Removal

**Sample Type:** Soil  
**Method:** SW 846: 3050/6010,7471

**Client Job No.:** 4216-03

**Date(s) Sampled:** 03/30/2012  
**Date Received:** 03/30/2012  
**Date Analyzed:** 04/02-03/2012

Lab Sample No.	Field ID No.	Field Location	Ag Results (mg/kg)	As Results (mg/kg)	Ba Results (mg/kg)	Cd Results (mg/kg)	Cr Results (mg/kg)	Pb Results (mg/kg)	Se Results (mg/kg)	Hg Result (mg/kg)
12:1344-01	N/A	OW-PA-FC-2B	< 1.18	9.14	61.7	11.9	23.8	71.1	< 1.18	0.0347
12:1344-02	N/A	OW-PA-SWC-4B	< 1.16	5.48	51.0	3.68	10.6	3.74	< 1.16	0.0222
12:1344-03	N/A	OW-PA-SWC-4B Dup	< 1.11	6.18	38.9	3.00	10.4	4.27	< 1.11	0.0194 D

ELAP ID No.: 10958

Comments:

Approved By:   
Bruce Hoogesteger, Technical Director



# PARADIGM ENVIRONMENTAL SERVICES, INC.

## CHAIN OF CUSTODY

179 Lake Avenue  
Rochester, NY 14608  
(585) 647-2530 • (800) 724-1997  
FAX: (585) 647-3311

PROJECT NAME/SITE NAME:  
**Orchard/Winterway IRM  
Picking Area, I-190  
Soil Removal**

COMPANY: **Lu Engineers**  
ADDRESS: **175 Sullivan Trail, Suite 202**  
CITY: **Pittsford** STATE: **NY** ZIP: **14534**  
PHONE: **585-7417** FAX: **14534**

REPORT TO: **Lu Engineers**  
INVOICE TO: **Lu Engineers**  
ADDRESS: **175 Sullivan Trail, Suite 202**  
CITY: **Pittsford** STATE: **NY** ZIP: **14534**  
PHONE: **585-7417** FAX: **14534**

COMPANY: **Lu Engineers**  
ADDRESS: **175 Sullivan Trail, Suite 202**  
CITY: **Pittsford** STATE: **NY** ZIP: **14534**  
PHONE: **585-7417** FAX: **14534**

LAB PROJECT #: **121344** CLIENT PROJECT #: **4216-03**  
TURNAROUND TIME: (WORKING DAYS) **SEE REMARKS**  
QUOTE #: **MS021111 A**  
STD  1  2  3  5 OTHER

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	G R A B	SAMPLE LOCATION/FIELD ID	M A T R I X	C O N T A M I N E N T S	REMARKS	PARADIGM LAB SAMPLE NUMBER
1/3/30/12	10:00	X		OW-PA-FG-2B	Soil	RCCA Metals	5 day TAT ASP Cont'd	01
2	10:10	X		OW-PA-SWC-4B			5 day TAT W/Equity	02
3	10:12	X		OW-PA-SWC-4B Dup.			5 day TAT / EDD	03
4	11:10	X		OW-PA-Soil Pile 2			24 hr TAT Non-ASP	
5	11:20	X		OW-PA-Soil Pile 3A			24 hr TAT ASP	
6	11:25	X		OW-PA-Soil Pile 3B			24 hr TAT ASP	
7								
8							Non-ASP samples logged in as another	
9								
10							500. NR 3/30	

\*\* LAB USE ONLY BELOW THIS LINE \*\*

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter: **NELAC Compliance**

Container Type:  Y  N

Preservation: **NA**  Y  N

Holding Time:  Y  N

Temperature: **15°C Xce EAH 3/30**  Y  N

Comments: **@ 1430 3/30 from samples. Available for metals only.**

Received By: **Eric Detweiler** Date/Time: **3/30/12**

Relinquished By: **[Signature]** Date/Time: **3/30/12 1:56**

Received @ Lab By: **[Signature]** Date/Time: **3/30/12 1458**

Total Cost: **EAH 3/30**

Remarks: **Cooler delivered by Lu so custody seals v/a.**



**LAB REPORT FOR RCRA METALS ANALYSIS IN SOLIDS**

**Client:** Lu Engineers, Inc.

**Lab Project No.:** 12:1324

**Client Job Site:** Orchard/Whitney  
 Plating Area IRM Soil Removal

**Sample Type:** Soil  
**Method:** SW 846: 3050/6010,7471

**Client Job No.:** 4216-03

**Date(s) Sampled:** 03/29/2012  
**Date Received:** 03/29/2012  
**Date Analyzed:** 03/30-04/02/2012

Lab Sample No.	Field ID No.	Field Location	Ag Results (mg/kg)	As Results (mg/kg)	Ba Results (mg/kg)	Cd Results (mg/kg)	Cr Results (mg/kg)	Pb Results (mg/kg)	Se Results (mg/kg)	Hg Result (mg/kg)
12:1324-01	N/A	OW-PA-SWC-5	< 1.29	7.74	154	90.3	39.3	10.0	0.843 J	0.0217
12:1324-02	N/A	OW-PA-SWC-6	< 1.01	9.52	68.7	12.4	67.7	132	< 1.01	0.220 D

ELAP ID No.: 10958

Comments:

Approved By:   
 Bruce Hoogesteger, Technical Director

# CHAIN OF CUSTODY

# PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue  
Rochester, NY 14608  
(585) 647-2530 • (800) 724-1997  
FAX: (585) 647-3311

REPORT TO:

INVOICE TO:

PROJECT NAME/SITE NAME:  
*Orchard / Whitney  
Picking Area EPM  
Soil Removal*

COMPANY: <i>Lu Eng</i>	ADDRESS: <i>175 Sully's Trail Suite 202</i>	CITY: <i>Pittsford</i>	STATE: <i>NY</i>	ZIP: <i>14534</i>	PHONE: <i>385-7417</i>	FAX:
COMPANY: <i>SKWBE</i>	ADDRESS:	CITY:	STATE:	ZIP:	PHONE:	FAX:
ATTN: <i>Greg Andrews/Enz Detweiler</i>	ATTN:	COMMENTS: <i>See email results to Greg A./Enz D. Jane Forbes P6149637</i>				
REQUESTED ANALYSIS	LAB PROJECT #: <i>12:1324</i> CLIENT PROJECT #: <i>4216-03</i>					
TURNAROUND TIME: (WORKING DAYS) <i>1 day TAT 1 metals, 2 day TAT Hg. STD EAH OTHER</i>	QUOTE #: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5 <input type="checkbox"/> 3129					
REMARKS: <i>MS021111A</i>						PARADIGM LAB SAMPLE NUMBER

DATE	TIME	C O M P O S I T E	G R A B	SAMPLE LOCATION/FIELD ID	M A T T R I X	C O N T A I N E R S	REMARKS	PARADIGM LAB SAMPLE NUMBER
1 3/29/12	2:00	X		OW-PA-SWC-5	Soil	1	X	KASP Cat B w/Equip 01
2 3/29/12	3:10	X		OW-PA-SWC-6	Soil	1	X	EDD data 02
3								
4								
5								
6								
7								
8								
9								
10								

\*\*LAB USE ONLY BELOW THIS LINE\*\*

Sample Condition: Per NELAC/EIAP 210/241/242/243/244

Receipt Parameter NELAC Compliance

Container Type:  Y  N

Preservation: *N/A*  Y  N

Holding Time:  Y  N

Temperature: *9°C - from samples*  Y  N

Comments: *@1550 - N/A for metals only. Assorted within 6 hrs of sampling.*

Boiler delivered by Lu so  
Custody seals N/A.  
EAH 3/29

Enz Detweiler

Sampled By: *Enz Detweiler* Date/Time: *3/29/12 3:30*

Relinquished By: *Jane Forbes* Date/Time: *3/29/12 15:30*

Received By: *Elizabeth A Horna* Date/Time: *3/29/12 16:00*

Received @ Lab By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Total Cost: \_\_\_\_\_ P.I.F. \_\_\_\_\_



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

## Analytical Report Cover Page

### **Lu Engineers, Inc.**

For Lab Project # 12:1352

Issued April 2, 2012

This report contains a total of 3 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Each page of this document is part of a multipage report. This document may not be reproduced except in its entirety, without the prior consent of Paradigm Environmental Services, Inc.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

**"<" = analyzed for but not detected at or above the reporting limit.**

**"E" = Result has been estimated, calibration limit exceeded.**

**"Z" = See case narrative.**

**"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.**

**"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.**

**"B" = Method blank contained trace levels of analyte. Refer to included method blank report.**



**LABORATORY REPORT FOR TCLP METALS ANALYSIS**

Client: **Lu Engineers, Inc.**

Lab Project No.: 12:1352

Client Job Site: Orchard/Whitney Plating Area  
IRM Soil Removal

Sample Type: TCLP Extract  
Method: SW846 1311/3005/6010

Client Job No.: 4216-03

Date Sampled: 03/29/2012

Date Received: 03/30/2012

Date Analyzed: 04/02/2012

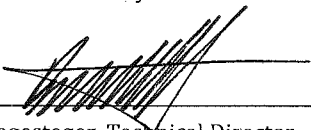
Lab Sample ID	Field ID	Field Location	Cd (mg/L)	Pb (mg/L)						
12:1352-01	N/A	OW-PA-SWC-5	1.21	NR						
12:1352-02	N/A	OW-PA-SWC-6	0.331 M	<0.100						

ELAP ID No.: 10958

Regulatory Limit (mg/L):

Cd (mg/L)	Pb (mg/L)						
1.0	5.0						

Comments: NR- Not requested for analysis.

Approved By:   
Bruce Hoogesteger, Technical Director

# PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue  
Rochester, NY 14608  
(585) 647-2530 • (800) 724-1997  
FAX: (585) 647-3311

## CHAIN OF CUSTODY

12/13/52

REPORT TO:

INVOICE TO:

PROJECT NAME/SITE NAME:  
*Orchard / Wm. T. H. Picking Area EPM Soil Removal*

COMPANY: *Lu Eng.* ADDRESS: *175 Sullivan Trail Suite 202* CITY: *Pittsford* STATE: *NY* ZIP: *14534*

COMPANY: *SKANS* ADDRESS: CITY: STATE: ZIP:

PHONE: *385-7417* FAX: PHONE: FAX:

ATTN: *Greg Andrus/Enz Detweiler* ATTN:

COMMENTS: *Please email results to Greg A./Enz D. Jane Forbes P0149839*

REQUESTED ANALYSIS

LAB PROJECT #: *12-1324* CLIENT PROJECT #: *4216-03*

TURNAROUND TIME (WORKING DAYS)  
*1 day TAT 7 metals, 2 day TAT Hg, STD EAH OTHER*

QUOTE #: *M5021111A*

1  2  3  5  3129

DATE	TIME	COMPOSITE	GRA B	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAMINANTS	REMARKS	PARADIGM LAB SAMPLE NUMBER
1 3/29/12	2:00	X		OW-PA-SWC-5	Soil	X	KASP Cat B Equils	01
2 3/29/12	3:10	X		OW-PA-SWC-6	Soil	1	EDD 4hr	02
3								
4								
5								
6								
7								
8								
9								
10								

\*\*LAB USE ONLY BELOW THIS LINE\*\*

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Order delivered by Lu So custody seals N/A. EAH 3/29

Receipt Parameter: NELAC Compliance

Container Type: Y  N

Preservation: N/A Y  N

Holding Time: Y  N

Temperature: Y  N

Comments: *90C - from samples @ 1550. Attach for metals only. Attached with us to hrs of sampling.*

Enz Detweiler 3/29/12

Sampled By: *[Signature]* Date/Time: 3/29/12 3:30

Relinquished By: *[Signature]* Date/Time: 3/29/12 15:30

Received By: *Elizabeth A Honck* Date/Time: 3/29/12 16:00

Received @ Lab By: *[Signature]* Date/Time: 3/30/12 17:05 @ 6°C

Total Cost: P.L.F.



**LAB REPORT FOR RCRA METALS ANALYSIS IN SOLIDS**

**Client:** Lu Engineers, Inc.

**Lab Project No.:** 12:1370

**Client Job Site:** Orchard/Whitney Plating Area  
IRM Soil Removal

**Sample Type:** Soil  
**Method:** SW 846: 3050/6010,7471

**Client Job No.:** 4216-03

**Date(s) Sampled:** 04/02/2012  
**Date Received:** 04/02/2012  
**Date Analyzed:** 04/03-04/2012

Lab Sample No.	Field ID No.	Field Location	Ag Results (mg/kg)	As Results (mg/kg)	Ba Results (mg/kg)	Cd Results (mg/kg)	Cr Results (mg/kg)	Pb Results (mg/kg)	Se Results (mg/kg)	Hg Result (mg/kg)
12:1370-01	N/A	OW-PA-SWC-7	< 1.15	3.01	29.7	1.78	1120	13.0	1.20	0.0047 J
12:1370-02	N/A	OW-PA-FC-8	< 1.15	3.83	30.0	1.48	128	7.71	< 1.15	0.0063 J

ELAP ID No.: 10958

Comments:

Approved By:   
Bruce Hoogesteger, Technical Director

# PARADIGM ENVIRONMENTAL SERVICES, INC.

## CHAIN OF CUSTODY

179 Lake Avenue  
Rochester, NY 14608  
(585) 647-2530 • (800) 724-1997  
FAX: (585) 647-3311

PROJECT NAME/SITE NAME:  
179 Lake Avenue  
Comments: *Overhead Leaking Puddle Area  
IEM - Soil Removal*

COMPANY: *Lu Eng*  
ADDRESS: *175 Sully's Trail Suite 202*  
CITY: *Pittsford* STATE: *NY* ZIP: *14534*  
PHONE: *385-7417* FAX:  
ATTN: *Greg Andrews/Envz Detailer/Steve Forbes*  
Comments: *email results to Greg/Envz/Steve F.*

REPORT TO:  
INVOICE TO:  
COMPANY: *Lu Eng*  
ADDRESS: *175 Sully's Trail Suite 202*  
CITY: *Pittsford* STATE: *NY* ZIP: *14534*  
PHONE: *385-7417* FAX:  
ATTN: *Greg Andrews/Envz Detailer/Steve Forbes*  
Comments: *email results to Greg/Envz/Steve F.*

COMPANY: *Sam E*  
ADDRESS: *Sam E*  
CITY: STATE: ZIP:  
PHONE: FAX:  
ATTN:  
REQUESTED ANALYSIS: *P.O. 149387*

LAB PROJECT #: *13:1370* CLIENT PROJECT #: *4216-03*  
TURNAROUND TIME: (WORKING DAYS)  
QUOTE #:  1  2  3  5  
STD OTHER

DATE	TIME	COMPOSITE	GAB	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAMINANTS	REMARKS	PARADIGM LAB SAMPLE NUMBER
4/2/12	11:40	X		OW-PA-SWC-7	Soil	X	ASP Cut B w/ Equis	01
4/2/12	11:50	X		OW-PA-FC-8	Soil	X	EOD for both samples	02

\*\* LAB USE ONLY BELOW THIS LINE \*\*

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter:  NELAC Compliance

Container Type:  Y  N

Preservation: *N/A*  Y  N

Holding Time:  Y  N

Temperature: *20°C - from samples*  Y  N

Comments: *@ 1630 & 4/2/12, N/A for Met only. ee EAH 412*

Sampled By: *Envz Decker* Date/Time: *4/2/12*

Relinquished By: *[Signature]* Date/Time: *4/2/12 3:42*

Received By: *[Signature]* Date/Time: *4/2/12 1542*

Received @ Lab By: *Elizabeth A Horack* Date/Time: *4/2/12 1645*

Total Cost:

PI.F:

COOLER DELIVERED BY LU SO CUSTODY SEALS N/A. EAH 412





**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

## Analytical Report Cover Page

### **Lu Engineers, Inc.**

For Lab Project # 12:1429

Issued April 5, 2012

This report contains a total of 3 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

**"<" = analyzed for but not detected at or above the reporting limit.**

**"E" = Result has been estimated, calibration limit exceeded.**

**"Z" = See case narrative.**

**"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.**

**"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.**

**"B" = Method blank contained trace levels of analyte. Refer to included method blank report.**



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

**LAB REPORT FOR TCLP CHROMIUM ANALYSIS**

**Client:** Lu Engineers, Inc.

**Lab Project No.:** 12:1429

**Client Job Site:** Orchard/Whitney Plating Area  
IRM Soil Removal

**Sample Type:** TCLP Extract

**Client Job No.:** 4216-03

**Method:** SW846 1311/3005/6010

**Date Sampled:** 04/02/2012

**Date Received:** 04/04/2012


**Date Analyzed:** 04/05/2012

Lab Sample No.	Field ID No.	Field Location	Result (mg/L)	Regulatory Limit (mg/L)
12:1429-01	N/A	OW-PA-SWC-7	0.374	5.0
12:1429-02	N/A	OW-PA-FC-8	0.364	5.0

ELAP ID No.: 10958

Comments:

Approved By: \_\_\_\_\_

  
Bruce Hoogesteger, Technical Director

# PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue  
Rochester, NY 14608  
(585) 647-2330 • (800) 724-1997  
FAX: (585) 647-3311

REPORT TO:

INVOICE TO:

## CHAIN OF CUSTODY

12.1429 for Relog

COMPANY: <b>Lu Eng.</b>	COMPANY:	LAB PROJECT #: <b>12.1370</b>	CLIENT PROJECT #: <b>4216-03</b>
ADDRESS: <b>175 Sully's Trail Suite 202</b>	ADDRESS:	TURNAROUND TIME: (WORKING DAYS)	
CITY: <b>Pittsford</b>	CITY: <b>SAWF</b>		
STATE: <b>NY</b>	STATE: <b>NY</b>		
ZIP: <b>14534</b>	ZIP:		
PHONE: <b>385-7417</b>	PHONE:	QUOTE #: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5	STD <input type="checkbox"/> OTHER <input type="checkbox"/>
FAX:	FAX:	<b>P.D. 149387</b>	<b>MS 021111A</b>
PROJECT NAME/SITE NAME: <b>Overland/Kidney Plating Area</b>	ATTN: <b>Genz</b>	REQUESTED ANALYSIS	
Comments: <b>Iron - Soil Removal</b>	Comments: <b>Genz Analysis / Genz Detailed/Time Forbs</b>	Genz Results to Genz/Genz/June F.	

DATE	TIME	COMPOSITE	G R A B	SAMPLE LOCATION/FIELD ID	M A T T R I X	C O N T A M I N E N T S	REMARKS	PARADIGM LAB SAMPLE NUMBER
4/2/12	11:40	X		OW-PA-SWC-7	Soil	X	ASP Cat B w/ Equis	011
4/2/12	11:50	X		OW-PA-FC-8	Soil	X	END for both samples	021

\*\*LAB USE ONLY BELOW THIS LINE\*\*

Sample Condition: Per NELAC/E LAP 210/241242/243/244

Receipt Parameter	NELAC Compliance
Container Type:	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Preservation: <b>N/A</b>	Y <input type="checkbox"/> N <input type="checkbox"/>
Holding Time:	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Temperature:	Y <input type="checkbox"/> N <input type="checkbox"/>
Comments: <b>200C - from Samples @ 1630 &amp; 4/2/12 - N/A for Met entry.</b>	

Received By: **Genz Decker** Date/Time: **4/2/12**

Relinquished By: **[Signature]** Date/Time: **4/2/12 3:42**

Received By: **[Signature]** Date/Time: **4/2/12 1542**

Received @ Lab By: **Elizabeth A Honck** Date/Time: **4/2/12 1645**

PIF:

Relogged: **muckspan 4/11/12 1430 @ 6°C**

Cooler delivered by Lu  
So custody seals N/A.  
EAM 412



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

**LAB REPORT FOR RCRA METALS ANALYSIS IN SOLIDS**

**Client:** Lu Engineers, Inc.

**Lab Project No.:** 12:1377

**Client Job Site:** Orchard/Whitney Plating Area  
IRM - Soil Removal

**Sample Type:** Soil  
**Method:** SW 846: 3050/6010,7471


**Client Job No.:** 4216-03

**Date(s) Sampled:** 04/03/2012  
**Date Received:** 04/03/2012  
**Date Analyzed:** 04/04/2012

Lab Sample No.	Field ID No.	Field Location	Ag Results (mg/kg)	As Results (mg/kg)	Ba Results (mg/kg)	Cd Results (mg/kg)	Cr Results (mg/kg)	Pb Results (mg/kg)	Se Results (mg/kg)	Hg Result (mg/kg)
12:1377-01	N/A	OW-PA-SWC-9	< 1.09	5.94	36.0	3.11	52.5	4.94	< 1.09	0.0150

ELAP ID No.: 10958

Comments:

Approved By:   
Bruce Hoogesteger, Technical Director

# PARADIGM

## CHAIN OF CUSTODY

### ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue  
Rochester, NY 14608  
(585) 647-2530 • (800) 724-1997  
FAX: (585) 647-3311

REPORT TO:

INVOICE TO:

COMPANY: Lu Gang  
ADDRESS: 175 Sully's Trail, Suite 202  
CITY: Pittsford STATE: NY ZIP: 14534  
PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_

COMPANY: SAWEE  
ADDRESS: \_\_\_\_\_  
CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_  
PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_

LAB PROJECT #: 12:1377 CLIENT PROJECT #: 4216-03

TURNAROUND TIME: (WORKING DAYS)  
1 day Metals, 2 day Hg per 4/3/12

PROJECT NAME/SITE NAME: One Ward / Winfrey Highway Area  
TRM - Soil Removal

ATTN: Greg / Eric D.  
COMMENTS: email results to Eric D. / Greg A. / Jane Forbes

REQUESTED ANALYSIS: P.O. 149387

QUOTE #:  1  2  3  5  
MS0211114

DATE	TIME	COMMENTS	GRADES	SAMPLE LOCATION/FIELD ID	MATERIALS	CONTAMINANTS	REQUESTED ANALYSIS	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	4/3/12	9:30	X	DW-PA-SWC-9	Soil	X	RCRA Metals	ASP Cat B w/ Grav's EOD	01
2									
3									
4									
5									
6									
7									
8									
9									
10									

\*\*LAB USE ONLY BELOW THIS LINE\*\*

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter: NELAC Compliance

Container Type: Y  N

Preservation: N/A Y  N

Holding Time: Y  N

Temperature: 18°C @ 1030 Y  N

Comments: 4/3 - tank sample N/A b/c for metals only.

Received By: Eric DeWeller Date/Time: 4/3/12

Relinquished By: Eric DeWeller Date/Time: 4/3/12 9:53

Received By: Charlotte A Hornck Date/Time: 4/3/12 9:53 AM

Received @ Lab By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Total Cost: \_\_\_\_\_ P.I.F. \_\_\_\_\_



**LAB REPORT FOR RCRA METALS ANALYSIS IN SOLIDS**

**Client:** Lu Engineers, Inc.

**Lab Project No.:** 12:1410

**Client Job Site:** Orchard/Whitney Plating Area  
IRM - Soil Removal

**Sample Type:** Soil  
**Method:** SW 846: 3050/6010,7471

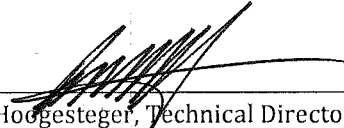
**Client Job No.:** 4216-03

**Date(s) Sampled:** 04/03/2012  
**Date Received:** 04/03/2012  
**Date Analyzed:** 04/04-05/2012

Lab Sample No.	Field ID No.	Field Location	Ag Results (mg/kg)	As Results (mg/kg)	Ba Results (mg/kg)	Cd Results (mg/kg)	Cr Results (mg/kg)	Pb Results (mg/kg)	Se Results (mg/kg)	Hg Result (mg/kg)
12:1410-01	N/A	OW-PA-SWC-10	< 1.07	2.90	41.4	< 0.533	15.2	2.48	< 1.07	< 0.0086
12:1410-02	N/A	OW-PA-FC-11	< 0.996 M	3.51 M	42.5 M	< 0.498 M	9.73 M	3.18 M	< 0.996 M	0.0047 J

ELAP ID No.: 10958

Comments:

Approved By:   
 Bruce Hoogesteger, Technical Director



**Volatile Analysis Report for Soils/Solids/Sludges**

**Client:** Lu Engineers, Inc.

**Client Job Site:** Orchard/Whitney Plating Area  
IRM - Soil Removal  
**Client Job Number:** 4216-03  
**Field Location:** OW-PA-SWC-10  
**Field ID Number:** N/A  
**Sample Type:** Soil

**Lab Project Number:** 12:1410  
**Lab Sample Number:** 12:1410-01  
**Date Sampled:** 04/03/2012  
**Date Received:** 04/03/2012  
**Date Analyzed:** 04/04/2012

Compound	Results in ug / Kg
Acetone	< 20.4
Benzene	J 2.94
Bromochloromethane	< 10.2
Bromodichloromethane	< 4.08
Bromoform	< 10.2
Bromomethane	< 4.08
2-Butanone	< 20.4
Carbon disulfide	< 4.08
Carbon Tetrachloride	< 4.08
Chlorobenzene	< 4.08
Chloroethane	< 4.08
Chloroform	< 4.08
Chloromethane	< 4.08
Cyclohexane	< 20.4
Dibromochloromethane	< 4.08
1,2-Dibromo-3-Chloropropane	< 20.4
1,2-Dibromoethane	< 4.08
1,2-Dichlorobenzene	< 4.08
1,3-Dichlorobenzene	< 4.08
1,4-Dichlorobenzene	< 4.08
Dichlorodifluoromethane	< 4.08
1,1-Dichloroethane	< 4.08
1,2-Dichloroethane	< 4.08
1,1-Dichloroethene	< 4.08
cis-1,2-Dichloroethene	< 4.08
trans-1,2-Dichloroethene	< 4.08

Compound	Results in ug / Kg
1,2-Dichloropropane	< 4.08
cis-1,3-Dichloropropene	< 4.08
trans-1,3-Dichloropropene	< 4.08
1,4-Dioxane	< 40.8
Ethylbenzene	74.5
Freon 113	< 4.08
2-Hexanone	< 10.2
Isopropylbenzene	12.2
Methyl acetate	< 4.08
Methyl tert-butyl Ether	< 4.08
Methylcyclohexane	9.73
Methylene chloride	< 10.2
4-Methyl-2-pentanone	< 10.2
Styrene	< 10.2
1,1,2,2-Tetrachloroethane	< 4.08
Tetrachloroethene	< 4.08
Toluene	J 3.98
1,2,3-Trichlorobenzene	< 10.2
1,2,4-Trichlorobenzene	< 10.2
1,1,1-Trichloroethane	< 4.08
1,1,2-Trichloroethane	< 4.08
Trichloroethene	< 4.08
Trichlorofluoromethane	< 4.08
Vinyl chloride	< 4.08
m,p-Xylene	547
o-Xylene	109

ELAP Number 10958

Method: EPA 8260B

Data File: V95952A.D

Comments: ug / Kg = microgram per Kilogram

Signature: \_\_\_\_\_

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

### Volatile Analysis Report for Soils/Solids/Sludges

**Client: Lu Engineers, Inc.**

<b>Client Job Site:</b> Orchard/Whitney Plating Area	<b>Lab Project Number:</b> 12:1410
IRM - Soil Removal	<b>Lab Sample Number:</b> 12:1410-02
<b>Client Job Number:</b> 4216-03	
<b>Field Location:</b> OW-PA-FC-11	<b>Date Sampled:</b> 04/03/2012
<b>Field ID Number:</b> N/A	<b>Date Received:</b> 04/03/2012
<b>Sample Type:</b> Soil	<b>Date Analyzed:</b> 04/04/2012

Compound	Results in ug / Kg
Acetone	< 91.3
Benzene	< 18.3
Bromochloromethane	< 45.6
Bromodichloromethane	< 18.3
Bromoform	< 45.6
Bromomethane	< 18.3
2-Butanone	< 91.3
Carbon disulfide	< 18.3
Carbon Tetrachloride	< 18.3
Chlorobenzene	< 18.3
Chloroethane	< 18.3
Chloroform	< 18.3
Chloromethane	< 18.3
Cyclohexane	< 91.3
Dibromochloromethane	< 18.3
1,2-Dibromo-3-Chloropropane	< 91.3
1,2-Dibromoethane	< 18.3
1,2-Dichlorobenzene	< 18.3
1,3-Dichlorobenzene	< 18.3
1,4-Dichlorobenzene	< 18.3
Dichlorodifluoromethane	< 18.3
1,1-Dichloroethane	< 18.3
1,2-Dichloroethane	< 18.3
1,1-Dichloroethene	< 18.3
cis-1,2-Dichloroethene	< 18.3
trans-1,2-Dichloroethene	< 18.3

Compound	Results in ug / Kg
1,2-Dichloropropane	< 18.3
cis-1,3-Dichloropropene	< 18.3
trans-1,3-Dichloropropene	< 18.3
1,4-Dioxane	< 183
Ethylbenzene	123
Freon 113	< 18.3
2-Hexanone	< 45.6
Isopropylbenzene	J 11.6
Methyl acetate	< 18.3
Methyl tert-butyl Ether	< 18.3
Methylcyclohexane	< 18.3
Methylene chloride	< 45.6
4-Methyl-2-pentanone	< 45.6
Styrene	< 45.6
1,1,2,2-Tetrachloroethane	< 18.3
Tetrachloroethene	< 18.3
Toluene	< 18.3
1,2,3-Trichlorobenzene	< 45.6
1,2,4-Trichlorobenzene	< 45.6
1,1,1-Trichloroethane	< 18.3
1,1,2-Trichloroethane	< 18.3
Trichloroethene	< 18.3
Trichlorofluoromethane	< 18.3
Vinyl chloride	< 18.3
m,p-Xylene	998
o-Xylene	162

ELAP Number 10958

Method: EPA 8260B

Data File: V95956.D

Comments: ug / Kg = microgram per Kilogram  
 Matrix Spike outliers indicate probable matrix interference

Signature:


  
 Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

121410V2.XLS



# PARADIGM ENVIRONMENTAL SERVICES, INC.

## CHAIN OF CUSTODY

179 Lake Avenue  
Rochester, NY 14608  
(585) 647-2630 • (800) 724-1997  
FAX: (585) 647-3311

REPORT TO:

INVOICE TO:

PROJECT NAME/SITE NAME:  
*Covered/Winterway Paving Area ILM - Soil Removal*

COMPANY: <i>Lu Eng</i>	ADDRESS: <i>175 Sullivan's Trail</i>	STATE: <i>NY</i>	ZIP: <i>14534</i>	PHONE: <i>385-7417</i>	FAX:
ATTN: <i>Enzo / Greg A.</i>	ADDRESS: <i>SAVING</i>	STATE:	ZIP:	PHONE:	FAX:
COMMENTS: <i>envtl results to: Greg A. / Enzo. / Jane Forbes</i>	REQUESTED ANALYSIS: <i>P.O. 149387</i>	LAB PROJECT #: <i>121410</i>	CLIENT PROJECT #: <i>4216-03</i>	TURNAROUND TIME: (WORKING DAYS)	QUOTE #: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5
		STD	OTHER		

DATE	TIME	COMPOSITE	G R A B	SAMPLE LOCATION/FIELD ID	M A T R I X	C O N T A M I N E N T S	TCL VOCs 8260	PCRA Metals	REMARKS	PARADIGM LAB SAMPLE NUMBER
4/3/12	3:30	X		OW-PA-SWC-10	Soil	1	X	X	Asst Cat B w/ Equiz	01
4/3/12	3:50	X		OW-PA-FC-11	soil	1	X	X	EDD	
<del>4/3/12</del>	<del>3:52</del>	<del>X</del>		<del>OW-PA-FC-11 MS</del>	<del>soil</del>	<del>1</del>	<del>X</del>	<del>X</del>		02
4/3/12	3:52	X		OW-PA-FC-11 MS	soil	1	X	X		
4/3/12	3:53	X		OW-PA-FC-11 MS	soil	1	X	X		
6										
7										
8										
9										
10										

\*\*LAB USE ONLY BELOW THIS LINE\*\*

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	Container Type:	NELAC Compliance
Comments:	Preservation: <i>NA</i>	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Comments:	Holding Time:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Comments:	Temperature: <i>0°C in shadow</i>	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N

Sampled By: <i>Enzo DeBorja</i>	Date/Time: <i>4/3/12</i>
Relinquished By: <i>Steve G. DeBorja</i>	Date/Time: <i>4/3/12 4:36</i>
Received By: <i>Elizabeth Honick</i>	Date/Time: <i>4/3/12 10:30</i>
Received @ Lab By:	Date/Time: <i>1647 n</i>

COO us dropped off by lab employee custody send n/a

Total Cost:

P.L.F.



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

**LAB REPORT FOR RCRA METALS ANALYSIS IN SOLIDS**

**Client:** Lu Engineers, Inc. **Lab Project No.:** 12:1437  
**Client Job Site:** Orchard/Whitney Plating **Lab Sample No.:** 12:1437-01  
Area IRM-Soil Removal **Sample Type:** Soil  
**Client Job No.:** 4216-03 **Date Sampled:** 04/04/2012  
**Field Location:** OW-PA-SWC-12 **Date Received:** 04/04/2012  
**Field ID No.:** N/A

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Arsenic	04/09/2012	SW846 3050/6010	6.21
Barium	04/09/2012	SW846 3050/6010	54.1
Cadmium	04/09/2012	SW846 3050/6010	6.36
Chromium	04/09/2012	SW846 3050/6010	22.2
Lead	04/09/2012	SW846 3050/6010	7.55
Mercury	04/06/2012	SW846 7471	0.0106
Selenium	04/09/2012	SW846 3050/6010	< 1.15
Silver	04/09/2012	SW846 3050/6010	< 1.15

ELAP ID No.:10958

Comments:

Approved By:   
Bruce Hoogesteger, Technical Director





**Volatile Analysis Report for Soils/Solids/Sludges**

**Client:** Lu Engineers, Inc.

**Client Job Site:** Orchard/Whitney Plating  
Area IRM-Soil Removal  
**Client Job Number:** 4216-03  
**Field Location:** OW-PA-SWC-12  
**Field ID Number:** N/A  
**Sample Type:** Soil

**Lab Project Number:** 12:1437  
**Lab Sample Number:** 12:1437-01  
**Date Sampled:** 04/04/2012  
**Date Received:** 04/04/2012  
**Date Analyzed:** 04/06/2012

Compound	Results in ug / Kg
Acetone	< 23.2
Benzene	< 4.63
Bromochloromethane	< 11.6
Bromodichloromethane	< 4.63
Bromoform	< 11.6
Bromomethane	< 4.63
2-Butanone	< 23.2
Carbon disulfide	< 4.63
Carbon Tetrachloride	< 4.63
Chlorobenzene	< 4.63
Chloroethane	< 4.63
Chloroform	< 4.63
Chloromethane	< 4.63
Cyclohexane	< 23.2
Dibromochloromethane	< 4.63
1,2-Dibromo-3-Chloropropane	< 23.2
1,2-Dibromoethane	< 4.63
1,2-Dichlorobenzene	< 4.63
1,3-Dichlorobenzene	< 4.63
1,4-Dichlorobenzene	< 4.63
Dichlorodifluoromethane	< 4.63
1,1-Dichloroethane	< 4.63
1,2-Dichloroethane	< 4.63
1,1-Dichloroethene	< 4.63
cis-1,2-Dichloroethene	< 4.63
trans-1,2-Dichloroethene	< 4.63

Compound	Results in ug / Kg
1,2-Dichloropropane	< 4.63
cis-1,3-Dichloropropene	< 4.63
trans-1,3-Dichloropropene	< 4.63
1,4-Dioxane	< 46.3
Ethylbenzene	< 4.63
Freon 113	< 4.63
2-Hexanone	< 11.6
Isopropylbenzene	< 4.63
Methyl acetate	< 4.63
Methyl tert-butyl Ether	< 4.63
Methylcyclohexane	< 4.63
Methylene chloride	< 11.6
4-Methyl-2-pentanone	< 11.6
Styrene	< 11.6
1,1,2,2-Tetrachloroethane	< 4.63
Tetrachloroethene	< 4.63
Toluene	< 4.63
1,2,3-Trichlorobenzene	< 11.6
1,2,4-Trichlorobenzene	< 11.6
1,1,1-Trichloroethane	< 4.63
1,1,2-Trichloroethane	< 4.63
Trichloroethene	< 4.63
Trichlorofluoromethane	< 4.63
Vinyl chloride	< 4.63
m,p-Xylene	< 4.63
o-Xylene	< 4.63

ELAP Number 10958

Method: EPA 8260B

Data File: V96064.D

Comments: ug / Kg = microgram per Kilogram

Signature: \_\_\_\_\_

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

# PARADIGM ENVIRONMENTAL SERVICES, INC.

# CHAIN OF CUSTODY

179 Lake Avenue  
Rochester, NY 14608  
(585) 647-2530 • (800) 724-1997  
FAX: (585) 647-3311

REPORT TO: **Lu Eng**  
INVOICE TO: **SKWVC**

PROJECT NAME/SITE NAME:  
**Overwood/Winterbury Platting Area I/II - Soil Removal**

COMPANY: **Lu Eng**  
ADDRESS: **175 Sully's Trail Suite 202**  
CITY: **Pittsford** STATE: **NY** ZIP: **14534**  
PHONE: **385-7417** FAX: **385-7417**

COMPANY: **SKWVC**  
ADDRESS: **SKWVC**  
CITY: STATE: ZIP:  
PHONE: FAX:

LAB PROJECT #: **121437** CLIENT PROJECT #: **426-03**  
TURNAROUND TIME: (WORKING DAYS)  
QUOTE #: **MS021111A**  
STD  OTHER

REQUESTED ANALYSIS

PD 149387

REMARKS: **Report 8260 TCL ASP 2008, per request form. EAH 4/4**

DATE	TIME	COMPOSITE	GRA B	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAMINANTS	REQUESTED ANALYSIS	PARADIGM LAB SAMPLE NUMBER
4/4/12	9:30	X		OW-PA-SWC-12	Soil	2	TCL VOCs \$260 RCRA Metals Chromium	ASP Cat B w/Equis 011
4/4/12	10:30	X		OW-PA-SWC-7B	Soil	1		EDD 02
3								
4								
5								
6								
7								
8								
9								
10								

\*\*LAB USE ONLY BELOW THIS LINE\*\*

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter: **NELAC Compliance**

Container Type:  Y  N

Preservation:  Y  N

Holding Time:  Y  N

Temperature: **8°C**   N

Comments: **4/4 - from samples. Pres. begun in field.**

Sampled By: **Toni Detweller** Date/Time: **4/4/12**

Relinquished By: **Lu Eng** Date/Time: **4/4/12 1:16**

Received By: **Mickel Popper** Date/Time: **4/4/12 1458**

Received @ Lab By: **Lu Eng** Date/Time: **4/4/12 1316**

Total Cost:

PI.F

cooler delivered by client so custody seals N/A. EAH 4/4

**PLATING AREA – WASTE CHARACTERIZATION  
SOIL**

## City of Rochester

Sample ID: OW-S-MW-17

Date Received: 10/06/2008

Lab Sample ID: A8C38504

Project No: NY8A9801

Date Collected: 10/01/2008

Client No: 423943

Time Collected: 00:00

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
**ASP** SOIL - 8260 TCL VOLATILES								
1,1,1-Trichloroethane	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
1,1,2,2-Tetrachloroethane	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
1,1,2-Trichloroethane	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
1,1-Dichloroethane	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
1,1-Dichloroethene	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
1,2,4-Trichlorobenzene	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
1,2-Dibromo-3-chloropropane	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
1,2-Dibromoethane	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
1,2-Dichlorobenzene	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
1,2-Dichloroethane	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
1,2-Dichloropropane	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
1,3-Dichlorobenzene	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
1,4-Dichlorobenzene	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
2-Butanone	ND		33	UG/KG	8260	10/09/2008	04:27	CDC
2-Hexanone	ND		33	UG/KG	8260	10/09/2008	04:27	CDC
4-Methyl-2-pentanone	ND		33	UG/KG	8260	10/09/2008	04:27	CDC
Acetone	ND		33	UG/KG	8260	10/09/2008	04:27	CDC
Benzene	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
Bromodichloromethane	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
Bromoform	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
Bromomethane	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
Carbon Disulfide	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
Carbon Tetrachloride	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
Chlorobenzene	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
Chloroethane	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
Chloroform	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
Chloromethane	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
cis-1,2-Dichloroethene	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
cis-1,3-Dichloropropene	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
Cyclohexane	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
Dibromochloromethane	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
Dichlorodifluoromethane	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
Ethylbenzene	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
Isopropylbenzene	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
Methyl acetate	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
Methyl-t-Butyl Ether (MTBE)	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
Methylcyclohexane	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
Methylene chloride	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
Styrene	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
Tetrachloroethene	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
Toluene	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
Total Xylenes	ND		20	UG/KG	8260	10/09/2008	04:27	CDC
trans-1,2-Dichloroethene	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
trans-1,3-Dichloropropene	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
Trichloroethene	8		7	UG/KG	8260	10/09/2008	04:27	CDC
Trichlorofluoromethane	ND		7	UG/KG	8260	10/09/2008	04:27	CDC
Vinyl chloride	ND		13	UG/KG	8260	10/09/2008	04:27	CDC

## City of Rochester

Sample ID: OW-S-MW-17

Date Received: 10/06/2008

Lab Sample ID: A8C38504

Project No: NY8A9801

Date Collected: 10/01/2008

Client No: 423943

Time Collected: 00:00

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
**ASP** SOIL- 8270 TCL SEMIVOLATILES								
1,2,4-Trichlorobenzene	ND		410	UG/KG	8270	10/14/2008	23:23	AJ
1,2-Dichlorobenzene	ND		410	UG/KG	8270	10/14/2008	23:23	AJ
1,3-Dichlorobenzene	ND		410	UG/KG	8270	10/14/2008	23:23	AJ
1,4-Dichlorobenzene	ND		410	UG/KG	8270	10/14/2008	23:23	AJ
2,2'-Oxybis(1-Chloropropane)	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
2,4,5-Trichlorophenol	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
2,4,6-Trichlorophenol	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
2,4-Dichlorophenol	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
2,4-Dimethylphenol	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
2,4-Dinitrophenol	ND		410	UG/KG	8270	10/14/2008	23:23	AJ
2,4-Dinitrotoluene	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
2,6-Dinitrotoluene	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
2-Chloronaphthalene	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
2-Chlorophenol	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
2-Methylnaphthalene	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
2-Methylphenol	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
2-Nitroaniline	ND		410	UG/KG	8270	10/14/2008	23:23	AJ
2-Nitrophenol	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
3,3'-Dichlorobenzidine	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
3-Nitroaniline	ND		410	UG/KG	8270	10/14/2008	23:23	AJ
4,6-Dinitro-2-methylphenol	ND		410	UG/KG	8270	10/14/2008	23:23	AJ
4-Bromophenyl phenyl ether	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
4-Chloro-3-methylphenol	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
4-Chloroaniline	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
4-Chlorophenyl phenyl ether	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
4-Methylphenol	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
4-Nitroaniline	ND		410	UG/KG	8270	10/14/2008	23:23	AJ
4-Nitrophenol	ND		410	UG/KG	8270	10/14/2008	23:23	AJ
Acenaphthene	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
Acenaphthylene	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
Anthracene	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
Benzo(a)anthracene	12	J	210	UG/KG	8270	10/14/2008	23:23	AJ
Benzo(a)pyrene	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
Benzo(b)fluoranthene	11	J	210	UG/KG	8270	10/14/2008	23:23	AJ
Benzo(ghi)perylene	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
Benzo(k)fluoranthene	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
Benzyl alcohol	ND		410	UG/KG	8270	10/14/2008	23:23	AJ
Bis(2-chloroethoxy) methane	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
Bis(2-chloroethyl) ether	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
Bis(2-ethylhexyl) phthalate	170	J	210	UG/KG	8270	10/14/2008	23:23	AJ
Butyl benzyl phthalate	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
Chrysene	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
Di-n-butyl phthalate	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
Di-n-octyl phthalate	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
Dibenzo(a,h)anthracene	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
Dibenzofuran	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
Diethyl phthalate	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
Dimethyl phthalate	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
Fluoranthene	19	J	210	UG/KG	8270	10/14/2008	23:23	AJ



## City of Rochester

Sample ID: 0W-S-MW-17

Date Received: 10/06/2008

Lab Sample ID: A8C38504

Project No: NY8A9801

Date Collected: 10/01/2008

Client No: 423943

Time Collected: 00:00

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
<b>**ASP** SOIL- 8270 TCL SEMIVOLATILES</b>								
Fluorene	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
Hexachlorobenzene	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
Hexachlorobutadiene	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
Hexachlorocyclopentadiene	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
Hexachloroethane	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
Indeno(1,2,3-cd)pyrene	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
Isophorone	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
N-Nitroso-Di-n-propylamine	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
N-Nitrosodimethylamine	ND		410	UG/KG	8270	10/14/2008	23:23	AJ
N-nitrosodiphenylamine	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
Naphthalene	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
Nitrobenzene	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
Pentachlorophenol	ND		410	UG/KG	8270	10/14/2008	23:23	AJ
Phenanthrene	16	J	210	UG/KG	8270	10/14/2008	23:23	AJ
Phenol	ND		210	UG/KG	8270	10/14/2008	23:23	AJ
Pyrene	14	J	210	UG/KG	8270	10/14/2008	23:23	AJ
<b>**ASP** SOIL - 8082 - PCBS</b>								
Aroclor 1016	ND		42	UG/KG	8082	10/13/2008	14:11	GFD
Aroclor 1221	ND		42	UG/KG	8082	10/13/2008	14:11	GFD
Aroclor 1232	ND		42	UG/KG	8082	10/13/2008	14:11	GFD
Aroclor 1242	ND		42	UG/KG	8082	10/13/2008	14:11	GFD
Aroclor 1248	ND		42	UG/KG	8082	10/13/2008	14:11	GFD
Aroclor 1254	ND		42	UG/KG	8082	10/13/2008	14:11	GFD
Aroclor 1260	ND		42	UG/KG	8082	10/13/2008	14:11	GFD
<b>Metals Analysis</b>								
Aluminum - Total	3430		11.7	MG/KG	6010	10/13/2008	13:51	
Antimony - Total	ND	N	17.6	MG/KG	6010	10/13/2008	13:51	
Arsenic - Total	8.6		2.3	MG/KG	6010	10/13/2008	13:51	
Barium - Total	19.8		0.59	MG/KG	6010	10/13/2008	13:51	
Beryllium - Total	0.36		0.23	MG/KG	6010	10/13/2008	13:51	
Cadmium - Total	ND		0.23	MG/KG	6010	10/13/2008	13:51	
Calcium - Total	131000		587	MG/KG	6010	10/15/2008	12:46	
Chromium - Total	46.0	*	0.59	MG/KG	6010	10/13/2008	13:51	
Cobalt - Total	2.9		0.59	MG/KG	6010	10/13/2008	13:51	
Copper - Total	9.9	N*	1.2	MG/KG	6010	10/13/2008	13:51	
Iron - Total	10800		11.7	MG/KG	6010	10/13/2008	13:51	
Lead - Total	13.2		1.2	MG/KG	6010	10/13/2008	13:51	
Magnesium - Total	19600		23.5	MG/KG	6010	10/13/2008	13:51	
Manganese - Total	217		0.23	MG/KG	6010	10/13/2008	13:51	
Mercury - Total	ND		0.026	MG/KG	7471	10/10/2008	15:07	
Nickel - Total	5.5		0.59	MG/KG	6010	10/13/2008	13:51	
Potassium - Total	2470		35.2	MG/KG	6010	10/13/2008	13:51	
Selenium - Total	ND		4.7	MG/KG	6010	10/13/2008	13:51	
Silver - Total	ND		0.59	MG/KG	6010	10/13/2008	13:51	
Sodium - Total	217		164	MG/KG	6010	10/13/2008	13:51	
Thallium - Total	ND		7.0	MG/KG	6010	10/13/2008	13:51	
Vanadium - Total	8.3		0.59	MG/KG	6010	10/13/2008	13:51	

City of Rochester

Sample ID: OW-S-MW-17

Date Received: 10/06/2008

Lab Sample ID: A8C38504

Project No: NY8A9801

Date Collected: 10/01/2008

Client No: 423943

Time Collected: 00:00

Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time	
						Analyzed	Analyst
Metals Analysis							
Zinc - Total	12.5		2.3	MG/KG	6010	10/13/2008	13:51



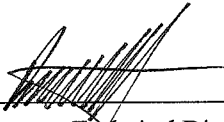
**LAB REPORT FOR FLASHPOINT ANALYSIS**

<b>Client:</b>	<b><u>Lu Engineers</u></b>	<b>Lab Project No.:</b>	11-2950
<b>Client Job Site:</b>	Orchard / Whitney Site Soil Boring Phase	<b>Sample Type:</b>	Soil
<b>Client Job No.:</b>	4216-03	<b>Method:</b>	SW846 1010
		<b>Date Sampled:</b>	07/13/2011
		<b>Date Received:</b>	07/15/2011
		<b>Date Analyzed:</b>	07/15/2011

Lab Sample No.	Field ID No.	Field Location	Flashpoint Results (°C)
9755	N/A	OW-PA14 (3-5') - WC	>70.0

ELAP ID No.:10958

Comments:

**Approved By:**   
Bruce Hoogesteger, Technical Director



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

**LAB REPORT FOR PAINT FILTER ANALYSIS**

**Client:** Lu Engineers

**Lab Project No.:** 11-2950

**Client Job Site:** Orchard / Whitney Site  
Soil Boring Phase

**Sample Type:** Soil  
**Method:** SW846 9095

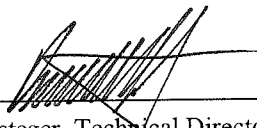
**Client Job No.:** 4216-03

**Date Sampled:** 07/13/2011  
**Date Received:** 07/15/2011  
**Date Analyzed:** 07/15/2011

<b>Lab Sample No.</b>	<b>Field ID No.</b>	<b>Field Location</b>	<b>Paint Filter Test Results (Pass/Fail)</b>
9755	N/A	OW-PA14 (3-5') - WC	Pass (No Free Liquid)

ELAP ID No.:10958

Comments:

**Approved By:**   
Bruce Hoogesteger, Technical Director



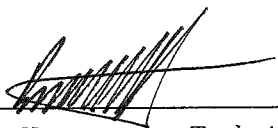
**LABORATORY REPORT FOR AMENABLE CYANIDE**

**Client:** Lu Engineers **Lab Project No.:** 11-2950  
**Client Job Site:** Orchard/Whitney Site **Sample Type:** Soil  
Soil Boring Phase  
**Client Job No.:** 4216-03 **Date Sampled:** 7/13/2011  
**Date Received:** 7/15/2011  
**Analytical Method:** SW 9010A **Date Analyzed:** 7/18/2011

Lab Sample ID	Sample Location/Field ID	Amenable Cyanide (mg/kg)
9755	OW-PA14 (3-5)-WC	1.25

ELAP ID.No.: 10478

Comments:

**Approved By:**   
Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

**LAB REPORT FOR RCRA METALS ANALYSIS IN SOLIDS**

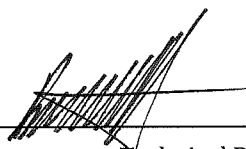
<b>Client:</b>	<b><u>Lu Engineers</u></b>	<b>Lab Project No.:</b>	11-2950
<b>Client Job Site:</b>	Orchard/Whitney Site	<b>Lab Sample No.:</b>	9755
	Soil Boring Phase	<b>Sample Type:</b>	Soil
<b>Client Job No.:</b>	4216-03	<b>Date Sampled:</b>	07/13/2011
<b>Field Location:</b>	OW-PA14(3-5')-WC	<b>Date Received:</b>	07/15/2011
<b>Field ID No.:</b>	N/A		

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Arsenic	07/18/2011	SW846 3050/6010	4.50 M
Barium	07/18/2011	SW846 3050/6010	33.1 DM
Cadmium	07/18/2011	SW846 3050/6010	4.75 DM
Chromium	07/18/2011	SW846 3050/6010	518 M
Lead	07/18/2011	SW846 3050/6010	5.82 M
Mercury	07/19/2011	SW846 7471	0.0439 D
Selenium	07/18/2011	SW846 3050/6010	< 1.05 M
Silver	07/18/2011	SW846 3050/6010	< 1.05

ELAP ID No.:10958

Comments:

Approved By: \_\_\_\_\_



Bruce Hoogesteger, Technical Director



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

**LAB REPORT FOR TCLP RCRA METALS ANALYSIS**


**Client:** Lu Engineers  
**Client Job Site:** Orchard/Whitney Site  
Soil Boring Phase  
**Client Job No.:** 4216-03  
**Field Location:** OW-PA14(3-5')-WC  
**Field ID No.:** N/A

**Lab Project No.:** 11-2950  
**Lab Sample No.:** 9755  
**Sample Type:** TCLP Extract  
**Date Sampled:** 07/13/2011  
**Date Received:** 07/15/2011

Parameter	Date Analyzed	Analytical Method	Result (mg/L)	Regulatory Limit (mg/L)
Arsenic	07/22/2011	SW846 3005/6010	<0.100	5.0
Barium	07/22/2011	SW846 3005/6010	1.60	100
Cadmium	07/22/2011	SW846 3005/6010	0.083	1.0
Chromium	07/22/2011	SW846 3005/6010	3.90	5.0
Lead	07/22/2011	SW846 3005/6010	<0.100	5.0
Mercury	07/19/2011	SW846 7470	<0.0020	0.2
Selenium	07/22/2011	SW846 3005/6010	<0.100	1.0
Silver	07/22/2011	SW846 3005/6010	<0.050	5.0

ELAP ID No.:10958

Comments:

Approved By:   
Bruce Hoogesteger, Technical Director



**Semi-Volatile Analysis Report for Soils/Solids/Sludges (B/N Fraction)**

Client: Lu Engineers

**Client Job Site:** Orchard / Whitney Site  
Soil Boring Phase  
**Client Job Number:** 4216-03  
**Field Location:** OW-PA14 (3-5') - WC  
**Field ID Number:** N/A  
**Sample Type:** Soil

**Lab Project Number:** 11-2950  
**Lab Sample Number:** 9755  
**Date Sampled:** 07/13/2011  
**Date Received:** 07/15/2011  
**Date Analyzed:** 07/18/2011

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	< 317	Dibenz (a,h) anthracene	< 317
Anthracene	< 317	Fluoranthene	< 317
Benzo (a) anthracene	< 317	Fluorene	< 317
Benzo (a) pyrene	< 317	Indeno (1,2,3-cd) pyrene	< 317
Benzo (b) fluoranthene	< 317	Naphthalene	< 317
Benzo (g,h,i) perylene	< 317	Phenanthrene	< 317
Benzo (k) fluoranthene	< 317	Pyrene	< 317
Chrysene	< 317	Acenaphthylene	< 317
Diethyl phthalate	< 317	1,2-Dichlorobenzene	< 317
Dimethyl phthalate	< 794	1,3-Dichlorobenzene	< 317
Butylbenzylphthalate	< 317	1,4-Dichlorobenzene	< 317
Di-n-butyl phthalate	< 317	1,2,4-Trichlorobenzene	< 317
Di-n-octylphthalate	< 317	Nitrobenzene	< 317
Bis (2-ethylhexyl) phthalate	< 317	2,4-Dinitrotoluene	< 317
2-Chloronaphthalene	< 317	2,6-Dinitrotoluene	< 317
Hexachlorobenzene	< 317	Bis (2-chloroethyl) ether	< 317
Hexachloroethane	< 317	Bis (2-chloroisopropyl) ether	< 317
Hexachlorocyclopentadiene	< 317	Bis (2-chloroethoxy) methane	< 317
Hexachlorobutadiene	< 317	4-Bromophenyl phenyl ether	< 317
N-Nitroso-di-n-propylamine	< 317	4-Chlorophenyl phenyl ether	< 317
N-Nitrosodiphenylamine	< 317	Benzidine	< 794
N-Nitrosodimethylamine	< 317	3,3'-Dichlorobenzidine	< 317
Isophorone	< 317	4-Chloroaniline	< 317
Benzyl alcohol	< 794	2-Nitroaniline	< 794
Dibenzofuran	< 317	3-Nitroaniline	< 794
2-Methylnaphthalene	< 317	4-Nitroaniline	< 794

ELAP Number 10958

Analytical Method: EPA 8270C

Data File: S57745.D

Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram  
Internal Standard outliers indicate probable matrix interference

Signature: \_\_\_\_\_

Bruce Hoogesteger: Technical Director





**Volatile Analysis Report for Soils/Solids/Sludges**

**Client:** Lu Engineers

**Client Job Site:** Orchard / Whitney Site  
Soil Boring Phase  
**Client Job Number:** 4216-03  
**Field Location:** OW-PA14 (3-5') - WC  
**Field ID Number:** N/A  
**Sample Type:** Soil

**Lab Project Number:** 11-2950  
**Lab Sample Number:** 9755  
**Date Sampled:** 07/13/2011  
**Date Received:** 07/15/2011  
**Date Analyzed:** 07/19/2011

Halocarbons	Results in ug / Kg
Bromodichloromethane	< 9.98
Bromomethane	< 9.98
Bromoform	< 24.9
Carbon Tetrachloride	< 9.98
Chloroethane	< 9.98
Chloromethane	< 9.98
2-Chloroethyl vinyl Ether	< 49.9
Chloroform	< 9.98
Dibromochloromethane	< 9.98
1,1-Dichloroethane	< 9.98
1,2-Dichloroethane	< 9.98
1,1-Dichloroethene	< 9.98
cis-1,2-Dichloroethene	< 9.98
trans-1,2-Dichloroethene	< 9.98
1,2-Dichloropropane	< 9.98
cis-1,3-Dichloropropene	< 9.98
trans-1,3-Dichloropropene	< 9.98
Methylene chloride	< 24.9
1,1,2,2-Tetrachloroethane	< 9.98
Tetrachloroethene	< 9.98
1,1,1-Trichloroethane	< 9.98
1,1,2-Trichloroethane	< 9.98
Trichloroethene	< 9.98
Trichlorofluoromethane	< 9.98
Vinyl chloride	< 9.98

Aromatics	Results in ug / Kg
Benzene	< 9.98
Chlorobenzene	< 9.98
Ethylbenzene	< 9.98
Toluene	< 9.98
m,p-Xylene	< 9.98
o-Xylene	< 9.98
Styrene	< 24.9
1,2-Dichlorobenzene	< 9.98
1,3-Dichlorobenzene	< 9.98
1,4-Dichlorobenzene	< 9.98

Ketones	Results in ug / Kg
Acetone	< 49.9
2-Butanone	< 49.9
2-Hexanone	< 24.9
4-Methyl-2-pentanone	< 24.9

Miscellaneous	Results in ug / Kg
Carbon disulfide	< 9.98
Vinyl acetate	< 24.9

ELAP Number 10958

Method: EPA 8260B

Data File: V89406.D

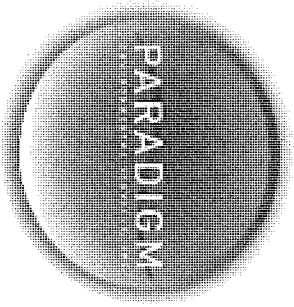
Comments: ug / Kg = microgram per Kilogram

Signature: \_\_\_\_\_

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

# CHAIN OF CUSTODY



PARADIGM

REPORT TO:

INVOICE TO:

PROJECT NAME/SITE NAME:  
Orchard/Industry Site  
Soil Boring Phase

COMPANY: <u>Lu Engineers</u>	COMPANY: <u>Same</u>	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS: <u>175 Sullivan's Trail, Suite 202</u>	ADDRESS: <u>3 715</u>	<u>11, 2950</u>	<u>4216-03</u>
CITY: <u>Pittsford</u> STATE: <u>NY</u> ZIP: <u>14534</u>	CITY: <u>PAH</u> STATE: <u>PAH</u> ZIP: <u>715</u>	TURNAROUND TIME: (WORKING DAYS)	<u>Non ASP sample today not</u>
PHONE: <u>585-7417</u> FAX: <u></u>	PHONE: <u>715-715-715</u> FAX: <u>7-15-11</u>	STD	<u>1</u> <input checked="" type="checkbox"/> <u>2</u> <input type="checkbox"/> <u>3</u> <input type="checkbox"/> <u>5</u> <input type="checkbox"/>
ATTN: <u>Greg Andrus / Eric Detweiler</u>	ATTN: <u></u>	OTHER	<u>Quotation # MS02/1111 A</u>

COMMENTS: email results to: edetweiler@luengineers.com, gregandrus@luengineers.com  
 \*All samples ASP date except waste chug; separate job, see 11.2949A.  
 REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	G R A B	SAMPLE LOCATION/FIELD ID	M A T R I X	C O N T A M I N A T I O N S	RCRA Metals	TCLP Metals (cont)	VOCs 8260 TCL	SVOCs 8270 B/W	Amenable Cyanide	Paint Filter Test	Ignitability	REMARKS	PARADIGM LAB SAMPLE NUMBER
1 7/11/11	9:00	X		DW-PA09-(4-6')	Soil	X	X							All samples ASP Cot B except waste	
2 7/11/11	10:45	X		DW-PA10-(7-8')		X	X							Chug, sample #7	
3 7/11/11	1:10	X		DW-PA11-(4-6')		X	X								
4 7/11/11	1:10	X		DW-PA11-(4-6')-Dup.		X	X								
5 7/12/11	10:00	X		DW-PA12-(6.5-2')		X	X								
6 7/12/11	2:40	X		DW-PA13-(2-4')		X	X								
7 7/13/11	10:15	X		DW-PA14(3-5')-WC		X	X							NON-ASP Cot B	9755
8 7/13/11	10:45	X		DW-PA14(10.5-12')		X	X								
9 7/13/11	12:10	X		DW-PA15-(7-9')		X	X								
10 7/13/11	3:00	X		DW-PA16-(10.5-12')		X	X								

\*\*LAB USE ONLY BELOW THIS LINE\*\*

Sample Condition: Per NELAC/EI/LAP 210/241/242/243/244

Receipt Parameter: NELAC Compliance

Container Type:  Y  N

Preservation: N/A  Y  N

Holding Time:  Y  N

Temperature: As Collected  Y  N

Comments: \_\_\_\_\_

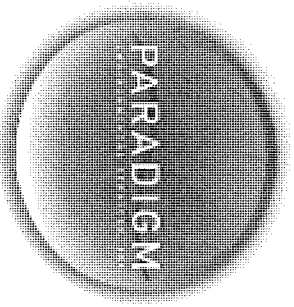
Comments: \_\_\_\_\_

Comments: \_\_\_\_\_

Erin Detweiler 7/15/11 - 7/14/11  
 Laveria Berger 7/15/11 8:00  
 Received By: Elizabeth A. Honck Date/Time: 7/15/11 10:55  
 Received @ Lab By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Total Cost: \_\_\_\_\_ P.I.F.

# CHAIN OF CUSTODY



PARADIGM

PROJECT NAME/SITE NAME: Overland/Industry Site  
Soil Boring Phase

REPORT TO: Lu Engineers INVOICE TO: Same

COMPANY: Lu Engineers ADDRESS: See Pg. 1 CITY: See Pg. 1 STATE: See Pg. 1 ZIP: See Pg. 1

PHONE: See Pg. 1 FAX: See Pg. 1

ATTN: See Pg. 1

COMPANY: Same ADDRESS: Same CITY: Same STATE: Same ZIP: Same

PHONE: Same FAX: Same

ATTN: Same

LAB PROJECT #: 112950 CLIENT PROJECT #: 4216-03

TURNAROUND TIME (WORKING DAYS): 1  1  2  3  5  OTHER

COMMENTS: See Pg. 1 ASD Cat B delinables REQUESTED ANALYSIS: RCRA Metals

Quotation # MS021111A

DATE	TIME	COMPOSITE	G R A B	SAMPLE LOCATION/FIELD ID	M A T R I X	C O N T A M I N E N T S	REMARKS	PARADIGM LAB SAMPLE NUMBER
17/14/11	10:45	X		OW-PA17-(12-14')	SOIL	X	ASD Cat B	
27/14/11	1:30	X		OW-PA18-(7.5-9.5')	SOIL	X	↓	
3								
4								
5								
6								
7								
8								
9								
10								

\*\*LAB USE ONLY BELOW THIS LINE\*\*

Sample Condition: Per NELAC/EIAP 210/241/242/243/244

Receipt Parameter: NELAC Compliance

Container Type:  Y  N

Preservation: N/A  Y  N

Holding Time:  Y  N

Temperature: 40Ciced  Y  N

Comments: \_\_\_\_\_

Comments: \_\_\_\_\_

Comments: \_\_\_\_\_

Comments: \_\_\_\_\_

Comments: \_\_\_\_\_

Sampled By: Erz Detweiler Date/Time: 7/14/11 - 7/14/11

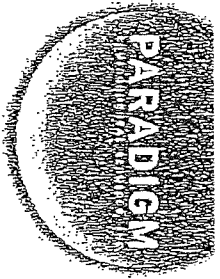
Relinquished By: Laura Gregg Date/Time: 7/15/11 8:00

Received By: Shirley A. Horne Date/Time: 7/15/11 0820

Received @ Lab By: Shirley A. Horne Date/Time: 7/15/11 1055

Total Cost:

P.I.F.



UTILITY 01 0001001

HQM PARADIGM 1051

REPORT TO: Paradigm Environmental  
 INVOICE TO: Same  
 COMPANY: Paradigm Environmental  
 ADDRESS: [Blank]  
 CITY: [Blank] STATE: [Blank] ZIP: [Blank]  
 PHONE: [Blank] FAX: [Blank]  
 ATTN: Jane Dalio  
 PHONE: [Blank] FAX: [Blank]  
 ATTN: Meredith Dillman  
 LAB PROJECT #: [Blank] CLIENT PROJECT #: [Blank]  
 TURNAROUND TIME: (WORKING DAYS) [Blank]  
 STD  1  2  3  4  5  6  
 OTHER [Blank]

PROJECT NAME/SITE NAME: [Blank]  
 COMMENTS: Please email results to khansen@paradigmenv.com and jdalio@paradigmenv.com  
 REQUESTED ANALYSIS: [Blank]  
 Date Due: 7/25/11

DATE	TIME	COMPOSITE	GRADES	SAMPLE LOCATION/FIELD ID	MATERIALS	CONTAMINANTS	REMARKS	PARADIGM LAB SAMPLE NUMBER
7/31/11	1015			11. 2950-9755	SOIL	1 X Amenable CN	Report as dug out. 1107699-01	
2								
3								
4								
5								
6								
7								
8								
9								
10								

LAB USE ONLY BELOW THIS LINE  
 Sample Condition: Per NELAC IAP 210241/242/243/244

Received Parameter: NELAC Compliance  
 Container Type: Y  N   
 Preservation: Y  N   
 Holding Time: Y  N   
 Temperature: Y  N   
 Comments: [Blank]

Client: [Blank]  
 Sampled By: [Blank] Date/Time: [Blank] Total Cost: [Blank]  
 Receiving/Prepared By: Elizabeth A. Honick Date/Time: 7/31/11 16:00  
 Received @ Lab By: [Blank] Date/Time: 7/31/11 10:00  
 P.I.F. [Blank]



**LAB REPORT FOR RCRA METALS ANALYSIS IN SOLIDS**

**Client:** Lu Engineers, Inc.

**Lab Project No.:** 12:1299

**Client Job Site:** Orchard/Whitney Plating  
Area IRM-Soil Removal

**Sample Type:** Solid/Soil  
**Method:** SW 846: 3050/6010,7471

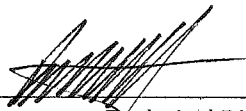
**Client Job No.:** 4216-03

**Date(s) Sampled:** 03/28/2012  
**Date Received:** 03/28/2012  
**Date Analyzed:** 03/29-04/02/2012

Lab Sample No.	Field ID No.	Field Location	Ag Results (mg/kg)	As Results (mg/kg)	Ba Results (mg/kg)	Cd Results (mg/kg)	Cr Results (mg/kg)	Pb Results (mg/kg)	Se Results (mg/kg)	Hg Result (mg/kg)
12:1299-01	N/A	OW-PA-Concrete 1	< 0.928	3.66	131	0.409 J	15.9	10.3	< 0.928	0.0401
12:1299-02	N/A	OW-PA-SWC-1	< 1.09	14.0	199	3.12	23.9	114	< 1.09	0.141
12:1299-03	N/A	OW-PA-FC-2	< 0.998	41.5	48.2	25.4	37.1	58.7	< 0.998	0.0685
12:1299-04	N/A	OW-PA-FC-3	< 0.938	2.25	22.1	1.68	6.38	2.78	< 0.938	0.0070 J
12:1299-05	N/A	OW-PA-SWC-4	< 1.06	17.4	37.9	22.5	8.43	20.5	1.09	0.267
12:1299-06	N/A	OW-PA-Soil Pile -1A	< 0.990	7.51	45.4	28.0	17.8	14.6	< 0.990	0.0846
12:1299-07	N/A	OW-PA-Soil Pile -1B	< 1.18 M	8.83 M	58.7 M	3.63 DM	28.1 DM	12.2 DM	0.749 JM	0.0374

ELAP ID No.: 10958

Comments:

Approved By:   
Bruce Hoogesteger, Technical Director



# CHAIN OF CUSTODY

**REPORT TO:**

**INVOICE TO:**

COMPANY: <u>Lu Eng.</u>	COMPANY: <u>Same</u>	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS: <u>175 Sullivan's Trail Sateville</u>	ADDRESS:	<u>121299</u>	<u>4216-03</u>
CITY: <u>Rttsford</u> STATE: <u>NY</u> ZIP: <u>14534</u>	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)	
PHONE: <u>385-7417</u> FAX:	PHONE: FAX:	<u>15 day</u> <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5	OTHER
ATTN: <u>Greg Andrews/Enz Detweiler</u>	ATTN:	<u>5 day</u> <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5	
COMMENTS: <u>email to Greg/Enz</u>	COMMENTS:	<u>15 day</u> <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5	

PROJECT NAME/SITE NAME:  
Overlook/Whitney Pkwy  
Area ID# - Soil Removal

**REQUESTED ANALYSIS**

DATE	TIME	COMPOSITE	GRA B	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAMINANTS	REMARKS	PARADIGM LAB SAMPLE NUMBER
1 3/28/12	11:40	X		OW-PA-Concrete 1	conc	X	RCP Cat B w/	01
2	11:00	X		OW-PA-SUC-1	soil	X	Regis EDD	02
3	11:25	X		OW-PA-FC-2		X	forward	03
4	3:00	X		OW-PA-FC-3		X	24 hr TAT	04
5	3:20	X		OW-PA-SUC-4		X		05
6	2:45	X		OW-PA-Soil Pile-1A		X		06
7	3:10	X		OW-PA-Soil Pile-1B		X		07
8								
9								
10								

**\*\*LAB USE ONLY BELOW THIS LINE\*\***

Sample Condition: Per NELAC/EI/LAP 2101241/242/243/244

Receipt Parameter NELAC Compliance

Container Type:  Y  N

Preservation:  Y  N

Holding Time:  Y  N

Temperature: 16°C - VIA b/c metals  Y  N

Comments: 16°C - VIA b/c metals only  Y  N

mp 3/28

Sampled By: [Signature] Date/Time: 3/28/12 15:55

Relinquished By: [Signature] Date/Time: 3/28/12 15:55

Received By: [Signature] Date/Time: 3/28/12 15:55

Received @ Lab By: [Signature] Date/Time: 3/28/12 1645

Total Cost:

cooler transported by Lu employee 3/28/12



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

## Analytical Report Cover Page

### **Lu Engineers, Inc.**

For Lab Project # 12:1372

Issued April 3, 2012

This report contains a total of 3 pages

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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**"Z" = See case narrative.**

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**"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.**

**"B" = Method blank contained trace levels of analyte. Refer to included method blank report.**



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

**LAB REPORT FOR TCLP CADMIUM ANALYSIS**

**Client:** Lu Engineers, Inc.

**Lab Project No.:** 12:1372

**Client Job Site:** Orchard/Whitney Plating Area  
IRM Soil Removal

**Sample Type:** TCLP Extract

**Client Job No.:** 4216-03

**Method:** SW846 1311/3005/6010

**Date Sampled:** 03/28/2012

**Date Received:** 04/02/2012

**Date Analyzed:** 04/03/2012

Lab Sample No.	Field ID No.	Field Location	Result (mg/L)	Regulatory Limit (mg/L)
12:1372-01	N/A	OW-PA-Soil Pile - 1A	0.631	1.0

ELAP ID No.:10958

Comments:

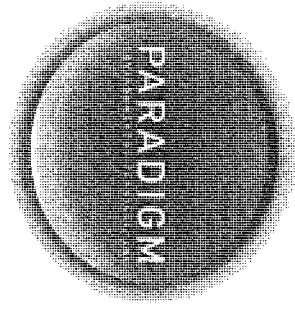
Approved By: \_\_\_\_\_

Bruce Hoogesteger, Technical Director



# CHAIN OF CUSTODY

12.13.12 for Relog



PARADIGM

REPORT TO:

INVOICE TO:

COMPANY: Lu Eng  
 ADDRESS: 175 Sullivan's Trail Suite 202  
 CITY: Pittsford STATE: NY ZIP: 14534  
 PHONE: 385-7417 FAX:  
 ATTN: Greg Andrews/Env 2 Detector  
 COMMENTS: Swirl to Envog/Env 2

COMPANY: Same  
 ADDRESS:  
 CITY: STATE: ZIP:  
 PHONE: FAX:  
 ATTN:

LAB PROJECT #: 121209 CLIENT PROJECT #: 4216-03  
 TURNAROUND TIME: (WORKING DAYS)  
 1  2  3  5 OTHER  
5 day TAT on concrete sample, rest 24 hr. STD  
 Quotation # MS021111A

P.O. 149387 (same)

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRADES	SAMPLE LOCATION/FIELD ID	MATERIALS	CONTAINERS	REMARKS	PARADIGM LAB SAMPLE NUMBER
3/28/12	11:40	X		OW-PA-Concrete 1	concrete	1	5 day TAT	01
	11:00	X		OW-PA-SWC-1	soil	1	RSP Cat B w/ Xquis EDD	02
	11:25	X		OW-PA-FC-2		1	forward	03
	3:00	X		OW-PA-FB-3		1	24 hr TAT	04
	3:20	X		OW-PA-SWC-4		1		05
	2:45	X		OW-PA-SW-PA		1		06
	3:10	X		OW-PA-SW-PA-1B		1	4/2/12 Relog So: 10:12 1A for TELP cd	07

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/EI LAP 210/241/242/243/244

Receipt Parameter: NELAC Compliance

Container Type: Y  N

Preservation: Y  N  N/A

Holding Time: Y  N

Temperature: Y  N  16°C - N/A b/c metal only

Comments: 1695 3128 mp 3/28

Sampled By: [Signature] Date/Time: 3/28/12 15:55 Total Cost:

Relinquished By: [Signature] Date/Time: 3/28/12 15:55

Received By: [Signature] Date/Time: 3/28/12 16:45 P.I.F.

Received @ Lab By: [Signature] Date/Time: 4/2/12 17:00 @ 4°C

Relog: Elizabeth A Honora

COOLER transported by Lu Eng employee. See 1515 N/A mp 3/28



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

## Analytical Report Cover Page

### **Lu Engineers, Inc.**

For Lab Project # 12:1338

Issued April 3, 2012

This report contains a total of 3 pages

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**"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.**

**"B" = Method blank contained trace levels of analyte. Refer to included method blank report.**



**LAB REPORT FOR RCRA METALS ANALYSIS IN SOLIDS**

**Client:** Lu Engineers

**Lab Project No.:** 12:1338

**Client Job Site:** Orchard/Whitney IRM  
Plating Area IRM Soil Removal

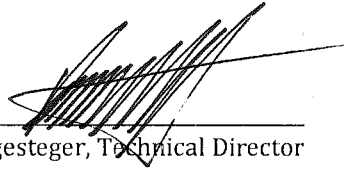
**Sample Type:** Soil  
**Method:** SW 846: 3050/6010,7471

**Client Job No.:** 4216-03

**Date(s) Sampled:** 03/30/2012  
**Date Received:** 03/30/2012  
**Date Analyzed:** 04/02-03/2012

Lab Sample No.	Field ID No.	Field Location	Ag Results (mg/kg)	As Results (mg/kg)	Ba Results (mg/kg)	Cd Results (mg/kg)	Cr Results (mg/kg)	Pb Results (mg/kg)	Se Results (mg/kg)	Hg Result (mg/kg)
12:1338-01	N/A	OW-PA-Soil Pile 2	< 1.05	16.9	45.7	30.6	41.8	73.7	< 1.05	0.0917
12:1338-02	N/A	OW-PA-Soil Pile 3A	< 0.958	7.34	43.1	10.2	353	65.3	< 0.958	0.0569
12:1338-03	N/A	OW-PA-Soil Pile 3B	< 1.03	14.3	57.4	13.7	35.9	43.6	< 1.03	0.101

ELAP ID No.: 10958

Comments:  
**Approved By:**   
Bruce Hoogesteger, Technical Director

# PARADIGM ENVIRONMENTAL SERVICES, INC.

## CHAIN OF CUSTODY

179 Lake Avenue  
Rochester, NY 14608  
(585) 647-2530 • (800) 724-1997  
FAX: (585) 647-3311

REPORT TO:

INVOICE TO:

COMPANY: Lee Engineers  
ADDRESS: 175 Sullivan Trail, Suite 202  
CITY: Pittsford STATE: NY ZIP: 14534  
PHONE: 385-7417 FAX: \_\_\_\_\_

COMPANY: SAVVE  
ADDRESS: \_\_\_\_\_  
CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_  
PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_

LAB PROJECT #: 121338 CLIENT PROJECT #: 4216-03  
TURNAROUND TIME: (WORKING DAYS)  
 1  2  3  5  OTHER  
STD  OTHER

PROJECT NAME/SITE NAME:  
Orchard/Winnipeg IRM  
Pitting Area I-19M  
Soil Removal

ATTN: Greg Andrus / Eric Detweiler / Jane Forbes  
COMMENTS: Email results to: Greg / Eric / Jane Forbes

REQUESTED ANALYSIS: RCRA Metals

QUOTE #: M5021111 A

DATE	TIME	COMPOSITE	G R A B	SAMPLE LOCATION/FIELD ID	M A T R I X	C O N T A M I N E N T S	REMARKS	PARADIGM LAB SAMPLE NUMBER
1/30/12	10:00	X		OW-PA-FG-2B	Soil	1	RCRA Metals	5 day TAT ASP GUTB
2	10:10	X		OW-PA-SWC-4B		1		5 day TAT w/ignition
3	10:12	X		OW-PA-SWC-4B Dup.		1		5 day TAT / EBD
4	11:10	X		OW-PA-Soil Pile 2		1		24 hr TAT Non-ASP
5	11:20	X		OW-PA-Soil Pile 3A		1		24 hr TAT ASP
6	11:25	X		OW-PA-Soil Pile 3B		1		24 hr TAT ASP
7								
8								
9								
10								

\*\*LAB USE ONLY BELOW THIS LINE\*\*

Sample Condition: Per NELAC/LAP 210/241/242/243/244

Receipt Parameter: \_\_\_\_\_  
Container Type: \_\_\_\_\_  
Preservation: NA  
Holding Time: \_\_\_\_\_  
Temperature: 15°C - variable  
Comments: for metals only

Received By: Eric Detweiler Date/Time: 3/30/12 1:56  
Relinquished By: [Signature] Date/Time: 3/30/12 1:35  
Received @ Lab By: [Signature] Date/Time: 3/30/12 1434  
Total Cost: \_\_\_\_\_



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

## Analytical Report Cover Page

### **Lu Engineers, Inc.**

For Lab Project # 12:1443

Issued April 5, 2012

This report contains a total of 3 pages

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**"Z" = See case narrative.**

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**"B" = Method blank contained trace levels of analyte. Refer to included method blank report.**



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

**LAB REPORT FOR TCLP CADMIUM ANALYSIS**

**Client:** Lu Engineers, Inc.

**Lab Project No.:** 12:1443

**Client Job Site:** Orchard/Whitney Plating Area  
IRM Soil Removal

**Sample Type:** TCLP Extract

**Client Job No.:** 4216-03

**Method:** SW846 1311/3005/6010

**Date Sampled:** 03/30/2012

**Date Received:** 04/04/2012

**Date Analyzed:** 04/05/2012

Lab Sample No.	Field ID No.	Field Location	Result (mg/L)	Regulatory Limit (mg/L)
12:1443-01	N/A	OW-PA-Soil Pile 2	0.906	1.0

ELAP ID No.:10958

Comments:

Approved By: \_\_\_\_\_

Bruce Hoogesteger, Technical Director

# PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue  
 Rochester, NY 14608  
 (585) 647-2530 • (800) 724-1997  
 FAX: (585) 647-3311

## CHAIN OF CUSTODY

12.1443 for Relog

REPORT TO:

INVOICE TO:

PROJECT NAME/SITE NAME:  
 Orchard/Anthony Farm  
 Pesticide Area Team  
 Soil Removal

COMPANY: <b>Lu Engineers</b>	COMPANY: <b>SAVES</b>	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS: <b>175 Sullivan Trail, Suite 202</b>	ADDRESS: <b>SAVES</b>	12.1838	4216-03
CITY: <b>Pittsford</b>	CITY:	TURNAROUND TIME: (WORKING DAYS)	
STATE: <b>NY</b>	STATE:	<b>502 Remarks</b>	
ZIP: <b>14534</b>	ZIP:	STD	OTHER
PHONE: <b>385-7417</b>	PHONE:	<input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/> 5	
FAX:	FAX:	QUOTE #:	
ATTN: <b>Gary Andrus / Eric Detweiler / Jane Forbes</b>	ATTN:	<b>MS021111A</b>	
COMMENTS: <b>EMAIL results to: Gary / Eric / Jane Forbes</b>	REQUESTED ANALYSIS: <b>ROCA Metals</b>		

DATE	TIME	C O M P O S I T E	G R A B	SAMPLE LOCATION/FIELD ID	M A T R I X	C O N T A M I N E N T S	REMARKS	PARADIGM LAB SAMPLE NUMBER
1/30/12	10:00	X		OW-PA-FC-2B	Soil	X	NON ASD. The first three samples for ASP logged in separately as another job. mp 3130	
2	10:10	X		OW-PA-SWC-4B		X	5 day TAT RSP GARB	
3	10:12	X		OW-PA-SWC-4B Dup.		X	5 day TAT w/legals	
4	11:10	X		OW-PA-Soil Pile 2		X	5 day TAT ESD	
5	11:20	X		OW-PA-Soil Pile 3A		X	24 hr TAT NON-01	
6	11:25	X		OW-PA-Soil Pile 3B		X	24 hr TAT RSP	
7							24 hr TAT	
8							CEC GA/SD 4-412	
9							relog SOIL Pile 2	
10							FACTORED	

\*\*LAB USE ONLY BELOW THIS LINE\*\*

Sample Condition: Per NELAC/EIAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance
Container Type:	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Preservation:	Y <input type="checkbox"/> N <input type="checkbox"/>
Holding Time:	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Temperature:	Y <input type="checkbox"/> N <input type="checkbox"/>
Comments:	15°C - N/A b/c for metals only

Eric Detweiler 3/30/12

Relinquished By: [Signature] 3/30/12 1:56

Received By: [Signature] 3/30/12 1:35

Received @ Lab By: [Signature] 3/30/12 1434

Date/Time: 3/30/12 1633

Date/Time: 4/14/12

Total Cost: [ ]

Relog NON-ASP Per history mp 414



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

## Analytical Report Cover Page

### **Lu Engineers, Inc.**

For Lab Project # 12:1378

Issued April 4, 2012

This report contains a total of 3 pages

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**"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.**

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**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

**LAB REPORT FOR TCLP CHROMIUM ANALYSIS**

**Client:** Lu Engineers

**Lab Project No.:** 12:1378

**Client Job Site:** Orchard/Whitney Plating Area  
IRM - Soil Removal

**Sample Type:** TCLP Extract

**Client Job No.:** 4216-03

**Method:** SW846 1311/3005/6010

**Date Sampled:** 03/30/2012

**Date Received:** 04/03/2012

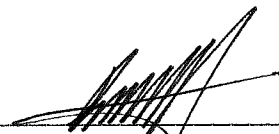
**Date Analyzed:** 04/04/2012

Lab Sample No.	Field ID No.	Field Location	Result (mg/L)	Regulatory Limit (mg/L)
12:1378-01	N/A	OW-PA-Soil Pile 3A	<0.050	5.0

ELAP ID No.: 10958

Comments:

Approved By: \_\_\_\_\_

  
Bruce Hoogesteger, Technical Director

# CHAIN OF CUSTODY

12/13/78 for Relog

# PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue  
Rochester, NY 14608  
(585) 647-2530 • (800) 724-1997  
FAX: (585) 647-3311

REPORT TO:

INVOICE TO:

PROJECT NAME/SITE NAME:  
**Orchard/Whitney Farm  
Picking Area, ILM  
Soil Removal**

COMPANY: **Lu Engineers**  
ADDRESS: **175 Sullivan Trail, Suite 202**  
CITY: **Pittsford** STATE: **NY** ZIP: **14534**  
PHONE: **385-7417** FAX:  
ATTN: **Greg Andrus/Erz Detweiler/Jane Forbes**

COMPANY: **SAVES**  
ADDRESS:  
CITY: STATE: ZIP:  
PHONE: FAX:  
ATTN:  
REQUESTED ANALYSIS: **PO, 149387**

LAB PROJECT #: **12/1338** CLIENT PROJECT #: **4216-03**  
TURNAROUND TIME: (WORKING DAYS)  
**SOE** Remarks  
STD OTHER  
QUOTE #  1  2  3  5  OTHER  
**MS02111A**

DATE	TIME	COMPOSITE	GRADES	SAMPLE LOCATION/FIELD ID	MATERIALS	CONTAMINANTS	REMARKS	PARADIGM LAB SAMPLE NUMBER
12/30/12	10:00	X		OW-PA-FC-2B	Soil	1	X	RCRA Metals
	10:10	X		OW-PA-SWC-4B		1	X	5 day TAT ASP Cont'd
	10:12	X		OW-PA-SWC-4B Dup.		1	X	5 day TAT w/Equity
	11:10	X		OW-PA-Soil Pile 2		1	X	5 day TAT EBD
	11:20	X		OW-PA-Soil Pile 3A		1	X	24 hr TAT Non-ASP
	11:25	X		OW-PA-Soil Pile 3B		1	X	24 hr TAT ASP 02011
								24 hr TAT 03
								CR6 per GH
								4/3/12 relog for (Soil Pile)
								TCRPT 10 day TAT
								relog 09.15 Soil Pile
								3A only

\*\*LAB USE ONLY BELOW THIS LINE\*\*

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter NELAC Compliance

Container Type:  Y  N

Comments: Preservation: **NA**  Y  N

Holding Time:  Y  N

Comments: Temperature: **15°C - N/A b/c**  Y  N

Comments: **for metals only**  Y  N

Erz Detweiler 3/30/12

Sampled By: **[Signature]** Date/Time: 3/30/12 1:56

Relinquished By: **[Signature]** Date/Time: 3/30/12 1:56

Received By: **[Signature]** Date/Time: 3/30/12 1434 P.I.F.

Received @ Lab By: **[Signature]** Date/Time: 4/3/12 1045 @ 5°C

Relog: **[Signature]** Date/Time: 4/3/12 1045 @ 5°C

Total Cost:



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

## Analytical Report Cover Page

### **Lu Engineers, Inc.**

For Lab Project # 12:1371

Issued April 4, 2012

This report contains a total of 3 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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**"<" = analyzed for but not detected at or above the reporting limit.**

**"E" = Result has been estimated, calibration limit exceeded.**

**"Z" = See case narrative.**

**"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.**

**"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.**

**"B" = Method blank contained trace levels of analyte. Refer to included method blank report.**



**LAB REPORT FOR RCRA METALS ANALYSIS IN SOLIDS**

**Client:** Lu Engineers, Inc.

**Lab Project No.:** 12:1371

**Client Job Site:** Orchard/Whitney Plating Area  
IRM Soil Removal

**Sample Type:** Soil  
**Method:** SW 846: 3050/6010,7471

**Client Job No.:** 4216-03

**Date(s) Sampled:** 04/02/2012  
**Date Received:** 04/02/2012  
**Date Analyzed:** 04/03-04/2012

Lab Sample No.	Field ID No.	Field Location	Ag Results (mg/kg)	As Results (mg/kg)	Ba Results (mg/kg)	Cd Results (mg/kg)	Cr Results (mg/kg)	Pb Results (mg/kg)	Se Results (mg/kg)	Hg Result (mg/kg)
12:1371-01	N/A	OW-PA-Soil Pile 4 (0-2')	< 1.10	18.9	39.8	65.4	553	51.2	< 1.10	0.0493
12:1371-02	N/A	OW-PA-Soil Pile 5 (2-4')	< 1.06	5.15	32.4	15.0	482	40.7	< 1.06	0.0218
12:1371-03	N/A	OW-PA-Soil Pile 6 (4-6')	< 1.12 M	4.56 M	36.0 M	5.01 M	257 DM	22.8 DM	< 1.12 M	0.0284

ELAP ID No.: 10958

Comments:

Approved By:   
Bruce Hoogesteger, Technical Director

# PARADIGM

## ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue  
Rochester, NY 14608  
(585) 647-2530 • (800) 724-1997  
FAX: (585) 647-3311

### CHAIN OF CUSTODY

REPORT TO:

INVOICE TO:

COMPANY: <b>Len Eng</b>	ADDRESS: <b>175 Sullivan Trail Suite 202</b>	CITY: <b>Pittsford</b>	STATE: <b>NY</b>	ZIP: <b>14534</b>
PHONE: <b>385-7417</b>	FAX:	CITY:	STATE:	ZIP:
ATTN: <b>Gary/Eriz/Tane Forbes</b>	ADDRESS: <b>STATE</b>	CITY:	STATE:	ZIP:
COMMENTS: <b>email results to Eriz/Gary/Tane F. show</b>	REQUESTED ANALYSIS: <b>P.O. 149387</b>	LAB PROJECT #: <b>12:1371</b>	CLIENT PROJECT #: <b>4216-03</b>	TURNAROUND TIME: (WORKING DAYS)
PROJECT NAME/SITE NAME: <b>Owens/Wintergreen Pitting Area</b>	DATE: <b>4/2/12</b>	QUOTE #: <b>MS021111A</b>	STD: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5	OTHER: <input type="checkbox"/>
<b>IRM - Soil Removal</b>	TIME: <b>12:45</b>			

DATE	TIME	COMMENTS	G R A B	SAMPLE LOCATION/FIELD ID	M A T R I X	C O N T A M I N A T I O N S	REMARKS	PARADIGM LAB SAMPLE NUMBER
4/2/12	12:45	X		OW-PA-Soil Pile 4 (0-2')	Soil	X	NON-ASP	01
	1:30	X		OW-PA-Soil Piles (2-4')		X	Coarse chemicals	02
	2:15	X		OW-PA-Soil Pile 6 (4-6')		X		03

\*\*LAB USE ONLY BELOW THIS LINE\*\*

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance
Container Type:	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Preservation:	N/A Y <input type="checkbox"/> N <input type="checkbox"/>
Holding Time:	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Temperature:	19°C - N/A Y <input type="checkbox"/> N <input type="checkbox"/>
Comments:	<i>bt for Metals only</i>

Sampled By: <b>Eric Detweiler</b>	Date/Time: <b>4/2/12</b>	Total Cost:
Relinquished By: <b>[Signature]</b>	Date/Time: <b>4/2/12 3:42</b>	
Received By: <b>[Signature]</b>	Date/Time: <b>4/2/12 1542</b>	
Received @ Lab By: <b>Charles A Honick</b>	Date/Time: <b>4/2/12 1655</b>	P.I.F. <input type="checkbox"/>



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ENVIRONMENTAL SERVICES, INC.

## Analytical Report Cover Page

### **Lu Engineers, Inc.**

For Lab Project # 12:1411

Issued April 5, 2012

This report contains a total of 3 pages

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**"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.**

**"B" = Method blank contained trace levels of analyte. Refer to included method blank report.**



**LABORATORY REPORT FOR TCLP RCRA METALS ANALYSIS**

**Client:** Lu Engineers, Inc.

**Lab Project No.:** 12:1411

**Client Job Site:** Orchard Whitney Plating Area  
IRM - Soil Removal

**Sample Type:** TCLP Extract  
**Method:** SW846 1311/3005/6010

**Client Job No.:** 4216-03

**Date Sampled:** 04/02/2012

**Date Received:** 04/04/2012

**Date Analyzed:** 04/05/2012

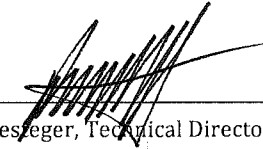
Lab Sample ID	Field ID	Field Location	As (mg/L)	Cd (mg/L)	Cr (mg/L)					
12:1411-01	N/A	OW-PA-Soil Pile 4 (0-2')	<0.100	3.02	1.02					
12:1411-02	N/A	OW-PA-Soil Pile 5 (2-4')	NR	0.349	0.677					
12:1411-03	N/A	OW-PA-Soil Pile 6 (4-6')	NR	NR	0.484					

ELAP ID No.: 10958

As (mg/L)	Cd (mg/L)	Cr (mg/L)					
5.0	1.0	5.0					

**Regulatory Limit (mg/L):**

Comments: NR - Not Requested for analysis.

**Approved By:**   
Bruce Hoogseeger, Technical Director

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# PARADIGM ENVIRONMENTAL SERVICES, INC.

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Rochester, NY 14608  
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FAX: (585) 647-3311

## CHAIN OF CUSTODY

REPORT TO:

INVOICE TO:

12/14/11 for Re-log

COMPANY: <b>Lin Eng</b>	ADDRESS: <b>175 Sullivan Trail, Suite 202</b>	CITY: <b>Pittsford</b>	STATE: <b>NY</b>	ZIP: <b>14534</b>	PHONE: <b>585-7417</b>	FAX: <b></b>
COMPANY: <b>SAWFB</b>	ADDRESS: <b></b>	CITY: <b></b>	STATE: <b></b>	ZIP: <b></b>	PHONE: <b></b>	FAX: <b></b>
ATTN: <b>Greg/Eric/Jane Forbes</b>	ATTN: <b></b>	REQUESTED ANALYSIS: <b>P.O. 149387</b>	QUOTE #: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5	LAB PROJECT #: <b>12-1871</b>	CLIENT PROJECT #: <b>4216-03</b>	TURNAROUND TIME: (WORKING DAYS)
PROJECT NAME/SITE NAME: <b>Orchard Hill/Plating Area</b>	COMMENTS: <b>Emergency results to Eric/Greg/Jane F. show</b>	REQUESTED ANALYSIS: <b>P.O. 149387</b>	QUOTE #: <b>MS021111A</b>	LAB PROJECT #:	CLIENT PROJECT #:	TURNAROUND TIME: (WORKING DAYS)

DATE	TIME	COMPOSITE	GRADES	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAMINANTS	REMARKS	PARADIGM LAB SAMPLE NUMBER
1/12/12	12:45	X		OW-PA-Soil Pile 4 (0-2')	Soil	X	NH <sub>4</sub> -ASP	01
2	1:30	X		OW-PA-Soil Piles (2-4')		X	Coarse chrvast. →	02
3	2:15	X		OW-PA-Soil Pile 6 (4-6')		X		03
4								
5								
6								
7								
8								
9								
10								

\*\*LAB USE ONLY BELOW THIS LINE\*\*

Sample Condition: Per NELAC/EIAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance
Container Type:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Preservation:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Holding Time:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Temperature:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N

Received By: <b>Eric DeBruin</b>	Date/Time: <b>4/2/12</b>	Total Cost:
Relinquished By: <b>[Signature]</b>	Date/Time: <b>4/2/12 3:42</b>	
Received By: <b>Elizabeth A Honck</b>	Date/Time: <b>4/2/12 16:55</b>	P.L.F. <input type="checkbox"/>
Received @ Lab By: <b>Regis Elizabeth A Honck</b>	Date/Time: <b>4/4/12 10:25</b>	

Attn for Materials entry





**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

## Analytical Report Cover Page

### **Lu Engineers, Inc.**

For Lab Project # 12:1428

Issued April 6, 2012

This report contains a total of 5 pages

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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**"Z" = See case narrative.**

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**"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.**

**"B" = Method blank contained trace levels of analyte. Refer to included method blank report.**




**LAB REPORT FOR FLASHPOINT ANALYSIS**

**Client:** Lu Engineers, Inc. **Lab Project No.:** 12:1428  
**Client Job Site:** Orchard/Whitney Plating Area IRM - Soil Removal **Sample Type:** Soil  
**Client Job No.:** 4216-03 **Method:** SW846 1010  
**Date Sampled:** 04/04/2012  
**Date Received:** 04/04/2012  
**Date Analyzed:** 04/04/2012

Lab Sample No.	Field ID No.	Field Location	Flashpoint Results (°C)
12:1428-02	N/A	OW-PA-Soil Pile 8B (9-13')	>70.0

ELAP ID No.:10958

Comments:

Approved By:   
 Bruce Hoogesteger, Technical Director



**LABORATORY REPORT FOR TCLP RCRA METALS ANALYSIS**

**Client:** Lu Engineers, Inc.

**Lab Project No.:** 12:1428

**Client Job Site:** Orchard/Whitney Plating Area  
IRM Soil Removal

**Sample Type:** TCLP Extract  
**Method:** SW846 1311/3005/6010,7470

**Client Job No.:** 4216-03

**Date Sampled:** 04/04/2012  
**Date Received:** 04/04/2012  
**Date Analyzed:** 04/05-06/2012

Lab Sample ID	Field ID	Field Location	Ag (mg/L)	As (mg/L)	Ba (mg/L)	Cd (mg/L)	Cr (mg/L)	Pb (mg/L)	Se (mg/L)	Hg (mg/L)
12:1428-01	N/A	OW-PA-Soil Pile 7 (6-8')	<0.050	<0.100	2.52	0.068	0.594	<0.100	<0.100	<0.0020
12:1428-02A	N/A	OW-PA-Soil Pile 8B (9-13')	<0.050	<0.100	2.58	0.114	0.764	<0.100	<0.100	<0.0020

ELAP ID No.: 10958

**Regulatory Limit (mg/L):**

Ag (mg/L)	As (mg/L)	Ba (mg/L)	Cd (mg/L)	Cr (mg/L)	Pb (mg/L)	Se (mg/L)	Hg (mg/L)
5.0	5.0	100	1.0	5.0	5.0	1.0	0.2

Comments:

Approved By: *Bruce Hoogesteger*  
Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition upon receipt.



**Volatile Analysis Report for Soils/Solids/Sludges**

**Client:** Lu Engineers, Inc.

**Client Job Site:** Orchard/Whitney Plating Area  
IRM - Soil Removal  
**Client Job Number:** 4216-03  
**Field Location:** OW-PA-Soil Pile 8B (9-13')  
**Field ID Number:** N/A  
**Sample Type:** Soil

**Lab Project Number:** 12:1428  
**Lab Sample Number:** 12:1428-02  
**Date Sampled:** 04/04/2012  
**Date Received:** 04/04/2012  
**Date Analyzed:** 04/05/2012

Halocarbons	Results in ug / Kg
Bromodichloromethane	< 113
Bromomethane	< 113
Bromoform	< 283
Carbon Tetrachloride	< 113
Chloroethane	< 113
Chloromethane	< 113
2-Chloroethyl vinyl Ether	< 565
Chloroform	< 113
Dibromochloromethane	< 113
1,1-Dichloroethane	< 113
1,2-Dichloroethane	< 113
1,1-Dichloroethene	< 113
cis-1,2-Dichloroethene	< 113
trans-1,2-Dichloroethene	< 113
1,2-Dichloropropane	< 113
cis-1,3-Dichloropropene	< 113
trans-1,3-Dichloropropene	< 113
Methylene chloride	< 283
1,1,2,2-Tetrachloroethane	< 113
Tetrachloroethene	< 113
1,1,1-Trichloroethane	< 113
1,1,2-Trichloroethane	< 113
Trichloroethene	< 113
Trichlorofluoromethane	< 113
Vinyl chloride	< 113

Aromatics	Results in ug / Kg
Benzene	< 113
Chlorobenzene	< 113
Ethylbenzene	189
Toluene	131
m,p-Xylene	2,160
o-Xylene	432
Styrene	< 283
1,2-Dichlorobenzene	< 113
1,3-Dichlorobenzene	< 113
1,4-Dichlorobenzene	< 113

Ketones	Results in ug / Kg
Acetone	< 565
2-Butanone	< 565
2-Hexanone	< 283
4-Methyl-2-pentanone	< 283

Miscellaneous	Results in ug / Kg
Carbon disulfide	< 113
Vinyl acetate	< 283

ELAP Number 10958

Method: EPA 8260B

Data File: V96003.D

Comments: ug / Kg = microgram per Kilogram

Signature: \_\_\_\_\_

Bruce Hoogesteger, Technical Director

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# PARADIGM ENVIRONMENTAL SERVICES, INC.

## CHAIN OF CUSTODY

179 Lake Avenue  
Rochester, NY 14608  
(585) 647-2530 • (800) 724-1997  
FAX: (585) 647-3311

REPORT TO: \_\_\_\_\_ INVOICE TO: \_\_\_\_\_

COMPANY: <b>Lin Eng</b>	COMPANY: _____	LAB PROJECT #: <b>12.1428</b>	CLIENT PROJECT #: <b>426-03</b>
ADDRESS: <b>175 Sullys Trail Suite 202</b>	ADDRESS: _____	TURNAROUND TIME: (WORKING DAYS)	
CITY: <b>Pittsford</b>	CITY: _____	<b>2 day for H&amp;P per STD 4/4</b>	STD <input type="checkbox"/> EAH <input type="checkbox"/> OTHER <input type="checkbox"/>
STATE: <b>NY</b>	STATE: _____		
ZIP: <b>14534</b>	ZIP: _____		
PHONE: <b>385-7417</b>	PHONE: _____		
FAX: _____	FAX: _____		

PROJECT NAME/SITE NAME:  
**Orchard/Wintering Plying Area IAN-Soil Removal**

ATTN: **Greg A / En 2-D / Jane Forbes**

COMMENTS: **email results to above names**

QUOTE #:  1  2  3  4  5

**MS02111A**

DATE	TIME	COMPOSITE	GRADES	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAMINANTS	REQUESTED ANALYSIS	REMARKS	PARADIGM LAB SAMPLE NUMBER
1/4/12	11:30			OW-PA-Soil Pile 7 (6-8')	SOIL	1	TCLP RCRA Metals TCL VOCs 8260 Flashpt	NON-ASP ↓	01
2/4/12	12:30	X		OW-PA-Soil Pile 8B (9-13')	SOIL	1	X X X	↑ Petroleum impacted	02, A
3								↓ held and remaining sample for possible additional analysis	
4									
5									
6									
7									
8									
9									
10									

\*\* LAB USE ONLY BELOW THIS LINE \*\*

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter: \_\_\_\_\_ NELAC Compliance

Container Type: \_\_\_\_\_

Preservation: **NA**

Holding Time: \_\_\_\_\_

Temperature: **11°C**

Comments: \_\_\_\_\_

Sampled By: **Eric Detweiler** Date/Time: **4/4/12**

Field Instructed By: **Eric Detweiler** Date/Time: **4/4/12 1:16**

Received By: **Mark Popper** Date/Time: **4/4/12 1316**

Received @ Lab By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Total Cost: \_\_\_\_\_

PI.F: \_\_\_\_\_



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ENVIRONMENTAL SERVICES, INC.

## Analytical Report Cover Page

### **Lu Engineers, Inc.**

For Lab Project # 12:1429

Issued April 5, 2012

This report contains a total of 3 pages

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**"Z" = See case narrative.**

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**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

**LAB REPORT FOR TCLP CHROMIUM ANALYSIS**

**Client:** Lu Engineers, Inc.

**Lab Project No.:** 12:1429

**Client Job Site:** Orchard/Whitney Plating Area  
IRM Soil Removal

**Sample Type:** TCLP Extract

**Client Job No.:** 4216-03

**Method:** SW846 1311/3005/6010

**Date Sampled:** 04/02/2012

**Date Received:** 04/04/2012


**Date Analyzed:** 04/05/2012

Lab Sample No.	Field ID No.	Field Location	Result (mg/L)	Regulatory Limit (mg/L)
12:1429-01	N/A	OW-PA-SWC-7	0.374	5.0
12:1429-02	N/A	OW-PA-FC-8	0.364	5.0

ELAP ID No.: 10958

Comments:

Approved By: \_\_\_\_\_

  
Bruce Hoogesteger, Technical Director

# PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue  
Rochester, NY 14608  
(585) 647-2330 • (800) 724-1997  
FAX: (585) 647-3311

REPORT TO:

INVOICE TO:

## CHAIN OF CUSTODY

12.1429 for Relog

COMPANY: <u>Lu Eng.</u>	COMPANY:	LAB PROJECT #: <u>12.1370</u>	CLIENT PROJECT #: <u>4216-03</u>
ADDRESS: <u>175 Sully's Trail Suite 202</u>	ADDRESS: <u>SAWF</u>	TURNAROUND TIME: (WORKING DAYS)	
CITY: <u>Pittsford</u>	CITY: <u>SAWF</u>		
STATE: <u>NY</u>	STATE: <u>NY</u>		
ZIP: <u>14534</u>	ZIP: <u>SAWF</u>		
PHONE: <u>385-7417</u>	PHONE:	QUOTE #: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5	STD <input type="checkbox"/> OTHER <input type="checkbox"/>
FAX:	FAX:	<u>P.D. 149387</u>	
PROJECT NAME/SITE NAME: <u>Overland/Whitney Plating Area</u>	ATTN: <u>ENV</u>		
Comments: <u>Iron - Soil Removal</u>	Comments: <u>Final results to Greg/Erz/Tame F.</u>		

DATE	TIME	C O M P O S I T E	G R A B	SAMPLE LOCATION/FIELD ID	M A T T R I X	C O N T A M I N E N T S	REQUESTED ANALYSIS	REMARKS	PARADIGM LAB SAMPLE NUMBER
4/2/12	11:40	X		OW-PA-SWC-7	Soil	X		ASP Cat B w/ Equis	011
4/2/12	11:50	X		OW-PA-FC-8	Soil	X		END for both samples	021

\*\*LAB USE ONLY BELOW THIS LINE\*\*

Sample Condition: Per NELAC/E LAP 210/241242/243/244

Receipt Parameter: \_\_\_\_\_ NELAC Compliance: \_\_\_\_\_

Container Type: \_\_\_\_\_

Preservation: N/A  Y  N

Holding Time: \_\_\_\_\_  Y  N

Temperature: \_\_\_\_\_  Y  N

Comments: 200C from Samples @ 1630 & 4/2/12 - N/A for Met entry.

Erz DeRecker

Relinquished By: [Signature] Date/Time: 4/2/12 3:42

Received By: [Signature] Date/Time: 4/2/12 1542

Received @ Lab By: Elizabeth A Honck Date/Time: 4/2/12 1645

PIF:

Relogged. muckspan 4/11/12 1430 @ 6°C

cooler delivered by Lu so custody seals N/A. EAH 4/2





**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

## Analytical Report Cover Page

### **Lu Engineers, Inc.**

For Lab Project # 12:1376

Issued April 5, 2012

This report contains a total of 8 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

**"<" = analyzed for but not detected at or above the reporting limit.**

**"E" = Result has been estimated, calibration limit exceeded.**

**"Z" = See case narrative.**

**"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.**

**"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.**

**"B" = Method blank contained trace levels of analyte. Refer to included method blank report.**

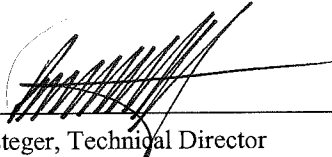


**LAB REPORT FOR SOIL/SOLID/SLUDGE pH MEASURED IN WATER**

**Client:** Lu Engineers, Inc. **Lab Project No.:** 12:1376  
**Client Job Site:** Orch/Whit Plating Area IRM-Soil Removal **Sample Type:** Soil  
**Method:** SW846 9045C  
**Client Job No.:** 4216-03 **Date Sampled:** 04/03/2012  
**Date Received:** 04/03/2012  
**Date Analyzed:** 04/03/2012

Lab Sample No.	Field ID No.	Field Location	pH Results (S.U.)
12:1376-01	N/A	OW-PA-Petrol Soil 1	8.88 @ 21.3 °C

Comments:

**Approved By:**   
Bruce Hoogesteger, Technical Director



**LAB REPORT FOR FLASHPOINT ANALYSIS**

**Client:** Lu Engineers, Inc.

**Lab Project No.:** 12:1376

**Client Job Site:** Orch/Whit Plating Area IRM-Soil Removal

**Sample Type:** Soil  
**Method:** SW846 1010

**Client Job No.:** 4216-03

**Date Sampled:** 04/03/2012  
**Date Received:** 04/03/2012  
**Date Analyzed:** 04/03/2012

Lab Sample No.	Field ID No.	Field Location	Flashpoint Results (°C)
12:1376-01		OW-PA-Petrol Soil 1	>70.0

ELAP ID No.:10958

Comments:

Approved By:   
Bruce Hoogesteger, Technical Director



**LAB REPORT FOR TCLP RCRA METALS ANALYSIS**

**Client:** Lu Engineers, Inc.

**Lab Project No.:** 12:1376

**Lab Sample No.:** 12:1376-01A

**Client Job Site:** Orch/Whit Plating Area  
IRM -Soil Removal

**Sample Type:** TCLP Extract

**Client Job No.:** 4216-03

**Date Sampled:** 04/03/2012

**Date Received:** 04/03/2012

**Field Location:** OW-PA-Petrol Soil 1

**Field ID No.:** N/A

Parameter	Date Analyzed	Analytical Method	Result (mg/L)	Regulatory Limit (mg/L)
Arsenic	04/04/2012	SW846 1311/3005/6010	<0.100	5.0
Barium	04/04/2012	SW846 1311/3005/6010	2.09	100
Cadmium	04/04/2012	SW846 1311/3005/6010	0.257	1.0
Chromium	04/04/2012	SW846 1311/3005/6010	0.928	5.0
Lead	04/04/2012	SW846 1311/3005/6010	<0.100	5.0
Mercury	04/05/2012	SW846 1311/7470	<0.0020	0.2
Selenium	04/04/2012	SW846 1311/3005/6010	<0.100	1.0
Silver	04/04/2012	SW846 1311/3005/6010	<0.050	5.0

ELAP ID No.:10958

Comments:

Approved By:   
Bruce Hoogesteger, Technical Director

**PCB Analysis Report for Soils/Solids/Sludges**

**Client:** Lu Engineers, Inc.

<b>Client Job Site:</b>	Orch/Whit Plating Area IRM- Soil Removal	<b>Lab Project Number:</b>	12:1376
<b>Client Job Number:</b>	4216-03	<b>Lab Sample Number:</b>	12:1376-01
<b>Field Location:</b>	OW-PA-Petrol Soil 1	<b>Date Sampled:</b>	04/03/2012
<b>Field ID Number:</b>	N/A	<b>Date Received:</b>	04/03/2012
<b>Sample Type:</b>	Soil	<b>Date Analyzed:</b>	04/04/2012

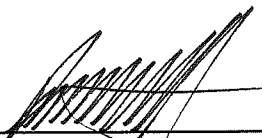
PCB Identification	Results in mg / Kg
Aroclor 1016	< 0.455
Aroclor 1221	< 0.455
Aroclor 1232	< 0.455
Aroclor 1242	< 0.455
Aroclor 1248	< 0.455
Aroclor 1254	< 0.455
Aroclor 1260	< 0.455

ELAP Number 10958

Analytical Method: EPA 8082A  
Prep Method: EPA 3550C

Comments: mg / Kg = milligram per Kilogram

Signature: \_\_\_\_\_

  
Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

### Semi-Volatile Analysis Report for Soils/Solids/Sludges (B/N Fraction)

**Client:** Lu Engineers, Inc.

<b>Client Job Site:</b> Orch/Whit Plating Area IRM- Soil Removal	<b>Lab Project Number:</b> 12:1376	<b>Lab Sample Number:</b> 12:1376-01
<b>Client Job Number:</b> 4216-03	<b>Date Sampled:</b> 04/03/2012	<b>Date Received:</b> 04/03/2012
<b>Field Location:</b> OW-PA-Petrol Soil 1	<b>Date Analyzed:</b> 04/04/2012	
<b>Field ID Number:</b> N/A		
<b>Sample Type:</b> Soil		

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	< 339	Dibenz (a,h) anthracene	< 339
Anthracene	< 339	Fluoranthene	< 339
Benzo (a) anthracene	< 339	Fluorene	< 339
Benzo (a) pyrene	< 339	Indeno (1,2,3-cd) pyrene	< 339
Benzo (b) fluoranthene	< 339	Naphthalene	< 339
Benzo (g,h,i) perylene	< 339	Phenanthrene	< 339
Benzo (k) fluoranthene	< 339	Pyrene	< 339
Chrysene	< 339	Acenaphthylene	< 339
Diethyl phthalate	< 339	1,2-Dichlorobenzene	< 339
Dimethyl phthalate	< 847	1,3-Dichlorobenzene	< 339
Butylbenzylphthalate	< 339	1,4-Dichlorobenzene	< 339
Di-n-butyl phthalate	< 339	1,2,4-Trichlorobenzene	< 339
Di-n-octylphthalate	< 339	Nitrobenzene	< 339
Bis (2-ethylhexyl) phthalate	< 339	2,4-Dinitrotoluene	< 339
2-Chloronaphthalene	< 339	2,6-Dinitrotoluene	< 339
Hexachlorobenzene	< 339	Bis (2-chloroethyl) ether	< 339
Hexachloroethane	< 339	Bis (2-chloroisopropyl) ether	< 339
Hexachlorocyclopentadiene	< 339	Bis (2-chloroethoxy) methane	< 339
Hexachlorobutadiene	< 339	4-Bromophenyl phenyl ether	< 339
N-Nitroso-di-n-propylamine	< 339	4-Chlorophenyl phenyl ether	< 339
N-Nitrosodiphenylamine	< 339	Benzidine	< 847
N-Nitrosodimethylamine	< 339	3,3'-Dichlorobenzidine	< 339
Isophorone	< 339	4-Chloroaniline	< 339
Benzyl alcohol	< 847	2-Nitroaniline	< 847
Dibenzofuran	< 339	3-Nitroaniline	< 847
2-Methylnaphthalene	< 339	4-Nitroaniline	< 847

ELAP Number 10958

Analytical Method: EPA 8270C

Data File: S62244.D

Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram

Signature:


  
 Bruce Hoogsteger, Technical Director

**Volatile Analysis Report for Soils/Solids/Sludges**

**Client:** Lu Engineers, Inc.

<b>Client Job Site:</b>	Orch/Whit Plating Area IRM- Soil Removal	<b>Lab Project Number:</b>	12:1376
<b>Client Job Number:</b>	4216-03	<b>Lab Sample Number:</b>	12:1376-01
<b>Field Location:</b>	OW-PA-Petrol Soil 1	<b>Date Sampled:</b>	04/03/2012
<b>Field ID Number:</b>	N/A	<b>Date Received:</b>	04/03/2012
<b>Sample Type:</b>	Soil	<b>Date Analyzed:</b>	04/03/2012

Halocarbons	Results in ug / Kg
Bromodichloromethane	< 7.48
Bromomethane	< 7.48
Bromoform	< 18.7
Carbon Tetrachloride	< 7.48
Chloroethane	< 7.48
Chloromethane	< 7.48
2-Chloroethyl vinyl Ether	< 37.4
Chloroform	< 7.48
Dibromochloromethane	< 7.48
1,1-Dichloroethane	< 7.48
1,2-Dichloroethane	< 7.48
1,1-Dichloroethene	< 7.48
cis-1,2-Dichloroethene	< 7.48
trans-1,2-Dichloroethene	< 7.48
1,2-Dichloropropane	< 7.48
cis-1,3-Dichloropropene	< 7.48
trans-1,3-Dichloropropene	< 7.48
Methylene chloride	< 18.7
1,1,2,2-Tetrachloroethane	< 7.48
Tetrachloroethene	< 7.48
1,1,1-Trichloroethane	< 7.48
1,1,2-Trichloroethane	< 7.48
Trichloroethene	< 7.48
Trichlorofluoromethane	< 7.48
Vinyl chloride	< 7.48

Aromatics	Results in ug / Kg
Benzene	< 7.48
Chlorobenzene	< 7.48
Ethylbenzene	< 7.48
Toluene	< 7.48
m,p-Xylene	< 7.48
o-Xylene	< 7.48
Styrene	< 18.7
1,2-Dichlorobenzene	< 7.48
1,3-Dichlorobenzene	< 7.48
1,4-Dichlorobenzene	< 7.48

Ketones	Results in ug / Kg
Acetone	< 37.4
2-Butanone	< 37.4
2-Hexanone	< 18.7
4-Methyl-2-pentanone	< 18.7

Miscellaneous	Results in ug / Kg
Carbon disulfide	< 7.48
Vinyl acetate	< 18.7

ELAP Number 10958

Method: EPA 8260B

Data File: V95907.D

Comments: ug / Kg = microgram per Kilogram

Signature: \_\_\_\_\_

Bruce Hoogesteger, Technical Director

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# PARADIGM ENVIRONMENTAL SERVICES, INC.

## CHAIN OF CUSTODY

179 Lake Avenue  
Rochester, NY 14608  
(585) 647-2530 • (800) 724-1997  
FAX: (585) 647-3311

PROJECT NAME/SITE NAME:  
*Orch/Wharf Plothing Area*  
*FMW - Soil Removed*

ATTN: *Greg Andrus / Erin Detweiler*  
COMMENTS: *email results to Greg A. / Erin D. / Jane Forbes*

REPORT TO:  
COMPANY: *Law Firm*  
ADDRESS: *175 Sullivan's Trail Suite 202*  
CITY: *Pittsford* STATE: *NY* ZIP: *14534*  
PHONE: *585-7417* FAX: \_\_\_\_\_

INVOICE TO:  
COMPANY: *SAWVE*  
ADDRESS: \_\_\_\_\_  
CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_  
PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_

LAB PROJECT #: *1211376* CLIENT PROJECT #: *4216-03*  
TURNAROUND TIME: (WORKING DAYS)  
QUOTE #: *1*  2  3  5  
STD OTHER

REQUESTED ANALYSIS

DATE/TIME: *4/3/12 9:00* X  
ANALYSIS: *Soil 2*  
RESULTS: *Total VOCs 8260 TCAP RCA Metals PCBs Flash PH 8270 BN*

DATE	TIME	COMPOSITE	GRADES	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAINER	ANALYSIS	RESULTS	REMARKS	PARADIGM LAB SAMPLE NUMBER		
4/3/12	9:00	X		OW-PA - Petrol Soil 1	Soil	2	X	X	X	X	<i>NON-ASP, hold away remaining sample for possible additional analysis</i> <i>EAH 4/13</i>	011A

\*\*LAB USE ONLY BELOW THIS LINE\*\*

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter: **NELAC Compliance**

Container Type:  Y  N

Preservation: *N/A*  Y  N

Holding Time:  Y  N

Temperature: *13°C*  Y  N

Sampled By: *Erin Detweiler* Date/Time: *4/3/12*

Relinquished By: *[Signature]* Date/Time: *4/3/12 9:53*

Received By: *Elizabeth A Honck* Date/Time: *4/3/12 10:22*

Received @ Lab By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Total Cost: \_\_\_\_\_ P.L.F. \_\_\_\_\_





**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

## Analytical Report Cover Page

### **Lu Engineers, Inc.**

For Lab Project # 12:1487

Issued April 11, 2012

This report contains a total of 5 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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**"E" = Result has been estimated, calibration limit exceeded.**

**"Z" = See case narrative.**

**"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.**

**"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.**

**"B" = Method blank contained trace levels of analyte. Refer to included method blank report.**



**LAB REPORT FOR TCLP RCRA METALS ANALYSIS**

**Client:** Lu Engineers, Inc.  
**Client Job Site:** Orchard/Whitney Plating Area  
 IRM Soil Removal  
**Client Job No.:** 4216-03  
**Field Location:** OW-PA-Crock Contents  
**Field ID No.:** N/A

**Lab Project No.:** 12:1487  
**Lab Sample No.:** 12:1487-01A  
**Sample Type:** TCLP Extract  
**Date Sampled:** 04/05/2012  
**Date Received:** 04/09/2012

Parameter	Date Analyzed	Analytical Method	Result (mg/L)	Regulatory Limit (mg/L)
Arsenic	04/10/2012	SW846 1311/3005/6010	<0.100	5.0
Barium	04/10/2012	SW846 1311/3005/6010	1.08	100
Cadmium	04/10/2012	SW846 1311/3005/6010	0.310	1.0
Chromium	04/10/2012	SW846 1311/3005/6010	0.069	5.0
Lead	04/10/2012	SW846 1311/3005/6010	<0.100	5.0
Mercury	04/11/2012	SW846 1311/7470	<0.0020	0.2
Selenium	04/10/2012	SW846 1311/3005/6010	<0.100	1.0
Silver	04/10/2012	SW846 1311/3005/6010	<0.050	5.0

ELAP ID No.:10958

Comments:

Approved By:   
 Bruce Hoogesteger, Technical Director



**PCB Analysis Report for Soils/Solids/Sludges**

**Client:** Lu Engineers, Inc.

<b>Client Job Site:</b>	Orchard / Whitney Plating Area	<b>Lab Project Number:</b>	12:1487
	IRM Soil Removal	<b>Lab Sample Number:</b>	12:1487-01
<b>Client Job Number:</b>	4216-03	<b>Date Sampled:</b>	04/05/2012
<b>Field Location:</b>	OW-PA-Crock Contents	<b>Date Received:</b>	04/09/2012
<b>Field ID Number:</b>	N/A	<b>Date Analyzed:</b>	04/10/2012
<b>Sample Type:</b>	Soil		

PCB Identification	Results in mg / Kg
Aroclor 1016	< 0.461
Aroclor 1221	< 0.461
Aroclor 1232	< 0.461
Aroclor 1242	0.733
Aroclor 1248	< 0.461
Aroclor 1254	< 0.461
Aroclor 1260	< 0.461

ELAP Number 10958

Analytical Method: EPA 8082A  
Prep Method: EPA 3550C

Comments: mg / Kg = milligram per Kilogram

Signature: \_\_\_\_\_

Bruce Hoogesteger, Technical Director

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**Volatile Analysis Report for Soils/Solids/Sludges**

**Client:** Lu Engineers, Inc.

<b>Client Job Site:</b>	Orchard / Whitney Plating Area	<b>Lab Project Number:</b>	12:1487
	IRM Soil Removal	<b>Lab Sample Number:</b>	12:1487-01
<b>Client Job Number:</b>	4216-03		
<b>Field Location:</b>	OW-PA-Crock Contents	<b>Date Sampled:</b>	04/05/2012
<b>Field ID Number:</b>	N/A	<b>Date Received:</b>	04/09/2012
<b>Sample Type:</b>	Soil	<b>Date Analyzed:</b>	04/10/2012

Halocarbons	Results in ug / Kg
Bromodichloromethane	< 8.25
Bromomethane	< 8.25
Bromoform	< 20.6
Carbon Tetrachloride	< 8.25
Chloroethane	< 8.25
Chloromethane	< 8.25
2-Chloroethyl vinyl Ether	< 41.2
Chloroform	< 8.25
Dibromochloromethane	< 8.25
1,1-Dichloroethane	< 8.25
1,2-Dichloroethane	< 8.25
1,1-Dichloroethene	< 8.25
cis-1,2-Dichloroethene	< 8.25
trans-1,2-Dichloroethene	< 8.25
1,2-Dichloropropane	< 8.25
cis-1,3-Dichloropropene	< 8.25
trans-1,3-Dichloropropene	< 8.25
Methylene chloride	< 20.6
1,1,2,2-Tetrachloroethane	< 8.25
Tetrachloroethene	< 8.25
1,1,1-Trichloroethane	< 8.25
1,1,2-Trichloroethane	< 8.25
Trichloroethene	25.0
Trichlorofluoromethane	< 8.25
Vinyl chloride	< 8.25

Aromatics	Results in ug / Kg
Benzene	< 8.25
Chlorobenzene	< 8.25
Ethylbenzene	< 8.25
Toluene	< 8.25
m,p-Xylene	< 8.25
o-Xylene	< 8.25
Styrene	< 20.6
1,2-Dichlorobenzene	< 8.25
1,3-Dichlorobenzene	< 8.25
1,4-Dichlorobenzene	< 8.25

Ketones	Results in ug / Kg
Acetone	< 41.2
2-Butanone	< 41.2
2-Hexanone	< 20.6
4-Methyl-2-pentanone	< 20.6

Miscellaneous	Results in ug / Kg
Carbon disulfide	< 8.25
Vinyl acetate	< 20.6

ELAP Number 10958

Method: EPA 8260B

Data File: V96110.D

Comments: ug / Kg = microgram per Kilogram  
Surrogate outliers indicate probable matrix interference

Signature: \_\_\_\_\_



Bruce Hoogsteger: Technical Director

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# PARADIGM ENVIRONMENTAL SERVICES, INC.

## CHAIN OF CUSTODY

179 Lake Avenue  
Rochester, NY 14608  
(585) 647-2530 • (800) 724-1997  
FAX: (585) 647-3311

PROJECT NAME/ SITE NAME: **Orchard / Liberty Parkings Area / Soil Removal**

ATTN: **Gregg / Eric / Jane F**  
COMMENTS: **email Gregg A / Eric D / Jane Forbes**

REPORT TO:

INVOICE TO:

COMPANY: <b>Lu Eng'</b>	ADDRESS: <b>175 Sullivan's Trail Suite 202</b>	CITY: <b>Pittsford</b>	STATE: <b>NY</b>	ZIP: <b>14534</b>	PHONE: <b>385-7417</b>	FAX:
COMPANY: <b>JANE</b>	ADDRESS:	CITY:	STATE:	ZIP:	PHONE:	FAX:
LAB PROJECT #: <b>12:1487</b>	CLIENT PROJECT #: <b>9216-03</b>	TURNAROUND TIME: (WORKING DAYS) <b>2 day Hg per SD 4/19.</b>				
REQUESTED ANALYSIS: <b>PO 149387</b>		QUOTE #: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <b>MSD21111A</b>				

DATE	TIME	C O M P O S I T E	G R A B	SAMPLE LOCATION/FIELD ID	M A T T R I X	C O N T A M I N E N T S	REMARKS	PARADIGM LAB SAMPLE NUMBER	
4/5/12	1:45	X		dw-pa - Crack Contents	SOIL	2	TCL VOCs 8260 TCLP RCRA Metals PCBs	* Non-AsP	01, A

\*\*LAB USE ONLY BELOW THIS LINE\*\*

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance
Container Type:	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Preservation:	N/A Y <input type="checkbox"/> N <input type="checkbox"/>
Holding Time:	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Temperature:	10°C Cooled Y <input type="checkbox"/> N <input checked="" type="checkbox"/>

Sampled By: <b>Eric DeBorja</b>	Date/Time: <b>4/5/12</b>	Total Cost:
Relinquished By: <b>Eric DeBorja</b>	Date/Time: <b>4/9/12 2:57</b>	
Received By: <b>Elizabeth A Honick</b>	Date/Time: <b>4/9/12 3:57pm</b>	P.I.F.
Received @ Lab By:	Date/Time:	



1550 Balmer Road  
Model City, NY 14107  
716-286-1550 Phone  
716-286-0326 Fax

23 April 2012

Lori Sullivan  
Stabilization  
1550 Balmer Road  
Model City, NY 14107  
RE: NY303544  
Work Order(s): 1204080

CERTIFICATES

NYSDOH LAB ID No.: 11383  
U.S. EPA LAB CODE: NY01252

Client:	Stabilization
Work Order(s):	1204080

**ANALYTICAL REPORT FOR SAMPLES**

LabSample ID	Client Sample ID	Matrix	Date Sampled	Date Received
1204080-01	81651270,73	Solid	04/17/12 08:30	04/17/12 09:45

*All Quality Control associated with these samples met EPA or laboratory specifications unless noted.*

*The enclosed analytical results are representative of the sample as received by the laboratory. CWM Chemical Services Laboratory makes no representations or certifications as to the methods of sample collection, sample identification, or transportation handling procedures used prior to our receipt of samples. This report is intended for the sole use and benefit of Waste Management and it's companies. No representation concerning significance of the reported data is made to any person or entity. To the best of my knowledge, the information contained in this report is accurate and complete. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.*

*According to Sample Collection Requirements for Non-Potable Water located in the ELAP Certification Manual, pH analysis is required within 15 minutes of sample collection. Analysis is generally not completed within 15 minutes, but as soon as possible after laboratory receipt.*

Approved By: 

Title: QA/QC Coordinator

Client: Stabilization	Project: NY303544	Sampled: 04/17/12 08:30
Work Order: 1204080	Project #: CITY OF ROCHESTER	Received: 04/17/12 09:45
Lab Sample ID: 1204080-01	Client Sample ID: 81651270,73	Solid

Analyte	Result	Notes	Reporting Limit	Units	Analyzed	Analyst	Method
<b>Metals TCLP 200.7</b>							
Silver	ND		0.0100	ug/mL	04/18/12	AAC	EPA 200.7 Rev 4.4
Arsenic	ND		0.0500	"	"	AAC	"
<b>Barium</b>	<b>0.248</b>		0.0500	"	"	AAC	"
Beryllium	ND		0.0200	"	"	AAC	"
Cadmium	ND		0.0100	"	"	AAC	"
<b>Chromium</b>	<b>0.601</b>	>UTS	0.0500	"	"	AAC	"
Nickel	ND		0.0500	"	"	AAC	"
Lead	ND		0.0500	"	"	AAC	"
Antimony	ND		0.0500	"	"	AAC	"
Selenium	ND		0.0500	"	"	AAC	"
Thallium	ND		0.0500	"	"	AAC	"
<b>Vanadium</b>	<b>0.167</b>		0.0500	"	"	AAC	"
Zinc	ND		0.0500	"	"	AAC	"



### Notes and Definitions

>UTS      Constituent concentration exceeds Universal Treatment Standard.

ND          Analyte NOT DETECTED at or above the reporting limit

dry         Sample results reported on a dry weight basis

**PLATING AREA – WASTE CHARACTERIZATION  
WATER**



## Analytical Report Cover Page

### **Lu Engineers**

For Lab Project # 11-1261

Issued April 11, 2011

This report contains a total of 6 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

**"<" = analyzed for but not detected at or above the reporting limit.**

**"E" = Result has been estimated, calibration limit exceeded.**

**"Z" = See case narrative.**

**"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.**

**"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.**

**"B" = Method blank contained trace levels of analyte. Refer to included method blank report.**



**LAB REPORT FOR pH ANALYSIS IN WATERS**

**Client:** Lu Engineers

**Lab Project No.:** 11-1261

**Client Job Site:** Orchard/Whitney IRM

**Sample Type:** Water  
**Method:** SM19 4500HB / EPA 9040

**Client Job No.:** 4216

**Date Sampled:** 04/05/2011  
**Time Sampled:** 12:00 PM  
**Date Received:** 04/05/2011  
**Time Received:** 2:50 PM  
**Date Analyzed:** 04/05/2011  
**Time Analyzed:** 4:19 PM  
**Location:** Lab

Lab Sample No.	Field ID No.	Field Location	pH Results (S.U.)
4453	N/A	OW-MW-17-WC	7.86 @ 17.5 °C

ELAP ID No.:10958

Comments:

**Approved By:** Bruce Hoogesteger  
Bruce Hoogesteger, Technical Director



**LABORATORY REPORT OF ANALYSIS**

**Client:** Lu Engineers

**Lab Project No.:** 11-1261

**Client Job Site:** Orchard / Whitney IRM

**Lab Sample No.:** 4453

**Client Job No.:** 4216

**Sample Type:** Water

**Field Location:** OW-MW-17-WC

**Date Sampled:** 4/5/2011

**Date Received:** 4/5/2011

Parameter	Date Analyzed	Analytical Method	Results (mg/L)
Total Cyanide	4/7/2011	EPA 335.4	<0.01
Hexavalent Chromium	4/6/2011	SM 3500-CR D	8.6

ELAP ID.No.: 10709

Comments:

Approved By: \_\_\_\_\_

Bruce Hoogesteger, Technical Director



**LAB REPORT FOR RCRA METALS ANALYSIS IN WATERS**

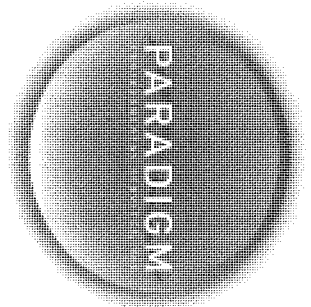
**Client:** Lu Engineers **Lab Project No.:** 11-1261  
**Client Job Site:** Orchard/Whitney Inn **Lab Sample No.:** 4453  
**Client Job No.:** 4216 **Sample Type:** Water  
**Field Location:** OW-MW-17-WC **Date Sampled:** 04/05/2011  
**Field ID No.:** N/A **Date Received:** 04/05/2011

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Arsenic	04/07/2011	SW846 6010	0.027 D
Barium	04/07/2011	SW846 6010	0.396 M
Cadmium	04/07/2011	SW846 6010	<0.005 M
Chromium	04/07/2011	SW846 6010	8.36 M
Lead	04/07/2011	SW846 6010	0.033 M
Mercury	04/08/2011	SW846 7470	<0.0002
Selenium	04/07/2011	SW846 6010	<0.010
Silver	04/07/2011	SW846 6010	<0.010

ELAP ID No.:10958

Comments:

**Approved By:** *Bruce Hoogesteger*  
Bruce Hoogesteger, Technical Director



# CHAIN OF CUSTODY

PARADIGM

REPORT TO:

INVOICE TO:

PROJECT NAME/SITE NAME:  
*ORCHARD/WHITNEY*  
*IRM*

COMPANY: *LM ENGINEERS*  
 ADDRESS: *195 SULLY'S TRAIL STE 202*  
 CITY: *PITTSFORD* STATE: *NY* ZIP: *14534*  
 PHONE: *585-385-7417* FAX: *585-385-3241*  
 ATTN: *ERIC DETWILER*

COMPANY: *Same*  
 ADDRESS: \_\_\_\_\_  
 CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_  
 PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_  
 ATTN: \_\_\_\_\_

LAB PROJECT #: *11-1261* CLIENT PROJECT #: *4216*  
 TURNAROUND TIME: (WORKING DAYS) *16 DAY*  
 1  2  3  5  OTHER  
 Quotation # *MS0211114*

COMMENTS: *EDT@LWENGINERS.COM* REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRA B	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAMINANTS	ANALYSIS	REMARKS	PARADIGM LAB SAMPLE NUMBER
<i>12/15/2011</i>	<i>12:00</i>	<input checked="" type="checkbox"/>	<i>OW</i>	<i>MW-17-WC</i>	<i>LD</i>	<i>4</i>	<i>X</i>	<i>*NON-ASP</i>	<i>4453</i>
<i>2/15/2011</i>	<i>8:55</i>	<input checked="" type="checkbox"/>	<i>OW</i>	<i>MW-17-WC-988</i>	<i>HD</i>	<i>1</i>	<i>X</i>	<i>JUST WASTE CONTACT.</i>	
<i>3/15/2011</i>	<i>8:55</i>	<input checked="" type="checkbox"/>	<i>OW</i>	<i>MW-17-WC-988</i>	<i>HD</i>	<i>1</i>	<i>X</i>		

Sample Condition: *Per NELAC/E LAP 2101241/242/243/244*

Receipt Parameter: *NELAC Compliance*

Container Type:  Y  N

Preservation:  Y  N

Comments: *TEN neg for Q1, NaOH*

Holding Time:  Y  N

Comments: *added: pH rec'd past HT*

Temperature: *60°C*  Y  N

Sampled By: *JW BECKER* Date/Time: *5 APR 2011 / 12:00*

Relinquished By: *Eric DeWiler* Date/Time: *4/5/11 12:36*

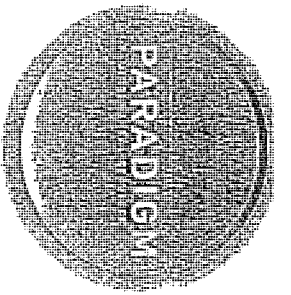
Received By: *Dianna Atwood* Date/Time: *4/5/11 14:50*

Received @ Lab By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Total Cost: \_\_\_\_\_

P.L.F.

CRIS part of the RCRA Metals list. PARADIGM LAB SAMPLE NUMBER



110406003

CHAIN OF CUSTODY

ADD 1011

REPORT TO: INVOICE TO:

COMPANY: Paradigm Environmental COMPANY: Same

ADDRESS: ADDRESS:

CITY: STATE: ZIP: CITY: STATE: ZIP:

PHONE: FAX: PHONE: FAX:

ATTN: Jane Dalioa ATTN: Meredith Dillman

LAB PROJECT #: CLIENT PROJECT #:

TURNAROUND TIME: (WORKING DAYS)

STD OTHER

1  2  3  5

PROJECT NAME/SITE NAME: COMMENTS: Please email results to khansen@paradigmenv.com and jdalioa@paradigmenv.com

REQUESTED ANALYSIS: Date Due: 4/13/11

DATE	TIME	COMPOSITE	GRAV	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAMINANTS	REMARKS	PARADIGM LAB SAMPLE NUMBER
4/5/11	1200			11-1261-4453	W	2 X hex Cr X Cyanide	Hex Cr holding time expires @ 1200 4/6.	001
2								
3								
4								
5								
6								
7								
8								
9								
10								

LAB USE ONLY: NELAC/ELAP 231024/124243/244

Sample Condition: Per NELAC/ELAP 231024/124243/244

Receipt Parameter: NELAC Compliance

Container Type: Y  N

Comments: Preservation: Y  N

Comments: Holding Time: Y  N

Comments: Temperature: 9°C Y  N

Client: Elizabeth A Honck 4/5/11 1600

Relinquished By: Federx

Received By: [Signature] Date/Time: 4-6-11 8:29 AM

Received @ Lab By: [Signature] Date/Time: [Blank]

Total Cost: P.L.F. [Blank]





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ENVIRONMENTAL SERVICES, INC.

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**LAB REPORT FOR RCRA METALS ANALYSIS IN WATER**

**Client:** Lu Engineers

**Lab Project No.:** 11-3422A

**Client Job Site:** Orchard Whitney

**Lab Sample No.:** 11138

**Client Job No.:** N/A

**Sample Type:** Water

**Field Location:** PA-01

**Date Sampled:** 08/15/2011

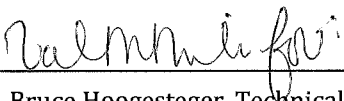
**Field ID No.:** N/A

**Date Received:** 08/15/2011

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Arsenic	08/19/2011	SW846 3005/6010	< 0.010
Barium	08/19/2011	SW846 3005/6010	< 0.100
Cadmium	08/19/2011	SW846 3005/6010	< 0.005
Chromium	08/19/2011	SW846 3005/6010	< 0.010
Lead	08/19/2011	SW846 3005/6010	< 0.010
Mercury	08/24/2011	SW846 7470	< 0.0002
Selenium	08/19/2011	SW846 3005/6010	< 0.010
Silver	08/19/2011	SW846 3005/6010	< 0.010

ELAP ID No.:10958

Comments:

Approved By:   
Bruce Hoogesteger, Technical Director



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**LAB REPORT FOR RCRA METALS ANALYSIS IN WATER**

<b>Client:</b>	<b><u>Lu Engineers</u></b>	<b>Lab Project No.:</b>	11-3422A
<b>Client Job Site:</b>	Orchard Whitney	<b>Lab Sample No.:</b>	11139
<b>Client Job No.:</b>	N/A	<b>Sample Type:</b>	Water
<b>Field Location:</b>	PA-02	<b>Date Sampled:</b>	08/15/2011
<b>Field ID No.:</b>	N/A	<b>Date Received:</b>	08/15/2011

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Arsenic	08/19/2011	SW846 3005/6010	0.0053 J
Barium	08/19/2011	SW846 3005/6010	0.0575 J
Cadmium	08/19/2011	SW846 3005/6010	< 0.005
Chromium	08/19/2011	SW846 3005/6010	0.038
Lead	08/19/2011	SW846 3005/6010	< 0.010
Mercury	08/24/2011	SW846 7470	< 0.0002
Selenium	08/19/2011	SW846 3005/6010	< 0.010
Silver	08/19/2011	SW846 3005/6010	< 0.010

ELAP ID No.:10958

Comments:

Approved By: *Bruce Hoogesteger*  
Bruce Hoogesteger, Technical Director



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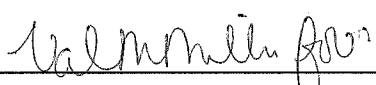
**LAB REPORT FOR RCRA METALS ANALYSIS IN WATER**

<b>Client:</b>	<b><u>Lu Engineers</u></b>	<b>Lab Project No.:</b>	11-3422A
<b>Client Job Site:</b>	Orchard Whitney	<b>Lab Sample No.:</b>	11140
<b>Client Job No.:</b>	N/A	<b>Sample Type:</b>	Water
<b>Field Location:</b>	PA-08D	<b>Date Sampled:</b>	08/15/2011
<b>Field ID No.:</b>	N/A	<b>Date Received:</b>	08/15/2011

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Arsenic	08/19/2011	SW846 3005/6010	< 0.010
Barium	08/19/2011	SW846 3005/6010	< 0.100
Cadmium	08/19/2011	SW846 3005/6010	< 0.005
Chromium	08/19/2011	SW846 3005/6010	0.017
Lead	08/19/2011	SW846 3005/6010	< 0.010
Mercury	08/24/2011	SW846 7470	< 0.0002
Selenium	08/19/2011	SW846 3005/6010	< 0.010
Silver	08/19/2011	SW846 3005/6010	< 0.010

ELAP ID No.:10958

Comments:

Approved By:   
Bruce Hoogesteger, Technical Director



**PARADIGM**  
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**LAB REPORT FOR RCRA METALS ANALYSIS IN WATER**

**Client:** Lu Engineers **Lab Project No.:** 11-3422A  
**Client Job Site:** Orchard Whitney **Lab Sample No.:** 11141  
**Client Job No.:** N/A **Sample Type:** Water  
**Field Location:** PA-03 **Date Sampled:** 08/15/2011  
**Field ID No.:** N/A **Date Received:** 08/15/2011

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Arsenic	08/19/2011	SW846 3005/6010	< 0.010
Barium	08/19/2011	SW846 3005/6010	0.0631 J
Cadmium	08/19/2011	SW846 3005/6010	< 0.005
Chromium	08/19/2011	SW846 3005/6010	< 0.010
Lead	08/19/2011	SW846 3005/6010	< 0.010
Mercury	08/24/2011	SW846 7470	< 0.0002
Selenium	08/19/2011	SW846 3005/6010	< 0.010
Silver	08/19/2011	SW846 3005/6010	< 0.010

ELAP ID No.:10958

Comments:

Approved By: Bruce Hoogesteger  
 Bruce Hoogesteger, Technical Director



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**LAB REPORT FOR RCRA METALS ANALYSIS IN WATER**

**Client:** Lu Engineers **Lab Project No.:** 11-3422A  
**Client Job Site:** Orchard Whitney **Lab Sample No.:** 11142  
**Client Job No.:** N/A **Sample Type:** Water  
**Field Location:** PA-08S **Date Sampled:** 08/15/2011  
**Field ID No.:** N/A **Date Received:** 08/15/2011

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Arsenic	08/19/2011	SW846 3005/6010	< 0.010
Barium	08/19/2011	SW846 3005/6010	< 0.100
Cadmium	08/19/2011	SW846 3005/6010	0.0032 J
Chromium	08/19/2011	SW846 3005/6010	1.19
Lead	08/19/2011	SW846 3005/6010	< 0.010
Mercury	08/24/2011	SW846 7470	< 0.0002
Selenium	08/19/2011	SW846 3005/6010	< 0.010
Silver	08/19/2011	SW846 3005/6010	< 0.010

ELAP ID No.:10958

Comments:

Approved By: Bruce Hoogesteger  
Bruce Hoogesteger, Technical Director



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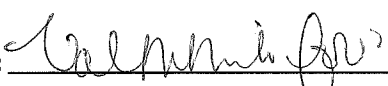
**LAB REPORT FOR RCRA METALS ANALYSIS IN WATER**

<b>Client:</b>	<b><u>Lu Engineers</u></b>	<b>Lab Project No.:</b>	11-3422A
<b>Client Job Site:</b>	Orchard Whitney	<b>Lab Sample No.:</b>	11143
<b>Client Job No.:</b>	N/A	<b>Sample Type:</b>	Water
<b>Field Location:</b>	PA-04	<b>Date Sampled:</b>	08/15/2011
<b>Field ID No.:</b>	N/A	<b>Date Received:</b>	08/15/2011

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Arsenic	08/19/2011	SW846 3005/6010	0.0082 J
Barium	08/19/2011	SW846 3005/6010	< 0.100
Cadmium	08/19/2011	SW846 3005/6010	< 0.005
Chromium	08/19/2011	SW846 3005/6010	0.183
Lead	08/19/2011	SW846 3005/6010	< 0.010
Mercury	08/24/2011	SW846 7470	< 0.0002
Selenium	08/19/2011	SW846 3005/6010	< 0.010
Silver	08/19/2011	SW846 3005/6010	< 0.010

ELAP ID No.:10958

Comments:

Approved By:   
Bruce Hoogesteger, Technical Director



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

**LAB REPORT FOR RCRA METALS ANALYSIS IN WATER**

**Client:** Lu Engineers **Lab Project No.:** 11-3422A  
**Client Job Site:** Orchard Whitney **Lab Sample No.:** 11144  
**Client Job No.:** N/A **Sample Type:** Water  
**Field Location:** PA-09 **Date Sampled:** 08/15/2011  
**Field ID No.:** N/A **Date Received:** 08/15/2011

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Arsenic	08/19/2011	SW846 3005/6010	< 0.010
Barium	08/19/2011	SW846 3005/6010	< 0.100
Cadmium	08/19/2011	SW846 3005/6010	< 0.005
Chromium	08/19/2011	SW846 3005/6010	8.03
Lead	08/19/2011	SW846 3005/6010	< 0.010
Mercury	08/24/2011	SW846 7470	< 0.0002
Selenium	08/19/2011	SW846 3005/6010	< 0.010
Silver	08/19/2011	SW846 3005/6010	< 0.010

ELAP ID No.:10958

Comments:

Approved By: Bruce Hoogesteger  
Bruce Hoogesteger, Technical Director



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

**LAB REPORT FOR RCRA METALS ANALYSIS IN WATER**

<b>Client:</b>	<b><u>Lu Engineers</u></b>	<b>Lab Project No.:</b>	11-3422A
<b>Client Job Site:</b>	Orchard Whitney	<b>Lab Sample No.:</b>	11145
<b>Client Job No.:</b>	N/A	<b>Sample Type:</b>	Water
<b>Field Location:</b>	PA-13	<b>Date Sampled:</b>	08/15/2011
<b>Field ID No.:</b>	N/A	<b>Date Received:</b>	08/15/2011

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Arsenic	08/19/2011	SW846 3005/6010	< 0.010
Barium	08/19/2011	SW846 3005/6010	< 0.100
Cadmium	08/19/2011	SW846 3005/6010	< 0.005
Chromium	08/19/2011	SW846 3005/6010	0.0152
Lead	08/19/2011	SW846 3005/6010	< 0.010
Mercury	08/24/2011	SW846 7470	< 0.0002
Selenium	08/19/2011	SW846 3005/6010	< 0.010
Silver	08/19/2011	SW846 3005/6010	< 0.010

ELAP ID No.:10958

Comments:

Approved By: *Bruce Hoogesteger*  
Bruce Hoogesteger, Technical Director





**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

**LAB REPORT FOR RCRA METALS ANALYSIS IN WATER**

<b>Client:</b>	<b><u>Lu Engineers</u></b>	<b>Lab Project No.:</b>	11-3422A
<b>Client Job Site:</b>	Orchard Whitney	<b>Lab Sample No.:</b>	11146
<b>Client Job No.:</b>	N/A	<b>Sample Type:</b>	Water
<b>Field Location:</b>	PA-12	<b>Date Sampled:</b>	08/15/2011
<b>Field ID No.:</b>	N/A	<b>Date Received:</b>	08/15/2011

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Arsenic	08/19/2011	SW846 3005/6010	< 0.010
Barium	08/19/2011	SW846 3005/6010	0.0903 J
Cadmium	08/19/2011	SW846 3005/6010	0.0093
Chromium	08/19/2011	SW846 3005/6010	0.0399
Lead	08/19/2011	SW846 3005/6010	0.0088 J
Mercury	08/24/2011	SW846 7470	< 0.0002
Selenium	08/19/2011	SW846 3005/6010	< 0.010
Silver	08/19/2011	SW846 3005/6010	< 0.010

ELAP ID No.:10958

Comments:

Approved By: *Bruce Hoogesteger*  
Bruce Hoogesteger, Technical Director



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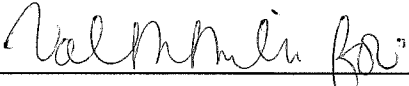
**LAB REPORT FOR RCRA METALS ANALYSIS IN WATER**

**Client:** Lu Engineers **Lab Project No.:** 11-3422A  
**Client Job Site:** Orchard Whitney **Lab Sample No.:** 11147  
**Client Job No.:** N/A **Sample Type:** Water  
**Field Location:** PA-10D **Date Sampled:** 08/15/2011  
**Field ID No.:** N/A **Date Received:** 08/15/2011

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Arsenic	08/19/2011	SW846 3005/6010	< 0.010
Barium	08/19/2011	SW846 3005/6010	< 0.100
Cadmium	08/19/2011	SW846 3005/6010	< 0.005
Chromium	08/19/2011	SW846 3005/6010	0.196
Lead	08/19/2011	SW846 3005/6010	< 0.010
Mercury	08/24/2011	SW846 7470	< 0.0002
Selenium	08/19/2011	SW846 3005/6010	< 0.010
Silver	08/19/2011	SW846 3005/6010	< 0.010

ELAP ID No.:10958

Comments:

Approved By:   
Bruce Hoogesteger, Technical Director



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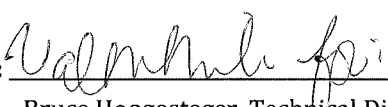
**LAB REPORT FOR RCRA METALS ANALYSIS IN WATER**

**Client:** Lu Engineers **Lab Project No.:** 11-3422A  
**Client Job Site:** Orchard Whitney **Lab Sample No.:** 11148  
**Client Job No.:** N/A **Sample Type:** Water  
**Field Location:** PA-10S **Date Sampled:** 08/15/2011  
**Field ID No.:** N/A **Date Received:** 08/15/2011

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Arsenic	08/19/2011	SW846 3005/6010	< 0.010
Barium	08/19/2011	SW846 3005/6010	< 0.100
Cadmium	08/19/2011	SW846 3005/6010	0.0071
Chromium	08/22/2011	SW846 3005/6010	23.5
Lead	08/19/2011	SW846 3005/6010	< 0.010
Mercury	08/24/2011	SW846 7470	< 0.0002
Selenium	08/19/2011	SW846 3005/6010	< 0.010
Silver	08/19/2011	SW846 3005/6010	< 0.010

ELAP ID No.:10958

Comments:

Approved By:   
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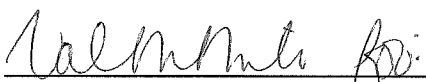
**LAB REPORT FOR RCRA METALS ANALYSIS IN WATER**

**Client:** Lu Engineers **Lab Project No.:** 11-3422A  
**Client Job Site:** Orchard Whitney **Lab Sample No.:** 11149  
**Client Job No.:** N/A **Sample Type:** Water  
**Field Location:** PA-15D **Date Sampled:** 08/15/2011  
**Field ID No.:** N/A **Date Received:** 08/15/2011

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Arsenic	08/22/2011	SW846 3005/6010	< 0.010
Barium	08/22/2011	SW846 3005/6010	0.190
Cadmium	08/22/2011	SW846 3005/6010	< 0.005
Chromium	08/22/2011	SW846 3005/6010	0.137
Lead	08/22/2011	SW846 3005/6010	< 0.010
Mercury	08/24/2011	SW846 7470	< 0.0002
Selenium	08/22/2011	SW846 3005/6010	< 0.010
Silver	08/22/2011	SW846 3005/6010	< 0.010

ELAP ID No.:10958

Comments:

**Approved By:**   
Bruce Hoogesteger, Technical Director



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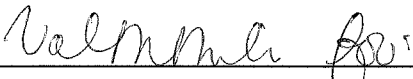
**LAB REPORT FOR RCRA METALS ANALYSIS IN WATER**

<b>Client:</b>	<b><u>Lu Engineers</u></b>	<b>Lab Project No.:</b>	11-3422A
<b>Client Job Site:</b>	Orchard Whitney	<b>Lab Sample No.:</b>	11150
<b>Client Job No.:</b>	N/A	<b>Sample Type:</b>	Water
<b>Field Location:</b>	PA-11	<b>Date Sampled:</b>	08/15/2011
<b>Field ID No.:</b>	N/A	<b>Date Received:</b>	08/15/2011

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Arsenic	08/22/2011	SW846 3005/6010	0.0065 J
Barium	08/22/2011	SW846 3005/6010	< 0.100
Cadmium	08/22/2011	SW846 3005/6010	< 0.005
Chromium	08/22/2011	SW846 3005/6010	4.77
Lead	08/22/2011	SW846 3005/6010	< 0.010
Mercury	08/24/2011	SW846 7470	< 0.0002
Selenium	08/22/2011	SW846 3005/6010	< 0.010
Silver	08/22/2011	SW846 3005/6010	< 0.010

ELAP ID No.:10958

Comments:

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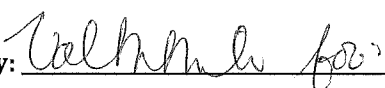
**LAB REPORT FOR RCRA METALS ANALYSIS IN WATER**

**Client:** Lu Engineers **Lab Project No.:** 11-3422A  
**Client Job Site:** Orchard Whitney **Lab Sample No.:** 11151  
**Client Job No.:** N/A **Sample Type:** Water  
**Field Location:** PA-15S **Date Sampled:** 08/15/2011  
**Field ID No.:** N/A **Date Received:** 08/15/2011

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Arsenic	08/22/2011	SW846 3005/6010	0.0064 J
Barium	08/22/2011	SW846 3005/6010	0.0653 J
Cadmium	08/22/2011	SW846 3005/6010	< 0.005
Chromium	08/22/2011	SW846 3005/6010	0.0659
Lead	08/22/2011	SW846 3005/6010	< 0.010
Mercury	08/24/2011	SW846 7470	< 0.0002
Selenium	08/22/2011	SW846 3005/6010	< 0.010
Silver	08/22/2011	SW846 3005/6010	< 0.010

ELAP ID No.:10958

Comments:

Approved By:   
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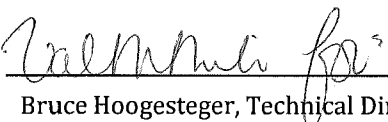
**LAB REPORT FOR RCRA METALS ANALYSIS IN WATER**

<b>Client:</b>	<b><u>Lu Engineers</u></b>	<b>Lab Project No.:</b>	11-3422A
<b>Client Job Site:</b>	Orchard Whitney	<b>Lab Sample No.:</b>	11152
<b>Client Job No.:</b>	N/A	<b>Sample Type:</b>	Water
<b>Field Location:</b>	PA-07	<b>Date Sampled:</b>	08/15/2011
<b>Field ID No.:</b>	N/A	<b>Date Received:</b>	08/15/2011

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Arsenic	08/22/2011	SW846 3005/6010	< 0.010
Barium	08/22/2011	SW846 3005/6010	< 0.100
Cadmium	08/22/2011	SW846 3005/6010	< 0.005
Chromium	08/22/2011	SW846 3005/6010	0.238
Lead	08/22/2011	SW846 3005/6010	< 0.010
Mercury	08/24/2011	SW846 7470	< 0.0002
Selenium	08/22/2011	SW846 3005/6010	< 0.010
Silver	08/22/2011	SW846 3005/6010	< 0.010

ELAP ID No.:10958

Comments:

Approved By:   
Bruce Hoogesteger, Technical Director



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

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**LAB REPORT FOR RCRA METALS ANALYSIS IN WATER**

**Client:** Lu Engineers **Lab Project No.:** 11-3422A  
**Client Job Site:** Orchard Whitney **Lab Sample No.:** 11153  
**Client Job No.:** N/A **Sample Type:** Water  
**Field Location:** PA-14 **Date Sampled:** 08/15/2011  
**Field ID No.:** N/A **Date Received:** 08/15/2011

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Arsenic	08/22/2011	SW846 3005/6010	< 0.010
Barium	08/22/2011	SW846 3005/6010	0.136
Cadmium	08/22/2011	SW846 3005/6010	< 0.005
Chromium	08/23/2011	SW846 3005/6010	16.6
Lead	08/22/2011	SW846 3005/6010	< 0.010
Mercury	08/24/2011	SW846 7470	0.0001 J
Selenium	08/22/2011	SW846 3005/6010	< 0.010
Silver	08/22/2011	SW846 3005/6010	< 0.010

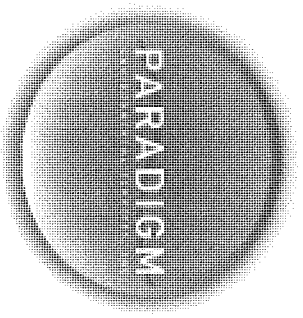
ELAP ID No.:10958

Comments:

Approved By: *Bruce Hoogesteger*  
 Bruce Hoogesteger, Technical Director



# CHAIN OF CUSTODY



PARADIGM

REPORT TO: **LY ENGINEERS**  
INVOICE TO: **Same**

PROJECT NAME/SITE NAME: **ORCHARD WITNEY**

COMPANY: **LY ENGINEERS**  
ADDRESS: **175 SULLYS TRAIL**  
CITY: **PITTSFORD** STATE: **NY** ZIP: **14850**  
PHONE: **385-3417** FAX: **385-3417**  
ATTN: **MARK ANDREAS OR BIC DETWILER**

COMPANY: **Same**  
ADDRESS: **Same**  
CITY: **Same** STATE: **Same** ZIP: **Same**  
PHONE: **Same** FAX: **Same**  
ATTN: **Same**

LAB PROJECT #: **113422A** CLIENT PROJECT #:  
TURNAROUND TIME: (WORKING DAYS) **per quote**  
STD  1  2  3  5  
OTHER  10  
Quotation # **M5021111A**

DATE	TIME	COMPOSITE	GRADES	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAMINANTS	REQUESTED ANALYSIS	REMARKS	PARADIGM LAB SAMPLE NUMBER
8/15	1614	X	PA-01	MATRIX WASTELAND	INDEX	+ RCRA METALS			11138
	1637		PA-02						11139
	1115		PA-03						11140
	1135		PA-03						11141
	1200		PA-085						11142
	1235		PA-04						11143
	1249		PA-09						11144
	1430		PA-13						11145
	1432		PA-12						11146
	1452		PA-10D						11147

Sample Condition: Per NELAC/ELAP 210/241/242/243/244  
Receipt Parameter: **NELAC Compliance**  
Container Type: Y  N   
Preservation: Y  N   
Holding Time: Y  N   
Temperature: Y  N   
Comments: **6°C cooled @ 1750 8/15. from temp blank - N/A for metals only**

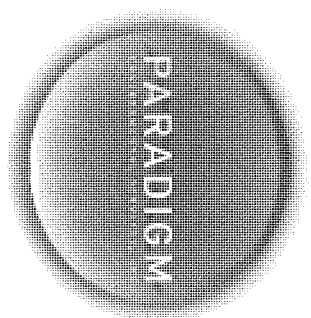
Received By: **John Becker** Date/Time: **8-15-11 17:05** P.I.F.   
Relinquished By: **James H. Meyer** Date/Time: **8/15/11**  
Total Cost: **EAH 8/15**

Received @ Lab By: **Elizabeth A. Honick** Date/Time: **8/15/11 18:00**  
Relinquished @ Lab By: **Elizabeth A. Honick** Date/Time: **8/15/11 18:00**

metals only

10/2

# CHAIN OF CUSTODY



PARADIGM

**REPORT TO:**

**INVOICE TO:**

COMPANY: <b>W BUILDERS</b>	COMPANY: <b>Same</b>	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS: <b>135 SULLYS TRAIL</b>	ADDRESS:	<b>11.3422A</b>	
CITY: <b>PITTSFORD</b>	CITY: <b>NY</b>	STATE:	ZIP:
PHONE: <b>385-7419</b>	PHONE:	STATE:	ZIP:
FAX:	FAX:	TURNAROUND TIME: (WORKING DAYS)	
ATTN: <b>ALG ANDRUS OR BIL DENVERLE</b>	ATTN:	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/> 5	STD OTHER

PROJECT NAME/SITE NAME: **ORCHARD WATNEY**  
 COMMENTS: **CRAT B per GA 8-5-11g**

**REQUESTED ANALYSIS**

DATE	TIME	COMPOSITE	GRA B	SAMPLE LOCATION/FIELD ID	MATRIX	RCRA METALS	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	8/15	1512	X	PA-105	HANDS	X		11148
2		1537		PA-15D				11149
3		1557		PA-11				11150
4		1630		PA-15S				11151
5		1640		PA-07				11152
6		1457		PA-14				11153
7				TEMP BLANK				
8				temp blk used				
9				for temp at receipt.				
10				EAH 8/15				

**\*\*LAB USE ONLY BELOW THIS LINE\*\***

Sample Condition: Per NELAC/EIAP 210/241/242/243/244

Receipt Parameter **NELAC Compliance**

Container Type:  Y  N

Preservation:  Y  N

Holding Time:  Y  N

Temperature:  Y  N

Comments: **6°Ciced @ 1750 8/15 - from temp blk - N/A for metals only**

Sampled By: **JOHN BECKER** Date/Time: **15 AUG 2011**

Relinquished By: **James Gregor** Date/Time: **8/15/11**

Received By: **[Signature]** Date/Time: **8-15-11 17:05**

Received @ Lab By: **[Signature]** Date/Time: **8-15-11 17:05**

Rec'd at Lab: **Elizabeth A Honan 8/15/11 1800**

Total Cost:

P.I.F.

**CHIMNEY BASE – WASTE CHARACTERIZATION  
SAMPLES**

**Upstate Laboratories, Inc.**

Date: 23-Oct-06

CLIENT: Lu Engineers  
 Lab Order: U0610398  
 Project: 4216 Orchard/Whitney  
 Lab ID: U0610398-001

Client Sample ID: OW-C4-SED-01  
 Collection Date: 10/16/06 12:30:00 PM  
 Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>MERCURY, TCLP LEACHED</b>		<b>SW7470</b>		<b>(E245.2)</b>		Analyst: EA
Mercury	0.0019	0.0004		mg/L	1	10/23/06 1:41:29 PM
<b>ICP METALS, TCLP LEACHED</b>		<b>SW1311/6010A</b>		<b>(E200.7)</b>		Analyst: EA
Arsenic	32	0.50		mg/L	1	10/23/06 10:34:47 AM
Barium	ND	0.30		mg/L	1	10/23/06 10:34:47 AM
Cadmium	0.034	0.005		mg/L	1	10/23/06 10:34:47 AM
Chromium	0.45	0.050		mg/L	1	10/23/06 10:34:47 AM
Lead	0.50	0.10		mg/L	1	10/23/06 10:34:47 AM
Selenium	0.52	0.50		mg/L	1	10/23/06 10:34:47 AM
Silver	ND	0.050		mg/L	1	10/23/06 10:34:47 AM

Approved By: PFFDate: 10-23-06

Page 1 of 1

Qualifiers: \* Low Level  
 B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit

\*\* Value exceeds Maximum Contaminant Value  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits

**Upstate Laboratories, Inc.**

Date: 19-Sep-06

**CLIENT:** Lu Engineers  
**Lab Order:** U0609033  
**Project:** 4216 Orchard/Whitney  
**Lab ID:** U0609033-033

**Client Sample ID:** OW-BW-BA-01  
**Collection Date:** 9/1/06  
**Matrix:** SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>MERCURY, TCLP LEACHED</b>						
		<b>SW7470</b>		<b>(E245.2)</b>		Analyst: MJ
Mercury	ND	0.0004		mg/L	1	9/18/06 3:40:57 PM
<b>ICP METALS, TCLP LEACHED</b>						
		<b>SW1311/6010A</b>		<b>(E200.7)</b>		Analyst: EA
Arsenic	4.7	0.50		mg/L	1	9/18/06 12:50:01 PM
Barium	ND	0.30		mg/L	1	9/18/06 12:50:01 PM
Cadmium	0.040	0.005		mg/L	1	9/18/06 12:50:01 PM
Chromium	0.078	0.050		mg/L	1	9/18/06 12:50:01 PM
Lead	0.32	0.10		mg/L	1	9/18/06 12:50:01 PM
Selenium	ND	0.50		mg/L	1	9/18/06 12:50:01 PM
Silver	ND	0.050		mg/L	1	9/18/06 12:50:01 PM
<b>SOIL AND SOLID METALS BY ICP</b>						
		<b>SW6010B</b>		<b>(SW3050A)</b>		Analyst: LJ
Arsenic*	860	1.1		mg/Kg-dry	1	9/14/06 1:05:23 PM
Barium	250	32		mg/Kg-dry	1	9/14/06 1:05:23 PM
Cadmium	5.6	0.53		mg/Kg-dry	1	9/14/06 1:05:23 PM
Chromium	78	5.3		mg/Kg-dry	1	9/14/06 1:05:23 PM
Lead	99	11		mg/Kg-dry	1	9/14/06 1:05:23 PM
Selenium*	7.8	0.53		mg/Kg-dry	1	9/14/06 1:05:23 PM
Silver	ND	5.3		mg/Kg-dry	1	9/14/06 1:05:23 PM
<b>TOTAL MERCURY - SOIL/SOLID/WASTE</b>						
		<b>SW7471A</b>		<b>(SW7471A)</b>		Analyst: EA
Mercury	2.79	0.211		mg/Kg-dry	1	9/12/06 2:59:01 PM
<b>PERCENT MOISTURE</b>						
		<b>D2216</b>				Analyst: MG
Percent Moisture	5.16	0.00100		wt%	1	9/5/06

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_

Page 33 of 37

**Qualifiers:**

- \* Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

- \*\* Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

**Upstate Laboratories, Inc.**

Date: 19-Sep-06

CLIENT: Lu Engineers  
 Lab Order: U0609033  
 Project: 4216 Orchard/Whitney  
 Lab ID: U0609033-032

Client Sample ID: OW-BW-HD-01  
 Collection Date: 9/1/06  
 Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
<b>MERCURY, TCLP LEACHED</b>						
		<b>SW7470</b>		<b>(E245.2)</b>		Analyst: MJ
Mercury	0.0008	0.0004		mg/L	1	9/18/06 3:39:59 PM
<b>ICP METALS, TCLP LEACHED</b>						
		<b>SW1311/6010A</b>		<b>(E200.7)</b>		Analyst: EA
Arsenic	47	0.50		mg/L	1	9/18/06 1:35:24 PM
Barium	ND	0.30		mg/L	1	9/18/06 1:35:24 PM
Cadmium	0.12	0.005		mg/L	1	9/18/06 1:35:24 PM
Chromium	0.92	0.050		mg/L	1	9/18/06 1:35:24 PM
Lead	0.27	0.10		mg/L	1	9/18/06 1:35:24 PM
Selenium	1.3	0.50		mg/L	1	9/18/06 1:35:24 PM
Silver	ND	0.050		mg/L	1	9/18/06 1:35:24 PM
<b>SOIL AND SOLID METALS BY ICP</b>						
		<b>SW6010B</b>		<b>(SW3050A)</b>		Analyst: LJ
Arsenic*	2100	1.1		mg/Kg-dry	1	9/14/06 12:57:57 PM
Barium	370	34		mg/Kg-dry	1	9/14/06 12:57:57 PM
Cadmium	3.3	0.56		mg/Kg-dry	1	9/14/06 12:57:57 PM
Chromium	38	5.6		mg/Kg-dry	1	9/14/06 12:57:57 PM
Lead	120	11		mg/Kg-dry	1	9/14/06 12:57:57 PM
Selenium*	240	0.56		mg/Kg-dry	1	9/14/06 12:57:57 PM
Silver	ND	5.6		mg/Kg-dry	1	9/14/06 12:57:57 PM
<b>TOTAL MERCURY - SOIL/SOLID/WASTE</b>						
		<b>SW7471A</b>		<b>(SW7471A)</b>		Analyst: EA
Mercury	3.89	0.226		mg/Kg-dry	1	9/12/06 2:57:56 PM
<b>PERCENT MOISTURE</b>						
		<b>D2216</b>				Analyst: MG
Percent Moisture	11.5	0.00100		wt%	1	9/5/06

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_

Qualifiers: \* Low Level  
 B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Reporting Limit

\*\* Value exceeds Maximum Contaminant Value  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

## Analytical Report Cover Page

### **Lu Engineers, Civil & Environmental**

For Lab Project # 12:1052

Issued March 14, 2012

This report contains a total of 4 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

**"<" = analyzed for but not detected at or above the reporting limit.**

**"E" = Result has been estimated, calibration limit exceeded.**

**"Z" = See case narrative.**

**"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.**

**"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.**

**"B" = Method blank contained trace levels of analyte. Refer to included method blank report.**



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

**LAB REPORT FOR SOIL/SOLID/SLUDGE pH MEASURED IN WATER**

**Client:** Lu Engineers, Civil & Environmental

**Lab Project No.:** 12:1052

**Client Job Site:** Orchard/Whitney IRM  
Plating Area/Chimney

**Sample Type:** Solid  
**Method:** SW846 9045C

**Client Job No.:** 4216-003

**Date Sampled:** 03/09/2012  
**Date Received:** 03/09/2012  
**Date Analyzed:** 03/14/2012

Lab Sample No.	Field ID No.	Field Location	pH Results (S.U.)
12:1052-01	N/A	OW-Chimney Base Ash	8.08 @ 21.7 °C

ELAP ID No.: 10958

Comments:

**Approved By:**   
Bruce Hoogesteger, Technical Director





**LAB REPORT FOR TCLP RCRA METALS ANALYSIS**

**Client:** Lu Engineers, Civil & Environmental

**Lab Project No.:** 12:1052

**Lab Sample No.:** 12:1052-01A

**Client Job Site:** Orchard/Whitney IRM  
 Plating Area/Chimney

**Sample Type:** TCLP Extract

**Client Job No.:** 4216-003

**Date Sampled:** 03/09/2012

**Date Received:** 03/09/2012

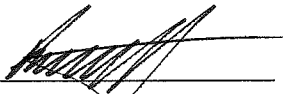
**Field Location:** OW-Chimney Base Ash

**Field ID No.:** N/A

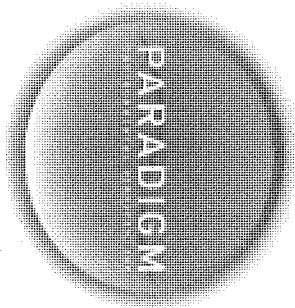
Parameter	Date Analyzed	Analytical Method	Result (mg/L)	Regulatory Limit (mg/L)
Arsenic	03/13/2012	SW846 1311/3005/6010	<0.100	5.0
Barium	03/13/2012	SW846 1311/3005/6010	1.31	100
Cadmium	03/13/2012	SW846 1311/3005/6010	<0.025	1.0
Chromium	03/13/2012	SW846 1311/3005/6010	<0.050	5.0
Lead	03/13/2012	SW846 1311/3005/6010	<0.100	5.0
Mercury	03/13/2012	SW846 1311/7470	0.0098	0.2
Selenium	03/13/2012	SW846 1311/3005/6010	<0.100	1.0
Silver	03/13/2012	SW846 1311/3005/6010	<0.050	5.0

ELAP ID No.:10958

Comments:

Approved By:   
 Bruce Hoogesteger, Technical Director

# CHAIN OF CUSTODY



PARADIGM

REPORT TO:

INVOICE TO:

COMPANY: <u>Low Engineers</u>	COMPANY: <u>Same</u>	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS: <u>175 Sullivan's Trail Suite 202</u>	ADDRESS:	<u>121052</u>	<u>4216-03</u>
CITY: <u>Rttsford</u> STATE: <u>NY</u> ZIP: <u>14534</u>	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)	
PHONE: <u>385-7417</u> FAX:	PHONE: FAX:	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 5 <input type="checkbox"/> OTHER	
ATTN: <u>Eric Detweiler/Greg Andrus</u>	ATTN:	Quotation # <u>M502111A</u>	
COMMENTS: <u>edette@lowengineers.com/gregandrus@lowengineers.com</u>			
REQUESTED ANALYSIS			

DATE	TIME	COMPOSITE	GRADES	SAMPLE LOCATION/FIELD ID	MATERIALS	CONCENTRATIONS	TESTS	REMARKS	PARADIGM LAB SAMPLE NUMBER
1 3/9/12	4:20		X	<u>on chimney base ash</u>	<u>solid</u>	<u>1</u>	<u>TCLP RCRA Metals</u> <u>pH/conductivity</u>	<u>Non-Asp</u>	<u>D11A</u>
2									
3									
4									
5									
6									
7									
8									
9									
10									

\*\*LAB USE ONLY BELOW THIS LINE\*\*

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter: NELAC Compliance

Container Type:  Y  N

Preservation: NA  Y  N

Holding Time:  Y  N

Temperature: 6°C  Y  N

Comments:

Comments:

Comments:

Comments:

Comments:

Sampled By: <u>Eric Detweiler</u>	Date/Time: <u>3/9/12</u>	Total Cost:
Relinquished By: <u>Eric Detweiler</u>	Date/Time: <u>3/9/12 4:30</u>	
Received By: <u>Jane G. Quinn</u>	Date/Time: <u>3/9/12 10:30</u>	P.I.F. <input type="checkbox"/>
Received @ Lab By: <u>M. K. Popen</u>	Date/Time: <u>3/9/12 10:43</u>	



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

## Analytical Report Cover Page

### **Lu Engineers**

For Lab Project # 11-1468

Issued May 3, 2011

This report contains a total of 31 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

**"<" = analyzed for but not detected at or above the reporting limit.**

**"E" = Result has been estimated, calibration limit exceeded.**

**"Z" = See case narrative.**

**"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.**

**"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.**

**"B" = Method blank contained trace levels of analyte. Refer to included method blank report.**




**LAB REPORT FOR FLASHPOINT ANALYSIS**

**Client:** Lu Engineers **Lab Project No.:** 11-1468  
**Client Job Site:** Orchard/Whitney RI **Sample Type:** Water  
UST Evaluation **Method:** SW846 1010  
**Client Job No.:** 4216-01 **Date Sampled:** 04/14/2011  
**Date Received:** 04/18/2011  
**Date Analyzed:** 04/28/2011

Lab Sample No.	Field ID No.	Field Location	Flashpoint Results (°C)
5031	N/A	Chimney-Water	>70.0

ELAP ID No.:10958

Comments:

Approved By:   
Bruce Hoogesteger, Technical Director



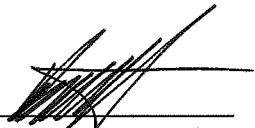
**LAB REPORT FOR METALS ANALYSIS IN WATERS**

<b>Client:</b>	<b><u>Lu Engineers</u></b>	<b>Lab Project No.:</b>	11-1468
<b>Client Job Site:</b>	Orchard/Whitney RI UST Evaluation	<b>Sample Type:</b>	Aqueous Liquid/ Ground Water
<b>Client Job No.:</b>	4216-01	<b>Method:</b>	SW846:6010,7470
		<b>Date(s) Sampled:</b>	04/14/2011
		<b>Date Received:</b>	04/18/2011
		<b>Date Analyzed:</b>	04/19-21/2011

Lab Sample No.	Field ID No.	Field Location	Silver Results (mg/L)	Arsenic Result (mg/L)	Barium Results (mg/L)	Cadmium Results (mg/L)	Chromium Results (mg/L)	Lead Results (mg/L)	Selenium Results (mg/L)	Mercury Results (mg/L)
5028	N/A	Tank 6	<0.050	0.593	1.16	0.306	0.084	14.1	<0.050	<0.0020
5031	N/A	Chimney Water	<0.010	2.96	1.850	<0.005	0.165	0.561	0.180	0.185

ELAP ID No.: 10958

Comments:

Approved By:   
Bruce Hoogesteger, Technical Director



**PCB Analysis Report for Non-potable Water**

**Client:** Lu Engineers

**Client Job Site:** Orchard/Whitney RI  
UST Evaluation

**Lab Project Number:** 11-1468  
**Lab Sample Number:** 5031

**Client Job Number:** 4216-01  
**Field Location:** Chimney - Water  
**Field ID Number:** N/A  
**Sample Type:** Water

**Date Sampled:** 04/14/2011  
**Date Received:** 04/18/2011  
**Date Analyzed:** 04/20/2011

PCB Identification	Results in ug / L
Aroclor 1016	< 1.00
Aroclor 1221	< 1.00
Aroclor 1232	< 1.00
Aroclor 1242	< 1.00
Aroclor 1248	< 1.00
Aroclor 1254	< 1.00
Aroclor 1260	< 1.00

ELAP Number 10958

Method: EPA 8082

Comments: ug / L = microgram per Liter

Signature:

Bruce Hoogestegen Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.



**Volatile Analysis Report for Non-potable Water**

**Client:** Lu Engineers

**Client Job Site:** Orchard/Whitney RI  
UST Evaluation  
**Client Job Number:** 4216-01  
**Field Location:** Chimney-Water  
**Field ID Number:** N/A  
**Sample Type:** Water

**Lab Project Number:** 11-1468  
**Lab Sample Number:** 5031  
**Date Sampled:** 04/14/2011  
**Date Received:** 04/18/2011  
**Date Analyzed:** 04/20/2011

Halocarbons	Results in ug / L
Bromodichloromethane	< 2.00
Bromomethane	< 2.00
Bromoform	< 5.00
Carbon Tetrachloride	< 2.00
Chloroethane	< 2.00
Chloromethane	< 2.00
2-Chloroethyl vinyl Ether	< 10.0
Chloroform	< 2.00
Dibromochloromethane	< 2.00
1,1-Dichloroethane	< 2.00
1,2-Dichloroethane	< 2.00
1,1-Dichloroethene	< 2.00
cis-1,2-Dichloroethene	< 2.00
trans-1,2-Dichloroethene	< 2.00
1,2-Dichloropropane	< 2.00
cis-1,3-Dichloropropene	< 2.00
trans-1,3-Dichloropropene	< 2.00
Methylene chloride	< 5.00
1,1,2,2-Tetrachloroethane	< 2.00
Tetrachloroethene	< 2.00
1,1,1-Trichloroethane	< 2.00
1,1,2-Trichloroethane	< 2.00
Trichloroethene	< 2.00
Trichlorofluoromethane	< 2.00
Vinyl chloride	< 2.00

Aromatics	Results in ug / L
Benzene	< 0.700
Chlorobenzene	< 2.00
Ethylbenzene	< 2.00
Toluene	< 2.00
m,p-Xylene	< 2.00
o-Xylene	< 2.00
Styrene	< 5.00
1,2-Dichlorobenzene	< 2.00
1,3-Dichlorobenzene	< 2.00
1,4-Dichlorobenzene	< 2.00

Ketones	Results in ug / L
Acetone	B 29.3
2-Butanone	< 10.0
2-Hexanone	< 5.00
4-Methyl-2-pentanone	< 5.00

Miscellaneous	Results in ug / L
Carbon disulfide	< 2.00
Vinyl acetate	< 5.00

ELAP Number 10958

Method: EPA 8260B

Data File: V83862.D

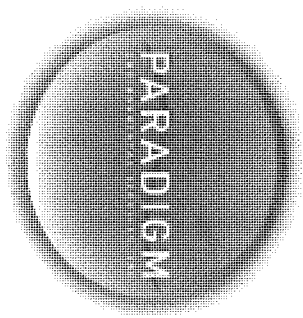
Comments: ug / L = microgram per Liter

Signature:

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

# CHAIN OF CUSTODY



PARADIGM

REPORT TO:

INVOICE TO:

PROJECT NAME/SITE NAME:  
Orchard/Wilmette RI  
UST Evaluation

COMPANY: **Lu Engineers**  
ADDRESS: **175 Sullivan's Trail Suite 202**  
CITY: **Pittsford** STATE: **NY** ZIP: **14534**  
PHONE: **385-7417** FAX: \_\_\_\_\_

COMPANY: **Same**  
ADDRESS: \_\_\_\_\_  
CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_  
PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_

LAB PROJECT #: **11-1468** CLIENT PROJECT #: **4216-01**  
TURNAROUND TIME: (WORKING DAYS)  
**\* 10 Day TAT on chimney water**  
Quotation #  1  2  3  5  
STD OTHER

ATTN: **Eric Detweiler / Greg Andrews** ATTN: **\*NON-ASP Cat B**  
COMMENTS: **email to edetweiler@luengineers.com/gregandrus@luengineers.com**  
**\* Invoice existing P.O.**

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRADES	SAMPLE LOCATION/FIELD ID	MATERIALS	CONTAMINANTS	TPH 310.13	Flashpoint	PCBs	RCA Metals	82608	REMARKS	PARADIGM LAB SAMPLE NUMBER
1 4/14/11	2:30	X		Tank 1	Non Ag liquid	X	X	X	X	X	X	petrol. odor - product	5023
2	2:40	X		Tank 2		X	X	X	X	X	X	petrol. odor - product	5024
3	2:45	X		Tank 3		X	X	X	X	X	X	petrol. odor - product	5025
4	2:50	X		Tank 4		X	X	X	X	X	X	appears to be gas & water	5026
5	2:55	X		Tank 5		X	X	X	X	X	X	mostly watery, minimal spirit odor	5027
6	3:20	X		Tank 6	Ag	X	X	X	X	X	X	appears to be water	5028
7 4/15/11	9:45	X		Tank 7	Non Ag	X	X	X	X	X	X	solvent-like odor	5029
8 4/15/11	11:00	X		Tank 8	Non Ag	X	X	X	X	X	X	solvent-like odor	5030
9 4/14/11	9:30	X		Chimney-water	water	X	X	X	X	X	X	large sludge layer, deaerated water and chimney water	5031

\*\*LAB USE ONLY BELOW THIS LINE\*\*  
 Sample Condition: Per NELAC/ELAP 210241/242/243/244  
 Receipt Parameter: \_\_\_\_\_ NELAC Compliance  
 Container Type: \_\_\_\_\_ Y  N   
 Comments: Tank 6, Chimney Water voc portion trans. to vba via at lab  
 Preservation: \_\_\_\_\_ Y  N   
 Comments: Tank 6, Chimney Water HMO3 added to metals, HCL to vocs  
 Holding Time: \_\_\_\_\_ Y  N   
 Temperature: \_\_\_\_\_ Y  N   
 Comments: \_\_\_\_\_  
 Relinquished By: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received By: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received @ Lab By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments: Tank 6, Chimney Water voc portion trans. to vba via at lab  
 Preservation: \_\_\_\_\_ Y  N   
 Comments: Tank 6, Chimney Water HMO3 added to metals, HCL to vocs  
 Holding Time: \_\_\_\_\_ Y  N   
 Temperature: \_\_\_\_\_ Y  N   
 Comments: \_\_\_\_\_  
 Relinquished By: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received By: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received @ Lab By: \_\_\_\_\_ Date/Time: \_\_\_\_\_



**AOC-3**

**Volatile Analysis Report for Soils/Solids/Sludges**

**Client:** Lu Engineers, Inc.

<b>Client Job Site:</b>	Orchard Whitney Plating Area	<b>Lab Project Number:</b>	12:1488
	IRM Soil Removal	<b>Lab Sample Number:</b>	12:1488-01
<b>Client Job Number:</b>	4216-03	<b>Date Sampled:</b>	04/04/2012
<b>Field Location:</b>	OW-Hydraulic Lift TP-4/4/12	<b>Date Received:</b>	04/09/2012
<b>Field ID Number:</b>	N/A	<b>Date Analyzed:</b>	04/13/2012
<b>Sample Type:</b>	Soil		

Compound	Results in ug / Kg
Acetone	J B 38.0
Benzene	< 8.75
Bromochloromethane	< 21.9
Bromodichloromethane	< 8.75
Bromoform	< 21.9
Bromomethane	< 8.75
2-Butanone	< 43.7
Carbon disulfide	< 8.75
Carbon Tetrachloride	< 8.75
Chlorobenzene	< 8.75
Chloroethane	< 8.75
Chloroform	< 8.75
Chloromethane	< 8.75
Cyclohexane	< 43.7
Dibromochloromethane	< 8.75
1,2-Dibromo-3-Chloropropane	< 43.7
1,2-Dibromoethane	< 8.75
1,2-Dichlorobenzene	< 8.75
1,3-Dichlorobenzene	< 8.75
1,4-Dichlorobenzene	< 8.75
Dichlorodifluoromethane	< 8.75
1,1-Dichloroethane	< 8.75
1,2-Dichloroethane	< 8.75
1,1-Dichloroethene	< 8.75
cis-1,2-Dichloroethene	< 8.75
trans-1,2-Dichloroethene	< 8.75

Compound	Results in ug / Kg
1,2-Dichloropropane	< 8.75
cis-1,3-Dichloropropene	< 8.75
trans-1,3-Dichloropropene	< 8.75
1,4-Dioxane	< 87.5
Ethylbenzene	34.9
Freon 113	< 8.75
2-Hexanone	< 21.9
Isopropylbenzene	20.3
Methyl acetate	< 8.75
Methyl tert-butyl Ether	< 8.75
Methylcyclohexane	8.85
Methylene chloride	< 21.9
4-Methyl-2-pentanone	< 21.9
Styrene	< 21.9
1,1,2,2-Tetrachloroethane	< 8.75
Tetrachloroethene	15.3
Toluene	J 5.97
1,2,3-Trichlorobenzene	< 21.9
1,2,4-Trichlorobenzene	< 21.9
1,1,1-Trichloroethane	< 8.75
1,1,2-Trichloroethane	< 8.75
Trichloroethene	J 7.44
Trichlorofluoromethane	< 8.75
Vinyl chloride	< 8.75
m,p-Xylene	69.9
o-Xylene	78.7

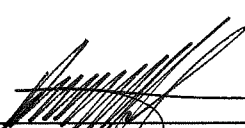
ELAP Number 10958

Method: EPA 8260B

Data File: V96196.D

Comments: ug / Kg = microgram per Kilogram

Signature: \_\_\_\_\_

  
Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.



**Volatile Analysis Report for Soils/Solids/Sludges**

**Client:** Lu Engineers, Inc.

<b>Client Job Site:</b>	Orchard Whitney Plating Area	<b>Lab Project Number:</b>	12:1488
	IRM Soil Removal	<b>Lab Sample Number:</b>	Soil LRB 04/13
<b>Client Job Number:</b>	4216-03	<b>Date Sampled:</b>	N/A
<b>Field Location:</b>	N/A	<b>Date Received:</b>	N/A
<b>Field ID Number:</b>	N/A	<b>Date Analyzed:</b>	04/13/2012
<b>Sample Type:</b>	Soil		

Compound	Results in ug / Kg
Acetone	J 12.0
Benzene	< 4.00
Bromochloromethane	< 10.0
Bromodichloromethane	< 4.00
Bromoform	< 10.0
Bromomethane	< 4.00
2-Butanone	< 20.0
Carbon disulfide	< 4.00
Carbon Tetrachloride	< 4.00
Chlorobenzene	< 4.00
Chloroethane	< 4.00
Chloroform	< 4.00
Chloromethane	< 4.00
Cyclohexane	< 20.0
Dibromochloromethane	< 4.00
1,2-Dibromo-3-Chloropropane	< 20.0
1,2-Dibromoethane	< 4.00
1,2-Dichlorobenzene	< 4.00
1,3-Dichlorobenzene	< 4.00
1,4-Dichlorobenzene	< 4.00
Dichlorodifluoromethane	< 4.00
1,1-Dichloroethane	< 4.00
1,2-Dichloroethane	< 4.00
1,1-Dichloroethene	< 4.00
cis-1,2-Dichloroethene	< 4.00
trans-1,2-Dichloroethene	< 4.00

Compound	Results in ug / Kg
1,2-Dichloropropane	< 4.00
cis-1,3-Dichloropropene	< 4.00
trans-1,3-Dichloropropene	< 4.00
1,4-Dioxane	< 40.0
Ethylbenzene	< 4.00
Freon 113	< 4.00
2-Hexanone	< 10.0
Isopropylbenzene	< 4.00
Methyl acetate	< 4.00
Methyl tert-butyl Ether	< 4.00
Methylcyclohexane	< 4.00
Methylene chloride	< 10.0
4-Methyl-2-pentanone	< 10.0
Styrene	< 10.0
1,1,2,2-Tetrachloroethane	< 4.00
Tetrachloroethene	< 4.00
Toluene	< 4.00
1,2,3-Trichlorobenzene	< 10.0
1,2,4-Trichlorobenzene	< 10.0
1,1,1-Trichloroethane	< 4.00
1,1,2-Trichloroethane	< 4.00
Trichloroethene	< 4.00
Trichlorofluoromethane	< 4.00
Vinyl chloride	< 4.00
m,p-Xylene	< 4.00
o-Xylene	< 4.00

ELAP Number 10958

Method: EPA 8260B

Data File: V96194.D

Comments: ug / Kg = microgram per Kilogram

Signature: \_\_\_\_\_

Bruce Hoogesteger: Technical Director

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# PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue  
Rochester, NY 14608  
(585) 647-2530 • (800) 724-1997  
FAX: (585) 647-3311

## CHAIN OF CUSTODY

REPORT TO:

INVOICE TO:

COMPANY: <b>Lu Eng</b>	ADDRESS: <b>175 Sully's Trail Suite 202</b>	CITY: <b>Pittsford</b>	STATE: <b>NY</b>	ZIP: _____
PHONE: <b>385-7417</b>	FAX: _____	PHONE: _____	FAX: _____	
ATTN: <b>Greg A/Erin D.</b>	ADDRESS: _____	CITY: _____	STATE: _____	ZIP: _____
COMMENTS: <b>current results to Greg A/Erin D/Joan Forbes</b>	LAB PROJECT #: <b>12:1488</b>	CLIENT PROJECT #: <b>4216-03</b>	TURNAROUND TIME: (WORKING DAYS)	
	QUOTE #: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/> 5	OTHER: <input type="checkbox"/> 10		

PROJECT NAME/SITE NAME:  
**Driveway Wash/Play Parking Area TP7A  
Soil Removal**

REQUESTED ANALYSIS: **P.O. 149387**

DATE	TIME	COMPOSITE	G R A B	SAMPLE LOCATION/FIELD ID	M A T R I X	C O N T A M I N E N T S	REMARKS	PARADIGM LAB SAMPLE NUMBER
4/4/12	11:05	X		Dr - Hydraulic Lift TP-4/4/12 Soil		TCR VOC 8260	* ASP Cut B w/ Equis EPD	Quote of SD/EOY19 EAHY19
2/9/12	3:00	X		Dr - TP7A			hold remaining sample for possible additional analysis for both samples	10 day TAT per
3								
4								
5								
6								
7								
8								
9								
10								

\*\* LAB USE ONLY BELOW THIS LINE \*\*

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance
Container Type:	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Preservation:	N/A Y <input type="checkbox"/> N <input type="checkbox"/>
Holding Time:	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Temperature:	10°C Cooled Q1613 Y <input type="checkbox"/> N <input checked="" type="checkbox"/>
Comments:	4/9/12 from samples. JE EO/SD what not compliant for temp.

Sampled By: <b>Eric Detweiler</b>	Date/Time: <b>4/9/12</b>	Total Cost:
Relinquished By: <b>Eric Detweiler</b>	Date/Time: <b>4/9/12 3:57</b>	
Received By: <b>Shawna Athona</b>	Date/Time: <b>4/9/12 3:57pm</b>	P.L.F.
Received @ Lab By:	Date/Time: <b>16:40</b>	

**Appendix F**  
**DUSRs (CD only)**

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**SUMMARY OF THE ANALYTICAL DATA VALIDATION  
Orchard Whitney Plating Area IRM**

**Soil Total Metals Analyses**

**Samples Collected: March 28th through 30th, 2012**

**Samples Received at Paradigm on March 28th through 30th, 2012**

**Sample Delivery Group: 12:1299-1324-1344**

**Laboratory Reference Numbers:**

<b>Lab Sample ID</b>	<b>Field Sample ID</b>	<b>Date Collected</b>
12:1299-01	OW-PA-Concrete	3/28/2012
12:1299-02	OW-PA-SWC-1	3/28/2012
12:1299-03	OW-PA-FC-2	3/28/2012
12:1299-04	OW-PA-FC-3	3/28/2012
12:1299-05	OW-PA-SWC-4	3/28/2012
12:1299-06	OW-PA-SOIL PILE-1A	3/28/2012
12:1299-07	OW-PA-SOIL PILE-1B	3/28/2012
12:1299-07 ICP MS	OW-PA-SOIL PILE-1B	3/28/2012
12:1299-07 ICP MD	OW-PA-SOIL PILE-1B	3/28/2012
12:1324-01	OW-PA-SWC-5	3/29/2012
12:1324-02	OW-PA-SWC-6	
12:1324-02 Hg MS	OW-PA-SWC-6	
12:1324-02 Hg MD	OW-PA-SWC-6	3/29/2012
12:1344-01	OW-PA-FC-2B	3/30/2012
12:1344-02	OW-PA-SWC-4B	3/30/2012
12:1344-03	OW-PA-SWC-4B Dup	3/30/2012

Soil samples were validated for inorganic analyses by the US EPA Region II data validation SOP (HW-2, Revision 13). Data were reviewed for usability according to the following criteria:

- \* - Holding Times
- \* - Calibration Verification
  - CRDL Standard
- \* - Laboratory Control Sample
  - Serial Dilution
- \* - Calibration Blanks
  - Field Blank
- \* - Preparation Blanks
- \* - Matrix Spike
  - Duplicate Analyses
- \* - ICP Interference Check Sample
- \* - Detection Limit Results
- \* - Linear Range
- \* - Sample Results

\* - Indicates that all criteria were met for this parameter.

### **Data Validation Summary**

A serial dilution and CRDL standards were not analyzed.

The high percent differences for the cadmium and mercury matrix duplicates should be noted. These are described in detail below.

No other problems were detected that would affect the use of the data.

### **Holding Times**

All samples were analyzed within the required holding times.

### **Initial and Continuing Calibrations**

No problems were found with any of the initial or continuing calibrations.

### **Preparation Blank**

No compounds were detected in the one preparation blank associated with the digestions of these samples at concentrations above the CRDL. Several analytes were found in the preparation blank at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table.

### **Calibration Blanks**

Several analytes were found in the continuing calibration blanks at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table and do not affect the end use of the data.

### **Field Blank**

A field blank was not collected with this sample delivery group.

### **ICP Interference Check Sample**

All of the ICP interference check standard recoveries were within the required limits.

### **Matrix Spike Recovery**

Sample 12:1299-07 / OW-PA-SOIL PILE-1B was used as the matrix spike for the ICP analysis.

Sample 12: 12:1324-02 / OW-PA-SWC-6 was used as the matrix spike for the mercury analysis.

All of the recoveries were within the 75% - 125% quality control limits used for the purpose of the data validation.

### **Duplicate Analysis**

Sample 12:1299-07 / OW-PA-SOIL PILE-1B was used as the matrix duplicate for the ICP analysis.

All percent differences were less than the 20% quality control limits used for the validation with the exception of cadmium (55%).

Sample 12:1324-02 / OW-PA-SWC-6 was used as the matrix duplicate for the mercury analysis.

The mercury percent difference was 52%.

The data for cadmium and mercury in the soil samples were flagged with the "J" qualifier and are estimated values.

The concrete sample was not qualified.

### **Laboratory Control Sample**

No problems were detected with the recoveries of the LCS standards.

### **Serial Dilutions**

A serial dilution was not analyzed.

### **Instrument Detection Limit**

No problems were found with the instrument detection limits.

### **ICP Linear Ranges**

No problems were detected with the linear ranges.

### **Sample Results**

No problems were detected with any of the data.



**DATA USABILITY SUMMARY REPORT**  
**Orchard Whitney Plating Area IRM**

**Soil Volatile Organic Analyses by Method SW846 8260B**

**Samples Collected: April 2, 2012**

**Samples Received at Paradigm on April 2, 2012**

**Sample Delivery Group: 12:1410**

**Laboratory Reference Numbers:**

<b>Lab Sample ID</b>	<b>Field Sample ID</b>
12:1410-01	OW-PA-SWC-10
12:1410-02	OW-PA-FC-11
12:1410-02 MS	OW-PA-FC-11 MS
12:1410-02 MSD	OW-PA-FC-11 MSD

Soil samples were validated for analyses of volatile organics by the US EPA Region II data validation SOP (HW-24, Revision 2, 2008). Data were reviewed for usability according to the following criteria:

- \* - Data Completeness
- \* - GC/MS Tuning
- \* - Holding Times
- Calibrations
- \* - Laboratory Blanks
- Trip Blank
- \* - Surrogate Compound Recoveries
- \* - Internal Standard Recoveries
- \* - Matrix Spike / Matrix Spike Duplicate
- \* - Laboratory Control Samples
- \* - Compound Identification
- \* - Compound Quantitation

\* - Indicates that all criteria were met for this parameter.

**DATA VALIDATION SUMMARY**

The problems calibrations should be noted. These are discussed in detail below.

## Holding Times

All samples were analyzed within 14 days of collection.

## Tunes

No problems were detected with the tunes associated with the samples of this delivery group.

## Surrogate Compound Recoveries

All surrogate compound recoveries in the two samples were within the quality assurance limits.

## Calibrations

All of the %RSDs were less than 20% with the exceptions of acetone (128%) and methylene chloride (104%).

Neither of these compounds were detected in the samples.

The data were flagged with the "R" qualifier and technically rejected since the %RSDs were greater than 90%.

All of the percent differences in the continuing calibration were less than 20% with the exceptions of acetone (64%), methylene chloride (38%) and dibromochloromethane (21%).

The data for acetone and methylene chloride were previously rejected due to their high %RSDs.

The data for dibromochloromethane were flagged with the "J" qualifier and are estimated values.

All of the relative response factors (rrfs) were greater than 0.05 with the exception of 2-butanone (0.032).

The data for 2-butanone were flagged with the "R" qualifier and technically rejected.

## Matrix Spike

The laboratory's in-house QC limits noted on their summary forms were often wider than the 70% - 130% Region 2 limits. The data were validated on the basis of the Region 2 limits.

Sample 12:1410-02 / OW-PA-FC-11 was used for the matrix spike and matrix spike duplicate.

All recoveries and RPDs were within the required limits.

Only 5 compounds were reported in the spiking solution.

**Laboratory Control Sample**

The laboratory's in-house QC limits noted on their summary forms were often wider than the 70% - 130% Region 2 limits. The data were validated on the basis of the Region 2 limits.

All of the laboratory control samples were within the 70% - 130% limits.

Only 5 compounds were reported in the laboratory control samples.

**Method Blanks**

No compounds were detected in the method blank.

**Trip Blank**

A trip blank was not analyzed with this sample delivery group.

**Internal Standard Areas and Retention Times**

The areas and retention times of all other standards were within the required quality control limits.

**Sample Results**

No problems were detected with any of the samples.

**SUMMARY OF THE ANALYTICAL DATA VALIDATION  
Orchard Whitney Plating Area IRM**

**Soil Total Metals Analyses**

**Samples Collected: April 4, 2012**

**Samples Received at Paradigm on April 4, 2012**

**Sample Delivery Group: 12:1437**

**Laboratory Reference Numbers:**

<b>Lab Sample ID</b>	<b>Field Sample ID</b>
12:1437-01	OW-PA-SWC-12
12:1437-02	OW-PA-SWC-7B (Chromium Only)
12:1437-02 MS	OW-PA-SWC-7B MS
12:1437-02 MD	OW-PA-SWC-7B MD

Soil samples were validated for inorganic analyses by the US EPA Region II data validation SOP (HW-2, Revision 13). Data were reviewed for usability according to the following criteria:

- \* - Holding Times
- \* - Calibration Verification
  - CRDL Standard
- \* - Laboratory Control Sample
  - Serial Dilution
- \* - Calibration Blanks
  - Field Blank
- \* - Preparation Blanks
  - Matrix Spike
  - Duplicate Analyses
- \* - ICP Interference Check Sample
- \* - Detection Limit Results
- \* - Linear Range
- \* - Sample Results

\* - Indicates that all criteria were met for this parameter.

**Data Validation Summary**

A serial dilution and CRDL standards were not analyzed.

The low matrix spike recovery for chromium (54%) should be noted.

No other problems were detected that would affect the use of the data.

**Holding Times**

All samples were analyzed within the required holding times.

**Initial and Continuing Calibrations**

No problems were found with any of the initial or continuing calibrations.

**Preparation Blank**

No compounds were detected in the one preparation blank associated with the digestions of these samples at concentrations above the CRDL. Several analytes were found in the preparation blank at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table.

**Calibration Blanks**

Several analytes were found in the continuing calibration blanks at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table and do not affect the end use of the data.

**Field Blank**

A field blank was not collected with this sample delivery group.

**ICP Interference Check Sample**

All of the ICP interference check standard recoveries were within the required limits.

**Matrix Spike Recovery**

Sample 12:1437-02 / OW-PA-SWC-7B was used as the matrix spike for the chromium analysis.

The recovery of 54% was less than the 75% quality control limit used for the data validation.

The chromium data were flagged with the "J" qualifier and are estimated values.

A matrix spike was not analyzed for the RCRA metals.

**Duplicate Analysis**

Sample 12:1437-02 / OW-PA-SWC-7B was used as the matrix duplicate for the chromium analysis .

All percent differences were less than the 20% quality control limits used for the validation.

A matrix duplicate was not analyzed for the RCRA metals.

**Laboratory Control Sample**

No problems were detected with the recoveries of the LCS standards.

**Serial Dilutions**

A serial dilution was not analyzed.

**Instrument Detection Limit**

No problems were found with the instrument detection limits.

**ICP Linear Ranges**

No problems were detected with the linear ranges.

**Sample Results**

No problems were detected with any of the data.

**DATA USABILITY SUMMARY REPORT  
Orchard Whitney Plating Area IRM**

**Soil Volatile Organic Analyses by Method SW846 8260B**

**Samples Collected: April 4, 2012**

**Samples Received at Paradigm on April 4, 2012**

**Sample Delivery Group: 12:1437**

**Laboratory Reference Numbers:**

**Lab Sample ID**  
12:1437-01

**Field Sample ID**  
OW-PA-SWC-12

One soil sample was validated for analyses of volatile organics by the US EPA Region II data validation SOP (HW-24, Revision 2, 2008). Data were reviewed for usability according to the following criteria:

- \* - Data Completeness
- \* - GC/MS Tuning
- \* - Holding Times
  - Calibrations
- \* - Laboratory Blanks
  - Trip Blank
- \* - Surrogate Compound Recoveries
- \* - Internal Standard Recoveries
  - Matrix Spike / Matrix Spike Duplicate
- \* - Laboratory Control Samples
- \* - Compound Identification
- \* - Compound Quantitation

\* - Indicates that all criteria were met for this parameter.

**DATA VALIDATION SUMMARY**

The problems calibrations should be noted. These are discussed in detail below.

**Holding Times**

All samples were analyzed within 14 days of collection.

**Tunes**

No problems were detected with the tunes associated with the samples of this delivery group.

**Surrogate Compound Recoveries**

All surrogate compound recoveries were within the quality assurance limits.

**Calibrations**

All of the %RSDs were less than 20% with the exceptions of acetone (128%) and methylene chloride (104%).

Neither of these compounds were detected in the samples.

The data were flagged with the "R" qualifier and technically rejected since the %RSDs were greater than 90%.

All of the percent differences in the continuing calibration were less than 20% with the exceptions of acetone (54%), bromomethane (84%), carbon tetrachloride (24%), methylene chloride (43%) and 1,1,1-trichloroethane (21%).

The data for acetone and methylene chloride were previously rejected due to their high %RSDs.

The data for the other compounds were flagged with the "J" qualifier and are estimated values.

All of the relative response factors (rrfs) were greater than 0.05 with the exception of 2-butanone (0.032).

The data for 2-butanone were flagged with the "R" qualifier and technically rejected.

**Matrix Spike**

A matrix spike was not analyzed with this sample delivery group.

**Laboratory Control Sample**

The laboratory's in-house QC limits noted on their summary forms were often wider than the 70% - 130% Region 2 limits. The data were validated on the basis of the Region 2 limits.

All of the laboratory control samples were within the 70% - 130% limits.

Only 5 compounds were reported in the laboratory control samples.



### **Method Blank**

No compounds were detected in the method blank.

### **Trip Blank**

A trip blank was not analyzed with this sample delivery group.

### **Internal Standard Areas and Retention Times**

The areas and retention times of all other standards were within the required quality control limits.

### **Sample Results**

No problems were detected with any of the samples.

**SUMMARY OF THE ANALYTICAL DATA VALIDATION  
Orchard Whitney Plating Area IRM**

**Soil Total Metals Analyses**

**Samples Collected: April 2nd & 3rd, 2012**

**Samples Received at Paradigm on April 2nd & 3rd, 2012**

**Sample Delivery Group: 12:1370-1377-1410**

**Laboratory Reference Numbers:**

<b>Lab Sample ID</b>	<b>Field Sample ID</b>	<b>Date Collected</b>
12:1370-01	OW-PA-SWC-7	4/2/2012
12:1370-02	OW-PA-FC-8	4/2/2012
12:1377-01	OW-PA-SWC-9	4/3/2012
12:1410-01	OW-PA-SWC-10	4/3/2012
12:1410-02	OW-PA-FC-11	4/3/2012
12:1410-02 MS	OW-PA-FC-11 MS	4/3/2012
12:1410-02 MD	OW-PA-FC-11 MD	4/3/2012

Soil samples were validated for inorganic analyses by the US EPA Region II data validation SOP (HW-2, Revision 13). Data were reviewed for usability according to the following criteria:

- \* - Holding Times
- \* - Calibration Verification
  - CRDL Standard
- \* - Laboratory Control Sample
  - Serial Dilution
- \* - Calibration Blanks
  - Field Blank
- \* - Preparation Blanks
- \* - Matrix Spike
- \* - Duplicate Analyses
- \* - ICP Interference Check Sample
- \* - Detection Limit Results
- \* - Linear Range
- \* - Sample Results

\* - Indicates that all criteria were met for this parameter.

**Data Validation Summary**

A serial dilution and CRDL standards were not analyzed.

No other problems were detected that would affect the use of the data.

**Holding Times**

All samples were analyzed within the required holding times.

**Initial and Continuing Calibrations**

No problems were found with any of the initial or continuing calibrations.

**Preparation Blank**

No compounds were detected in the one preparation blank associated with the digestions of these samples at concentrations above the CRDL. Several analytes were found in the preparation blank at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table.

**Calibration Blanks**

Several analytes were found in the continuing calibration blanks at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table and do not affect the end use of the data.

**Field Blank**

A field blank was not collected with this sample delivery group.

**ICP Interference Check Sample**

All of the ICP interference check standard recoveries were within the required limits.

**Matrix Spike Recovery**

Sample 12:1410-02 / OW-PA-FC-11 was used as the matrix spike.

All recoveries were within the 75% - 125% quality control limits used for the validation.

**Duplicate Analysis**

Sample 12:1410-02 / OW-PA-FC-11 was used as the matrix duplicate .

All percent differences were less than the 20% quality control limits used for the validation.

**Laboratory Control Sample**

No problems were detected with the recoveries of the LCS standards.

### **Serial Dilutions**

A serial dilution was not analyzed.

### **Instrument Detection Limit**

No problems were found with the instrument detection limits.

### **ICP Linear Ranges**

No problems were detected with the linear ranges.

### **Sample Results**

No problems were detected with any of the data.

**SUMMARY OF THE ANALYTICAL DATA VALIDATION  
Orchard Whitney Plating Area IRM**

**Soil Total Metals Analyses**

**Samples Collected: July 7th through 13th, 2011**

**Samples Received at Paradigm on July 27, 2011**

**Sample Delivery Group: 11-3106**

**Laboratory Reference Numbers:**

<b>Lab Sample ID</b>	<b>Field Sample ID</b>	<b>Date Collected</b>
10226	OW-PA05-(11-13')	7/7/2011
10227	OW-PA09-(9-11')	7/11/2011
10228	OW-PA10-(11.5-13.5')	7/11/2011
10229	OW-PA11-(9.S-11.S')	7/11/2011
10230	OW-PA12-(9-11')	7/12/2011
10231	OW-PA13-(11-12')	7/12/2011
10232	OW-PA14-(15-16')	7/13/2011
10233	OW-PA15-(11-13')	7/13/2011
10233 MS	OW-PA15-(11-13') MS	7/13/2011
10233 MD	OW-PA15-(11-13') MD	7/13/2011

Soil samples were validated for inorganic analyses by the US EPA Region II data validation SOP (HW-2, Revision 13). Data were reviewed for usability according to the following criteria:

- \* - Holding Times
- \* - Calibration Verification
  - CRDL Standard
- \* - Laboratory Control Sample
  - Serial Dilution
- \* - Calibration Blanks
  - Field Blank
- \* - Preparation Blanks
- \* - Matrix Spike
  - Duplicate Analyses
- \* - ICP Interference Check Sample
- \* - Detection Limit Results
- \* - Linear Range
- \* - Sample Results

\* - Indicates that all criteria were met for this parameter.

**Data Validation Summary**

The problem with the arsenic matrix duplicate should be noted. This is described in detail below.

A serial dilution and CRDL standards were not analyzed.

No other problems were detected that would affect the use of the data.

**Holding Times**

All samples were analyzed within the required holding times.

**Initial and Continuing Calibrations**

No problems were found with any of the initial or continuing calibrations.

**Preparation Blank**

No compounds were detected in the one preparation blank associated with the digestions of these samples at concentrations above the CRDL. Several analytes were found in the preparation blank at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table.

**Calibration Blanks**

Several analytes were found in the continuing calibration blanks at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table and do not affect the end use of the data.

**Field Blank**

A field blank was not collected with this sample delivery group.

**ICP Interference Check Sample**

All of the ICP interference check standard recoveries were within the required limits.

**Matrix Spike Recovery**

Sample 10233 / OW-PA15-(11-13') was used as the matrix spike.

All recoveries were within the 75% - 125% quality control limits used for the validation.

**Duplicate Analysis**

Sample 10233 / OW-PA15-(11-13') was used as the matrix duplicate .

All percent differences were less than the 20% quality control limit used for the validation with the one exception of arsenic (41%).

The arsenic data were flagged with the "J" qualifier and are estimated values

**Laboratory Control Sample**

No problems were detected with the recoveries of the LCS standards.

### **Serial Dilutions**

A serial dilution was not analyzed.

### **Instrument Detection Limit**

No problems were found with the instrument detection limits.

### **ICP Linear Ranges**

No problems were detected with the linear ranges.

### **Sample Results**

No problems were detected with any of the data.

**Appendix G**  
**Backfill Documentation (CD only)**

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Hanson Aggregates New York, LLC

7660 Impeller Way  
Allentown, PA 18195

TICKET NO.  
**663440**

GROSS WEIGHT  
MATERIALS

TOTAL TONS



RECEIVED BY: HANSON AGGREGATES  
DATE: 4/4/2012 TIME: 10:26 AM

HANSON AGGREGATES  
HONEYE FALLS PLANT 354  
PO BOX 151  
2049 NYS #5 RD.  
HONEYE FALLS, NY 14472  
585-624-1220

RECEIVERS INITIALS

NOT DELIVERED ONLY  
NOT RESPONSIBLE FOR  
ANY DAMAGE BEYOND  
CURB

2

CUSTOMER NUMBER: 7336124  
DATE: 4/4/2012 TIME: 10:26 AM

SALESORDER NUMBER

TRUCK # NO DESCRIPTION  
076914

DRIVER: JOSHUA

SHIP TO: RICCELLI TRUCKING INC  
C/O: CPU/ DP TECH 2012 T/E

**WEIGHTS**

SCALE	WGT	TONS TODAY	TONS TODAY
71360	22360	21.39	0.00
28500	12964		
42700	19405		
<b>TOTAL</b>	<b>21.39</b>	<b>19.40</b>	<b>19.40</b>

CASH SALE ONLY

TRUCKING INFO

TRUCK NUMBER: 076914  
PERMIT: HFBLLV

WEIGHT	PER TONS	HAULER NAME
TAX		RICCELLI ENTERPRISE
HAUL		MSW
TOTAL		

WEIGHMASTER LICENSE NUMBER

TICKET NO.  
1653440

WEIGHMASTER SIGNATURE: Colleen Stewart 240252



Hanson Aggregates New York, LLC

7660 Imperial Way  
Allentown, PA 18195

TICKET NO.  
**663441**

GROSS WEIGHT  
NONWEIGHTED

TRUCKER'S SIGNATURE

*ABJ*

SEE PRODUCT MANUAL ON REVERSE  
GIVEN APPLICABLE TO TONNAGE OF ALL MATERIALS FROM THIS TONNAGE  
INCLUDING ANY REWORKABLE AT TONNAGE'S RISK

HANSON AGGREGATES  
HONEYE FALLS PLANT 364  
PO BOX 151  
2049 HWY 9 WY RD.  
HONEYE FALLS, NY 14472  
585-624-1220

RECEIVERS INITIALS

NOTICE DELIVERY ONLY  
NOT RESPONSIBLE FOR  
ANY DAMAGE BEYOND  
CURB

CUSTOMER NUMBER 7396124  
DATE 4/4/2012  
SOLD TO RICHIELI TRUCKING INC  
ADDRESS 1000 BIRCH CREEK TWE  
COUNTY  
JOB LOC

SALES ORDER NUMBER  
TRUCKER PIN

PRODUCT NO. DESCRIPTION  
074314

DEPARTMENT

WEIGHTS  
STEEL 42.54  
GROSS 13585  
NET 19279  
TONS 21.25

TONS TODAY 42.54  
TONS TO DATE 10.00  
TONS TODAY 19.20  
TONS TO DATE 38.68

CASH SALE ONLY

TRUCKING INFO

WEIGHT

PER TONS

HAULER NAME  
RICHIELI ENTERPRISES

TOTAL

AGW 74275

WEIGHMASTER LICENSE NUMBER

1663441

# VALLEY SAND & GRAVEL

OFFICE:  
 P.O. BOX 220  
 SCOTTSVILLE, NY 14546  
 (585) 889-3078

PLANT:  
 WEST RIVER ROAD  
 SCOTTSVILLE, NY 14546  
 (585) 889-3078

①

CUSTOMER NUMBER	18920	JOB NUMBER		P.O. NUMBER		DATE	4/3/2012	
CUSTOMER NAME	RICCELLI TRUCKING INC.			DELIVER TO	OFFICE ORCHARD WATKINS			
	PO BOX 6401			TRUCK NUMBER	R712	TIME OUT	13:21	
	3 WYOMING	NY	13217					
MATERIAL CODE	3401	MATERIAL TYPE	FILL DIRT	QUANTITY ORDERED		HAUL ZONE		
GROSS	55440	METRIC TONS	17.11	QUANTITY DELIVERED		UNIT PRICE		
TARE	27800	METRIC TONS DEL. TODAY		QUANTITY REMAINING		NET PRICE		
NET	27640	METRIC QTY. DEL. TOTAL				SALES TAX		
TONS	19.82	TERMS OF SALE INCLUDE DISCLAIMER OF WARRANTY AND LIMITATION OF REMEDIES ON REVERSE SIDE.					HAUL CHARGES	
QTY. DEL./REC. TODAY		SIGNATURE X						TOTAL
LOAD NUMBER		SPECIAL INSTRUCTIONS						
TICKET NUMBER	1237602	Time Due	ON JOB	OFF JOB				
		Weightmaster: ( )						
							DRIVER	
							<i>[Signature]</i>	
							TRUCKING COPY X	

# VALLEY SAND & GRAVEL

OFFICE:  
 P.O. BOX 220  
 SCOTTSVILLE, NY 14546  
 (585) 889-3078

PLANT:  
 WEST RIVER ROAD  
 SCOTTSVILLE, NY 14546  
 (585) 889-3078

CUSTOMER NUMBER	18920	JOB NUMBER		P.O. NUMBER		DATE	4/3/2012
CUSTOMER NAME		RICCIUTI TRUCKING INC.		DELIVER TO	CUTCH ORCHARD SHUTTEY		
SYRACUSE NY		13217		TRUCK NUMBER	FT12	TIME OUT	14:49
MATERIAL CODE	3401	MATERIAL TYPE	FILL DIRT	QUANTITY ORDERED		HAUL ZONE	
GROSS	55260	METRIC TONS	17.03	QUANTITY DELIVERED		UNIT PRICE	
TARE	27800	METRIC TONS DEL TODAY		QUANTITY REMAINING		NET PRICE	
NET	37460	METRIC QTY DEL TOTAL		TERMS OF SALE INCLUDE DISCLAIMER OF WARRANTY AND LIMITATION OF REMEDIES ON REVERSE SIDE.			
TONS	18.73	SIGNATURE X _____					
QTY DEL/REC TODAY		SPECIAL INSTRUCTIONS					
LOAD NUMBER		Time Due	On Job	Off Job	DRIVER		
TICKET NUMBER	1237606	Weightmaster: ( )	TRUCKING COPY X				

2



GATES PLANT 585-235-9292  
 MANCHESTER PLANT 315-462-2782  
 PENFIELD PLANT 585-586-2587  
 WALWORTH PLANT 315-524-2771  
 AVON PLANT 585-226-6350

LEROY PLANT 585-768-7295  
 MENDON PLANT 585-624-2430  
 OGDEN PLANT 585-552-0480  
 BROCKPORT PLANT 585-637-6834

MAIN OFFICE 1150 PENFIELD RD.  
 ROCHESTER, NY 14625 585-381-7010

521355

21048930

PLANT: Stone -- Brockport/051By St. 4/4/2012 TIME: 11:54

CUSTOMER NO. CUSTOMER JOB NO.

CUSTOMER NAME: 991027 RICCETTI Trucking Inc. P.O. NUMBER

P.O. Box 6401 Syracuse NY 132170000 JOB LOCATION REFERENCE P.O. #:

PRODUCT: 00023 #1-2 BLEND COMMENTS: contact

GROSS WT LBS	70,400 LBS	Loads Today: 1	STONE	W. 001
TARE WT LBS	29,520 LBS	Qty Del Today: 20.94	SALES TAX	0.00
NET WT LBS	41,000 LBS	DELIVERY ZONE/PRICE	DELIVERY	0.00
NET WT TONS	20.94 TON	Metric: 19.00 TNE	TOTAL	0.00

\* Manual

CARRIER/TRUCK	FOB	WEIGHED BY
R17E	RICC	pat

DRIVER'S COPY

DRIVER ASSUMES RESPONSIBILITY FOR KNOWING THE PROPER LOADING AND GROSS VEHICLE WEIGHT CAPACITY OF THE VEHICLE BEING LOA

260155



MAIN OFFICE 1150 PENFIELD RD.  
 ROCHESTER, NY 14625 585-381-7010  
 GATES PLANT 585-235-9292  
 MANCHESTER PLANT 315-462-2752  
 PENFIELD PLANT 585-586-2567  
 WALWORTH PLANT 315-524-2771  
 AVON PLANT 585-226-6380  
 LEROY PLANT 585-768-7295  
 MENDON PLANT 585-624-2430  
 OGDEN PLANT 585-352-0460  
 BROOKPORT PLANT 585-637-6834

210748921

521356

4

PLANT: Stone - Brockport/101by 94.4/4/2012 11:55

CUSTOMER NO. CUSTOMER JOB NO.

CUSTOMER NAME: 991027 RICE/111 Trucking Inc. P.O. #:

PRODUCT: SYRACUSE NY 132170000 COMMENTS: P.O. NUMBER

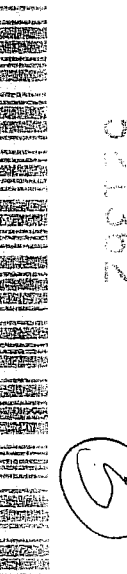
GROSS WT LBS	29,600	LOADS	100%	STONE	29,600
TARE WT LBS	29,600	LOADS	100%	SALES TAX	2,100
NET WT LBS	0	DELIVERY	42.53	DELIVERY	2,100
NET WT TONS	0	ZONE/PRICE	17.77 TNE	TOTAL	4,200

CARRIER/TRUCK	FOB	WEIGHED BY
99RE	PICK/DE FIELD	DAI

CUSTOMER COPY DRIVER ASSUMES RESPONSIBILITY FOR KNOWING THE PROPER LOADING AND GROSS VEHICLE WEIGHT CAPACITY OF THE VEHICLE BEING LOADED



MAIN OFFICE 1150 PENFIELD RD.  
 ROCHESTER, NY 14625 585-381-7010  
 GATES PLANT 585-235-9292  
 MANCHESTER PLANT 315-462-2752  
 PENFIELD PLANT 585-586-2567  
 WALWORTH PLANT 315-524-2771  
 AVON PLANT 585-226-6350  
 LEROY PLANT 585-766-7295  
 MENDON PLANT 585-624-2430  
 OGDEN PLANT 585-352-0460  
 BROCKPORT PLANT 585-637-6834



21040937

PLANT: Stone - Brockport/Dobby St. 4/4/2012 13:12

CUSTOMER NO. 991027 CUSTOMER JOB NO.

CUSTOMER NAME: Ricecall Trucking Inc. P.O. #:

PRODUCT: SYRACUSE NY 132170000 COMMENTS: VERTI

GROSS WT. LBS.	72,000 LB	LOADS TODAY	STONE	0.00
TARE WT. LBS.	29,000 LB	CITY DE DELIVERY	SALES TAX	0.00
NET WT. LBS.	43,000 LB	ZONE/PRICE	DELIVERY	0.00
NET WT. TONS	21.54 TON	METRIC: 19.90 TMC	TOTAL	0.00

CARRIER/TRUCK	FOB	WEIGHED BY
53RE	Misc/Q6 Field	pat


CUSTOMER COPY

DRIVER ASSUMES RESPONSIBILITY FOR KNOWING THE PROPER LOADING AND GROSS VEHICLE WEIGHT CAPACITY OF THE VEHICLE BEING LOADED


521362

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The New York State  
Department of Environmental Conservation  
has issued a



# MINING PERMIT



pursuant to the Environmental Conservation Law for the mining operation being conducted on this site. For more information regarding the nature and extent of work approved, contact the Mined Land Reclamation Specialist shown below. Please refer to the mine file number shown when contacting the DEC.

Mine File Number 80005 Permit Expiration Date 5/4/2016

DEC Contact Steven M. Army, NYSDEC Minerals

Phone Number 585-226-5372

NOTE: THIS IS NOT A PERMIT  
ML-1





STATE OF NEW YORK  
 DEPARTMENT OF TRANSPORTATION  
 ALBANY, N.Y. 12232  
 www.dot.ny.gov

RECEIVED

JUN 11 2012

VALLEY SAND & GRAVEL

JOAN McDONALD  
 COMMISSIONER

ANDREW M. CUOMO  
 GOVERNOR

June 7, 2012

Mr. Thomas Murphy  
 Valley Sand & Gravel, Inc.  
 94 River Rd.  
 Scottsville, NY 14546

**Aggregate Source Approved for Item 703-02  
 including PCC**

**Name** Valley Sand & Gravel, Inc.  
**Location** Scottsville, NY  
**Source No.** 4-31G

**Note:** *Aggregate from this source is not approved for all NYSDOT items.*

Dear Mr. Murphy:

Aggregate from the operating location noted above is approved for Item 703-02, Coarse Aggregate, including Portland Cement Concrete. The requirements of Materials Method 29, Aggregate Acceptance Procedures, have been met.

Aggregate sources which satisfy all applicable requirements of Materials Method 29, issued July 2007, appear on the Approved List of Sources of Fine and Coarse Aggregates. The Approved List is available on the Internet @

[www.dot.ny.gov](http://www.dot.ny.gov) and clicking on A-Z Site Index, Aggregates.

Approval status is reaffirmed by testing every 2 years. However, approval status may be modified if it is determined that conditions have changed. The Regional Materials Engineer may be consulted for current data concerning this or any source.

Any questions regarding these matters, may be directed to Mr. William Skerritt or members of his staff in the Materials Bureau, Engineering Geology Section at (518) 457-1038.

Very truly yours,

William Skerritt  
 Engineering Geology

WHS/MJB

File: 4-31G

- cc: Jim Jordon, Region 4 Materials Engineer
- Russ Thielke, FE2
- Michael Mathioudakis, Julfikar Ali, FE1
- Tasha Pritchard, Engineering Geology
- Randy Wells, Engineering Geology
- Jim Reidy, FE1
- Jim Curtis, Geotechnical Engineering

**The following laboratory analytical data represents the imported fill material used as partial backfill in AOC-2. The remaining backfill material was site-derived as described in the FER.**

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-31949-1

Client Project/Site: Barthelmes Manufacturing

For:

HRP Associates, Inc.

1 Fairchild Square

Suite 110

Clifton Park, New York 12065

Attn: Patrick C Rodman



Authorized for release by:

1/30/2013 4:51:34 PM

John Schove

Project Manager I

[john.schove@testamericainc.com](mailto:john.schove@testamericainc.com)

### LINKS

Review your project  
results through

**TotalAccess**

Have a Question?



Visit us at:

[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# Definitions/Glossary

Client: HRP Associates, Inc.  
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

### GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

### Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

### General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDA	Minimum detectable activity
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Case Narrative

Client: HRP Associates, Inc.  
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

**Job ID: 480-31949-1**

**Laboratory: TestAmerica Buffalo**

## Narrative

### Job Narrative 480-31949-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 1/23/2013 4:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8° C.

#### GC/MS VOA

Method(s) 8260B: The Matrix Spike Blank recovery for batch 480-101209 was above TestAmerica's statistically developed internal laboratory QC limits for 2-Butanone. This analyte was not a requested spiking compound; therefore the recovery is being reported for advisory purposes only. All other quality control indicators, including the continuing calibration verification, were within method prescribed limits for this analyte.

No other analytical or quality issues were noted.

#### GC/MS Semi VOA

No analytical or quality issues were noted.

#### GC Semi VOA

No analytical or quality issues were noted.

#### Metals

No analytical or quality issues were noted.

#### General Chemistry

No analytical or quality issues were noted.

#### Organic Prep

Method(s) 3550B: The following sample was composited by the laboratory on 1/25/2013 as requested on the chain-of-custody: (480-31949-4 MS), (480-31949-4 MSD), LAB COMP 2, 3, 4 (480-31949-4).

No other analytical or quality issues were noted.

# Detection Summary

Client: HRP Associates, Inc.  
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

## Client Sample ID: SS-1(A) 011813

## Lab Sample ID: 480-31949-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	2.9	J	5.6	2.6	ug/Kg	1	☼	8260B	Total/NA

## Client Sample ID: SS-1(B) 011813

## Lab Sample ID: 480-31949-2

No Detections

## Client Sample ID: SS-1(C) 011813

## Lab Sample ID: 480-31949-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	3.2	J	5.9	2.7	ug/Kg	1	☼	8260B	Total/NA

## Client Sample ID: LAB COMP 2, 3 ,4

## Lab Sample ID: 480-31949-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	8130		10.6	4.7	mg/Kg	1	☼	6010B	Total/NA
Arsenic	3.4		2.1	0.43	mg/Kg	1	☼	6010B	Total/NA
Barium	46.0	B	0.53	0.12	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.35		0.21	0.030	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.13	J	0.21	0.032	mg/Kg	1	☼	6010B	Total/NA
Calcium	57400		53.1	3.5	mg/Kg	1	☼	6010B	Total/NA
Chromium	10.9		0.53	0.21	mg/Kg	1	☼	6010B	Total/NA
Cobalt	6.2		0.53	0.053	mg/Kg	1	☼	6010B	Total/NA
Copper	16.5		1.1	0.22	mg/Kg	1	☼	6010B	Total/NA
Iron	12900		10.6	1.2	mg/Kg	1	☼	6010B	Total/NA
Lead	8.7	^	1.1	0.26	mg/Kg	1	☼	6010B	Total/NA
Magnesium	26200		21.3	0.98	mg/Kg	1	☼	6010B	Total/NA
Manganese	424		0.21	0.034	mg/Kg	1	☼	6010B	Total/NA
Nickel	14.7		5.3	0.24	mg/Kg	1	☼	6010B	Total/NA
Potassium	1840		31.9	21.3	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.43	J	4.3	0.43	mg/Kg	1	☼	6010B	Total/NA
Sodium	124	J	149	13.8	mg/Kg	1	☼	6010B	Total/NA
Vanadium	16.3		0.53	0.12	mg/Kg	1	☼	6010B	Total/NA
Zinc	43.1	B	2.1	0.16	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.057		0.021	0.0085	mg/Kg	1	☼	7471A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Client Sample Results

Client: HRP Associates, Inc.  
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

**Client Sample ID: SS-1(A) 011813**

**Lab Sample ID: 480-31949-1**

**Date Collected: 01/18/13 14:00**

**Matrix: Solid**

**Date Received: 01/23/13 04:00**

**Percent Solids: 94.1**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.6	0.41	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
1,1,2,2-Tetrachloroethane	ND		5.6	0.91	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	1.3	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
1,1,2-Trichloroethane	ND		5.6	0.73	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
1,1-Dichloroethane	ND		5.6	0.68	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
1,1-Dichloroethene	ND		5.6	0.68	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
1,2,4-Trichlorobenzene	ND		5.6	0.34	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
1,2-Dibromo-3-Chloropropane	ND		5.6	2.8	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
1,2-Dichlorobenzene	ND		5.6	0.44	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
1,2-Dichloroethane	ND		5.6	0.28	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
1,2-Dichloropropane	ND		5.6	2.8	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
1,3-Dichlorobenzene	ND		5.6	0.29	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
1,4-Dichlorobenzene	ND		5.6	0.78	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
2-Hexanone	ND		28	2.8	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Acetone	ND		28	4.7	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Benzene	ND		5.6	0.27	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Bromoform	ND		5.6	2.8	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Bromomethane	ND		5.6	0.50	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Carbon disulfide	ND		5.6	2.8	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Carbon tetrachloride	ND		5.6	0.54	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Chlorobenzene	ND		5.6	0.74	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Dibromochloromethane	ND		5.6	0.72	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Chloroethane	ND		5.6	1.3	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Chloroform	ND		5.6	0.35	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Chloromethane	ND		5.6	0.34	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
cis-1,2-Dichloroethene	ND		5.6	0.72	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
cis-1,3-Dichloropropene	ND		5.6	0.81	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Cyclohexane	ND		5.6	0.78	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Bromodichloromethane	ND		5.6	0.75	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Dichlorodifluoromethane	ND		5.6	0.46	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Ethylbenzene	ND		5.6	0.39	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
1,2-Dibromoethane	ND		5.6	0.72	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Isopropylbenzene	ND		5.6	0.84	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Methyl acetate	ND		5.6	1.0	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
2-Butanone (MEK)	ND		28	2.0	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
4-Methyl-2-pentanone (MIBK)	ND		28	1.8	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Methyl tert-butyl ether	ND		5.6	0.55	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Methylcyclohexane	ND		5.6	0.85	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
<b>Methylene Chloride</b>	<b>2.9</b>	<b>J</b>	5.6	2.6	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Styrene	ND		5.6	0.28	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Tetrachloroethene	ND		5.6	0.75	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Toluene	ND		5.6	0.42	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
trans-1,2-Dichloroethene	ND		5.6	0.58	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
trans-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Trichloroethene	ND		5.6	1.2	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Trichlorofluoromethane	ND		5.6	0.53	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Vinyl chloride	ND		5.6	0.68	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1
Xylenes, Total	ND		11	0.94	ug/Kg	*	01/24/13 13:21	01/28/13 15:26	1

TestAmerica Buffalo



# Client Sample Results

Client: HRP Associates, Inc.  
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

**Client Sample ID: SS-1(A) 011813**

**Lab Sample ID: 480-31949-1**

**Date Collected: 01/18/13 14:00**

**Matrix: Solid**

**Date Received: 01/23/13 04:00**

**Percent Solids: 94.1**

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			01/24/13 13:21	01/28/13 15:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		64 - 126				01/24/13 13:21	01/28/13 15:26	1
Toluene-d8 (Surr)	115		71 - 125				01/24/13 13:21	01/28/13 15:26	1
4-Bromofluorobenzene (Surr)	117		72 - 126				01/24/13 13:21	01/28/13 15:26	1

**Client Sample ID: SS-1(B) 011813**

**Lab Sample ID: 480-31949-2**

**Date Collected: 01/18/13 14:00**

**Matrix: Solid**

**Date Received: 01/23/13 04:00**

**Percent Solids: 89.1**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.8	0.42	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
1,1,2,2-Tetrachloroethane	ND		5.8	0.94	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.8	1.3	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
1,1,2-Trichloroethane	ND		5.8	0.75	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
1,1-Dichloroethane	ND		5.8	0.71	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
1,1-Dichloroethene	ND		5.8	0.71	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
1,2,4-Trichlorobenzene	ND		5.8	0.35	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
1,2-Dibromo-3-Chloropropane	ND		5.8	2.9	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
1,2-Dichlorobenzene	ND		5.8	0.45	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
1,2-Dichloroethane	ND		5.8	0.29	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
1,2-Dichloropropane	ND		5.8	2.9	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
1,3-Dichlorobenzene	ND		5.8	0.30	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
1,4-Dichlorobenzene	ND		5.8	0.81	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
2-Hexanone	ND		29	2.9	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Acetone	ND		29	4.9	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Benzene	ND		5.8	0.28	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Bromoform	ND		5.8	2.9	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Bromomethane	ND		5.8	0.52	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Carbon disulfide	ND		5.8	2.9	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Carbon tetrachloride	ND		5.8	0.56	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Chlorobenzene	ND		5.8	0.76	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Dibromochloromethane	ND		5.8	0.74	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Chloroethane	ND		5.8	1.3	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Chloroform	ND		5.8	0.36	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Chloromethane	ND		5.8	0.35	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
cis-1,2-Dichloroethene	ND		5.8	0.74	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
cis-1,3-Dichloropropene	ND		5.8	0.83	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Cyclohexane	ND		5.8	0.81	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Bromodichloromethane	ND		5.8	0.78	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Dichlorodifluoromethane	ND		5.8	0.48	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Ethylbenzene	ND		5.8	0.40	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
1,2-Dibromoethane	ND		5.8	0.74	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Isopropylbenzene	ND		5.8	0.87	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Methyl acetate	ND		5.8	1.1	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
2-Butanone (MEK)	ND		29	2.1	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
4-Methyl-2-pentanone (MIBK)	ND		29	1.9	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Methyl tert-butyl ether	ND		5.8	0.57	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1

TestAmerica Buffalo

# Client Sample Results

Client: HRP Associates, Inc.  
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

**Client Sample ID: SS-1(B) 011813**

**Lab Sample ID: 480-31949-2**

Date Collected: 01/18/13 14:00

Matrix: Solid

Date Received: 01/23/13 04:00

Percent Solids: 89.1

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	ND		5.8	0.88	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Methylene Chloride	ND		5.8	2.7	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Styrene	ND		5.8	0.29	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Tetrachloroethene	ND		5.8	0.78	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Toluene	ND		5.8	0.44	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
trans-1,2-Dichloroethene	ND		5.8	0.60	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
trans-1,3-Dichloropropene	ND		5.8	2.5	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Trichloroethene	ND		5.8	1.3	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Trichlorofluoromethane	ND		5.8	0.55	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Vinyl chloride	ND		5.8	0.71	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1
Xylenes, Total	ND		12	0.97	ug/Kg	☼	01/24/13 13:21	01/28/13 15:52	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			01/24/13 13:21	01/28/13 15:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		64 - 126	01/24/13 13:21	01/28/13 15:52	1
Toluene-d8 (Surr)	115		71 - 125	01/24/13 13:21	01/28/13 15:52	1
4-Bromofluorobenzene (Surr)	116		72 - 126	01/24/13 13:21	01/28/13 15:52	1

**Client Sample ID: SS-1(C) 011813**

**Lab Sample ID: 480-31949-3**

Date Collected: 01/18/13 14:00

Matrix: Solid

Date Received: 01/23/13 04:00

Percent Solids: 85.8

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.9	0.43	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
1,1,2,2-Tetrachloroethane	ND		5.9	0.95	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.9	1.3	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
1,1,2-Trichloroethane	ND		5.9	0.76	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
1,1-Dichloroethane	ND		5.9	0.71	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
1,1-Dichloroethene	ND		5.9	0.72	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
1,2,4-Trichlorobenzene	ND		5.9	0.36	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
1,2-Dibromo-3-Chloropropane	ND		5.9	2.9	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
1,2-Dichlorobenzene	ND		5.9	0.46	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
1,2-Dichloroethane	ND		5.9	0.29	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
1,2-Dichloropropane	ND		5.9	2.9	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
1,3-Dichlorobenzene	ND		5.9	0.30	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
1,4-Dichlorobenzene	ND		5.9	0.82	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
2-Hexanone	ND		29	2.9	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Acetone	ND		29	4.9	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Benzene	ND		5.9	0.29	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Bromoform	ND		5.9	2.9	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Bromomethane	ND		5.9	0.53	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Carbon disulfide	ND		5.9	2.9	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Carbon tetrachloride	ND		5.9	0.57	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Chlorobenzene	ND		5.9	0.77	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Dibromochloromethane	ND		5.9	0.75	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Chloroethane	ND		5.9	1.3	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Chloroform	ND		5.9	0.36	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1

TestAmerica Buffalo

# Client Sample Results

Client: HRP Associates, Inc.  
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

**Client Sample ID: SS-1(C) 011813**

**Lab Sample ID: 480-31949-3**

Date Collected: 01/18/13 14:00

Matrix: Solid

Date Received: 01/23/13 04:00

Percent Solids: 85.8

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		5.9	0.35	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
cis-1,2-Dichloroethene	ND		5.9	0.75	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
cis-1,3-Dichloropropene	ND		5.9	0.84	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Cyclohexane	ND		5.9	0.82	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Bromodichloromethane	ND		5.9	0.79	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Dichlorodifluoromethane	ND		5.9	0.48	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Ethylbenzene	ND		5.9	0.40	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
1,2-Dibromoethane	ND		5.9	0.75	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Isopropylbenzene	ND		5.9	0.88	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Methyl acetate	ND		5.9	1.1	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
2-Butanone (MEK)	ND		29	2.1	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
4-Methyl-2-pentanone (MIBK)	ND		29	1.9	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Methyl tert-butyl ether	ND		5.9	0.58	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Methylcyclohexane	ND		5.9	0.89	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
<b>Methylene Chloride</b>	<b>3.2</b>	<b>J</b>	5.9	2.7	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Styrene	ND		5.9	0.29	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Tetrachloroethene	ND		5.9	0.79	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Toluene	ND		5.9	0.44	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
trans-1,2-Dichloroethene	ND		5.9	0.60	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
trans-1,3-Dichloropropene	ND		5.9	2.6	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Trichloroethene	ND		5.9	1.3	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Trichlorofluoromethane	ND		5.9	0.55	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Vinyl chloride	ND		5.9	0.71	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1
Xylenes, Total	ND		12	0.98	ug/Kg	☼	01/24/13 13:21	01/28/13 16:17	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			01/24/13 13:21	01/28/13 16:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		64 - 126				01/24/13 13:21	01/28/13 16:17	1
Toluene-d8 (Surr)	113		71 - 125				01/24/13 13:21	01/28/13 16:17	1
4-Bromofluorobenzene (Surr)	116		72 - 126				01/24/13 13:21	01/28/13 16:17	1

**Client Sample ID: LAB COMP 2, 3, 4**

**Lab Sample ID: 480-31949-4**

Date Collected: 01/18/13 14:00

Matrix: Solid

Date Received: 01/23/13 04:00

Percent Solids: 91.4

**Method: 8270C - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		180	11	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
bis (2-chloroisopropyl) ether	ND		180	19	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
2,4,5-Trichlorophenol	ND		180	40	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
2,4,6-Trichlorophenol	ND		180	12	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
2,4-Dichlorophenol	ND		180	9.6	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
2,4-Dimethylphenol	ND		180	49	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
2,4-Dinitrophenol	ND		360	64	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
2,4-Dinitrotoluene	ND		180	28	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
2,6-Dinitrotoluene	ND		180	45	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
2-Chloronaphthalene	ND		180	12	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
2-Chlorophenol	ND		180	9.3	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1

TestAmerica Buffalo

# Client Sample Results

Client: HRP Associates, Inc.  
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

**Client Sample ID: LAB COMP 2, 3 ,4**

**Lab Sample ID: 480-31949-4**

**Date Collected: 01/18/13 14:00**

**Matrix: Solid**

**Date Received: 01/23/13 04:00**

**Percent Solids: 91.4**

**Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		180	2.2	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
2-Methylphenol	ND		180	5.6	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
2-Nitroaniline	ND		360	59	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
2-Nitrophenol	ND		180	8.4	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
3,3'-Dichlorobenzidine	ND		180	160	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
3-Nitroaniline	ND		360	42	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
4,6-Dinitro-2-methylphenol	ND		360	63	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
4-Bromophenyl phenyl ether	ND		180	58	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
4-Chloro-3-methylphenol	ND		180	7.5	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
4-Chloroaniline	ND		180	54	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
4-Chlorophenyl phenyl ether	ND		180	3.9	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
4-Methylphenol	ND		360	10	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
4-Nitroaniline	ND		360	20	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
4-Nitrophenol	ND		360	44	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Acenaphthene	ND		180	2.1	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Acenaphthylene	ND		180	1.5	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Acetophenone	ND		180	9.4	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Anthracene	ND		180	4.7	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Atrazine	ND		180	8.1	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Benzaldehyde	ND		180	20	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Benzo(a)anthracene	ND		180	3.2	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Benzo(a)pyrene	ND		180	4.4	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Benzo(b)fluoranthene	ND		180	3.5	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Benzo(g,h,i)perylene	ND		180	2.2	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Benzo(k)fluoranthene	ND		180	2.0	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Bis(2-chloroethoxy)methane	ND		180	9.9	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Bis(2-chloroethyl)ether	ND		180	16	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Bis(2-ethylhexyl) phthalate	ND		180	59	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Butyl benzyl phthalate	ND		180	49	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Caprolactam	ND		180	79	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Carbazole	ND		180	2.1	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Chrysene	ND		180	1.8	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Di-n-butyl phthalate	ND		180	63	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Di-n-octyl phthalate	ND		180	4.3	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Dibenz(a,h)anthracene	ND		180	2.1	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Dibenzofuran	ND		180	1.9	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Diethyl phthalate	ND		180	5.5	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Dimethyl phthalate	ND		180	4.8	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Fluoranthene	ND		180	2.6	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Fluorene	ND		180	4.2	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Hexachlorobenzene	ND		180	9.1	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Hexachlorobutadiene	ND		180	9.3	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Hexachlorocyclopentadiene	ND		180	55	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Hexachloroethane	ND		180	14	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Indeno(1,2,3-cd)pyrene	ND		180	5.1	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Isophorone	ND		180	9.1	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
N-Nitrosodi-n-propylamine	ND		180	14	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
N-Nitrosodiphenylamine	ND		180	10	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Naphthalene	ND		180	3.0	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1

TestAmerica Buffalo

# Client Sample Results

Client: HRP Associates, Inc.  
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

**Client Sample ID: LAB COMP 2, 3 ,4**

**Lab Sample ID: 480-31949-4**

Date Collected: 01/18/13 14:00

Matrix: Solid

Date Received: 01/23/13 04:00

Percent Solids: 91.4

**Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		180	8.1	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Pentachlorophenol	ND		360	63	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Phenanthrene	ND		180	3.8	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Phenol	ND		180	19	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1
Pyrene	ND		180	1.2	ug/Kg	☼	01/25/13 06:58	01/28/13 16:36	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	3500	T J	ug/Kg	☼	2.02		01/25/13 06:58	01/28/13 16:36	1
Unknown	1900	T J	ug/Kg	☼	2.17		01/25/13 06:58	01/28/13 16:36	1
Ethane, 1,1,2-trichloro-	330	T J N	ug/Kg	☼	3.12	79-0-5	01/25/13 06:58	01/28/13 16:36	1
Unknown	830	T J	ug/Kg	☼	3.85		01/25/13 06:58	01/28/13 16:36	1
Ethane, 1,1,2,2-tetrachloro-	360	T J N	ug/Kg	☼	4.89	79-34-5	01/25/13 06:58	01/28/13 16:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	94		39 - 146	01/25/13 06:58	01/28/13 16:36	1
2-Fluorobiphenyl	89		37 - 120	01/25/13 06:58	01/28/13 16:36	1
2-Fluorophenol	112		18 - 120	01/25/13 06:58	01/28/13 16:36	1
Nitrobenzene-d5	83		34 - 132	01/25/13 06:58	01/28/13 16:36	1
p-Terphenyl-d14	103		65 - 153	01/25/13 06:58	01/28/13 16:36	1
Phenol-d5	88		11 - 120	01/25/13 06:58	01/28/13 16:36	1

**Method: 8081A - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.8	0.35	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
4,4'-DDE	ND		1.8	0.27	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
4,4'-DDT	ND		1.8	0.18	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
Aldrin	ND		1.8	0.44	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
alpha-BHC	ND		1.8	0.32	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
alpha-Chlordane	ND		1.8	0.89	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
beta-BHC	ND		1.8	0.19	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
delta-BHC	ND		1.8	0.24	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
Dieldrin	ND		1.8	0.43	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
Endosulfan I	ND		1.8	0.23	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
Endosulfan II	ND		1.8	0.32	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
Endosulfan sulfate	ND		1.8	0.33	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
Endrin	ND		1.8	0.25	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
Endrin aldehyde	ND		1.8	0.46	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
Endrin ketone	ND		1.8	0.44	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
gamma-BHC (Lindane)	ND		1.8	1.3	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
gamma-Chlordane	ND		1.8	0.57	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
Heptachlor	ND		1.8	0.28	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
Heptachlor epoxide	ND		1.8	0.46	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
Methoxychlor	ND		1.8	0.25	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1
Toxaphene	ND		18	10	ug/Kg	☼	01/25/13 07:01	01/25/13 13:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	86		62 - 137	01/25/13 07:01	01/25/13 13:58	1
DCB Decachlorobiphenyl	83		62 - 137	01/25/13 07:01	01/25/13 13:58	1
Tetrachloro-m-xylene	80		30 - 124	01/25/13 07:01	01/25/13 13:58	1
Tetrachloro-m-xylene	71		30 - 124	01/25/13 07:01	01/25/13 13:58	1

TestAmerica Buffalo

# Client Sample Results

Client: HRP Associates, Inc.  
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

**Client Sample ID: LAB COMP 2, 3 ,4**

**Lab Sample ID: 480-31949-4**

Date Collected: 01/18/13 14:00

Matrix: Solid

Date Received: 01/23/13 04:00

Percent Solids: 91.4

**Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		190	37	ug/Kg	☼	01/25/13 07:03	01/28/13 13:26	1
PCB-1221	ND		190	37	ug/Kg	☼	01/25/13 07:03	01/28/13 13:26	1
PCB-1232	ND		190	37	ug/Kg	☼	01/25/13 07:03	01/28/13 13:26	1
PCB-1242	ND		190	37	ug/Kg	☼	01/25/13 07:03	01/28/13 13:26	1
PCB-1248	ND		190	37	ug/Kg	☼	01/25/13 07:03	01/28/13 13:26	1
PCB-1254	ND		190	88	ug/Kg	☼	01/25/13 07:03	01/28/13 13:26	1
PCB-1260	ND		190	88	ug/Kg	☼	01/25/13 07:03	01/28/13 13:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	150		36 - 182	01/25/13 07:03	01/28/13 13:26	1
DCB Decachlorobiphenyl	138		36 - 182	01/25/13 07:03	01/28/13 13:26	1
Tetrachloro-m-xylene	149		24 - 172	01/25/13 07:03	01/28/13 13:26	1
Tetrachloro-m-xylene	124		24 - 172	01/25/13 07:03	01/28/13 13:26	1

**Method: 6010B - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8130		10.6	4.7	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Antimony	ND		15.9	0.43	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Arsenic	3.4		2.1	0.43	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Barium	46.0	B	0.53	0.12	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Beryllium	0.35		0.21	0.030	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Cadmium	0.13	J	0.21	0.032	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Calcium	57400		53.1	3.5	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Chromium	10.9		0.53	0.21	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Cobalt	6.2		0.53	0.053	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Copper	16.5		1.1	0.22	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Iron	12900		10.6	1.2	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Lead	8.7	^	1.1	0.26	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Magnesium	26200		21.3	0.98	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Manganese	424		0.21	0.034	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Nickel	14.7		5.3	0.24	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Potassium	1840		31.9	21.3	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Selenium	0.43	J	4.3	0.43	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Silver	ND		0.53	0.21	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Sodium	124	J	149	13.8	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Thallium	ND		6.4	0.32	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Vanadium	16.3		0.53	0.12	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1
Zinc	43.1	B	2.1	0.16	mg/Kg	☼	01/26/13 13:00	01/28/13 14:07	1

**Method: 7471A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.057		0.021	0.0085	mg/Kg	☼	01/24/13 10:15	01/24/13 12:13	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		1.0	0.50	mg/Kg	☼	01/25/13 19:29	01/27/13 23:39	1

# Surrogate Summary

Client: HRP Associates, Inc.  
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (64-126)	TOL (71-125)	BFB (72-126)
480-31949-1	SS-1(A) 011813	117	115	117
480-31949-2	SS-1(B) 011813	118	115	116
480-31949-3	SS-1(C) 011813	116	113	116
LCS 480-101209/4	Lab Control Sample	111	115	115
MB 480-101209/6	Method Blank	108	115	114

#### Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)  
TOL = Toluene-d8 (Surr)  
BFB = 4-Bromofluorobenzene (Surr)

## Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (39-146)	FBP (37-120)	2FP (18-120)	NBZ (34-132)	TPH (65-153)	PHL (11-120)
480-31949-4	LAB COMP 2, 3, 4	94	89	112	83	103	88
480-31949-4 MS	LAB COMP 2, 3, 4	104	92	83	88	98	91
480-31949-4 MSD	LAB COMP 2, 3, 4	103	90	93	86	98	89
LCS 480-100991/2-A	Lab Control Sample	105	96	86	88	99	92
MB 480-100991/1-A	Method Blank	98	93	102	86	97	94

#### Surrogate Legend

TBP = 2,4,6-Tribromophenol  
FBP = 2-Fluorobiphenyl  
2FP = 2-Fluorophenol  
NBZ = Nitrobenzene-d5  
TPH = p-Terphenyl-d14  
PHL = Phenol-d5

## Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCB1 (62-137)	DCB2 (62-137)	TCX1 (30-124)	TCX2 (30-124)
480-31949-4	LAB COMP 2, 3, 4	86	83	80	71
480-31949-4 MS	LAB COMP 2, 3, 4	83	84	78	75
480-31949-4 MSD	LAB COMP 2, 3, 4	89	83	83	75
LCS 480-100992/2-A	Lab Control Sample	80	80	76	73
MB 480-100992/1-A	Method Blank	80	82	78	74

#### Surrogate Legend

DCB = DCB Decachlorobiphenyl  
TCX = Tetrachloro-m-xylene

# Surrogate Summary

Client: HRP Associates, Inc.  
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

## Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCB1 (36-182)	DCB2 (36-182)	TCX1 (24-172)	TCX2 (24-172)
480-31949-4	LAB COMP 2, 3, 4	150	138	149	124
LCS 480-100993/2-A	Lab Control Sample	180	165	182 X	142
MB 480-100993/1-A	Method Blank	156	144	153	125

### Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene



# QC Sample Results

Client: HRP Associates, Inc.  
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 480-101209/6**

**Matrix: Solid**

**Analysis Batch: 101209**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg			01/28/13 12:44	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg			01/28/13 12:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg			01/28/13 12:44	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg			01/28/13 12:44	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg			01/28/13 12:44	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg			01/28/13 12:44	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg			01/28/13 12:44	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg			01/28/13 12:44	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg			01/28/13 12:44	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg			01/28/13 12:44	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg			01/28/13 12:44	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg			01/28/13 12:44	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg			01/28/13 12:44	1
2-Hexanone	ND		25	2.5	ug/Kg			01/28/13 12:44	1
Acetone	ND		25	4.2	ug/Kg			01/28/13 12:44	1
Benzene	ND		5.0	0.25	ug/Kg			01/28/13 12:44	1
Bromoform	ND		5.0	2.5	ug/Kg			01/28/13 12:44	1
Bromomethane	ND		5.0	0.45	ug/Kg			01/28/13 12:44	1
Carbon disulfide	ND		5.0	2.5	ug/Kg			01/28/13 12:44	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg			01/28/13 12:44	1
Chlorobenzene	ND		5.0	0.66	ug/Kg			01/28/13 12:44	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg			01/28/13 12:44	1
Chloroethane	ND		5.0	1.1	ug/Kg			01/28/13 12:44	1
Chloroform	ND		5.0	0.31	ug/Kg			01/28/13 12:44	1
Chloromethane	ND		5.0	0.30	ug/Kg			01/28/13 12:44	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg			01/28/13 12:44	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg			01/28/13 12:44	1
Cyclohexane	ND		5.0	0.70	ug/Kg			01/28/13 12:44	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg			01/28/13 12:44	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg			01/28/13 12:44	1
Ethylbenzene	ND		5.0	0.35	ug/Kg			01/28/13 12:44	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg			01/28/13 12:44	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg			01/28/13 12:44	1
Methyl acetate	ND		5.0	0.93	ug/Kg			01/28/13 12:44	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg			01/28/13 12:44	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg			01/28/13 12:44	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg			01/28/13 12:44	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg			01/28/13 12:44	1
Methylene Chloride	ND		5.0	2.3	ug/Kg			01/28/13 12:44	1
Styrene	ND		5.0	0.25	ug/Kg			01/28/13 12:44	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg			01/28/13 12:44	1
Toluene	ND		5.0	0.38	ug/Kg			01/28/13 12:44	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg			01/28/13 12:44	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			01/28/13 12:44	1
Trichloroethene	ND		5.0	1.1	ug/Kg			01/28/13 12:44	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg			01/28/13 12:44	1
Vinyl chloride	ND		5.0	0.61	ug/Kg			01/28/13 12:44	1
Xylenes, Total	ND		10	0.84	ug/Kg			01/28/13 12:44	1

TestAmerica Buffalo

# QC Sample Results

Client: HRP Associates, Inc.  
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 480-101209/6**

**Matrix: Solid**

**Analysis Batch: 101209**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Tentatively Identified Compound	MB MB		Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Tentatively Identified Compound	None		ug/Kg					01/28/13 12:44	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	108		64 - 126		01/28/13 12:44	1
Toluene-d8 (Surr)	115		71 - 125		01/28/13 12:44	1
4-Bromofluorobenzene (Surr)	114		72 - 126		01/28/13 12:44	1

**Lab Sample ID: LCS 480-101209/4**

**Matrix: Solid**

**Analysis Batch: 101209**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	50.0	44.2		ug/Kg		88	59 - 125
1,2-Dichlorobenzene	50.0	48.5		ug/Kg		97	75 - 120
1,2-Dichloroethane	50.0	47.2		ug/Kg		94	77 - 122
Benzene	50.0	46.4		ug/Kg		93	79 - 127
Chlorobenzene	50.0	47.7		ug/Kg		95	76 - 124
cis-1,2-Dichloroethene	50.0	48.0		ug/Kg		96	81 - 117
Ethylbenzene	50.0	47.6		ug/Kg		95	80 - 120
Methyl tert-butyl ether	50.0	49.8		ug/Kg		100	63 - 125
Tetrachloroethene	50.0	46.7		ug/Kg		93	74 - 122
Toluene	50.0	46.5		ug/Kg		93	74 - 128
trans-1,2-Dichloroethene	50.0	47.3		ug/Kg		95	78 - 126
Trichloroethene	50.0	47.2		ug/Kg		94	77 - 129

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	111		64 - 126
Toluene-d8 (Surr)	115		71 - 125
4-Bromofluorobenzene (Surr)	115		72 - 126

## Method: 8270C - Semivolatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 480-100991/1-A**

**Matrix: Solid**

**Analysis Batch: 101211**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 100991**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Biphenyl	ND		170	10	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
bis (2-chloroisopropyl) ether	ND		170	17	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
2,4,5-Trichlorophenol	ND		170	36	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
2,4,6-Trichlorophenol	ND		170	11	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
2,4-Dichlorophenol	ND		170	8.6	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
2,4-Dimethylphenol	ND		170	44	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
2,4-Dinitrophenol	ND		320	58	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
2,4-Dinitrotoluene	ND		170	25	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
2,6-Dinitrotoluene	ND		170	40	ug/Kg		01/25/13 06:57	01/28/13 18:10	1

TestAmerica Buffalo

# QC Sample Results

Client: HRP Associates, Inc.  
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

## Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-100991/1-A

Matrix: Solid

Analysis Batch: 101211

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100991

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2-Chloronaphthalene	ND		170	11	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
2-Chlorophenol	ND		170	8.4	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
2-Methylnaphthalene	ND		170	2.0	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
2-Methylphenol	ND		170	5.1	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
2-Nitroaniline	ND		320	53	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
2-Nitrophenol	ND		170	7.5	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
3,3'-Dichlorobenzidine	ND		170	140	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
3-Nitroaniline	ND		320	38	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
4,6-Dinitro-2-methylphenol	ND		320	57	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
4-Bromophenyl phenyl ether	ND		170	52	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
4-Chloro-3-methylphenol	ND		170	6.8	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
4-Chloroaniline	ND		170	48	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
4-Chlorophenyl phenyl ether	ND		170	3.5	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
4-Methylphenol	ND		320	9.2	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
4-Nitroaniline	ND		320	18	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
4-Nitrophenol	ND		320	40	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Acenaphthene	ND		170	1.9	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Acenaphthylene	ND		170	1.3	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Acetophenone	ND		170	8.4	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Anthracene	ND		170	4.2	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Atrazine	ND		170	7.3	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Benzaldehyde	ND		170	18	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Benzo(a)anthracene	ND		170	2.8	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Benzo(a)pyrene	ND		170	4.0	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Benzo(b)fluoranthene	ND		170	3.2	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Benzo(g,h,i)perylene	ND		170	2.0	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Benzo(k)fluoranthene	ND		170	1.8	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Bis(2-chloroethoxy)methane	ND		170	9.0	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Bis(2-chloroethyl)ether	ND		170	14	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Bis(2-ethylhexyl) phthalate	ND		170	53	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Butyl benzyl phthalate	ND		170	44	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Caprolactam	ND		170	71	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Carbazole	ND		170	1.9	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Chrysene	ND		170	1.6	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Di-n-butyl phthalate	ND		170	57	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Di-n-octyl phthalate	ND		170	3.8	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Dibenz(a,h)anthracene	ND		170	1.9	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Dibenzofuran	ND		170	1.7	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Diethyl phthalate	ND		170	5.0	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Dimethyl phthalate	ND		170	4.3	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Fluoranthene	ND		170	2.4	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Fluorene	ND		170	3.8	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Hexachlorobenzene	ND		170	8.2	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Hexachlorobutadiene	ND		170	8.4	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Hexachlorocyclopentadiene	ND		170	50	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Hexachloroethane	ND		170	13	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Indeno(1,2,3-cd)pyrene	ND		170	4.6	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Isophorone	ND		170	8.2	ug/Kg		01/25/13 06:57	01/28/13 18:10	1

TestAmerica Buffalo

# QC Sample Results

Client: HRP Associates, Inc.  
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

## Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 480-100991/1-A**

**Matrix: Solid**

**Analysis Batch: 101211**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 100991**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		170	13	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
N-Nitrosodiphenylamine	ND		170	9.0	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Naphthalene	ND		170	2.7	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Nitrobenzene	ND		170	7.3	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Pentachlorophenol	ND		320	56	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Phenanthrene	ND		170	3.5	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Phenol	ND		170	17	ug/Kg		01/25/13 06:57	01/28/13 18:10	1
Pyrene	ND		170	1.1	ug/Kg		01/25/13 06:57	01/28/13 18:10	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	1490	T J	ug/Kg		2.02		01/25/13 06:57	01/28/13 18:10	1
Unknown	1420	T J	ug/Kg		2.17		01/25/13 06:57	01/28/13 18:10	1
Unknown	186	T J	ug/Kg		3.13		01/25/13 06:57	01/28/13 18:10	1
Unknown	1320	T J	ug/Kg		3.86		01/25/13 06:57	01/28/13 18:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	98		39 - 146	01/25/13 06:57	01/28/13 18:10	1
2-Fluorobiphenyl	93		37 - 120	01/25/13 06:57	01/28/13 18:10	1
2-Fluorophenol	102		18 - 120	01/25/13 06:57	01/28/13 18:10	1
Nitrobenzene-d5	86		34 - 132	01/25/13 06:57	01/28/13 18:10	1
p-Terphenyl-d14	97		65 - 153	01/25/13 06:57	01/28/13 18:10	1
Phenol-d5	94		11 - 120	01/25/13 06:57	01/28/13 18:10	1

**Lab Sample ID: LCS 480-100991/2-A**

**Matrix: Solid**

**Analysis Batch: 101211**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 100991**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrotoluene	3280	3320		ug/Kg		101	55 - 125
2-Chlorophenol	3280	2860		ug/Kg		87	38 - 120
4-Chloro-3-methylphenol	3280	3170		ug/Kg		97	49 - 125
4-Nitrophenol	3280	3230		ug/Kg		98	43 - 137
Acenaphthene	3280	3180		ug/Kg		97	53 - 120
Bis(2-ethylhexyl) phthalate	3280	3360		ug/Kg		102	61 - 133
Fluorene	3280	3270		ug/Kg		100	63 - 126
Hexachloroethane	3280	2480		ug/Kg		76	41 - 120
N-Nitrosodi-n-propylamine	3280	2820		ug/Kg		86	46 - 120
Pentachlorophenol	3280	2850		ug/Kg		87	33 - 136
Phenol	3280	3190		ug/Kg		97	36 - 120
Pyrene	3280	3370		ug/Kg		103	51 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	105		39 - 146
2-Fluorobiphenyl	96		37 - 120
2-Fluorophenol	86		18 - 120
Nitrobenzene-d5	88		34 - 132
p-Terphenyl-d14	99		65 - 153

TestAmerica Buffalo

# QC Sample Results

Client: HRP Associates, Inc.  
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

## Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 480-100991/2-A**  
**Matrix: Solid**  
**Analysis Batch: 101211**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 100991**

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>LCS</i> Qualifier	<i>Limits</i>
<i>Phenol-d5</i>	92		11 - 120

**Lab Sample ID: 480-31949-4 MS**  
**Matrix: Solid**  
**Analysis Batch: 101211**

**Client Sample ID: LAB COMP 2, 3, 4**  
**Prep Type: Total/NA**  
**Prep Batch: 100991**

<i>Analyte</i>	<i>Sample</i> Result	<i>Sample</i> Qualifier	<i>Spike</i> Added	<i>MS</i> Result	<i>MS</i> Qualifier	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec.</i> Limits
2,4-Dinitrotoluene	ND		3580	3480		ug/Kg	☼	97	55 - 125
2-Chlorophenol	ND		3580	3040		ug/Kg	☼	85	38 - 120
4-Chloro-3-methylphenol	ND		3580	3450		ug/Kg	☼	97	49 - 125
4-Nitrophenol	ND		3580	3460		ug/Kg	☼	97	43 - 137
Acenaphthene	ND		3580	3330		ug/Kg	☼	93	53 - 120
Bis(2-ethylhexyl) phthalate	ND		3580	3610		ug/Kg	☼	101	61 - 133
Fluorene	ND		3580	3440		ug/Kg	☼	96	63 - 126
Hexachloroethane	ND		3580	2630		ug/Kg	☼	73	41 - 120
N-Nitrosodi-n-propylamine	ND		3580	3090		ug/Kg	☼	86	46 - 120
Pentachlorophenol	ND		3580	3090		ug/Kg	☼	86	33 - 136
Phenol	ND		3580	3430		ug/Kg	☼	96	36 - 120
Pyrene	ND		3580	3620		ug/Kg	☼	101	51 - 133

<i>Surrogate</i>	<i>MS</i> %Recovery	<i>MS</i> Qualifier	<i>Limits</i>
<i>2,4,6-Tribromophenol</i>	104		39 - 146
<i>2-Fluorobiphenyl</i>	92		37 - 120
<i>2-Fluorophenol</i>	83		18 - 120
<i>Nitrobenzene-d5</i>	88		34 - 132
<i>p-Terphenyl-d14</i>	98		65 - 153
<i>Phenol-d5</i>	91		11 - 120

**Lab Sample ID: 480-31949-4 MSD**  
**Matrix: Solid**  
**Analysis Batch: 101211**

**Client Sample ID: LAB COMP 2, 3, 4**  
**Prep Type: Total/NA**  
**Prep Batch: 100991**

<i>Analyte</i>	<i>Sample</i> Result	<i>Sample</i> Qualifier	<i>Spike</i> Added	<i>MSD</i> Result	<i>MSD</i> Qualifier	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec.</i> Limits	<i>RPD</i>	<i>RPD</i> Limit
2,4-Dinitrotoluene	ND		3610	3420		ug/Kg	☼	95	55 - 125	2	20
2-Chlorophenol	ND		3610	3050		ug/Kg	☼	84	38 - 120	0	25
4-Chloro-3-methylphenol	ND		3610	3430		ug/Kg	☼	95	49 - 125	1	27
4-Nitrophenol	ND		3610	3410		ug/Kg	☼	94	43 - 137	2	25
Acenaphthene	ND		3610	3330		ug/Kg	☼	92	53 - 120	0	35
Bis(2-ethylhexyl) phthalate	ND		3610	3610		ug/Kg	☼	100	61 - 133	0	15
Fluorene	ND		3610	3410		ug/Kg	☼	95	63 - 126	1	15
Hexachloroethane	ND		3610	2600		ug/Kg	☼	72	41 - 120	1	46
N-Nitrosodi-n-propylamine	ND		3610	3060		ug/Kg	☼	85	46 - 120	1	31
Pentachlorophenol	ND		3610	3140		ug/Kg	☼	87	33 - 136	2	35
Phenol	ND		3610	3420		ug/Kg	☼	95	36 - 120	1	35
Pyrene	ND		3610	3630		ug/Kg	☼	100	51 - 133	0	35

# QC Sample Results

Client: HRP Associates, Inc.  
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

## Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 480-31949-4 MSD**

**Matrix: Solid**

**Analysis Batch: 101211**

**Client Sample ID: LAB COMP 2, 3, 4**

**Prep Type: Total/NA**

**Prep Batch: 100991**

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol	103		39 - 146
2-Fluorobiphenyl	90		37 - 120
2-Fluorophenol	93		18 - 120
Nitrobenzene-d5	86		34 - 132
p-Terphenyl-d14	98		65 - 153
Phenol-d5	89		11 - 120

## Method: 8081A - Organochlorine Pesticides (GC)

**Lab Sample ID: MB 480-100992/1-A**

**Matrix: Solid**

**Analysis Batch: 101006**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 100992**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4,4'-DDD	ND		1.7	0.32	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
4,4'-DDE	ND		1.7	0.25	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
4,4'-DDT	ND		1.7	0.17	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
Aldrin	ND		1.7	0.41	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
alpha-BHC	ND		1.7	0.30	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
alpha-Chlordane	ND		1.7	0.82	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
beta-BHC	ND		1.7	0.18	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
delta-BHC	ND		1.7	0.22	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
Dieldrin	ND		1.7	0.40	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
Endosulfan I	ND		1.7	0.21	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
Endosulfan II	ND		1.7	0.30	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
Endosulfan sulfate	ND		1.7	0.31	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
Endrin	ND		1.7	0.23	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
Endrin aldehyde	ND		1.7	0.42	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
Endrin ketone	ND		1.7	0.41	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
gamma-BHC (Lindane)	ND		1.7	1.2	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
gamma-Chlordane	ND		1.7	0.53	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
Heptachlor	ND		1.7	0.26	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
Heptachlor epoxide	ND		1.7	0.43	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
Methoxychlor	ND		1.7	0.23	ug/Kg		01/25/13 07:01	01/25/13 13:17	1
Toxaphene	ND		17	9.6	ug/Kg		01/25/13 07:01	01/25/13 13:17	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl	80		62 - 137	01/25/13 07:01	01/25/13 13:17	1
DCB Decachlorobiphenyl	82		62 - 137	01/25/13 07:01	01/25/13 13:17	1
Tetrachloro-m-xylene	78		30 - 124	01/25/13 07:01	01/25/13 13:17	1
Tetrachloro-m-xylene	74		30 - 124	01/25/13 07:01	01/25/13 13:17	1

TestAmerica Buffalo

# QC Sample Results

Client: HRP Associates, Inc.  
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

## Method: 8081A - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: LCS 480-100992/2-A**

**Matrix: Solid**

**Analysis Batch: 101006**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 100992**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.5	16.0		ug/Kg		97	45 - 129
4,4'-DDE	16.5	14.9		ug/Kg		90	49 - 120
4,4'-DDT	16.5	14.5		ug/Kg		88	47 - 145
Aldrin	16.5	13.7		ug/Kg		83	35 - 120
alpha-BHC	16.5	13.0		ug/Kg		79	49 - 120
alpha-Chlordane	16.5	14.2		ug/Kg		86	44 - 127
beta-BHC	16.5	14.8		ug/Kg		89	58 - 123
delta-BHC	16.5	13.5		ug/Kg		82	45 - 123
Dieldrin	16.5	15.1		ug/Kg		92	53 - 128
Endosulfan I	16.5	14.0		ug/Kg		85	29 - 125
Endosulfan II	16.5	16.0		ug/Kg		97	56 - 127
Endosulfan sulfate	16.5	15.6		ug/Kg		94	53 - 135
Endrin	16.5	15.6		ug/Kg		94	58 - 129
Endrin aldehyde	16.5	15.9		ug/Kg		97	39 - 133
Endrin ketone	16.5	14.9		ug/Kg		90	61 - 133
gamma-BHC (Lindane)	16.5	13.3		ug/Kg		81	50 - 120
gamma-Chlordane	16.5	14.1		ug/Kg		86	54 - 124
Heptachlor	16.5	14.1		ug/Kg		85	49 - 122
Heptachlor epoxide	16.5	14.6		ug/Kg		88	47 - 128
Methoxychlor	16.5	17.0		ug/Kg		103	61 - 146

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	80		62 - 137
DCB Decachlorobiphenyl	80		62 - 137
Tetrachloro-m-xylene	76		30 - 124
Tetrachloro-m-xylene	73		30 - 124

**Lab Sample ID: 480-31949-4 MS**

**Matrix: Solid**

**Analysis Batch: 101006**

**Client Sample ID: LAB COMP 2, 3, 4**

**Prep Type: Total/NA**

**Prep Batch: 100992**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	ND		17.9	17.1		ug/Kg	*	96	53 - 124
4,4'-DDE	ND		17.9	16.5		ug/Kg	*	92	44 - 123
4,4'-DDT	ND		17.9	16.5		ug/Kg	*	92	36 - 132
Aldrin	ND		17.9	14.8		ug/Kg	*	83	35 - 120
alpha-BHC	ND		17.9	14.0		ug/Kg	*	78	35 - 114
alpha-Chlordane	ND		17.9	15.4		ug/Kg	*	86	47 - 121
beta-BHC	ND		17.9	16.1		ug/Kg	*	90	50 - 121
delta-BHC	ND		17.9	14.7		ug/Kg	*	83	45 - 123
Dieldrin	ND		17.9	16.2		ug/Kg	*	91	47 - 120
Endosulfan I	ND		17.9	15.3		ug/Kg	*	86	29 - 125
Endosulfan II	ND		17.9	16.4		ug/Kg	*	92	21 - 137
Endosulfan sulfate	ND		17.9	15.3		ug/Kg	*	86	34 - 136
Endrin	ND		17.9	16.9		ug/Kg	*	95	53 - 120
Endrin aldehyde	ND		17.9	13.5		ug/Kg	*	76	33 - 120
Endrin ketone	ND		17.9	15.4		ug/Kg	*	86	49 - 131
gamma-BHC (Lindane)	ND		17.9	14.9		ug/Kg	*	83	50 - 120

TestAmerica Buffalo

# QC Sample Results

Client: HRP Associates, Inc.  
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

## Method: 8081A - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: 480-31949-4 MS**

**Matrix: Solid**

**Analysis Batch: 101006**

**Client Sample ID: LAB COMP 2, 3, 4**

**Prep Type: Total/NA**

**Prep Batch: 100992**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
gamma-Chlordane	ND		17.9	15.1		ug/Kg	*	85	51 - 120
Heptachlor	ND		17.9	15.2		ug/Kg	*	85	47 - 120
Heptachlor epoxide	ND		17.9	16.0		ug/Kg	*	89	44 - 122
Methoxychlor	ND		17.9	18.3		ug/Kg	*	103	53 - 143

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	83		62 - 137
DCB Decachlorobiphenyl	84		62 - 137
Tetrachloro-m-xylene	78		30 - 124
Tetrachloro-m-xylene	75		30 - 124

**Lab Sample ID: 480-31949-4 MSD**

**Matrix: Solid**

**Analysis Batch: 101006**

**Client Sample ID: LAB COMP 2, 3, 4**

**Prep Type: Total/NA**

**Prep Batch: 100992**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	ND		17.8	17.3		ug/Kg	*	97	53 - 124	1	21
4,4'-DDE	ND		17.8	16.2		ug/Kg	*	91	44 - 123	2	18
4,4'-DDT	ND		17.8	16.0		ug/Kg	*	90	36 - 132	3	25
Aldrin	ND		17.8	15.6		ug/Kg	*	88	35 - 120	5	12
alpha-BHC	ND		17.8	14.6		ug/Kg	*	82	35 - 114	4	15
alpha-Chlordane	ND		17.8	14.9		ug/Kg	*	84	47 - 121	4	23
beta-BHC	ND		17.8	17.1		ug/Kg	*	96	50 - 121	6	19
delta-BHC	ND		17.8	15.3		ug/Kg	*	86	45 - 123	4	14
Dieldrin	ND		17.8	16.1		ug/Kg	*	91	47 - 120	0	12
Endosulfan I	ND		17.8	15.6		ug/Kg	*	88	29 - 125	2	18
Endosulfan II	ND		17.8	16.3		ug/Kg	*	92	21 - 137	0	26
Endosulfan sulfate	ND		17.8	14.9		ug/Kg	*	84	34 - 136	3	35
Endrin	ND		17.8	17.5		ug/Kg	*	99	53 - 120	4	20
Endrin aldehyde	ND		17.8	9.26		ug/Kg	*	52	33 - 120	37	47
Endrin ketone	ND		17.8	14.8		ug/Kg	*	84	49 - 131	4	37
gamma-BHC (Lindane)	ND		17.8	14.0		ug/Kg	*	79	50 - 120	6	12
gamma-Chlordane	ND		17.8	15.4		ug/Kg	*	87	51 - 120	2	15
Heptachlor	ND		17.8	16.2		ug/Kg	*	91	47 - 120	6	22
Heptachlor epoxide	ND		17.8	15.5		ug/Kg	*	87	44 - 122	3	15
Methoxychlor	ND		17.8	19.9		ug/Kg	*	112	53 - 143	8	24

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	89		62 - 137
DCB Decachlorobiphenyl	83		62 - 137
Tetrachloro-m-xylene	83		30 - 124
Tetrachloro-m-xylene	75		30 - 124

TestAmerica Buffalo



# QC Sample Results

Client: HRP Associates, Inc.  
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

## Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

**Lab Sample ID: MB 480-100993/1-A**

**Matrix: Solid**

**Analysis Batch: 101181**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 100993**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		230	45	ug/Kg		01/25/13 07:03	01/28/13 12:12	1
PCB-1221	ND		230	45	ug/Kg		01/25/13 07:03	01/28/13 12:12	1
PCB-1232	ND		230	45	ug/Kg		01/25/13 07:03	01/28/13 12:12	1
PCB-1242	ND		230	45	ug/Kg		01/25/13 07:03	01/28/13 12:12	1
PCB-1248	ND		230	45	ug/Kg		01/25/13 07:03	01/28/13 12:12	1
PCB-1254	ND		230	110	ug/Kg		01/25/13 07:03	01/28/13 12:12	1
PCB-1260	ND		230	110	ug/Kg		01/25/13 07:03	01/28/13 12:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	156		36 - 182	01/25/13 07:03	01/28/13 12:12	1
DCB Decachlorobiphenyl	144		36 - 182	01/25/13 07:03	01/28/13 12:12	1
Tetrachloro-m-xylene	153		24 - 172	01/25/13 07:03	01/28/13 12:12	1
Tetrachloro-m-xylene	125		24 - 172	01/25/13 07:03	01/28/13 12:12	1

**Lab Sample ID: LCS 480-100993/2-A**

**Matrix: Solid**

**Analysis Batch: 101181**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 100993**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	2350	3180		ug/Kg		136	51 - 185
PCB-1260	2350	3240		ug/Kg		138	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	180		36 - 182
DCB Decachlorobiphenyl	165		36 - 182
Tetrachloro-m-xylene	182	X	24 - 172
Tetrachloro-m-xylene	142		24 - 172

## Method: 6010B - Metals (ICP)

**Lab Sample ID: MB 480-101153/1-A**

**Matrix: Solid**

**Analysis Batch: 101276**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 101153**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		11.0	4.8	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Antimony	ND		16.5	0.44	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Arsenic	ND		2.2	0.44	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Barium	0.156	J	0.55	0.12	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Beryllium	ND		0.22	0.031	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Cadmium	ND		0.22	0.033	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Calcium	ND		54.8	3.6	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Chromium	ND		0.55	0.22	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Cobalt	ND		0.55	0.055	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Copper	ND		1.1	0.23	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Iron	ND		11.0	1.2	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Lead	ND		1.1	0.26	mg/Kg		01/26/13 13:00	01/28/13 13:37	1

TestAmerica Buffalo

# QC Sample Results

Client: HRP Associates, Inc.  
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

## Method: 6010B - Metals (ICP) (Continued)

**Lab Sample ID: MB 480-101153/1-A**  
**Matrix: Solid**  
**Analysis Batch: 101276**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 101153**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	ND		21.9	1.0	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Manganese	ND		0.22	0.035	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Nickel	ND		5.5	0.25	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Potassium	ND		32.9	21.9	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Selenium	ND		4.4	0.44	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Silver	ND		0.55	0.22	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Sodium	ND		154	14.3	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Thallium	ND		6.6	0.33	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Vanadium	ND		0.55	0.12	mg/Kg		01/26/13 13:00	01/28/13 13:37	1
Zinc	0.263	J	2.2	0.17	mg/Kg		01/26/13 13:00	01/28/13 13:37	1

**Lab Sample ID: LCDSRM 480-101153/3-A LCDSRM**  
**Matrix: Solid**  
**Analysis Batch: 101276**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 101153**

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	8350	6320		mg/Kg		75.7	40.4 - 159.1	13	20
Antimony	92.8	78.78		mg/Kg		84.9	8.2 - 191.6	4	20
Arsenic	94.4	83.15		mg/Kg		88.1	82.2 - 117.5	14	20
Beryllium	52.5	47.35		mg/Kg		90.1	83.8 - 116.2	12	20
Cadmium	59.8	54.70		mg/Kg		91.4	84.0 - 115.9	9	20
Calcium	6150	5317		mg/Kg		86.4	82.3 - 117.5	13	20
Chromium	69.2	58.53		mg/Kg		84.5	81.4 - 118.6	13	20
Cobalt	101	95.19		mg/Kg		94.3	83.8 - 115.8	12	20
Copper	77.9	70.46		mg/Kg		90.4	83.7 - 116.2	12	20
Iron	12800	9392		mg/Kg		73.4	50.6 - 149.2	13	20
Lead	91.6	82.32		mg/Kg		89.9	82.4 - 117.8	14	20
Magnesium	3030	2502		mg/Kg		82.7	76.2 - 123.8	14	20
Manganese	283	247.8		mg/Kg		87.7	81.6 - 118.0	11	20
Nickel	56.5	53.61		mg/Kg		94.8	82.2 - 117.8	11	20
Potassium	3820	3118		mg/Kg		81.7	73.6 - 126.4	14	20
Selenium	159	137.9		mg/Kg		86.8	79.2 - 120.8	14	20
Silver	33.9	30.90		mg/Kg		91.2	66.4 - 133.9	11	20
Sodium	651	549.0		mg/Kg		84.3	73.6 - 126.2	10	20

TestAmerica Buffalo

# QC Sample Results

Client: HRP Associates, Inc.  
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

## Method: 6010B - Metals (ICP) (Continued)

**Lab Sample ID: LCDSRM 480-101153/3-A LCDSRM**  
**Matrix: Solid**  
**Analysis Batch: 101276**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 101153**

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	Limit
							RPD	Limit		
Thallium	119	110.5		mg/Kg		92.9	81.1 - 119.3	13	20	
Vanadium	56.2	48.43		mg/Kg		86.1	72.8 - 127.2	13	20	
Zinc	137	123.2		mg/Kg		90.0	81.0 - 119.0	13	20	

**Lab Sample ID: LCDSRM 480-101153/3-A LCDSRM**  
**Matrix: Solid**  
**Analysis Batch: 101396**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 101153**

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	Limit
							RPD	Limit		
Barium	166	147.2		mg/Kg		88.8	83.1 - 116.3	15	20	

**Lab Sample ID: LCSSRM 480-101153/2-A**  
**Matrix: Solid**  
**Analysis Batch: 101276**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 101153**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	Limit
							RPD	Limit		
Aluminum	8330	7220		mg/Kg		86.6	40.4 - 159.1			
Antimony	92.6	82.09		mg/Kg		88.6	8.2 - 191.6			
Arsenic	94.2	95.83		mg/Kg		101.7	82.2 - 117.5			
Beryllium	52.4	53.54		mg/Kg		102.1	83.8 - 116.2			
Cadmium	59.7	59.73		mg/Kg		100.0	84.0 - 115.9			
Calcium	6140	6037		mg/Kg		98.3	82.3 - 117.5			
Chromium	69.1	66.99		mg/Kg		97.0	81.4 - 118.6			
Cobalt	101	107.8		mg/Kg		107.1	83.8 - 115.8			
Copper	77.8	79.43		mg/Kg		102.2	83.7 - 116.2			
Iron	12800	10740		mg/Kg		84.2	50.6 - 149.2			
Lead	91.4	94.63		mg/Kg		103.5	82.4 - 117.8			
Magnesium	3020	2870		mg/Kg		95.0	76.2 - 123.8			
Manganese	282	277.8		mg/Kg		98.5	81.6 - 118.0			
Nickel	56.4	59.89		mg/Kg		106.2	82.2 - 117.8			
Potassium	3810	3580		mg/Kg		94.0	73.6 - 126.4			
Selenium	158	158.2		mg/Kg		99.8	79.2 - 120.8			
Silver	33.8	34.33		mg/Kg		101.6	66.4 - 133.9			

TestAmerica Buffalo

# QC Sample Results

Client: HRP Associates, Inc.  
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

## Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-101153/2-A  
Matrix: Solid  
Analysis Batch: 101276

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 101153

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Sodium	650	605.9		mg/Kg		93.2	73.6 - 126.2
Thallium	119	125.4		mg/Kg		105.7	81.1 - 119.3
Vanadium	56.1	55.21		mg/Kg		98.4	72.8 - 127.2
Zinc	137	140.4		mg/Kg		102.8	81.0 - 119.0

Lab Sample ID: LCSSRM 480-101153/2-A  
Matrix: Solid  
Analysis Batch: 101396

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 101153

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	165	170.7		mg/Kg		103.2	83.1 - 116.3

## Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 480-100884/1-A  
Matrix: Solid  
Analysis Batch: 100921

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 100884

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.0081	mg/Kg		01/24/13 10:15	01/24/13 11:49	1

Lab Sample ID: LCDSRM 480-100884/3-A  
Matrix: Solid  
Analysis Batch: 100921

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 100884

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	3.77	4.19		mg/Kg		111.1	50.9 - 149.1	6	30

Lab Sample ID: LCSSRM 480-100884/2-A  
Matrix: Solid  
Analysis Batch: 100921

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 100884

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	3.77	3.93		mg/Kg		104.4	50.9 - 149.1

## Method: 9012A - Cyanide, Total and/or Amenable

Lab Sample ID: MB 480-101137/2-A  
Matrix: Solid  
Analysis Batch: 101163

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 101137

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.526	J	0.97	0.47	mg/Kg		01/25/13 19:29	01/27/13 23:38	1

TestAmerica Buffalo

# QC Sample Results

Client: HRP Associates, Inc.  
 Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

## Method: 9012A - Cyanide, Total and/or Amenable (Continued)

**Lab Sample ID: LCS 480-101137/1-A**

**Matrix: Solid**

**Analysis Batch: 101163**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 101137**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	25.6	20.69		mg/Kg		81	29 - 122

**Lab Sample ID: 480-31949-4 MS**

**Matrix: Solid**

**Analysis Batch: 101163**

**Client Sample ID: LAB COMP 2, 3, 4**

**Prep Type: Total/NA**

**Prep Batch: 101137**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	ND		10.6	10.16		mg/Kg	✳	96	85 - 115

**Lab Sample ID: 480-31949-4 DU**

**Matrix: Solid**

**Analysis Batch: 101163**

**Client Sample ID: LAB COMP 2, 3, 4**

**Prep Type: Total/NA**

**Prep Batch: 101137**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Cyanide, Total	ND		ND		mg/Kg	✳	NC	15

# QC Association Summary

Client: HRP Associates, Inc.  
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

## GC/MS VOA

### Prep Batch: 100929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-31949-1	SS-1(A) 011813	Total/NA	Solid	5035	
480-31949-2	SS-1(B) 011813	Total/NA	Solid	5035	
480-31949-3	SS-1(C) 011813	Total/NA	Solid	5035	

### Analysis Batch: 101209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-31949-1	SS-1(A) 011813	Total/NA	Solid	8260B	100929
480-31949-2	SS-1(B) 011813	Total/NA	Solid	8260B	100929
480-31949-3	SS-1(C) 011813	Total/NA	Solid	8260B	100929
LCS 480-101209/4	Lab Control Sample	Total/NA	Solid	8260B	
MB 480-101209/6	Method Blank	Total/NA	Solid	8260B	

## GC/MS Semi VOA

### Prep Batch: 100991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-31949-4	LAB COMP 2, 3, 4	Total/NA	Solid	3550B	
480-31949-4 MS	LAB COMP 2, 3, 4	Total/NA	Solid	3550B	
480-31949-4 MSD	LAB COMP 2, 3, 4	Total/NA	Solid	3550B	
LCS 480-100991/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 480-100991/1-A	Method Blank	Total/NA	Solid	3550B	

### Analysis Batch: 101211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-31949-4	LAB COMP 2, 3, 4	Total/NA	Solid	8270C	100991
480-31949-4 MS	LAB COMP 2, 3, 4	Total/NA	Solid	8270C	100991
480-31949-4 MSD	LAB COMP 2, 3, 4	Total/NA	Solid	8270C	100991
LCS 480-100991/2-A	Lab Control Sample	Total/NA	Solid	8270C	100991
MB 480-100991/1-A	Method Blank	Total/NA	Solid	8270C	100991

## GC Semi VOA

### Prep Batch: 100992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-31949-4	LAB COMP 2, 3, 4	Total/NA	Solid	3550B	
480-31949-4 MS	LAB COMP 2, 3, 4	Total/NA	Solid	3550B	
480-31949-4 MSD	LAB COMP 2, 3, 4	Total/NA	Solid	3550B	
LCS 480-100992/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 480-100992/1-A	Method Blank	Total/NA	Solid	3550B	

### Prep Batch: 100993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-31949-4	LAB COMP 2, 3, 4	Total/NA	Solid	3550B	
LCS 480-100993/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 480-100993/1-A	Method Blank	Total/NA	Solid	3550B	

### Analysis Batch: 101006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-31949-4	LAB COMP 2, 3, 4	Total/NA	Solid	8081A	100992
480-31949-4 MS	LAB COMP 2, 3, 4	Total/NA	Solid	8081A	100992

TestAmerica Buffalo

# QC Association Summary

Client: HRP Associates, Inc.  
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

## GC Semi VOA (Continued)

### Analysis Batch: 101006 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-31949-4 MSD	LAB COMP 2, 3 ,4	Total/NA	Solid	8081A	100992
LCS 480-100992/2-A	Lab Control Sample	Total/NA	Solid	8081A	100992
MB 480-100992/1-A	Method Blank	Total/NA	Solid	8081A	100992

### Analysis Batch: 101181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-31949-4	LAB COMP 2, 3 ,4	Total/NA	Solid	8082	100993
LCS 480-100993/2-A	Lab Control Sample	Total/NA	Solid	8082	100993
MB 480-100993/1-A	Method Blank	Total/NA	Solid	8082	100993

## Metals

### Prep Batch: 100884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-31949-4	LAB COMP 2, 3 ,4	Total/NA	Solid	7471A	
LCDSRM 480-100884/3-A LCDS	Lab Control Sample Dup	Total/NA	Solid	7471A	
LCSSRM 480-100884/2-A	Lab Control Sample	Total/NA	Solid	7471A	
MB 480-100884/1-A	Method Blank	Total/NA	Solid	7471A	

### Analysis Batch: 100921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-31949-4	LAB COMP 2, 3 ,4	Total/NA	Solid	7471A	100884
LCDSRM 480-100884/3-A LCDS	Lab Control Sample Dup	Total/NA	Solid	7471A	100884
LCSSRM 480-100884/2-A	Lab Control Sample	Total/NA	Solid	7471A	100884
MB 480-100884/1-A	Method Blank	Total/NA	Solid	7471A	100884

### Prep Batch: 101153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-31949-4	LAB COMP 2, 3 ,4	Total/NA	Solid	3050B	
LCDSRM 480-101153/3-A LCDS	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 480-101153/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 480-101153/1-A	Method Blank	Total/NA	Solid	3050B	

### Analysis Batch: 101276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-31949-4	LAB COMP 2, 3 ,4	Total/NA	Solid	6010B	101153
LCDSRM 480-101153/3-A LCDS	Lab Control Sample Dup	Total/NA	Solid	6010B	101153
LCSSRM 480-101153/2-A	Lab Control Sample	Total/NA	Solid	6010B	101153
MB 480-101153/1-A	Method Blank	Total/NA	Solid	6010B	101153

### Analysis Batch: 101396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCDSRM 480-101153/3-A LCDS	Lab Control Sample Dup	Total/NA	Solid	6010B	101153
LCSSRM 480-101153/2-A	Lab Control Sample	Total/NA	Solid	6010B	101153

## General Chemistry

### Analysis Batch: 100932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-31949-1	SS-1(A) 011813	Total/NA	Solid	Moisture	

TestAmerica Buffalo

# QC Association Summary

Client: HRP Associates, Inc.  
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

## General Chemistry (Continued)

### Analysis Batch: 100932 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-31949-2	SS-1(B) 011813	Total/NA	Solid	Moisture	
480-31949-3	SS-1(C) 011813	Total/NA	Solid	Moisture	

### Prep Batch: 101137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-31949-4	LAB COMP 2, 3, 4	Total/NA	Solid	9012A	
480-31949-4 DU	LAB COMP 2, 3, 4	Total/NA	Solid	9012A	
480-31949-4 MS	LAB COMP 2, 3, 4	Total/NA	Solid	9012A	
LCS 480-101137/1-A	Lab Control Sample	Total/NA	Solid	9012A	
MB 480-101137/2-A	Method Blank	Total/NA	Solid	9012A	

### Analysis Batch: 101163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-31949-4	LAB COMP 2, 3, 4	Total/NA	Solid	9012A	101137
480-31949-4 DU	LAB COMP 2, 3, 4	Total/NA	Solid	9012A	101137
480-31949-4 MS	LAB COMP 2, 3, 4	Total/NA	Solid	9012A	101137
LCS 480-101137/1-A	Lab Control Sample	Total/NA	Solid	9012A	101137
MB 480-101137/2-A	Method Blank	Total/NA	Solid	9012A	101137

### Analysis Batch: 101451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-31949-4	LAB COMP 2, 3, 4	Total/NA	Solid	Moisture	



# Lab Chronicle

Client: HRP Associates, Inc.  
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

## Client Sample ID: SS-1(A) 011813

Lab Sample ID: 480-31949-1

Date Collected: 01/18/13 14:00

Matrix: Solid

Date Received: 01/23/13 04:00

Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			100929	01/24/13 13:21	JMB	TAL BUF
Total/NA	Analysis	8260B		1	101209	01/28/13 15:26	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	100932	01/24/13 13:26	JMB	TAL BUF

## Client Sample ID: SS-1(B) 011813

Lab Sample ID: 480-31949-2

Date Collected: 01/18/13 14:00

Matrix: Solid

Date Received: 01/23/13 04:00

Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			100929	01/24/13 13:21	JMB	TAL BUF
Total/NA	Analysis	8260B		1	101209	01/28/13 15:52	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	100932	01/24/13 13:26	JMB	TAL BUF

## Client Sample ID: SS-1(C) 011813

Lab Sample ID: 480-31949-3

Date Collected: 01/18/13 14:00

Matrix: Solid

Date Received: 01/23/13 04:00

Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			100929	01/24/13 13:21	JMB	TAL BUF
Total/NA	Analysis	8260B		1	101209	01/28/13 16:17	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	100932	01/24/13 13:26	JMB	TAL BUF

## Client Sample ID: LAB COMP 2, 3, 4

Lab Sample ID: 480-31949-4

Date Collected: 01/18/13 14:00

Matrix: Solid

Date Received: 01/23/13 04:00

Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			100991	01/25/13 06:58	DE	TAL BUF
Total/NA	Analysis	8270C		1	101211	01/28/13 16:36	HTL	TAL BUF
Total/NA	Prep	3550B			100992	01/25/13 07:01	DE	TAL BUF
Total/NA	Analysis	8081A		1	101006	01/25/13 13:58	LW	TAL BUF
Total/NA	Prep	3550B			100993	01/25/13 07:03	CM	TAL BUF
Total/NA	Analysis	8082		1	101181	01/28/13 13:26	JM	TAL BUF
Total/NA	Prep	7471A			100884	01/24/13 10:15	JRK	TAL BUF
Total/NA	Analysis	7471A		1	100921	01/24/13 12:13	JRK	TAL BUF
Total/NA	Prep	3050B			101153	01/26/13 13:00	SS	TAL BUF
Total/NA	Analysis	6010B		1	101276	01/28/13 14:07	AH	TAL BUF
Total/NA	Prep	9012A			101137	01/25/13 19:29	LAW	TAL BUF
Total/NA	Analysis	9012A		1	101163	01/27/13 23:39	BM	TAL BUF
Total/NA	Analysis	Moisture		1	101451	01/30/13 01:25		TAL BUF

**Laboratory References:**

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TestAmerica Buffalo

# Certification Summary

Client: HRP Associates, Inc.  
 Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

## Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-13
California	NELAP	9	1169CA	09-30-13
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAP	4	E87672	06-30-13
Georgia	State Program	4	N/A	03-31-13
Georgia	State Program	4	956	06-30-13
Georgia	State Program	4	956	06-30-13
Illinois	NELAP	5	200003	09-30-13
Iowa	State Program	7	374	03-01-13
Kansas	NELAP	7	E-10187	01-31-13
Kentucky	State Program	4	90029	12-31-13
Kentucky (UST)	State Program	4	30	04-01-13
Louisiana	NELAP	6	02031	06-30-13
Maine	State Program	1	NY00044	12-04-13
Maryland	State Program	3	294	03-31-13
Massachusetts	State Program	1	M-NY044	06-30-13
Michigan	State Program	5	9937	04-01-13
Minnesota	NELAP	5	036-999-337	12-31-13
New Hampshire	NELAP	1	2973	09-11-13
New Hampshire	NELAP	1	2337	11-17-13
New Jersey	NELAP	2	NY455	06-30-13
New York	NELAP	2	10026	03-31-13
North Dakota	State Program	8	R-176	03-31-13
Oklahoma	State Program	6	9421	08-31-13
Oregon	NELAP	10	NY200003	06-09-13
Pennsylvania	NELAP	3	68-00281	07-31-13
Rhode Island	State Program	1	LAO00328	12-31-13
Tennessee	State Program	4	TN02970	04-01-13
Texas	NELAP	6	T104704412-11-2	07-31-13
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAP	3	460185	09-14-13
Washington	State Program	10	C784	02-10-13
West Virginia DEP	State Program	3	252	09-30-13
Wisconsin	State Program	5	998310390	08-31-13

# Method Summary

Client: HRP Associates, Inc.  
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081A	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
6010B	Metals (ICP)	SW846	TAL BUF
7471A	Mercury (CVAA)	SW846	TAL BUF
9012A	Cyanide, Total and/or Amenable	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF

**Protocol References:**

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

# Sample Summary

Client: HRP Associates, Inc.  
Project/Site: Barthelmes Manufacturing

TestAmerica Job ID: 480-31949-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-31949-1	SS-1(A) 011813	Solid	01/18/13 14:00	01/23/13 04:00
480-31949-2	SS-1(B) 011813	Solid	01/18/13 14:00	01/23/13 04:00
480-31949-3	SS-1(C) 011813	Solid	01/18/13 14:00	01/23/13 04:00
480-31949-4	LAB COMP 2, 3,4	Solid	01/18/13 14:00	01/23/13 04:00

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Chain of Custody Record

<b>Client Information</b> Client Contact: Patrick Rodman Phone: 518-877-7101 Company: HRP Associates, Inc. Address: 1 Fairchild Square Suite 110 City: Clifton Park State, Zip: NY, 12065 Phone: 518-877-7101(Tel) Email: Patrick.rodman@hrpassociates.com Project Name: Barthelmes Manufacturing Site: BMC/Scitisc LLC		Lab PM: Schove, John E-Mail: john.schove@testamericainc.com Carrier Tracking No(s): Job # NEW 9624.P2	
Due Date Requested: TAT Requested (days): 10 PO #: WAAF-00168 WO #: Project#: NEW9624.P2 Project #: 48004833 SSOW#		Analysis Requested VOC 8260 PCBs / Pesticides STAC I Clonide	
Sample Identification 55-1 011813 55-2 55-3 55-4 Lab sample 23,4 130		Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> N Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> N Total Number of Containers <input checked="" type="checkbox"/> X Special Instructions/Note: Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2OAS Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - ph 4-5 Z - other (specify)	
Sample Date 1/18/13 1/18/13 1/18/13 1/18/13 1/22/13		Sample Time 14:00 14:00 14:00 14:00 -	
Sample Type (C=Comp, G=grab) Preservation Code: Solid Solid Solid Solid Solid Solid Solid Solid		Matrix (Water, Solid, Other) (BTEXAS, AAR) Solid Solid Solid Solid Solid Solid Solid Solid	
Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological			
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Empty Kit Relinquished by: Relinquished by: [Signature] Relinquished by: [Signature] Relinquished by: [Signature]			
Date: 1/23/13 Date: 1/23/13 Date: 1/23/13		Date/Time: 11/23/13 12:23 Date/Time: 01/23/13 04:06 Date/Time:	
Date: 1/23/13 Date: 1/23/13 Date: 1/23/13		Company: A Company: A Company: FA	
Custody Seal No.: Δ Yes Δ No		Cooler Temperature(s) °C and Other Remarks: 2.8 FCE #3	



## Login Sample Receipt Checklist

Client: HRP Associates, Inc.

Job Number: 480-31949-1

**Login Number: 31949**

**List Source: TestAmerica Buffalo**

**List Number: 1**

**Creator: Janish, Carl**

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	HRP
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	



## Appendix H – Photo Log

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# Site Photographs

## Orchard-Whitney RI Report



Photo No. 1 – Waste drums stored in tunnel during hazardous materials survey, 2006.



Photo No. 2 – View of south side of 415 Orchard Street building, 2006.



Photo No. 3 – View of treated wood block floor in 415 Orchard St. building, 2006.



Photo No. 4 – Moss growing on interior floor of 415 Orchard St. building, 2006.

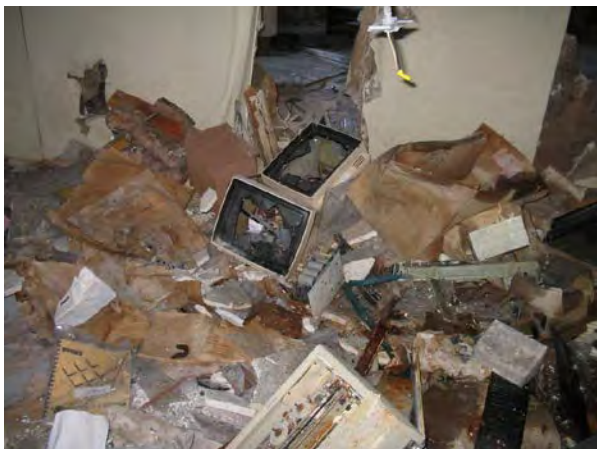


Photo No. 5 – Vandalism and weather damage in 415 Orchard St. building, 2006.



Photo No. 6 – Burned office materials following arson fire in 415 Orchard St. building, 2006.



# Site Photographs

## Orchard-Whitney RI Report



Photo No. 7. – Peeling interior paint during lead survey in 415 Orchard St. building, 2006.



Photo No. 8. – Interior of Low-Rise building, 2006.



Photo No. 9. – Paint related waste materials in Low-Rise building, 2006.



Photo No. 10. – 3 electrical transformers mounted on south wall of 415 Orchard St. building, 2006.



Photo No. 11 – View looking east at former rail line and 415 Orchard St. building, 2006.



Photo No. 12 – View looking south at UST tank vault area adjacent to former plating area 2006.

# Site Photographs

## Orchard-Whitney RI Report



**Photo No. 13 – Bagged waste materials during abatement in Low-Rise building, 2008.**



**Photo No. 14 – Asbestos-containing piping during 354 Whitney St. abatement, 2008.**



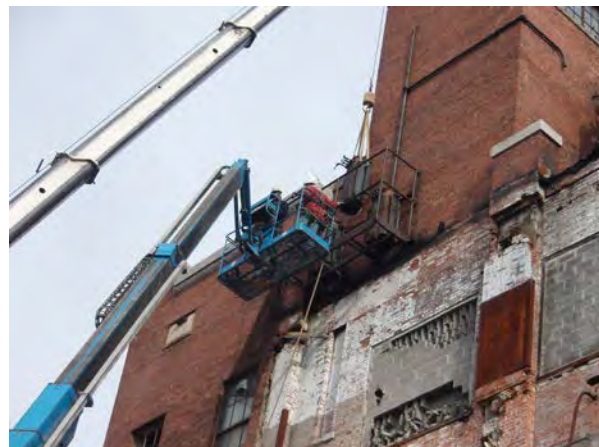
**Photo No. 15 – View of asbestos abatement tent in 354 Whitney St. building, 2008.**



**Photo No. 16 – Hazardous material removal in 354 Whitney St. building, 2008.**



**Photo No. 17 – Hazardous materials staged for disposal in 354 Whitney St. building, 2008.**



**Photo No. 18 – Removal of transformers from 415 Orchard St. building, 2008.**

# Site Photographs

## Orchard-Whitney RI Report



Photo No. 19 – Transformer removal process at 415 Orchard St. building, 2008.



Photo No. 20 – Transformers from 415 Orchard St. building staged for disposal, 2008.



Photo No. 21 – Titan removing over-pack drums of hazardous materials from 354 Whitney St. bldg., 2008.



Photo No. 22. – Labeling of hazardous material drums for disposal, 2008.



Photo No. 23. – Disposal of hazardous materials from 354 Whitney St. building, 2008.



Photo No. 24. – Titan Wrecking demolishing 354 Whitney St. bldg., 2008.

# Site Photographs

## Orchard-Whitney RI Report



Photo No. 25 – View to south at demolition of 354 Whitney St. building, 2008.



Photo No. 26 – South view of demolition of 354 Whitney St. building, 2008.



Photo No. 27 – View looking north at building demolition & material segregation, 2008.



Photo No. 28- View looking south at tower collapse during demolition, 2008.



Photo No. 29. – View south at dust suppression measures during demolition, 2008.



Photo No. 30- View looking south at boiler house demolition activity, 2008.

# Site Photographs

## Orchard-Whitney RI Report



Photo No. 31 – View looking south at chimney after boiler house demolition, 2008.



Photo No. 32 – View looking south at disposal of former chimney ash material, 2008.



Photo No. 33 – View looking west at chimney ash/debris ready for disposal, 2008.



Photo No. 34 – View looking southwest at installation of soil boring SB-20, 2008.



Photo No. 35 – Soil boring SB-03 installation east of Site along Orchard Street, 2008.



Photo No. 36 - Completion of MW-9 in Whitney Street sidewalk, 2008.

# Site Photographs

## Orchard-Whitney RI Report



Photo No. 37 – View of MW-12 bedrock core, 2008.



Photo No. 38 – Hoe-ram breaking concrete slab at floor drain for test pit access, 2008.



Photo No. 39 – Hoe-ram accessing UST cover system, 2008.



Photo No. 40 – Lu assessing UST system on west side of 415 Orchard bldg., 2008.



Photo No. 41 – Excavation of TP-03 on north side of hydraulic lift, 2008.



Photo No. 42 - Grey petroleum-discolored soil from 9 to 11 ft. bgs in TP-03, 2008.

# Site Photographs

## Orchard-Whitney RI Report



Photo No. 43 – View looking southeast while excavating test pit TP-08, 2008.



Photo No. 44 – View looking east at excavation of test pits, 2008.



Photo No. 45 – Low-flow groundwater sampling at MW-06, 2008.



Photo No. 46 – View looking northeast at demolition of Low-Rise structure, 2009.



Photo No. 47 – View looking east at Low-Rise demolition activity, 2009.



Photo No. 48 - RG&E removing electrical transformer from center of Site, 2009.

# Site Photographs

## Orchard-Whitney RI Report



Photo No. 49 – TREC removing bldg demo debris for UST/plating area investigation, 2011.



Photo No. 50 – TREC removing concrete cover & exposing UST vault system, 2011.



Photo No. 51 – View of 9 USTs contained within concrete vault system, 2011.



Photo No. 52 – TREC removing sand bedding material for vault inspection, 2011.



Photo No. 53 – Placing flowable fill in Tank 1-5 vault, 2011.



Photo No. 54 – View looking east at excavation of test pit TP-19 on berm, 2011.



# Site Photographs

## Orchard-Whitney RI Report



Photo No. 55 – View looking east at excavation of test pit TP-25, 2011.



Photo No. 56 – Nothnagle Drilling installing MW-23 in former Low-Rise area, 2011.



Photo No. 57 – Nothnagle Drilling completing MW-25, 2011.



Photo No. 58 – Nothnagle installing Plating Area boring PA-07, 2011.



Photo No. 59 – Nothnagle Drilling installing boring PA-18, west of Plating Area, 2011.



Photo No. 60 – Removing/staging chimney debris (Plating Area wells in background), 2012.

# Site Photographs

## Orchard-Whitney RI Report

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**Photo No. 61 – OP-TECH applying molasses solution to Plating Area excavation, 2012.**



**Photo No. 62 – Installation of 2" backfilled wells in former Plating Area, 2012.**



**Photo No. 63 – Final backfilling of northeast corner of Plating Area excavation, 2012.**



**Photo No. 64 – OP-TECH loading contaminated soil into truck for off-site disposal, 2012.**

## Appendix I – Copy of Field Notes

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[Digital Copy Only]

9/23/08 Orchard-Whitney

①

Weather: 65°, sunny.

9:00 GFA arrive on site

Laura Smith, Dennis Bell

Jan Forbes arrive

9:45 Pirogon on site.

Jan Forbes off site.

safety meeting

10:30 Dist tracks found on main form

↑ upwind + ↓ downwind location

10:31 Begin split spoon sampling @

TB-01 on east side of Orchard St.

12:00 Re-set on new location 20'S

// of original

12:10 retrieve 1st spoon 4-6'

12:30 retrieve 7's by on basement

12:50 moving rig to TB-2

moving Dist Tracks to TB-2 @

chop shop -

9-23-08

12:50 Skipped location N. of TB-01 to verify depth of backhoe

13:00 Set up at TB-02 near corner of Lyell + Orchard St - west side of road.

13:30 Drilling at TB-02. Wet at ~ 7' bgs.

Auger refused on rock @ 18' bgs.

14:45 Overburden well to be installed at TB-02. Screened from 18' → 16' bgs.

Sand pack up to 4.5' bgs and

⑤ ~~Remove bentonite gravel to surface.~~

~~Flush bentonite in curb box.~~

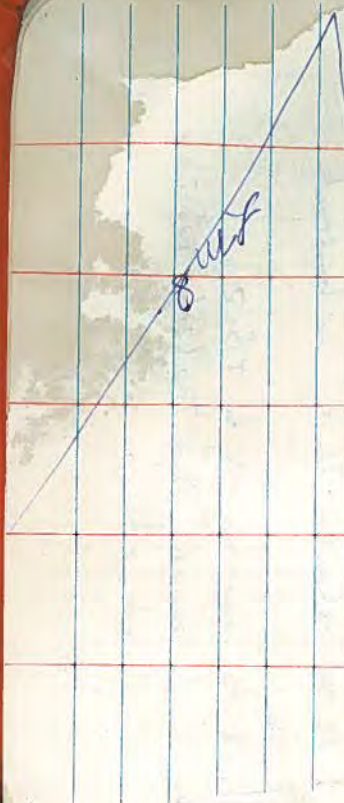
bentonite to 3 bgs. Bentonite gravel mixture to surface. Well is MW-08

(MW-7) Flush-mounted in curb box.

15:50 Complete well and pack up.

17:00 Review drilling locations on Whitney St. with drillers.

17:30 Complete work. DTF-site.



Orchard - Whitney glayloc

0730	Paragon on site + done well completion at TB-02
	Moved to TB-03 track
	Laura Smith (U) + Dennis Fick (U) on site.
0835	Prepare to drill at TB-03 on Orchard St.
0900	TB-03: refusal at ~ 10.5' bgs. Wet at ~ 8' bgs. No PID readings.
0920	Complete TB-03 and move to Whitney St.
0945	Drillers constructing deep pad on-site next to GenEx box.
10:30	Decontaminating augers.
10:40	Set-up and begin air monitoring at TB-04 near RR tracks on Whitney St.
11:00	Corrig through sidewalk on east side of Whitney.
11:15	begin split spoon sampling @ TB-04.
13:00	Continue sampling @ TB-04.
	Todd Caffee, NYSDEC on-site
14:00	TB-04 total depth <sup>19'</sup> <del>20'</del> <sub>imp</sub>
	Adcock @ 18 to 19 bgs. Wet zone 9-14'
	Well installed on top of rock.
	Wet 15' screen well is MW-09

9/24/08

Orchard-Whitney

1935 Todd Caffee off-site

Note: Discussion regarding well placement while Todd Caffee was on site.

Auger repaired at 19:20. Work plan calls for 10' of rock core. However,

Drillers do not have a short 2' auger as they can't core without water going everywhere. Also there is ~ 7' of water inside the augers. After consulting w/Todd Caffee - He gives OK to set well as overburden well on top of bedrock.

15:30 Borehole mu-8 (TB-04) with sand to 3' bgs. Screened 19.2' -> 4.2'

Bentonite seal to 2' bgs. Grout to surface. Completed Flush-mount in curb box.

16:20 mu-9 complete. 4ft beam augers on decom pad.

16:25 Off-site. 2 drums soil cuttings stored on-site next to decom pad.

17:00

~~18:00~~

9/25/08

07:30 -	Paragon - Robert + Tim arrive Laura Smith (LU) onsite to continue soil boring.
08:00 -	Begin air monitoring.
08:00 -	Begin split-spoon sampling at TB-05 on west side of Whitney St.
08:15 -	Rachael Frensdorff (LU) onsite.
09:00 -	TB-05 completed to rock @ 10.7' bgs.
09:30 -	Backfill boring and move to TB-06 near H&S Motors.
09:55 -	Begin coring asphalt at TB-06.
10:45 -	Split-spoon sampling at TB-06. Rock retrieval @ 13' bgs. Jeff Grant, Paragon on-site Craig Andrus (LU) onsite.
11:30 -	Preparing to core @ TB-06.
11:45 -	Tim Forbes on site loading soil drums
12:05 -	Grout Grout off site, begin core cur #1, start off site
12:25 -	Ask if beginning of core sum 1 drum to move to fill H&S tank

9/25/08

screen

1:35 - setting well from 18.4' - 8.4'

- sand to 6.4'

- 1' bentonite to 5.4'

- Bentonite grout to 1' bags.

well is NW-10

2:15 still completing the well

2nd/3rd eyes up - safety curb back

2:30 still setting well

3:20 Moved to down pedal

tools, still down

pick-up monitoring equipment

4:00 down complete moved on

top of beam @ S. side of site

for TB-07

4:10 drilling is not easy due to

large amt. of brick + C+D shells.

4:45 moved to location 7' W

drilled to 10' 50-10' 90'

spooned 10-11.4 no PID pm.

- retest @ 11.4, eyes retest also

9/25/08

③

4:50

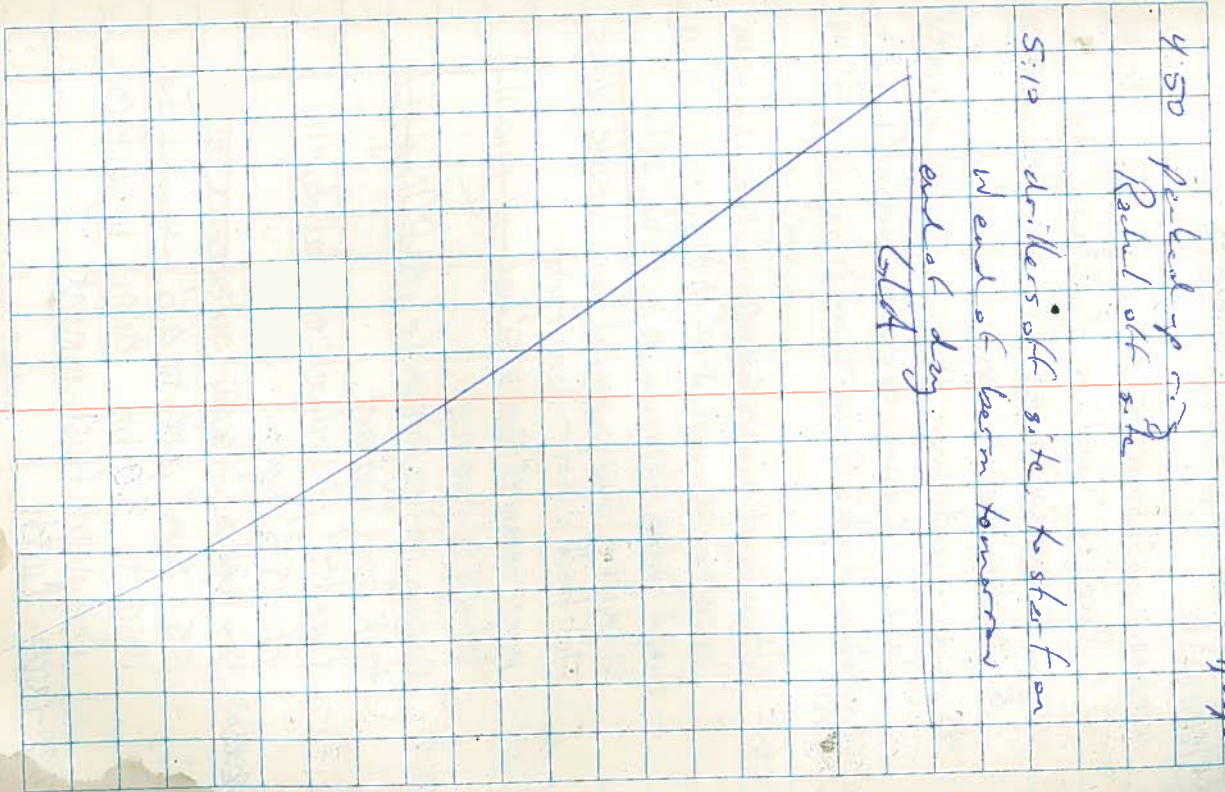
pick-up on  
Re-test off site

5:10 drillers off site to start on

W end of beam tomorrow

end of day

GLD



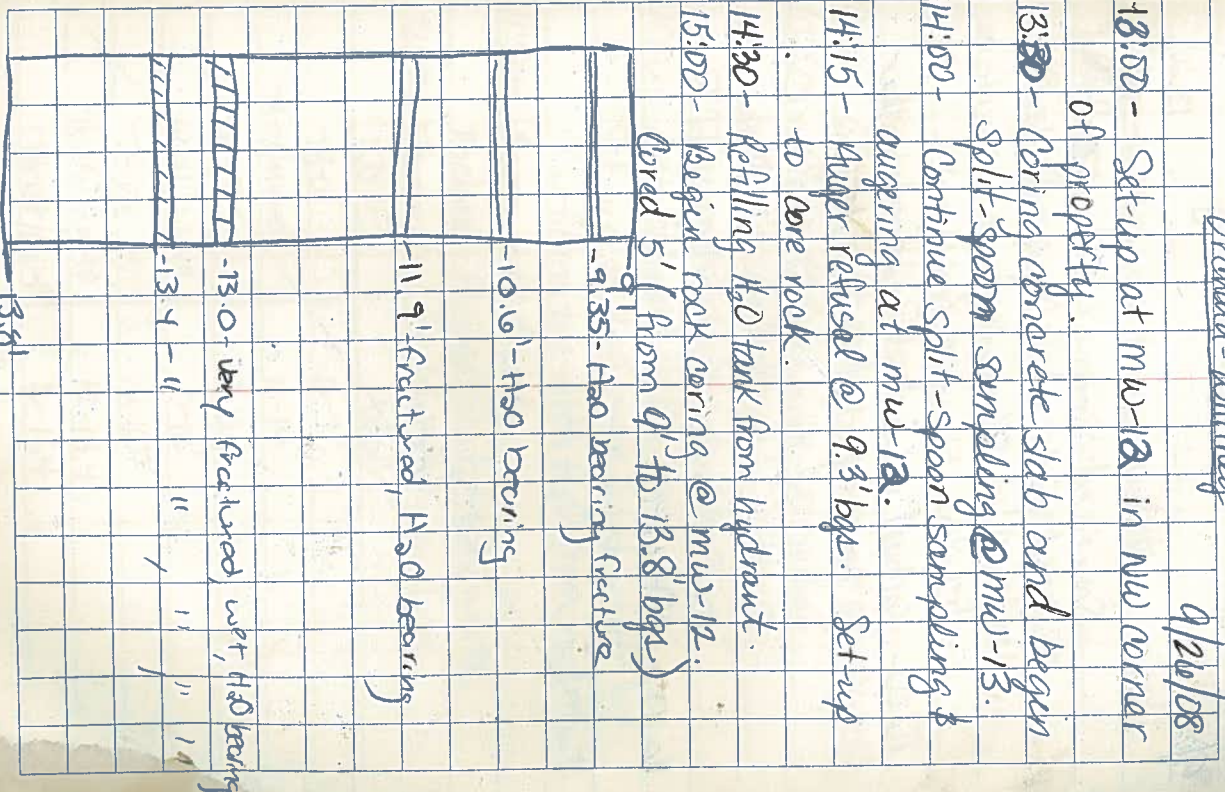
Orchard-Whitney

- 9/26/08  
 weather: 1st overcast  
 8:00 - Raegan "Bob + Tim" mite Laura + Rachael of Lu mites to continue well being.  
 8:35 - Set-up at mu-11 near SW corner of Aite. Begin air monitoring (log 2)  
 9:00 - Greg Andrews mite.  
 9:20  
 9:30 - Begin Split-spoon sampling @ mu-11.  
 Concrete slab was 8-10" thick.  
 - Green Dodge Caravan returns to site - stealing scrap metal from inside bldgs. Notified city - Jane Forbes.  
 10:00 - Auger refusal @ ~ 10.5' bgs at mu-11. Set-up to core rock.  
 10:30 - Begin coring @ mu-11. Re-Filling H<sub>2</sub>O tank from hydrant.  
 11:30 - Corred 5' of bedrock to total depth of 15.5' bgs.  
 12:00 - Set well at 15.5' 10' screen to 5.5' sand pack to 4.5' Bentonite chips to 3.0' bgs. Grout to surface. Completed flush-mount.  
 12:30-13:00 - Lunch

Orchard-Whitney

9/26/08

- 18:00 - Set-up at mu-12 in NW corner of property.  
 13:00 - Bring concrete slab and begin Split-spoon sampling @ mu-13.  
 14:00 - Continue Split-spoon sampling & augering at mu-12.  
 14:15 - Auger refusal @ 9.3' bgs. Set-up to core rock.  
 14:30 - Refilling H<sub>2</sub>O tank from hydrant.  
 15:00 - Begin rock coring @ mu-12. Corred 5' (from 0' to 13.8' bgs) - 9.35' H<sub>2</sub>O bearing fracture  
 - 10.0' - H<sub>2</sub>O bearing  
 - 11.9' - fractured, H<sub>2</sub>O bearing  
 - 13.0 - very fractured, w/ H<sub>2</sub>O bearing  
 - 13.4 - " " " "  
 13:41





Orchard-Whiskey

9/26/08

13:21

15:30 - Well installed to depth of ~~130'~~ 130' bgs.

Screened from 6:0' to 130'. Bentonite plug to 3' and grout to surface. Flush-mount completion.

16:00 - Reamed off-site. Concrete collar to be completed on Monday.

Drillers packing up for the week.

Drill rig to be left at CUMF on

Mt. Reed, up Jane Forbes, 1 off R.

16:10 - off-site

~~ATM~~

9/29/08

8:20 - Laura Smith (lead) onsite.

Weather: 60° rain showers

8:30 - Paragon Robert & Tim onsite.

Jane Forbes stops by to check in.

8:45 - Set up on MW-13 on western portion of Site.

9:00 - Begin split spoon sampling at MW-13.

10:00 - Greg Andrews (Lu) onsite.

Drillers lost auger bit in boring.

Trying to retrieve auger.

11:00 - Rock returned @ 8.7' bgs.

Set up to drill rock with roller bit.

Time filling up with H<sub>2</sub>O from hydrant.

11:50 - Begin rock drilling.

Kachael Freundschuh (Lu) onsite.

12:00 - Taking soil for laboratory analysis.

ID	Depth
TR-01	6-7'
TR-02/MW-08	10-14'
TR-03	8-10.6'
TR-04/MW-09	10-12'
TR-05	10-10.7'
TR-06/MW-10	12-13.4'
TR-07/MW-11	10-11.4'

9/29/08

Sample ID	Depth
1B08/MW-12	8-10'
1B09/MW-12	6-8'
(MS/NSD) 1B10/MW-13	4.5-7.5'

9.13  
1.25  
7.36

12:45 - Wellboring completed to 15' bgs. Screened from 5'-15'. Sand pack to 4'. Bentonite plug to 3'. Grout to surface. Flush - mounted in curb-box. completion.

13:00 - Containerizing drilling water. (25) Approximately 250 gals. water used for MW-13. ~225 gals. lost.

13:10 - Investigation-derived wastes do not need to be drummed per phone call w/ Todd Caffee, NYSDEC.

14:00 - MW-13 complete. Decon augers. Rachael developing MW-4 at NW corner of site.

14:10 - MW-7 DTL = 7.78' TOR  
Total depth = 9.38' TOR  
Well/riser diff = 0.36  
\* no T-plug or lock, cover broken

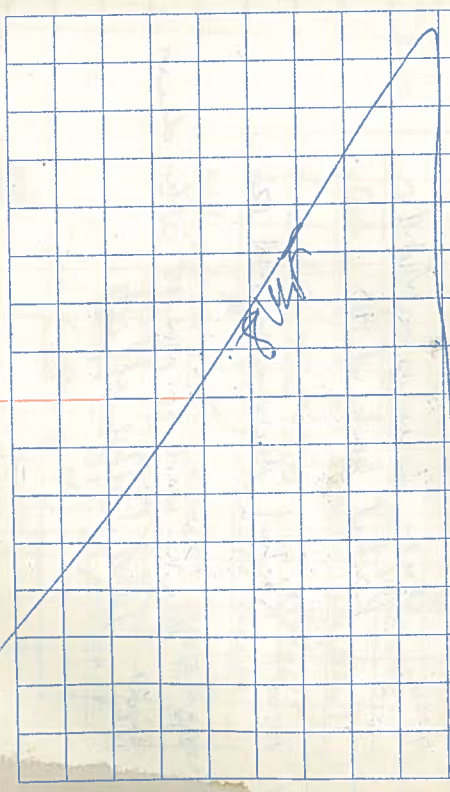
9/29/08

14:25 - Begin development of MW-7. Bailed dry 14:55. Very little recharge. Setup of MW-14 on west side of 1-story bldg. Decon complete.

15:10 - begin coring through concrete Dennis Peak, east of R. aquifer. off-site @ 15:30. 16:10 - Rachael (w) off-site. Bailed MW-7 dry again. Volume = 3.5 gals 440 NTU.

16:25 - Continue split-spun sampling MW-14. 16:50 - End development @ MW-7. Bailed dry 3x. Total Vol. = ~3.5 gals. Final turbidity = 260 NTU.

17:00 - Pack-up and finish for the day.



9/30/08

07:45 drillers on site

Dennis Pele, Bryan Bourdett

08:00 Drillers drive spinn to 15' 4" for  
refused - set up air monitoring

08:15 Rachel on site

Sent Rachel to get Min. RAE  
due to malfunction yesterday

08:30 well bore bell hole to 14'  
sitting well 14-4 w/ screen

set ~~down~~ <sup>up</sup> to 3',  
benchmark to 2'

grout to surface

9:30 Bryan developing MW #11

Rachel back w/ RD

10:00 Rachel developing MW-12

10:50 begin work at MW-15 after dinner  
11:30 Todd Caffer off site

12:30

Excavator on site - they  
got lost - told Todd  
that we will be excavating tomorrow  
also - he will return

1:00 MW-15, 15-5 screen, 2' bent grout

1:30 excavator hammering up concrete  
w/ hoe ram in former also stop  
- looks like hydraulic lift is  
present (and probably reservoir)

- hammer drain basins in  
also 2 or 3 also

1:50 - Rachel off site

2:00

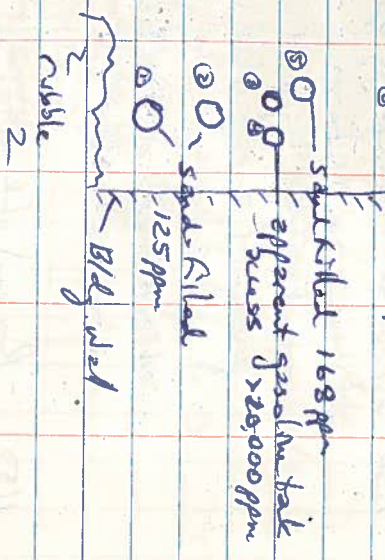
Removed/demolished concrete  
slab covers on tunnel (see plan)  
- tunnel is 12.5' T.D., w/ 5' HD  
- tunnel probably used to access  
bldg. basins for equipt. against/ingress  
- slab covers large enough to  
accommodate very large pieces of  
equipt (15 x 6 ft)

2:10 Driller moved to MW-16 location after hammering concrete to allow trying

2:20 Hammering concrete in waste

water tank area  
↑ 10' - fuel fill part

↑ N



#1 & #2 2 - 24" hole manways which have been filled with fine sand - sulphur odor

125 ppm on PID (both)

#3 Filled w/ dirt, small 12" manway H.

#4 - 1 12" hole cover with 2" steel

pipe with strong gasoline odor  
> 19,000 on PID

#5 1 - 24" manway filled with sand 168 ppm

#6 1 - fuel fill part in 12" manway

- 40' distance between 24" manway #5 + #7 (see diagram on p. 16)  
#7 appears to be top of process or fuel tank

Tank - "apparent" fuel oil  
Interface probe: 43' → 445 = 0.15' oil  
Bottom of tank = 8.9

4:20 moved to W side of site for investig. 2 hrs. in drain inlet + manway

uncovered sanitary manhole dry, no odor, N/A on PID

4:35 hammered pier footer nothing sign. gas + no bsnd. noted

4:45 Dennis still working w/ drillers on MW-16 location (to 20' b.g. w/ no bedrock)

4:50 drain inlet w/ grate full of soil sediment.

hammered grate out  
- containers oil-stained  
soils 35ppm

5:00 hammered W. side of site; observed 10' b.g. (burst of far-over bldg) 10ppm on PID

5:10 Dennis' Petle off site moved excavator

5:30 ponding holes in concrete for wells

5:45 will put in 20' screen in MW-12

5:50 off site  
GLA

10/1/08

7:45 LV onsite

8:10 Paragon onsite waiting for Tim (picking up sand)

8:25 Note (Paragon) operating excavator

clears out drill location for next well (MW-17) then fills area void @ North side of parking lot w/ clean brick fill.

Excavator then used to clear out area on South of site @ berm. Did not proceed w/ excavation at this location.

Paragon (Robert/Trin) finishing well installation

9:45 Begin excavation of TP-01 (Drainage inlet @ North of site). PID: 15ppm (highest PID)

Depth: 6.5 ft. Reached vapor zone. Sample taken (2). Slight odor (petroleum). No visible sheen observed. Clay tile pot w/ poured concrete base observed w/ pipe attached - dark, rich odorless material sampled.

Samples TP-01A - Soil sample TP-01B - Sample of mat'l from crack

10:15 - Drill rig moved - Finished MW-16, Begin MW-17

10:25 Begin excavation of TP-02 - (Drainage inlet 25' south of TP-01) Same inlet con. structure

Clay tile pot w/ poured concrete bottom but no visible contamination, no odor, no material.

(cont.) Depth: 5.5ft. Soil Sample taken only.  
Sample: TP-02 (soil sample) Pic #47

10:30 Todd Coffin on site.

- discussed well placement
- Todd agrees w/ the all locations and just wants to make sure we get adequate coverage of the site
- located at UST locations
- Todd thinks we may have to do the full removal later due to finding situation
- Todd is concerned about site safety and agrees that we should try to address the pits throughout the site soon.
- He thinks that since this is a HES issue for us as well as the public, it may be possible to get ERM money to cover the holes

- Todd and I discussed options due to scrap value of metal plates, we should consider alternatives (maybe plywood (reinforced)) and lay to that in the concrete slab.

10:55 - Begin TP-03 - Hydraulic Lift.

PID: 15 ppm (highest) Depth 9.0ft.

Soil in vedose zone has evidence of contamination. Little to no evidence in first 7ft of excavation. Contaminated soil has dark grey color, very moist w/ gravel inclusions, & strong odor (possibly more than petroleum: ex solvents?).

Samples: TP-03A - Soil sample

~~TP-03B~~ - Cont. nail sample

Pics: #48, 49 → Analyzed as TP-03

TP-03A not analyzed as MS/MSD

11:55 discussed do to a pipe re. situation portion of site being excavated. No intrusive methods planned. CID + RR access Todd says we will just have to do it we can.

11:55 Begin TP-04 In open area -

Attempting to get a soil sample below the concrete basement floor. Concrete broken yesterday w/ hammer.

Begin excavating out debris to get at soil today. Approx 2-3 ft of water in basement - excavator dug approx. 2 ft below concrete floor. No visible contamination or odor. PID = 0.0 ppm.

Sample taken of water in soil w/ no visible evidence of contamination. Sample: TP-04 soil sample Pic # 50.

1:30 Todd C + Steve F at site. No steel on site developing walls

1:40 Drillers starting MW-17 will use 1/2 drum 25 sanitation. Set concrete due to excavation around well

1:55 starting TP-06 located 100' SW of house. Begin developing MW-88

2:50 completed TP-05 found clay drainage cracks w/ solid bottom (not poured concrete like the 1st 2)

- included 2-4" piping apparently draining SW from crack - pipe was full of black sediment with strong magic marker - like odor - crack fill also.

2:40 Per Todd C we are categorizing black sediment from cracks + piping (1 drum)

2:45 drillers cleaning rig + equipment. preparing sample from MW-17

3:30 backfilled TP-85, located at MW-4 cold out + kind drillers starting on MW-18 near hydraulic lift. Beginning to excavate TP-06 100' W of transformer. 28.5 ppm magic marker odor dug @ 9.5' bedrock

3:55 begin looking for MW-1 beneath  
Kamets did not find

4:15 Test Pit #7 excavated  
strong gasoline odor  
400 ppm PID at top  
of excavation

conf in metal soils began @ 5' by 4'

5:00 drillers working on MW-18

5:15 depart site for day

GLA



Epilogue:

5:40 drillers setting MW-18

16.2 - 4.0 sand

4.0 - 2.0 bent.

2.0 - 0.0 gravel

Bronx Touring Truck 153 B.F. Rd. 328-4200  
0 ft site really. Plate # NY 29032-TW

GLA



10/2/08 On-site Whiting

07:30 drillers + backhoe/exc. on site  
setting well simpletons for  
MW-17 + 18

8:00 Demaris on site  
Rachel on site

8:20 begin drilling @ MW-19  
N. end of pad

8:40 drilling/developing MW-16

9:40 continuing to work on MW-19  
no indications of contamination

10:00 excavated TP-08 50' N.O.G

TP-07 90' deep on rock, sim soil  
N/O on (11D), collected sample

moving Rachel from MW-16 to 11  
to use whole pump

11:00 excavated TP-09 50' N.O.G TP-03  
collected sample 90' deep on rock  
similar soil



11:30 Rebar still setting up on MW-11  
 w/ wheel pump due to large  
 amount of standing H<sub>2</sub>O - using  
 excavator to re-grade away from  
 wall for drainage.

11:45 completed TP-09 backfill  
 began TP-10 40' S of TP-09  
 60' W of TP-07  
 drillers @ 15" 20hr roller  
 with drilling on MW-19

12:00 drillers getting more H<sub>2</sub>O @ MW-19  
 500 gal so far  
 TP-10 people feed to 9.4' (bedrock)  
 slight odor (asphalt?) no PID ppm  
 - collected sample

12:10 moving to TP-11 50' E of TP-09  
 12:20 similar soil to 9.5' below  
 Pink odor N/D on PID  
 collected sample - grey soil  
 encountered @ 9' +/- similar to  
 TP-07 but not contamination  
 indicated.

12:35 move to TP-12 after backfilling  
 TP-11 - TP-12 15' SW of transformer  
 hit concrete @ 3' will move 10'  
 West to TP-13

12:45 Dennis off site for food  
 began TP-13  
 also stopped @ 3' due to concrete  
 lots of C/D debris as TP-12  
 N/D on PID

1:00 excavating TP-14 on S. side of  
 tunnel immediately W. of fire  
 boiler hse.  
 No samples taken on TP-12 or 13 @

exc. to 10.5' west to steel clad casing  
 to at least 9' W. (cassions 4' in Ø)

west @ 9' similar soil to TP-11  
 no hydroc encountered  
 took sample

2:00 completed TP-15 to 10.5' water @ 9' H<sup>+</sup>

similar to TP-14 bit more CEAY at 4-7' layers - CEAY/Cut SAND

strong magnetic odor 950 ppm  
- Rebar moved to MW-12 + purged it dry w/ white pipe.

- took TP-15 sample from 4-7' layer  
Call other TP samples taken in volume or from max depth)

- TP-15 not apparently contaminated below 4-7' layer

2:30 moved stand to TP-16 in NW quadrant of site 25' +/- N. of MW-12

- dug to 10', includes deer tiles on W. side of conc. wall

- water at 9', no odor, 10' T.D. rock  
- did not sample to the proximity of MW-12

2:45 moved to TP-17, 60' E of transformer water pipe @ 15' end of French Creek @ 5' b.g.

eye to 10.5' water @ 7.6 no odor  
MW on pit. ~~no sample due to proximity of wells + other samples~~  
obtained samples from 10' depth

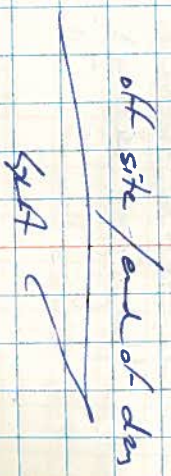
3:30 still drilling MW 20 adjacent to TP-07

- had to collar bit 5' to set well.  
17-5' sand bent to 3', great  
Note (should operate) off site

4:30 set well per above measurements  
laid out program for tomorrow w/ Dennis - Dennis off site

5:00 drillers preparing to steam clean

5:35 done steam cleaning



10/3/08

07:30 Dawn's Peak / GSA on site

driller ready on MW-21

- radiator on SW. truck blew last night

8:00 began drilling, very noisy on

drive system broke

down for 2.5 hr.

10:30 began drilling again had to

move off corner pier. Got where

initially marked well location was

10:45 began drilling again

see log

12:30 completed surveying / graving

@ 13', had 1st encounter @

6.0' +/- 50' need to do

core run (core run since

no less bitting takes too long +

is more effective @ sampling

Had from escaping)

1:30 begin purging MW-18

very turbid 5 gal / 4 min

1:45 drillers did not ask where

to set screen - set it @ 19'-9"

(below ambient H<sub>2</sub>O)

- have to flush out sand to set

screen w/ extra 4' (19'-5")

(18.3-4.3, sand to 35, 15 sand, 2.0' grout)

1:55 pulled screen re-setting well

2:20 drillers continue to set well

2:30 obtain soil sample from CTD

test pit w/ block matrix per

discovery / Todd Coffee

TIP-18, directly S. of boiler house

2:40 continuing to develop MW-18

cleaning up

- drillers finishing up on MW-21

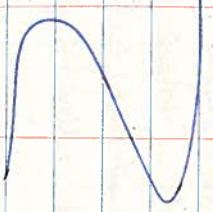
bottom of well now @ 18.3

15:45 move to TB-02 in middle of  
two plotting areas

16:45 completed TB-19  
refused @ 18.0'  
collected soil sample from  
15-17' (1.3 ppm)

cleaned up, picked up  
instruments

17:10 drillers at site  
left off site



TB-19  
0-5 no recovery

10/6/08

08:30 set up on site, getting equipment built  
ready for drilling TB-20 in  
concr. pad in center of form.

Backfill bldg slab 70' W. N. of  
test pit ~ TB-19 will be near  
stamped partitions of concr. pad.

09:10 drillers on site preparing to steam  
cleaning + tools

09:30 decontaminating

10:10 begin drilling @ TB-20

0-3' : 2.4 7.14 2% recovery

Gr. SILT and conc SAND, little conc  
GRAVEL. trace CLAY

logged upper cuttings. N/A

5-7' 2.4 14.5  
similar soil moist, no odor  
N/A

10-12' 3-7-50-11

bc/grey and GRAVEL and  
and SAND, some SILT  
wet, no odor N/D

terminated boring @  
'14.5

Dennis Peck on site

1140 Drilling set up at MW-22  
in court yard

1430 Drilling complete at MW-22  
Move to decom pad

1445 Test Annular on site for  
pile up

drillers decontam and dumping  
drums, Dennis Peck off site

15:20 decontam, disassembling pad  
sitting and completion on MW-7

15:35 drillers off site / Rachel off site

16:00 Bryan decontam MW-09  
Sam F on site, disassembled

Progress

16:20 Sam F off site

16:30 developing MW-10

17:20 removed 13 gal

to bed this well 25 gal

975 NTU

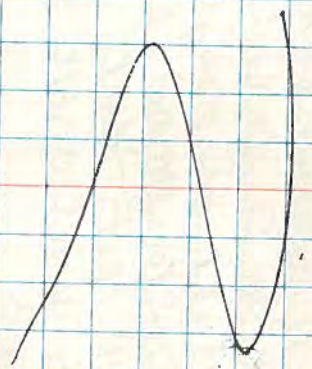
- well is developed w/ beaker

- need to use pump tomorrow

17:30 moved core boxes into Connex box  
Bryan off site.

17:40 off site  
end of day

GVA



10/7/08

- 8:45 Rachel onsite w/ equipment from Ashhead.
- 9:00 LHS + RCH onsite to perform groundwater sampling.
- 9:15 GLA onsite with keys to Conex box.
- 9:30 Walk over site to find wells and discuss development and sampling order.
- 10:00 GLA offsite, Rachel develop MW-13, organizing cables and sampling equipment.
- 10:30 Get set up on MW-3, LHS and MW-5, RCH.
- 11:00 LHS offsite to go to Ashhead for replacement flowmeters.
- 11:15 Talk to Greg, will have to hold off on sampling newly developed wells until next week.
- 12:15 LHS back onsite, sampling MW-3
- 12:30 Denis PeckCofR stops to check in.

10/7/08

- 12:30 Complete MW-5 sampling with duplicate
- 12:45 Take lunch
- 13:00 Set up on MW-12
- 14:00 Rachel off site, Purged MW-3, MW-20 + MW-17
- 14:05 LHS moved to MW-11
- 14:15 GLA onsite to flush development
- 14:15 RCH sampling MW-12
- 14:45 RCH moving to MW-6
- 15:15 LHS moving to MW-7
- 15:30 GLA developing MW-21 and MW-19
- 16:00 Waiting on stabilize on air MW-6 & MW-7
- 16:45 Sample MW-6
- 17:00 Sample MW-7
- 18:00 Offsite.

RCH

10/8/08

8:15 RCH, LHS onsite,  
open cover box, exchange  
coolers.

8:45 Calibrate Horiba  
R10179

pH 3.98  
DO NTU

DO 10.77 g/L  
Cond 4.53 mS

Calibrate Horiba U-22 #R9715

\* DO probe not functioning

pH = 3.98 vs. 4.00 std  
Cond. = 4.57 vs. 4.49 std

0.0 NTU  
DO = 8.22 g/L vs. 11 std

9:00 Surveyors Cliff + Chris onsite surveying  
wells + sample locations.

9:30 LHS set up to Samp to MW-8

RCH developing MW-22  
both on Orchard Street.  
MW-22 atw 5.94  
td 15.69

10/8/08

9:45 Start whole pump, water  
extremely turbid

9:50 Stop pump allow recharge

10:05 Restart pump

10:07 well dry

10:10 - 10:40 Restart whole pump  
add 4 on to develop  
allow recharge.

10:35 - Collect sample on MW-8-14.  
MW-8 needs a short cap that  
can fit under steel cover.

11:30 - Final RTU 15.7  
TD 15.7

Recharge rate @ 0.4'/min  
11:40 Take lunch

12:30 Return to sample change  
out coolers, decide to  
wait on MW-9 + MW-10

to sample next week per GHA

13:00 Begin sampling at MW-14  
LHS on MW-15

15:00 Complete MW-14 + 15, move  
to MW-16 + MW-18

10/8/08

Rachael on-site developing wells  
 MW-17, 19, 20 + 21. Green-colored  
 water observed in MW-28 near  
 debris pile. Also odor. 17<sup>28</sup>  
 11:15 - Rachael off-site.  
 11:30 - Finish sampling and pack-up  
 van.  
 17:00 - Off-site. Backy to return equipment  
 to Ashrad.

~~MSK~~

10/30/08

4:4 on site @ 8:45 for work p/c (5th)  
 - Trucks on site @ 7:00 AM  
 - 2 Enviro-trucks each /  
 - 25 yd. box (enough room?)  
 - will have to segregate brick  
 from other mtl debris loading  
 9:30 Tita on site

Well	DTUJ (TDR)
MW-09	8.62
MW-10	8.91
MW-5	4.46 Flashed many
MW-07	7.08
MW-06	6.89
MW-5	6.13
MW-12	5.76
MW-11	4.48 Flashed (4.23)
- water level rising after remaining T-day	
	4.98 → 4.40
MW-13	6.20
Hole in site by MW-11 7:05	
MW-21	5.29 (low part of casing)
MW-17	6.25
MW-16	6.97
MW-15	7.12
MW-14	8.27



10:30 - Trucks being loaded w/ fish + debris

- Sean Reed says they brought  
w/ from Vidua (2-25 yd)  
trucks on site)

Well

MW-19

Drill (Top)  
8.60 had seal, floored

MW-18

6.29' floored

Eng room Hole (near trans.) 7.02'

Hole N. of Eng. Stack 6.83'

Hole Hammered through wall roof 7.11'

MW-08

9.30'

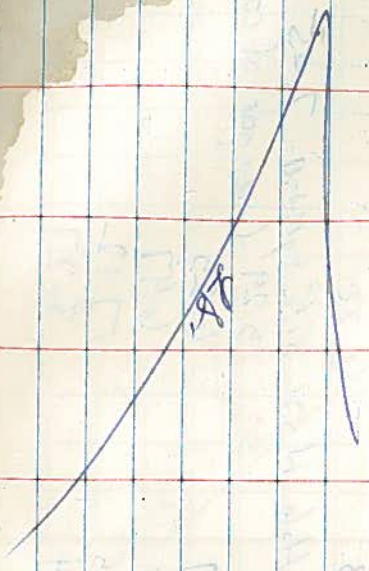
MW-22

5.55

MW-20

5.57

11:10 - off site



3/3/09

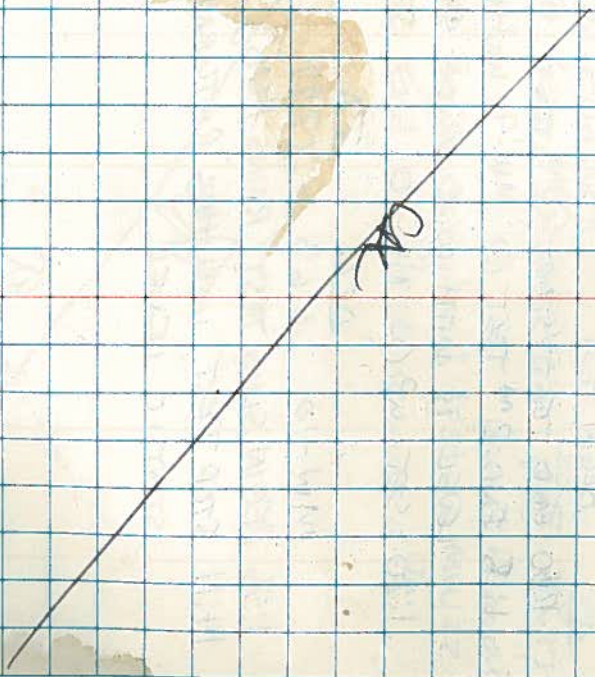
- Arrived on site @ 8:50 am

- N/E Teca on site @ 8:50 am

- Drum was tightened  
and loaded on truck

- Manifest signed

- off site @ 9:00 am



3/10/09

11:45 ARRIVE ON SITE TO PERFORM  
AQUIFER TESTING

MW-9. DTW 7.28 TD 18.85

LOWER LEVEL TROLL PROBE 1/2 SLUG INTO  
WELL; PROBE IS A FEW INCHES OFF  
BOTTOM OF WELL

12:30 WELL RETURNS TO STATIC LEVEL;  
BEGIN TEST

1:00 END TEST/START 2ND TEST

1:15 END 2ND TEST @ MW-9, WATER

LEVEL IS WITHIN 0.07' OF STATIC

1:20 SET UP @ MW-10

MW-10 DTW 6.63 TD 17.99

1:56 BEGIN SLUG TEST (RISING HEAD)

14:11 STOP TEST; WELL HAS RETURNED TO  
STATIC LEVEL

GD

14:19 arrive @ MW-16 DTW 6.60 TD 22.7

14:40 START RISING HEAD TEST

14:57 FINISH SLUG TEST @ MW-16

15:12 SET UP @ MW-14 DTW 6.93 TD 14.0

15:29 BEGIN RISING HEAD TEST

(WELL RETURNED TO STATIC)

15:45 Complete test

15:50 Setup @ MW-20 DTW 5.46 TD 16.61

16:04 Start rising head test

16:40 End slug test

16:50 Setup @ MW-22 DTW 4.78 TD 15.77

(sample have duct)

17:00 Begin rising head test @ MW-22

17:12 End slug test, secure site.

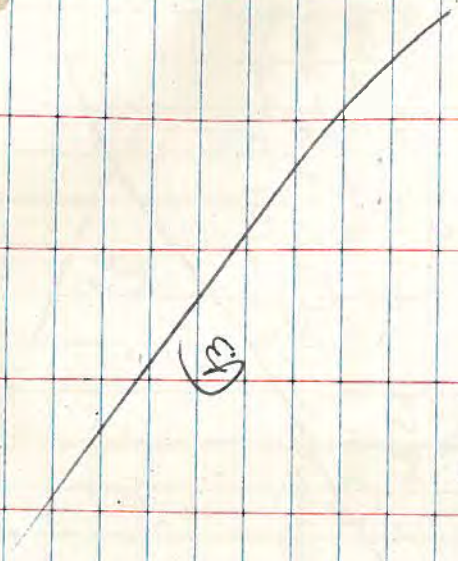
GD

4/22/09

Sunny, 55°

11:15 Arrive on site; RG/E on site w/ 6-7 workers removing large transformer from pad in former courtyard area (west side of former bldg); one worker is in manhole on ladder (15+ feet deep) disconnecting wiring, use crane to pull large cables out of vault. transformer is of "Non-Pcb" type

- Stage transformer on conc. pad close to where it was originally mounted, awaiting removal from site; no evidence of spillage anywhere



3/17/11

- on site @ 8:00 6/4  
 . Tractor on site warning up  
 2AD series excavator  
 Stearns Stacker  
 - Spad out work locations, TPs on top of berm to start with  
 8:30 ERs on site  
 - set up DustTrak w/ its bagin sampling

9:15 select 1st TP location (TP19)  
 10:00 Encountered what appears to be native soil at 11-12' bgs (silt/clay sand; cat green mix, moist, some clay). No PID readings throughout TP; create site like odor at 2-4'. all bldg mat'l fill 0-12'; collect soil sample from approx 12-15' bgs; TRAC then backfills TP19

11:00 Begin digging TP20 in "Ramp" area close to Whitney St. (leads to tunnel under road)  
 11:40 Complete TP20 to 13' bgs. encounter concrete slab (likely "ramp" to tunnel under Whitney St.). no elevated PID or methane readings, all fill bldg demo mat'l's; no sample back fill

3/17/11 TEST PATTING SO, sunny

- 12:00 Begin digging TP21 at top of bank  
(east/west orientation) Background PID=0.0 ppm  
0% methane; upwind dustfall = 0.057 mg/m<sup>3</sup>
- (\* U/WIND DUSTFALL IS IN ENCLOSURE # R10233)  
unit 59844)
- @ approx. 10' encounter channelled grey-black discolored fill soil; no unusual odor; 0.0 ppm on PID throughout; 0% methane; collect soil sample 1/3' continue digging; encounter concrete slab @ 14' bgs; no elevated readings to 14'; backfill hole
- 1:10 Begin excavating TP22 along southern concrete wall by RR bed, GCA bed 2:00
- 2:35 ERD off site discuss TP.23 w/ GRS +
- 2:50 begin excavation of TP.23  
at mid point between TP.22+21
- 3:30 backfilling TP.23 no sample  
since no soil encountered (see log)
- 3:38 move machine to TP.24 located to south of south wall of RR boiler room
- 3:48 begin excavation of TP.24
- 4:25 begin backfilling TP.24
- 4:35 end of day/off site

3/18/11 o/w Test P. filling landfill

8:05	on-site G4, True (steps S) warning up eye-pit
8:20	Strong W. wind, partly sunny, 50°F setting up particulate mon. 54 steps move excavator to top of berm
8:35	begin excavating TP.25 @ S side 418 Or dr end of log
9:35	Excavated TP.25 to 20' on N side exposed entire width of former rail alignment (formerly overlaid by 2 sty bldg.) N. side of TP defined by S. wall of 415 Or dr. tunnel near RR location of drums removed in 2008.
9:45	obtained 2 soil samples: - one from btm @ 20' bgs (slab) - one from 8' in the lower layer DE previously drilled for back soil
10:00	begin backfilling TP.25
10:15	True Fb. hrs on site
10:40	30% of True, Mark Ganger, Paul Holliman Mxw/Del off site Eric on site
10:50	GCA off site

\* WIND DUSKAL = R10233

3/18/11

1:30 Digging TP28 along Whitney St. in low berm, encounter concrete slab @ 4.5-5'; remove material to allow access for Robert to break through slab

2:15 Excavate TP29 ~~on~~ on berm west of MW12 along arbitrary st. & sidewalk; dig berm out to allow access to concrete pad for hammering through; no indication of contain. in berm material (oldly down debris)

3:15 Tree secures machine ~~FTS~~ WIND 2:18

3:30 Tree OFF SITE; PIDE UP AND MOUNTAINS STRATIONS. IN OFF SITE

11:15	Begin excavating TP-26 which is concrete pit at east end of rail line area, adjacent to bldg annex
TP-26	uncover RR ties/rails @ 4' (bottom of vault). below ties is stone bedding (4-1 ft thick) coated in creosote type mat'l <del>is</del> underlain by med. brown silty sand w/ gravel; excavate fill materials to 15' below rail grade (18-19' below machine); no indications of contamination, no elevated instrument readings; collect sample @ 14-15' below vault floor, 1/2 back fill
- Attempt	to dig at concrete patch TP-27 but encounter floor (concrete) at 1 ft; soil under patch is silty SAND, brown and O.D from PID
- uncover	concrete slab adjacent to TP27 (east) which is N/S trending vault approx 4-5 ft wide w/ brick walls on concrete footers; some wood lines perimeter of top of vault; approx 3' deep

TEST PIT 12M/RE 3/21/11

light rain, 40°

8:00

ARRIVE ON SITE; TREC ON SITE;  
TREC begins moving bldg. demo  
material @ west end of Orchard St.

bldg. to allow access to platting area;  
TREC also hammering concrete slab  
along Whitney St to allow access  
for test pitting (@ TP28); Bobcat

8:55 Bobcat develops small hydraulic leak  
@ fitting (TREC Fixes); no free fluid on  
ground

9:15 TREC continues hammering @ TP28;  
MOVES TO TP29

12:30 lunch

1:00 TREC continues cleaning demo debris from  
platting area and begins hammering conc.  
slab in AOC-7 for 7 TPs. No intrusive  
groundwork being conducted, therefore no  
air monitoring taking place; no visible dust  
being generated

3:30 TREC uncovers 2nd boiler pit? @  
western limit of area to be cleared for  
chromium delineation (south of former  
stack)

3/21/11

Stop work @ pit (clout want to fill void  
until inspected & lots of steel). Move  
to TP28 to dig below concrete; run into

2 footings, move TP28 north & dig

16:00 Reach bedrock @ TP28 8' below  
concrete slab; ground water ~~is~~ infiltrating  
through sidewall between 5-7 feet below  
concrete; collect soil sample - no indication  
of contamination

18:15 TREC off site

18:30 Lv off site.

35° overcast

3/22/11

8:00 Lu/TREC on site; TREC doing final cleanup of plating area debris

Setup air monitoring stations (DUSTRAK, ) upwind & downwind @ site perimeter

8:30 Begin digging TP29 below concrete

Notice sweet odor immediately on soil; approx 1' below concrete. PID

reading to 89 ppm; screen shallow soil in excavation ... 109 ppm peak reading,

collect sample; notice broken cast iron sewer line 1' below concrete in southern

sidewall (west end) - screen pipe, peak reading of 310 ppm w/ noticeable odor;

sample soil in/around pipe @ 2-3' PID. readings drop off to 0-10 ppm

No discoloration or staining; appears to be limited to immediate area of pipe.

- Encounter bedrock @ 7.5' logs, backfill leaving broken pipe exposed

9:00 Move to AOC 7, begin digging TP30 @ NW corner of slab

10:00 Dig TP31 east of 1575 @ SW corner of AOC 7 along bldg; @ approx 8' encounter small pocket of petroleum contaminant (gray, saturated) PID readings to 30 ppm; no other evidence in test pit; collect sample

10:30 TP32; continue test pitting in AOC 7 (see logs)

12:30 Complete final test pit excavation

TP37 east-central slab; no findings here of plating area; no more intrusive work being done (air monitors off?)

1:30 Begin cleaning 2<sup>nd</sup> void (boiler?)

2:15 Uncover area of void, expose buried plate; consistent w/ void adjacent to the north

2:30 TREC Pulls stockpiled bldg debris west

from above aseismic data of cavern  
 (above tunnel) to prevent falling  
 debris hazard  
 3:30 TREE finished work, leads skidster  
 3:45 TREE OFFSITE  
 4:00 LW OFFSITE

revisions for the last 10 days  
 (some of the work is done)  
 (the work is done)  
 (the work is done)  
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DECAST, 40°  
 WASTE CHARACTER. SAMPLING 4/5/11

11:00 ED/SB ON SITE TO COLLECT

GROUND WATER SAMPLE FROM MW-17  
 FOR FUTURE WASTE CHARACTERIZATION/  
 DISPOSAL

11:10 BEGIN PURSING MW-17; DTW = 6.11, TD = 15.6

1 WELL VOLUME = 1.5 GALLONS;

PURGE 6 GALLONS (4 WELL VOLS)  $\frac{1}{2}$

CONTAINERIZE IN 55 GAL STEEL DRUM;

12:00 COLLECT GROUND WATER SAMPLE

OW-MW17-WC FOR ANALYSIS OF:

• PCPA Metals

• Granite

• PH

• Chromium ( $Cr^{+4}$ ,  $Cr^{+3}$ )

• Secure drum

12:30 OFFSITE



4/14/11

8:00 Pick up GPR unit & Distrak monitors from Ashtead

8:15 ~~Li~~ Li on site, TRC Env. on site

9:00 Greg A. on site; set up DUSTRAK

Monitors for day: Downwind = Unit R4513

Upwind = R9758

Background readings: Upwind = 0.027  $\mu\text{g}/\text{m}^3$

Downwind = 0.023  $\mu\text{g}/\text{m}^3$

TRC begins breaking concrete along west end of Orchard bldg to expose tanks

- 9:30 TRC begins cleaning debris/bldg debris material out of former chimney base in order to assess; water is black; small amount of water spreads on concrete floor w/ fill debris; can't establish total depth of structure without removing all debris and don't want to spread more water. Sample water & replace debris in structure, will re-evaluate following sample results (waste characterization)
- 11:00 TRC has removed 6" layer of concrete from on top of tank area on southern portion of UST area. Below concrete is another

6" layer of concrete that may be top of concrete tank system

11:30 <sup>Approx</sup> Dimensions: 11' long x 4.5' diam (4")

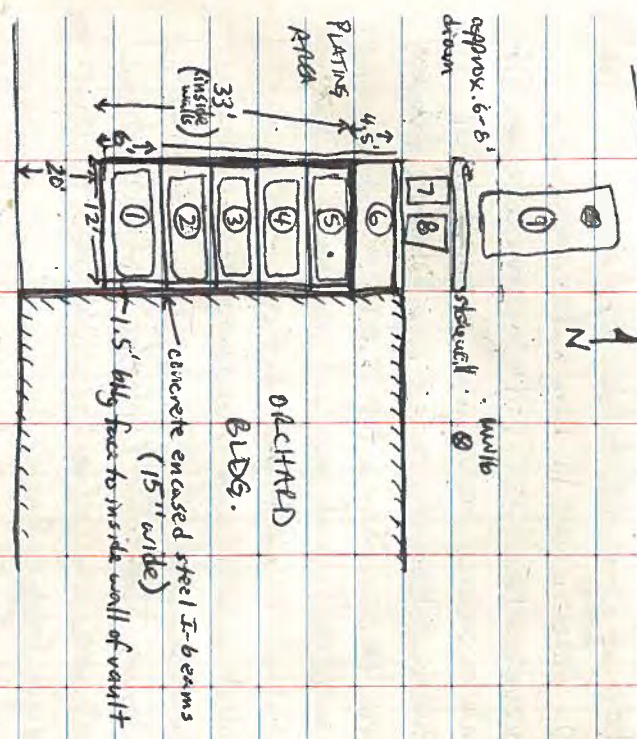
uneven steel UST within concrete vault; tank is covered in sand with small void between bottom of concrete cap & top of tank; tank opening on top is oval & upon removal is full of product. unusual odor similar to gas but degraded, more viscous; collect sample & continue removing concrete cover system (2 layers). Tank (C of R) in frms Todd Coffe (ENRDEC) of situation

- Evaluate vault/voids/utility vaults in former Engine Run

Vault 1: Elongate, trending generally N/S contains: 24" steamline, 1"-4" conduit throughout, open room extensions to the east (to be GPs located), buried bldg debris. 8' ft deep throughout

Depth to water in vault = 7' 1"

summary, 5° breeze 4/14/11



Collect representative samples of each of the first 5 USTs within concrete vault; appears that 1 vault holds first 5 tanks with concrete encased steel I-beams running E/W between each tank for vault ceiling support.

- Tank 1 - 10' x 4.5' (4) Full; pungent petrol odor, contents are color of waste oil, viscosity > gas but < oil
- Tank 2 + 3 - Same characteristics as Tank 1 (Full)
- Tank 4 - Gasoline odor & color with several

Orchard/unit UST Eval. 4/14/11

inches of water on bottom; same dimensions as Tanks 1-3, nearly full (> 3/4)  
 Tank 5 - Same dimensions as T1-4; paint thinner/mineral spirit odor w/ 1" of product on top, top of liquid is 2.75' below top of tank (nearly 2 ft. of thinner/water in tank); thinner product is dark in color

Tank 6  
 Thin-walled tank; shallow with approx. 8-10" of what appears to be water; rusty, no odor  
 Tank appears to be rectangular and approx. 3' deep x 10' long (+/-)

8:40:00 Tree attempts to remove remaining concrete & steel I-beams from concrete covered area between Tank 6 & Tank furthest north but cant remove, will have to break up - cover all tank openings with metal plates & large concrete. secure site

- TANKS 1-5 = 5.3' x 10' (+/-) (possibly 10' long) 9.7'
- TANK 6 = 3' x 9' sq rectangular (approx)
- TANK 7 & 8 = 4' x 8' (+/-) long 6' 10" x 5.3' diam
- Tank 9 = 8' diam x 21' (+/-) long (5' water/Fuel) (1" product)

Orch-whit UST Eval.

4/15/11

8:00 Lu & TREC on site, set up

upwind & down wind DUSTRAK monitors; R9758 up / R4513 Down

- TREC begins breaking up concrete in area between Tank 6 & large tank

9:00 TREC uncovers 7th tank @ NW corner of Orchard bldg., tank is full.

has suspect vapors a rephtha like odor

9:15 Tree offsite to get drum vac and drums to pump down tank contents and reduce spill potential

9:35 Tree returns to site w/ equip. & vac's 1 drum (50 gal) of product out of Tank 7 (western); continues uncovering Tank 8

11:00 uncover tank 8; Tanks 7 & 8 measure 8' long x 4.5' diam; Tank 7 was full,

now - 50 gal (drum); Tank 8 has 3' of piguid

• w/ same odor as Tank 7; collect sample

11:15 TREC Filling VOID 1 in founn engine room

TREC covers UST area w/ steel plates & concrete/sand from cover mat'l, will cover entire area w/ poly

- Lu mapping utilities w/ GPS unit

- UST area covered with poly & secured with concrete; Lu logging slab features

such as manholes, penetrations, voids, sewers etc in AOC 7 (10-132)

4:30 TREC off site/Lu offsite to drop samples

34° Partly cloudy

4/18/11

8:00 TRAC/Lu on site; TRAC has loader on site to build access ramp for trucks on Orchard St. (hammering former loading dock out & filling in)

9:15 TRAC finishes demolishing concrete loading dock divider, starts constructing ramp w/ beam material

11:45 TRAC completes access ramp @ Orchard St. gate. lunch break

12:15 TRAC finishing filling of void space already inspected by Lu in former engine room (void); then pile large concrete pieces around chimney void so caution tape can be placed around it to cordon area off (fall hazard)

2:00 All voids have now been covered with steel plates & or grates; chimney's <sup>void</sup> condensation w/ caution tape, ramp @ Orchard St. has been compacted w/ excavator; excavator moves bldg rubble on top of beam to allow easy access for drill rig for future drilling  
3:30 TRAC/Lu offsite

4/20/11

12:50 Lu/CTG of Rock on site for pre-bid meeting for drilling/borings in plating area  
Onsite: Steve Delora (Northwagles)  
Chuck Guzzetta (STR)

explain details of upcoming drilling; neither have concerns, suggest ATV rig based on the popping potential; Jane (Rock) offsite

1:30 Steve D. offsite

2:00 Chuck G. offsite

2:10 Access Tank 9 to collect waste character. sample; tank appears to be 8' diameter by 20'+ long (8000 g?); 5' of water/product in tank; appears to be approx. 1" of product (fuel oil) on top of water

2:30 collect sample

2:50 Offsite to Paradigm to drop sample

4/25/11

12:50 On site to conduct UST pre-bid mtg. Jane Forbes on site for C of R.

Attendees:

- TREC - Steve Roth
- O-TECH - Chad
- Giannarino - Chad
- NNTech - Steve Linka, Paul Wickstele, operator
- Russo - Eric Warner

Explain job requirements, situation with tanks, configuration etc...

Questions:

- 1) Does prevailing wage apply - Jane to find out
  - 2) Restrictions on work hrs? " "
- 1:45 offsite

UST REMOVAL

5/2/11

OVERCAST, 50°, LIGHT SOUTH BREEZE

9:00 @ ASHTON PICKUP UP INSTRUMENTS

9:20 TREC ON SITE W/ 200 SERIES EXCAVATOR,

Bobcat w/HOE PAM, MINI-EXCAVATOR; JANE FORBES ON SITE

9:45 TREC CONDUCTS Tailgate safety mtg.

10:00 TREC BEGIN breaking concrete pad over

TANK 9 (8,000 gal); SET UP Dusttrak air

monitors BACKGROUND UPWIND = 0.038 mg/m<sup>3</sup>

UPWIND = S10223  
DOWNWIND = R9526

TREC hammers/removes first layer of concrete over Tank 9 (approx 5" thick); continues hammering through reinforced concrete w/when (6" thick); tank cover has steel I-beams

beneath the reinforced concrete; TREC removes - No odors noticed on sand overlying Tank 9; take PID readings on top foot of sand covering tank; ppm, no staining or odors; TREC uncovers some piping network on west side of Tank

10:30 TREC REMOVES concrete cap from Tank 9 to North end of tank vault (at tunnel); find N end of tank; remove debris from sand to establish size.

light rain 55° SW wind to 10 S/2/W

12:45 Tank 9 measures approx. 26.5' long x 8' diam (likely 10,000 gal) with

pending rain TREE covers Tank 9 back up with sand/concrete so it can be topped;

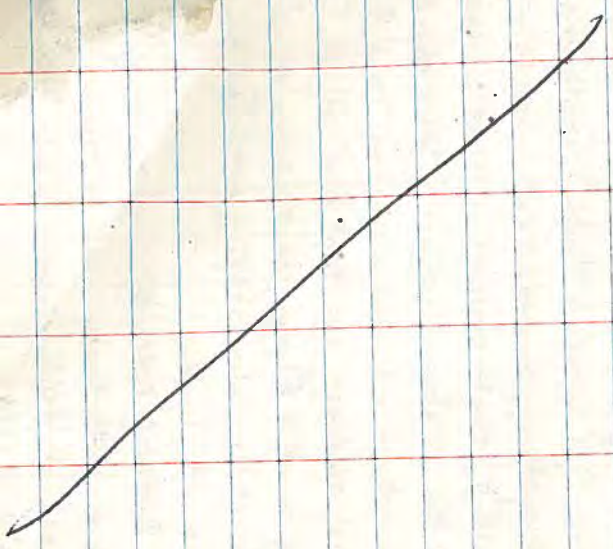
left for the day

1:30 Cover Tank 9 w/ poly, shut down air monitors for day; raining

1:40 All work stopped for day

2:15 Meet/discuss upcoming tank removal work

3:00 Lv/City of Rock/TREC offsite



overcast 40° NW breeze

S/4/W

7:30 TREE/Lv Eng. on site, begin uncovering Tank 9 to prep for product removal

Setup Dustrak particulate monitors:

Upwind: S10223 Background readings = 0.008 mg/m<sup>3</sup>

Downwind: R9526 Background readings = 0.007 mg/m<sup>3</sup>

8:30 Southern 1/2 of Tank 9 is exposed including manhole; Egan Env. Services truck on site to pump out Tank 9 as much of Tank 7/8 as possible; Tank 9 is riveted

10:00 still vacating out Tank 9. Tank 8/7 openings are exposed. Tank 6 west end exposed & working south; sand is charcoal grey w/ degraded oil/waste odor (PID readings to 15 ppm) between Tank 7 & 8

11:00 Screen soil being removed from top of Tank 9 to uncover tank: D ppm, not visibly stained; Vac truck pumps a few hundred gallons off of Tanks 1, 2, 3 (each) now that they're uncovered in case of heavy rain (1<sup>st</sup> 3 wearfall)

PID readings on some of 10,000 gal tank = 180 ppm <sup>sand</sup> peak but no contents or spillage.

45° overcut

5/4/11

11:30 Vac truck is full from Tanks 1, 2, 3, 7, 8 & 9, approx. volume in vac. truck = 6,850 gal

11:45 Egan vac truck off site, TREC continues uncovering west side/end of tank vault to try to expose piping network. 2" pipe runs along west wall of Tank 9 vault above tank & ties into top of tank @ center

12:45 Sand bedding approx. 1 ft. below top of Tanks 7 & 8 is saturated (right to no shear)

\* Tank 7 & 8 measure 6'10" long x 5.3' dia (1,000 gallons)

Tank 6 sand appears "clean" on top, no PID readings

Tank 5 sand in NW corner of vault needs 60 ppm, 1' below top of tank, not stained, no standing water/saturation

PIPING: Appends feed line (3") runs beneath conc. encased I beams between tanks from center of Tank 9 west to west wall of vaults then runs south through all vaults and exits Tank 1-5 vault at extreme SW corner, 6" below top of vault; TREC removes pieces of 3" line after inspecting pipe for contents, pipe is free of product

5/4/11

TREC removes entire 3" feed line from vault & Tank 9, no contents, no spillage

3:00 TREC cordons entire tank area off with orange construction fence

3:15 TREC/LN / Fire Marshall off site

Sunny, 45°, Wily breeze

5/5/11

- 7:30 TREC/Env. on site; TREC removes construction fencing to begin tank work
- 8:20 Setup of Duststat particulate monitors for tank bedding (wet sand) removal
- UPWIND = S10223 Background =  $0.006 \text{ mg/m}^3$
- DOWNWIND = R9526 Background =  $0.006 \text{ mg/m}^3$
- 8:30 Egan Env. Svcs. trucks (7,000 gal & 3,200 gal), small truck vacs Tank 4 (gas) large truck starts w/ Tank 1, works north
- 10:00 Tanks 1-8 have been pumped out, vac truck moves to Tank 9 to complete product removal, TREC clearing sand off of tops of tanks to assess piping locations, etc.; sand 1' below top of tank 1 reading up to 75 ppm
- 10:45 Egan Env. Svcs vac trucks leave site. Tank 4 (gas) had 1,175 gal. gas/water
- Tanks 1-3, 5-9 had total of 6,220 gal. removed. TREC hand shoveling sand off top of tanks
- 12:00 TREC off site to lunch
- 12:30 Note: wind gusts are blowing large dust clouds off concrete slab intermentently around downwind station (gophers)

Strong gusting wind, 57°

5/5/11

- Sand from around top of Tanks 1-8 reads from 5 to 75 ppm; TREC stages this material on poly west of tanks; sand bedding removed from top/sides of Tank 9 did not exhibit elevated PID readings
- 2:00 TREC finishes moving sand bedding to expose tanks; shut down air monitoring stations. Todd Caffee on site (DEC), Lu drilling 1" holes through conc. slab over tunnel for possible boroscopic evaluation; TREC re-installs construction fencing around tank farm
- \* Any spike in dust level readings on either meter due to strong gusting wind blowing dirt/dust off of slab, NOT from any excavation activity
- 2:15 Bob H. (Lu) on site to conduct tunnel evaluation
- 2:30 Bob lowered into tunnel w/ tripod/harness for structural inspection; tunnel airspace monitored continuously before/during inspection
- 0% CH<sub>4</sub>, 20.9% O<sub>2</sub>, 0% CO, 0% H<sub>2</sub>S



Sunny, 45°, SW'ly breeze

5/6/11

7:30 Lu/TREC on site, TREC preparing to clean tanks, remove fencing, remove tank covers that fell into tanks, get steamcleaner setup

8:00 NUTECH vac. truck on site to vac. tank bottoms

Tank 1

No air monitoring ~~being~~ being conducted for particulates as no ground intrusive work being performed; breathing zone air @ tank = 0.0 ppm

10:00 TREC refills water tank @ highpoint

10:30 resume tank cleaning @ Tank 4

10:45 TREC requests permission to drill hole in top of 10,000 gal. tank from firewash hall. he concurs, drill hole for cleaning access at each end

12:15 lunch break

12:45 TREC tips tanks 1-4 by lifting east end of each tank so they can complete cleaning process; Tanks 1-8 have been cleaned once w/ steam cleaner

5/6/11

1:45 TREC uses hoe ram to drive hole through concrete slab over tunnel on west side of site along Whitney St. (N/S trending trench)

Punch through tunnel in two locations, 1 is approx 7.5' deep, the other (water tank) is 6' deep

2:15 upon 2<sup>nd</sup> cleaning of Tank 4 (900)

TREC notices holes in bottom of tank where water is pouring into tank from beneath ~~(top)~~ (shooting 6-8" up into tank) TREC pulls Tank 4 up at greater angle to stop infiltration; once lifted tank 4 stops taking on water; PID on sand around/below

2:40 TREC begins cleaning Tank 9 Tank 4 = 600 ppm

PID readings on sand bedding around Tanks 1-5 range from 10-800 ppm; sand is discolored @ depth (3 ft). PID reading inside Tanks 1 & 2 following 2 rounds of steam cleaning = 40 ppm

3:15 TREC begins cleaning/packing up all equipment for weekend

3:45 TREC/Lu offsite. Tank area is covered off with construction fence. Vac truck has pulled 900 gallons of tank cleanings

40° sunny, easterly breeze

UST REMOVALS

5/9/11

7:30 TREC / Lu Eng on site. TREC removes fencing and sets up to continue clearing Tank 9.

9:30 Tank 9 is clean, vac truck (same truck as Friday) has a total of 1,114 gallons of tank cleaning/water for all 9 tanks; Steve (Fire Marshall) on site gets 2 of 3 TREC workers off site to change out trailers, get dry ice for melting tanks

tanks

10:15 TREC operator asks fire Marshall if Tank 6 (odd thin-walled tank) can be

removed since the former contents were water, Steve agrees. TREC removes tank & measures 9.7' x 3' diam. it is a steel inerted tank with many holes in it (rusted); tank had been ripped open upon discovery; upon removed max PID reading = 75 ppm in tank

Tank 6 pit has standing water in it. PID readings on top of bedding = 8 ppm max

10:45 TREC back on site w/ 2 trailers and dry ice

11:00 TREC inerts first 8 tanks w/ dry ice

60° sunny, easterly breeze

UST REMOVALS

5/9/11

TREC using O<sub>2</sub>Ac + O<sub>2</sub>/LEL meter to check for adequate inertness.

Tanks 1-4 do not have proper O<sub>2</sub> level yet to remove  
\* TANK 5 dimensions: 9.7' long x 5.3' diam (1-5) (1,500 gall. +/-)

Tank 5 is removed after checking appropriate levels (0% LEL, 16% O<sub>2</sub>) and concurrence w/ Fire Marshall  
Tank 5 has 1" piping coming out of center of bottom of tank

TREC scavenges impacted soil off of tank and puts soil pile staged on poly; tank 5 on trailer <sup>at site</sup>

12:30 After covering manholes w/ absorbent pads TREC re-checks Tanks 1-4, 7, 8

LEL for all tanks checked is 0%, O<sub>2</sub> levels range from 15% - 21.6%. Fire Marshall approves tank removals

TREC begins w/ Tank 1. removes - no evidence of piping @ base of Tank 1

Tank 2 is removed & placed on trailer with Tank 1; no apparent piping on bottom of Tank 2 either

1:15 TREC off site to dispose of Tanks 1, 2

2:00 TREC operator returns to site, removes Tank 3, removes loose sand from tank exterior

⑧

5/9/4

Tanks 3 & 4 removed, scraped and loaded onto trailer, hauled off site. Tanks 1-3 appeared free of holes but difficult to discern w/ sand clinging to tank. Tank 4 has many holes on bottom; Tank 5 appears free of holes but had a 1" pipe on bottom; Tank 6 full of holes

3:00 Cf R on site. PID readings on sand from vault (T1-5) to 250 ppm although previously observed 900 ppm when tanks were in place; standing water has film on it but no "sheen". appears vault bottom is 2-3' below base of tank's

4:00 collect water sample for disposal from Tank 1-5 vault and separate one from Tank 6 vault

4:30 TRC/C of R off site for day

4:45 in off site to Paradigm for sample delivery

44° , sunny, Easterly breeze

5/10/11

7:30 TRC/In Eng, on site. TRC removes Tank 7 and Tank 8, Tank 6 and places all 3 on trailer for disposal on scrap metal. Tank 6 has many holes, Tank 7 appears to be free of holes, Tank 8 has several large holes (to 1")

8:15 TRC hauls tanks 6, 7, 8 off site, puts 4 blocks of dry ice in Tank 9 to inert

9:00 check O<sub>2</sub>/LEL in Tank 9: O<sub>2</sub> = 6.5%, LEL = 0%, Tank 9 is inert

9:30 TRC returns to site, waiting on low-boy trailer to haul Tank 9 to scrap metal facility

10:15 Silverdale truck arrives to haul Tank 9. TRC loads tank onto lowboy; tank 9 vault has pool of standing water in it w/ similar "foam" on surface as tank 1-5 vault (no bright sheen); no apparent holes in tank, no daylight & no strong odor from pit

10:40 Silverdale truck w/ Tank 9 & 2 of 3 TRC workers off site (1 operator/labour left)

PID readings on sand struck to outside of tank 9 (stained black) up to 60 ppm max. Tank 9 vault has light sheen on water. Tank 9 vault measures approx. 12" deep with 4' of sand/water

Sunny, 55° NE breeze

5/10/11

### Tank Vault Dimensions

Tanks 1-5 : 33' long x 11.5' wide x 9' deep

Tank 6 : 4' long x 11.5' wide x No floor (excavator budget too low)

Tanks 7-8 : 9.5' long x 11.5' wide x 7.8' deep (8' 1/4')

Tank 9 : 31' long x 11.5' wide x 12' (4') deep

All measurements for depth up to concrete ground surface

- Set up air monitoring stations as TREC will be handling/moving wet sand within vaults

to investigate dimensions/conditions

Dusty wind = 29526 background = 0.005 ug/m<sup>3</sup>

Apr wind = 510273 background = 0.007 ug/m<sup>3</sup>

Tank Vault 1-5 : 8" drainage line (wall ends) either

cast iron or VCI runs north/south along east

wall of vaults, approx. 6' below grade and

terminates 1/3 of the way into Tank 9 vault

10:45 TRC begins mixing sand/water in each

vault and piling sand @ north end of each

vault to expose floor @ south end and allow

water to drain/pool in area for removal/  
disposed; strong petrol odors

\* Tank Vault 1-5 has wooden craddles in

each former tank location

5/10/11

Peak PID readings on contaminated sand in Tank Vault 1-5 = 1109 ppm upon moving sand ~~aprox~~ to north end of vault (1-5)

8" drain line begins leaking water out from south end where it penetrates concrete vault wall

\* In Tank 9 vault 2x1" and 1.5" pipes runs along west wall of vault and continues south through Tank 7-8 vault, Tank 6 vault and into Tank 5 vault.

Pipes are very rusty, likely leaked and hang approx. 2-3' below concrete ground surface; upon moving sand to north end T9 vault, excavator exposes concrete craddles (2 @ each end)

PID readings on sand in T9 vault = 31 ppm peak

\* A 6" diam. thin walled tin/steel pipe is removed from SE corner of T9 vault; pipe

ran east/west & exits eastern vault approx. 4' north of southern vault wall; exposed line in vault wall appears to also be 6" OD/4" ID and is oozing black liquid; pipe is 10' below grade

\* PID readings on impacted sand in Tank 7-8 vault up to 46 ppm peak; PID readings in Tank 6 vault to 65 ppm peak

5/12/11

12:45 Collect water sample from Tank 9 vault for disposal. TRAC covers soil pile w/ poly & leaves site until further notice; Security/construction fence is reset around Tank vaults

1:10 Collect sand samples from each of 4 tank vaults for disposal

1:45 complete sampling, label

2:00 Pick up air monitoring stations; Lu Eng off site to lab to drop samples; will return to site once waste charact. Sample results are received & determination is made to stockpile & treat soil on site or dispose of.

TO sunny, windy

5/13/11

11:45 ON SITE w/ TRAC (Paul) to try to cover vault areas w/ poly because of upcoming rain

1:00 Vaults 6-8 are covered w/ poly; other 2 vaults are not able to be covered without infrastructure

1:25 Lu/ TRAC off site

4:50 rain (light)

5/16/11

8:00 TREC / Lr on site w/ NYTESCH

Vac truck dewatering Tank 9 vault and

Tank 1-5 vault to keep water level below

the static water level (groundwater),

installing cross-contamination

10:45 NYTESCH truck offsite w/ 2708 gallons

of contaminated water

11:00 TREC builds sand berm on concrete slab

immediately east of Tank 9 vault; lay poly

over berms and allow excess water to drain

back into the vault by not placing a berm

@ west end of staging area (poly hang's are

top of east wall of vault, allowing drainage)

- Stages impacted sand on poly area

3:30 95% of sand is out of Tank 9 vault

and staged on poly; TREC has also staged

some of sand from Tank 1-5 vault as well

as poly lined & covered material (sand) from

initial uncovering of tanks (20-100 ppm)

3:45 TREC off site after setting up construction

fence around vault & covering staged

sand w/ poly

4:15 Lr Eng offsite

\* some one loads dumped concrete & R.R. ties on west side of site

50' light rain, NE wind

5/17/11

7:00 TREC on site pumping water out of Tank 9 vault into 10,000 gal. fire tank

1:00 Depth to water from top of wall in Tank 9 vault is 7.8' from fixed point

2:30 TREC Removes 6" water line from within

Tank 1-5 vault along east wall of vault; pipe

drains some rusty water held in line into excavation;

this allows access to removal of remainder of

contam. sand; stages all sand @ North end

of vault; scrapes floor clean except between

berms; where floor meets east wall there is a

1-2" depression/gap in floor

3:00 TREC fences off area, leaves site for day

3:15 Lr off site (DWM in T9 vault = 7.8')

5:20, calm, light rain/overcast

5/18/11

7:30 TRAC / in on site, TRAC pumps water from Tank 1-5 vault into Baker tank (10,000 gal); then moves berm material to depression by tunnel to fill/build up area for dump trucks to haul sand tomorrow

- Depth to water in Tank 9 vault = 7.5'

- DTW in MW-17 = 6.03' BTRC = 6.5' below corner

pad

- It appears that the water level in Tank 9 vault is approx. 0.5 ft below static water level in MW-17, TRAC brings laser level out to site to compare water depths within structures

Tank 9 vault: DTW = 11.5 1/4" (7' below grade)

Tank 1-5 vault: DTW = 12' 11 1/2" \* just pumped water from bottom of vault

Tunnel vault: DTW = 11' 4 1/2"

MW-17 cover: = 4' 5" DTW = 6.5 = 4.2'

\* HI = 4' 5 1/4" (4.44')

Tank 9 vault: DTW = 7' bgs

Tank 1-5 vault: Depth to floor = 8' 6 1/4" bgs

Tunnel water: DTW = 6.94' bgs

MW-17 : DTW = 6.5' bgs

11:30 TRAC begins loading impacted sand out of Tank 1-5 vault and staging on double-layer

poly, it appears all of Tank 1-5 vault is

poured concrete (can see wooden form markings

and aggregate in scratched areas); 2 penetrations

in South wall of vault = 1 x 3" diam. pipe

approx. 1' below top of vault in SW corner (used

to supply 10,000 gal tank) and 1 x 6" diam.

former water line (cast iron) on far east side

of wall, 5.7' below concrete slab grade

- 1 x 6" former water line penetration 5.7' down

north vault wall on east side (continuation from

south wall) and same 3" supply line 1' below top

of north wall on west side (same as thru south wall)

- 1 x 1" and 1 x 2" steel pipes penetrate west vault

wall on north side of steel/concrete I beam in the

Tank 5 vault (1' below top of vault); they were

connected to tank system; \* no other visible

penetrations in vault walls or floor

TRAC removes contaminated soil from

Tank 7 & 8 vault and stages on poly; can't

get all soil out due to concrete tank cracks; will remove remainder by manual methods

2:30 Measure water in frac tank, currently has

approx. 1,975 gallons of contam. water in it

3:00 TRAC finishes staging sand from T 7/8 vault

w/ excavator; covers soil pile w/ poly and

5/18/11

partly sunny, 70°

puts construction fence up

3:30 TRC off site, Lu off site

\* Water level in Tank 9 vault = 6.97 bgs

\* Total Depth of Tank 7/8 vault = 7.72' bgs

partly sunny, 60°

5/19/11

7:30 TRC/Lu on site, TRC loading

out sand into 2 Silvable 10-wheeler

dump trucks; one loaded sand is being

transported/disposed off @ Mill Seat landfill.

8:00 Take water level w/point in Tank 9 vault

DTW = 6.9' bgs; water level is ~~6.9~~ 6.97'

from ystrdy afternoon (~~point~~ approx. 195 gallons)

9:45 Check water level in MW-16.

DTW = 6.62' ; 0.28' ~~to~~ to top of box

(ground surface) (DTW = 6.9' bgs)

DTW @ MW-17 = 6.06' = 6.53' bgs

Tank 7/8 vault is now completely clean

10:40 6th truck load of sand leaves site

1:00 9th and final truck of contaminated

sand leaves site; all trucks were tagged

prior to leaving site

1:45 TRC attempts to remove hydraulic lift

from North end of site. Removes main lift

w/ hydraulic hose still intact. TRC lays lift

on poly and covers for night, will bring

equip. to vac out lines tomorrow

2:30 TRC leaves site

2:45 Lu off site



overcast, 60°

5/20/11

7:00 On site w/ TREC; TREC sets up  
 2 trash pumps to de-water Tank 9 vault  
 7:45 Begin pumping Tank 9 vault; TREC  
 then begins removing hazardous soil  
 (high lead) from Tank 6 vault; discover  
 that it appears there is no concrete  
 floor in vault and the west wall ends  
 @ the bottom of the vault footer which is  
 4' below concrete slab grade; soil removed  
 from vault has strong petrol. odor and  
 PID readings to 500 ppm. TREC removes  
 former water line (6") that ran east/west  
 from the line on east side of vaults and  
 runs beneath the S vault footer; depth  
 to water line is approx. 5.5'  
 10:30 TREC has pumped majority of  
 water out of Tank 9 vault and into  
 new 21,000 gal frac. tank; enters vault  
 and plugs 4" diam. pipe running east out of  
 vault @ south end. Loads all soil out of  
 Tank 6 vault that mini-excavator can  
 reach; will ~~use~~ ~~small~~ ~~bucket~~ ~~for~~ ~~large~~ ~~excavator~~  
 - Re-measure depth of Tank 9 vault = 11.2' deep

partly sunny, 70°

5/20/11

11:40 Collect soil sample from bottom  
 of Tank 6 vault @ depth of 9.3' bgs; soil  
 is wet as GW is infiltrating; PID readings  
 to 423 ppm; no visible dust generated as soil is wet  
 TREC changed buckets on excavator  
 11:55 Rochester concrete & Block delivered  
 1st load of flowable fill. Placed fill in  
 Tank 6 vault up to top of water line  
 (approx 5' bgs); TREC begins changing  
 buckets on excavator  
 1:00 2nd load of flowable fill arrives;  
 is dumped into Tank 9 vault; TREC  
 lines west wall of vault w/ poly  
 1:10 TREC / in off site for lunch  
 1:30 3rd load of fill is placed along west wall  
 of Tank 9 vault in area of chromium seep; TREC  
 begins pumping water from 10,000 gal. tank into  
 21,000 gal tank; 21,000 gal. tank is approx. 1/2 full  
 from Tank 9 vault water  
 2:30 4th load of flowable fill into Tank 9 vault  
 2:45 Begin digging on south side of hydraulic  
 lift; dig to approx. 2' bgs no PID readings  
 or staining/odor, no tank found yet; will  
 re-visit next week  
 3:20 collect soil sample for waste disposal

70°, mostly sunny

5/20/11

⊙ of Tank 6 staged

3:30 5<sup>th</sup> & 6<sup>th</sup> load dump flow fill into

Tank 9 vault

3:50 7<sup>th</sup> load of flexible fill dumped -- now

~~65~~ 65 yds<sup>3</sup> of flexible fill (approx) in Tank 9 vault

TREC spreads fill out evenly in vault

4:05 8<sup>th</sup> load dumped into Tank 7/8 vault  
(3/4 load) and remainder into Tank 1-5 vault ⊙

SW corner

4:35 9<sup>th</sup> load of flexible fill is dumped into

Tank 1-5 vault (now 1 1/3 - 1 1/2 loads in this vault)

TREC secures vaults w/ construction fence

5:00 TREC/Lu  
drop samples

70°, sunny, SW breeze

5/23/11

8:00 TREC/Lu on site (1 TREC worker);

Rochester Concrete & Block Truck on site  
w/ flexible fill;

TREC pumps standing water from Tank 1-5

vault into 29500 gal tank; load flexible

fill into vault

10:00 12<sup>th</sup> load (3<sup>rd</sup> of day) is placed in

Tank 1-5 vault

11:20 Finish 13<sup>th</sup> and final load of

flexible fill into Tank 1-5 vault

11:40 Start up and downwind air

monitoring for particulates (dusttraks)

Upwind background: 0.039 ug/m<sup>3</sup>

Downwind background: 0.041 ug/m<sup>3</sup>

\* Very dry and dusty on site with

gusty wind (not from digging)

11:45 dig test pit @ south end of former

planting area (former elevator) TP38\*

\* W/Wind Dusttrak = R9526

Downwind = R6537

12:13 Shut down Dusttraks - pouring rain,

lightening; stop work due to lightning

TREC has removed material from former

elevator. concrete floor at base of elevator

shaft; all filled w/ bldg demo material

5/23/11

- No elevated PID readings or indications of contamination

Elevator pit dimensions: 13' wide x ~~9'~~ 9' across x 4' deep; springs in floor, no PID readings or evidence of contour; backfill with material that was in pit

1:30 E.D. off site. Lu assessing asbestos quantity within vault/tunnel system

Sunny, 70°, w/y wind, humid

6/1/11

7:30 Lu/TREC on site; Set up dusttrak particulate monitors; site is dry and dusty; strong westerly breeze

- TREC continues backfilling vaults and clearing up former plating area

Upwind Dusttrak = R10241 background = 0.054  $\mu\text{g}/\text{m}^3$

Downwind Dusttrak = R5639 background = 0.068  $\mu\text{g}/\text{m}^3$

- Only visible dust observed is from front end loader, traveling across site on concrete, NOT from moving moist fill materials

- TREC has removed all staged sand/concrete from former plating area; sorts material w/ excavator on beam for backfill

9:30 begin backfilling vault 6/7/8 then to vault 1-5

\* operator off site for 1/2 hr to get pin for excavator bucket teeth

11:00 TREC changes tooth on excavator

11:20 continue sorting/backfilling

12:00 lunch - Lu asks TREC to look into dust suppression measures due to large dust clouds blowing off of slab w/ each heavy wind gust

12:30 TREC resumes backfilling/sorting.

6/1/11

\* ANY ELEVATED DUST AND PARTICULATE READINGS IS NOT FROM INTRUSIVE EXCAVATION ACTIVITY IN BEAM; IT IS FROM DRY DUST BEING BLOWN FROM STAB; BEAM MATERIAL IS MOST

3:00 TREC completes backfilling all tank vaults, runs over to compact with excavator

3:15 Lu/TREC offsite

6/2/11

Sunny, 55°, NWly breeze

7:00 TREC/Lu on site; set up dust/side monitors to dig hydraulic lift area; some units on yesterday (R1024) upwind, R5639 downwind (background = 0.034 ug/m<sup>3</sup>); begin digging lift 830 at approx. 9' bgs encounter grey discolored soil w/ light degraded odor of petroleum; peak PID reading to 28.4 ppm (5-20 ppm) Excavator encounters bedrock @ approx. 11' bgs, no sheen on pooling groundwater in excavation (immediately south of former lift)

- Collect soil sample from 10-11' (old oil-type odor) hydraulic oil. ~~Sample not submitted to lab per [red]~~

- Find tank for former lift inside @ east end of lift

Vault: 13.5' long x 1.5' wide x 7' 4" deep concrete

Hydraulic Tank: 4.5' long x 1.1' diam w/ piping @ bottom

TREC pulls south vault wall down w/ excavator to assess floor; no apparent drains, just filled with gumbags/debris (oil filters, metal, plastic blinds etc)

- Tank dripped < 1 cup of oil/water upon removal (not enough to vac); tank placed on plastic and test pit is back filled with soil that was excavated

6/2/11

- 11:00 TRC fills in void in beam where ~~was~~ vault backfill material was taken from
- 11:45 TRC off site w/ hydraulic tank to scrap tank
- 1:00 TRC returns to site to powerwash plating area, fills 250 gal poly tank
- 2:20 TRC / Lu off site. TRC will power wash tomorrow and install carbon filtration to treat water in frac tank

Sunny, 60's, light NW breeze

6/3/11

- 7:30 Arrive on site, TRC on site to powerwash former plating area
- TRC Sweeps loose dust/stones with hand brooms first then power washes
- TRC finishes dressing beam area to eliminate fall hazards (drop offs etc.) (1 hr) with excavator - walls up construction fencing (2 labors on site)
- 10:15 Steve S. arrives on site w/ carbon filtration units for treating contaminated water in tank, sets up
- 10:30 Begin filtering water and discharges into ~~18,500~~ gal tank (clean)
- 11:00 Both carbon filtration drums are leaking... TRC disconnects all hoses/pump equipment. They will fix leaks and bring back to site. (15th, Monday)
- 11:30 TRC / Lu off site
- 12:00 TRC / Lu back on site. GLA/TB have TRC setup water filtration equipment to collect treated effluent sample for analysis (to allow discharge to sewer)
- Lu locates site features w/ GPS

Sunny, 90°, w/ breeze

6/8/11

1230 on site to GPS locate site features  
(test pits, surface/slab features, utilities)  
430 Lu off site; TRC stopped @ site to  
pick up water filtration/pump/generator system  
for the day (once in morning, once late afternoon)

partly sunny, 85°

6/9/11

- TRC on site to begin discharging treated  
water (Lu granted permission to discharge  
(permit) by City of Rochester Water Bureau  
\* (TRC not charging for time on site today)  
- A total of \_\_\_\_\_ gallons was stored in  
large frac tank from UST vault dewatering  
(small, cleaned tank is approx. 8,500 gal. capacity)

7/5/11

Sunny Willy breeze 75°

9:00 Nothing to do/city on site work to be

done: decide to start with borings in SE corner of plotting area, build down

10:30 set up @ 1st boring location (SB23)

11:00 Begin driving 4' spoon @ SB23 (PA-01)

11:15 Moved piece of concrete from boring location to allow auguring

11:20. obtained second ss 4-8 PID: ND

11:30 obtained 3rd. ss 8-12'

Blew count on 4-8. 19  
" " 8-12: 150

11:50 Ref sale @ 14.7 (130 blowcount)

Attempting to resolve detection issues with XRF: apparently elevated detection limits for Cr + As. unsure

IF instrument (XL800) is capable of some detections as XL300 which was

crew goes to lunch while we figure out XRF

12:00 Discuss moving to low rise for well installation's due to we set XRF set

1310 #37 Cr < 286

As < 16.6

tokens on SB-23 (PA-01)

@ 14' b.g.s.

#39 Cr < 239

As < 16.7

@ 10' +/-

3:15 Reach spoon refusal @ 36' @ PA-01

No recovery in final spoon (35-36'); set well from 36-26 w/ screen

4:00 Nothing to do off site, will finish constructing well tomorrow

\* WIND DUST = R5689

DRAWING = R7827 (0.024 background)

Sunny 78°, light SW breeze

7/6/11

7:30 Notnagle/Lu Eng on site; set up air monitoring stations (not on yet, no intrusive work). Notnagle begins breaking down augers, drill rod and installing sandpack in PA-01

9:15 ~~min~~ Minirell PA-01 is complete; Notnagle decons all drilling equipment, containerizes liquid in drum

10:00 Set up @ PA-02 (20' west of PA-01); start air monitors;  $O_2 = 21.0\%$   $LEL = 0\%$  @ vig

UVRAD Background:  $0.034 \text{ mg/m}^3$   
Downwind Background:  $0.033 \text{ mg/m}^3$

10:20 Notnagle starts augering thorough concrete @ boring PA-02; begin continuous sampling; 2" layer of soil @ approx. 9' has slight green-yellow hue but no chromium detected w/ instrument, lit spoon refusal @ 17.7' and auger refusal @ 18.5'

11:30 set ~~u~~ minirell @ 18.5' hgs w/ 10' screen

12:00 Finish sandpack & bentonite

12:30 Notnagle lunch break

1:00 Notnagle decons equipment

2:00 Start augering/drilling spoons @ PA-03

3:30 No elevated  $O_2$ /LEL readings during drilling and no visible dust; 1 chrom. detection

85° mostly sunny

7/6/11

@ 11' (41') of 240 ppm (4%). Encountered spoon refusal @ 17.6' and auger refusal @ 18.3' hgs; Notnagle constructs minirell sets screen @ 18.3-18.3 sandpack to 7.3 w/ 2' bentonite seal; shut down air monitors; some dust clouds were observed during day due to wind gusts on concrete slabs, not from drilling activity

UVRAD @ shutdown:  $0.026 \text{ mg/m}^3$

Downwind @ shutdown:  $0.027 \text{ mg/m}^3$

4:00 Notnagle/Lu off site; site secure



Sunny, 75°, NEly breeze 7/7/11

7:25 Notnagle/Lv onsite

7:40 Notnagle finishes installing sandpack

@ PA-03; set up air monitors for particulates

Uplwind Background: 0.033 ug/m<sup>3</sup>

Downwind background: 0.018 ug/m<sup>3</sup> (R7827)

Setup explosimeter @ drill rig: 2.10% O<sub>2</sub>, 0.1%

\*Have new Niton XL3t XRF unit today

(7/5-7/6 were older 800 series analyzel); Notnagle det

8:30 Set up @ PA-04 (20' north of PA-03 along west wall

of former plating area; begin augering through

concrete & driving macrocore

10:30 Complete PA-04 to 18' bgs ~~where~~ where

bedrock is encountered; No Chromium or arsenic

detected, no elevated LEL/O<sub>2</sub> readings (0%, 21%

for Notnagle constructs miniwell from 18-8

screen, 18-6' sandpack w/ 2' bentonite seal

11:00 Notnagle deems all drill equipment

11:30 Lunch notnagle

12:15 Setup @ PA-05 boring (west edge of plating

area, 25' north of PA-04); auger through

concrete

12:30 Start driving spoons; spoon refusal @ 16.9

@ PA-05; only appreciable water is perched @

4.5-9' H; do not install miniwell; plug boring

84°, sunny, Ely breeze 7/7/11

with bentonite to 10' bgs then cuttings to

grade

1:35 Notnagle deems

2:15 setup on PA-06 and start augering through

concrete

3:25 Encounters spoon refusal @ 13.7' on concrete;

appear to be hitting top of concrete chimney

footers which is likely set on top of bedrock - no

recovery (loose sandy material) from 8-13.7' for

sample analysis or sieving; both sleeves

(8-12, 12-13.7) are saturated; Notnagle wires

ghost to properly seal bore hole; tremies great

1" as augers are retrieved

3:45 Notnagle finishes grouting PA-06, cleans

pump and preps to decon

4:00 Notnagle offsite

partly sunny, 70°, calm

7/8/11

730 Notnagle/Lu on site. Notnagle crew tops off PA-06 with auger cuttings (grout settled to 4' bgs) then decens

800 Set rig up 7' east of PA-06 to re-drill

O<sub>2</sub> = 20.9%, LEL = 0%. ATR monitors set up and logging for particulates

UPWIND background = 0.035 ug/m<sup>3</sup>

Downwind background = 0.0

915 Notnagle reaches refusal @ 16.6' bgs @ PA-05

no elevated chromium hits observed on XRF;

set miniwell @ 16.7' (auger refusal) w/ 10' screen

sandpack (6.7-5' (4') w/ 2' bentonite seal

O<sub>2</sub> = 20.9%, LEL = 0%

945 Check ~~temp~~ temp. well PA-01; DTW = 17.1' bgs

check Temp well ~~PA-02~~ TW-PA-02; DTW = 7.2' bgs

✓ Temp well TW-PA-03; DTW = 7.53'

✓ Temp well TW-PA-04; DTW = 10.0'

1030 Notnagle sets rig up @ PA-08 location (south central) on 20' grid (1' west of central floor trench)

1200 Notnagle reaches initial spoon refusal @ 18.8;

augers to 20' ± drives spoon; bedrock spoon

refusal @ 20.4'; LUNCH

1230 Notnagle begins installing miniwells; decide to install nested pair of miniwells in

Sunny, 80°, Alwily breeze

7/8/11

PA-08; will set deep well @ 20.4' w/ 5' screen (20-15') w/ 3' bentonite seal.

Sandpack for deep well = 20-14' bentonite

14-11' then 6" of sand (10.5' bgs) and set

shallows well from 10.5-5.5' screen with sand

from 11' to 4'; bentonite 4' to 2' bgs; after

well completions Notnagle decens all equip.

3:00 CER/Lu decide to stop for day; will

start PA-09 boring tomorrow; pack up rig

to store @ CER facility on Mt. Read Blvd.

3:15 Notnagle off site w/ rig; prep

samples for lab delivery

4:00 Lu off site/site secure

Partly  
Sunny, 88°

Soil Borings/Tests 7/16/11

7:30 Lu on site

7:50 Notnagle on site w/ Rig from

C&R facility on Mt. Read; set up

① PA-09 location, Air monitoring stations

8:30 Begin augering/driving macrocore

sample; O<sub>2</sub> = 20.9% LE = 0%

Encounter spoon refusal @ 16.9'; auger to 17

and set miniwell @ 17' w/ 10' screen sandpac

17-5; levitrite 5-3'; cuttings to grade

10:30 Move to PA-10 location & auger/start

Sampling; detect chromium in soil between

500 ppm and 1075 @ 7-8' bgs, respectively;

chromium values drop to approx 100 ppm by

9' according to XRF; set nested pair in this

boring (Deep = 17 to 12' screen, sand 17-12' + 2 ft

seal 12-10 then set shallow well from 10-5 with

sand to 4' seal on top)

12:00 Lunch

12:30 Notnagle constructs nested pair of

wells then decons all equip.

1:00 Drilling @ PA-11 location (by tunnel in

center of plating area); Encounter spoon refusal

@ 16' but auger's to 16'; start well construction

3:36 Notnagle needs more sand to complete

miniwell, cleanup

3:55 Notnagle offsite

4:05 Lu offsite, site secure

7/16/11

mostly sunny, 75°

7/12/11

730 Lu/Notnagle on site; set up air monitoring stations, start sampling

Upland background: 0.026  $\mu\text{g}/\text{m}^3$

Downwind background: 0.031  $\mu\text{g}/\text{m}^3$

Notnagle finishes miniwell PA-11 sandpack and 2 bentonite seal moves rig to east side

of plating area @ south end (PA-12)

Encounter final spm refusal @ 24.1'; decide to set nested miniwells; drillers set "deep"

well first run into problem - ground

is falling into hole, pull well and attempt to

get plug back down augers to re-drill both 16'

1130 Redrill to 24'; set deep well w/ 5' sand

(24-19'); can't get enough sand/bentonite

to fill up hole/seal for shallow well; abandon

shallow well; lunch

130 Drillers complete well construction @

PA-12; de

155: Decon'

2:30 Finish Decon, set up @ PA-13 to drill

Heavy gusting winds across site have been creating dust clouds; only excessive

7/12/11

Dust-trak particulate readings are NOT from drilling activity and are result of high winds

Encounter spm refusal @ 17.8'; augers to

PA-5: 0% LEL, 20.9%  $\text{O}_2$

4:10 Notnagle / Lu offsite; site secure

65°, sunny, Wly breeze 7/13/11

7:30 Notnagle/Lu on site; set up duststack particulate monitors

UWIND background: D.026 ug/m<sup>3</sup>  
Downwind background: D.021 ug/m<sup>3</sup>

Notnagle constructs PA13 miniwell @ 19.5' w/ 10' screen interval, sand to 6.8'

7:50 Move rig to PA14 location - encounter spoon refusal @ 17.6'; auger to 18'; construct miniwell @ 18' with 10' screen interval, sand to 6'

\* Observe high chromium reading of 2066 ppm @ 4' bgs, 1005 ppm @ 5'; petroleum contamination also present from 6.5 to 16' bgs (peak reading of 502 ppm @ 10')

11:15 Notnagle decons sampling equip; <sup>Anthony</sup>

11:40 Set up @ PA15 location to complete grid in former plating area (NE corner @ tunnel)

12:15 Notnagle lunch

12:45 resume drilling @ PA15, encounter refusal @ 16.2'; set 2 miniwells each w/ 2.5'

Screen (Deep = 16-13.5 w/ sandpack to 13'; 2.5' bentonite seal followed by shallow well from 10.5' to 8' with sandpack to 7'. 2' bentonite seal

2:15 Notnagle completes nested miniwells @ PA15; set up @ PA16 in former

7/13/11

UST V-5 vault (southern end) for boring

Begin augering; no sampling through bkg. material on flouable fill in vault. auger through vault floor (concrete) which was approx. 1 foot thick; sample/auger to 24' @ 4:05; finish logging soil

4:15 Notnagle off site

4:45 Lu off site; site secure

Sunny 65°, calm

7/14/11

7:30 On site

7:45 Continue sampling @ PA-16; reach refusal @ 26.8'; upon withdrawing

auger, natural gas odor noted @ 11.5' auger  
check breathing zone: 20.9% O<sub>2</sub>, 0% LEL, 6.11

ppm CO; put 4 gas meters down augers:  
19.8% O<sub>2</sub>, 55 ppm CO, 0% LEL, 0 ppm H<sub>2</sub>S  
9:20 Notnagle is out of water, fills tank  
@ hydrant

9:50 Tank full (500 gal); Notnagle decons  
drill equip.

10:30 Begin drilling @ PA17 (through four  
UST 9 vault); auger to floor of vault  
(no sampling), through floor and will sample  
below; encounter 1st auger refusal @ 17.8';  
no indication of petroleum content in soil below  
vault floor or elevated Cr.

11:15 Reach auger refusal @ 17.8'; sweep soil,  
no elevated Chromium; pull all drill equip

12:15 Lunch

12:45 Augering @ PA18, 20' west of PA05;  
auger to 4' from drive spool

2:15 Drillers reach refusal @ PA18 @ 17.4'; mix  
grout and grout up PA16, PA17, PA18

Sunny, 78°

7/14/11

3:00 Notnagle decons

3:40 Get up @ MW-23 location in  
center of former low-rise slab.  
Auger through concrete and stop for day;  
no visible dust generated during  
drilling activities; no detected air quality  
readings

4:15 Notnagle/ha leave site; site secure

Sunny, 65°, calm

7/15/4

- 7:30 Arrive on site w/ Notnagle  
7:45 Begin driving spoons @ MW-23  
bering; air monitoring stations set  
up and running, 20.9% O<sub>2</sub>, 6% CO<sub>2</sub>, O<sub>2</sub> from H<sub>2</sub>S  
Open CD; reach initial ~~open~~ spoon  
refusal @ 15.1', auger from 15-17' and  
continue sampling; spoon refusal @ 20.1';  
auger into bedrock approx. 2' to 22'  
9:15 drop H<sub>2</sub>D level water down augers  
to check for H<sub>2</sub>O since plug and bottom  
of 20' sample appeared dry; approx.  
4' of water in augers  
9:45 construct well MW-23 @ 22', 10'  
screen with sandpack from 22-11.5'.  
Bentonite 11.5 to 8.8' hydrate bentonite  
seal; mix grout above seal  
11:30 complete MW-23; Notnagle decens  
equip.; lunch  
4:10 ~~00~~ setup @ MW-24 on berm  
1:10 start sampling @ MW24/5B24 on berm  
@ SW corner of site; decide not to  
sample until we reach presumed concrete  
slab @ approx. 20' (4').  
Start sampling @ approx. 22'; PID reading

80', NE 1/4, breeze

7/15/4

- on auger cuttings from 15-20 = 3.3 ppm peak;  
encounter spoon refusal ~~at~~ @ 20.9';  
with no recovery; ~~at~~ auger to 25';  
when ~~drill~~ auger plug is removed it is  
activated, several feet of ~~water~~ water  
evident on drill rod; wet auger cuttings  
appear @ approx. 18-20'; appear to be  
overlying through bedrock @ 29' (4'); decide  
to continue augering; auger to approx. 30.5'  
to auger refusal; in order to keep perched  
water out  $\frac{1}{2}$  set interface well, decide to  
roll bit to 34' and set interface well to allow  
room for proper seal; approx DTU's down open  
augers is 17' bgs (consistent w/ depth to  
perched water down on slop grade (7-8' bgs))  
(berm approx 10-12' high); roller bit is 3 7/8"  
bit (4")  
3:00 begin roller bitting; roller bit gets clogged  
with silt/clay; removes, cleans & continues  
3:20 complete roller bit run; difficulty remaining  
bit getting hung up on rock)  
3:40 rollers lower the sediment stuck; to remove  
rock fragments from borehole (2 ft of fragments  
downhole now)  
4:10 Notnagle/An off site, site secure

75° overcast/rain; celum 7/18/11

730 Notnagle/Ln on site. Notnagle continues removing sediment from bottom of MW24. gets water in drum

Set up particulate monitoring stations even though no dust is being generated by wet augers

10:00 Drillers continue having difficulty in cleaning MW24 out, try augering into rock socket... unsuccessful, set up roller bit and ream hole out, remove material to 33', with possibility of hole caving again decide to set well @ 33' w/ 9' screen, screen 33-24' with sand to 23.4', hardenite to 21.0' and will grout to grade

1230 Notnagle completes MW24 with rock grout and fills rig with water

1:30 Set up @ MW25 (between TP25 & TP26); ~~the auger~~ auger to 4' & drive first spoon, no recovery with spoon returned @ 6.5'; auger through concrete from 6.5-8' & begin continuous sampling; appears to be fill from approx. 8-13 1/2' from native soil to spoon/auger refusal @ 26.7' bgs; roller bit to 30' and will set well @ 30'

Sunny, 88°

7/18/11

3:55 Set well @ 30' with 15' of screen @ MW-25; roller bit from 26.7 to 31' and lay screen on top of 1' of sand as borehole stayed open to the bottom

4:15 Notnagle/Ln offsite - site secure



70°, overcast, calm

7/19/14

7:30 Notnagle/Lu on site; Drillers work on completing/installing MW25

8:50 Finish placing sand pack to 13.8'; screen is set from 30-15'; bentonite seal to 11.5'; mix grout to complete borehole; install grout and protective casing

10:15 Set up @ final boring SB26 location on berm between MW24 and MW25; will auger to 10' then sample

10:50 hit rebar with auger @ approx. 15.5'; difficult augering (very)

11:20 rig breaks weld on extension bar during hard augering; has to stop and re-weld

12:00 Rig fixed - lunch

12:30 continue augering but go no where; auger refusal @ 17' (17'); remove auger and carbide teeth have been sheared off; will move boring; notnagle has to replace all 3 blades/teeth on auger bit; grout plug backfill hole

1:30 Move 10' east to redrill SB26; auger to approx 6.5-7' and encounter extremely hard

augering (concrete, etc)  
2:05 break through concrete @ approx. 10' bgs and begin sawing

Sunny, high 80s

7/19/14

Encounter spoon refusal @ 17.4' bgs; auger to 17.5' ... making headway augering; likely on concrete but drive extension breaks again @ weld (drilling @ angle); Col R decides to abandon this boring @ 17.5'; no GW encountered; notnagle pulls auger/rods

No elevated PID readings on soil sampled; but fill hole with berm material

4:00 Lu/Notnagle off site; site secure

70° humid, sunny, light S/W breeze

7/20/11

7:30 Lu/Notnagle on site. Notnagle begins finishing details... tremie grouts MW-24, tears down decon, j-plugs on microwells, protective casing on MWs-24

10:20 Drillers finish completions @ MW24, MW25 move to MW23 to install protective box

11:30 MW-23 is complete w/ flush/want box

Drillers pack up gear and garbage, decon. 1:00 Notnagle/Lu off site. Site secure

\* There were/are 5 drums of decon, water and 1 empty left for development as well as soil pile from former plating area

70°, partly sunny, calm

9/21/11

- 8:10 Lu @ Ashstead picking up rental equip for GW sampling; they don't have a 3rd water quality meter ready
- 8:55 Lu/C of R on site to GW sample, get 3 setups out
- 9:20 Begin purging MW-15, MW-23 and MW-16 purge using low-flow technique
- All purge & sampling notes are on well specific sampling record sheets

5:00 Site secure, Lu/C of R off site

Moderate wind, overcast, 40s

11/22/11

- Site sign installed on NE corner of site, facing Orchard St. on eastern bldg. wall; approx. 8' above grade
- DTM in tunnel @ plating area = 8.60'
- Collected tunnel water sample for REAT metals analysis; relinquished to Paradigm Env.
- 3 drums currently on site
  - 1x decon drilling water
  - 1x plating area purge water
  - 1x tank bottoms from Adler tank (deusterby vaults)
- Bldg. secure with plywood
- Open drum in plating area? (storm water)

Orch/Whit Planting Area IRM 3/26/12  
partly cloudy, 36° strong Wly wind

730 Arrive on site, Tom F. (Coat) on site,  
open gates for equipment

745 Silvanole truck arrives w/ excavator,  
unloads

750 Optech truck/backhoe and crew arrive  
unload equip; Optech crew reviews &  
signs off on HASP

815 Begin building up Orchard St. entrance  
ramp w/ more <sup>site</sup> watered from west  
side of site along Whitney St.;  
calibrate PID

900 Optech begins bldg "ramp" around  
chimney base for draining water out of  
debris in chimney; using beam method  
along Whitney St.

1000 Line berry/ramp @ chimney base  
with 2 layers of poly; begin removing  
contents w/ backhoe; strong wind is  
occasionally creating visible dust clouds  
across site (NOT from work activities)  
- just monitoring continuously & recorded on  
separate logs

Orch/Whit Planting Area IRM 3/26/12

7' to stacking water in chimney

10:45 Begin removing chimney base  
contents, sheen on water in base  
NO elevated PID readings on material

11:45 Majority of solids are now out  
of chimney base (charcoal grey/black)  
compacted primarily of bldg debris;  
allowing water to drain back in; appears  
to be approx. 100 gal of water

Chimney is approx 11' deep from grade,  
will remove remainder of solids then  
pump out remaining liquid, pressure  
wash, inspect & fill

1:30 Optech brings 2 more 250 gal poly  
tanks to site; stage on trailer to dewater  
chimney base; collect new "ash" sample  
from inside chimney for waste char  
low - chimney ash 2) for TCEP reanalysis &  
pH/corros, analysis

2:00 begin dewatering chimney w/ 2"  
French pump into 250 gal tank;  
parching light sheen on water surface (ewasote)  
2:15 power wash base (trash pump) & excavation  
bucket

3/26/12

(1 laborer, 1 operator, 1 operator/supervisor)

(1 laborer, 1 laborer/operator (leaky), 1 supervisor, operator) 3 on site - 2 left site @ 12:30.

til 1:30+ (to get trucks)

3:00 Optech secures chimney w/ construction fencing packs up

\*Rumped 110 gal of water out of chimney will get quantity of mat'1 from inside chimney tomorrow

3:30 Optech/Lu off site, site secure

Sunny, 25°, calm

3/27/12

7:00 Optech/Lu on site, Optech warms up equip, removes fencing around chimney; conduct TGSN

\*Optech - 1 laborer, 1 laborer/operator, 1 supervisor

DTW in chimney = 9.9' below concrete top

(↑ 0.4' overnight, partially what drained back off pile)

Optech continues pumping water out of chimney; fill 1x250 gal tote, 2x55 gal drums

8:45 Optech begins leading down mat'1 into chimney to solidify liquid; begin air monitoring

9:05 Optech begins pressure washing interior walls of chimney base

9:20 Optech adds 2 more buckets of fill to dry up/solidify ash/debris; no dust being generated while they mix mat'1; begin removing material; remove majority of material w/ bucket & excavator.

Will dump truck & body harness; chalk! O<sub>2</sub> level, CO, CO<sub>2</sub>, H<sub>2</sub>S, will enter bottom

9:45 of chimney; manually shovels waste into excav. bucket; continuous air monitoring w/ no elevated readings. D<sub>PM</sub> P<sub>10</sub>

10:00 appears to be slow seepage of GW into chimney

10:15 Optech finishes manually shoveling slits/sludge out of chimney; laborer leaves site to get drum vac.; Optech finishes power washing sidewalls of chimney; floor appears to be great/concrete

11:45 Optech continues drum vacuum out sludge contents; transfers to tote

3/27/12

Total depth of chimney = 12' to top of concrete. Air monitoring in chimneys: 0% LEL, 20.9% O<sub>2</sub>, 0% H<sub>2</sub>S, 0% CO, 0 ppm PID  
11:50 OpTech power/pressure washer base of chimney

12:20 OpTech finishes steam cleaning/washing out chimney; solid concrete floor w/ large stone aggregate (up to cobble size); a few very slow seeps of water on floor or where wall meets floor; OpTech fills 2 drums w/ chimney water; total volume of liquid generated/removed from chimney is approx. 630 gallons (2x260 + 2x55g drums)  
Lunch

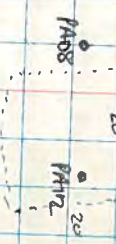
1:30 OpTech loads 10-wheeler w/ backfill along Wharfway st, begins backfilling chimney base. compacts backfill w/ excavator bucket in 3' x 4' lifts

2:35 Finish backfilling chimney base (9' 7" inner diameter); cover drums, stage equipment for night; cover chimney waste pile w/ poly  
3:15 OpTech/Lu off site; site secure

Partly sunny, S2, Wily wind 3/28/12

7:5 OpTech on site. Lu on site; OpTech has 2 people - 1 supervisor, 1 laborer/operator  
Prep to remove concrete in plating area  
Set up @ South end of PA; DTW in PA-12 = 13.46' ~~area~~ <sup>area</sup>

8:00 Begin peeling up concrete @ SE corner of PA along Wallt wall PA12 working west to PA08; uncover 20' x 20' area around PA12



9:45 Collect XRF readings throughout grid  
9:45 Begin removing soil from 0-2' in 20' x 20' area

10:00 Uncover concrete Moorsort 5' x 5' x 5'  
10:30 OpTech stages soil on poly near north end of site

11:00 Begin removing concrete in PA08 well location  
11:30 Removing soil, screen every 2' w/ XRF; Staging soil over plating area

12:00 Lunch break  
1:30 Continue excavating PA08 area; remove rock @ 2, 4' bottom of crack @ 2' by 5'

Stage PA08 soils from 0-7' @ south end of former tank vault; stage 7-8' soils just north of "soil pile 1"

- Collect 2 sidewall, 2 floor samples based on DER-10 (every 30'); OW-PA-SWC-1 collected 5' west of vault wall on south side of excavation, OW-PA-FC-2 (floor) from PA12 floor (4 grates = empty); OW-PA-FC-3 (floor) from PA08 floor @ 10' bgs  $\frac{3}{4}$ ; OW-PA-SWC-4 from western sidewall of PA08 excav, ~~PA08~~ 30' from 1st sidewall sample; collect representative concrete sample
- Collect 2 soil pile samples from soil pile 1, sample OW-PA-Soil Pile-1A from southern  $\frac{1}{2}$  of pile, 1B from northern 3:45 Lu/C of R / OptTech off site; site secure

- Stage hazardous level soil on poly on concrete pad north of plating area wear northern site fence

- All soil piles covered with poly prior to leaving site for day
- Advise with 7 samples to Paradigm for quick TAT

RAIN, 40° light NW'ly wind 3/29/12

700 OptTech/Lu On site, OptTech gets equipment setup, unloads drum of materials  
730 Begin removing concrete from PA09 area; measure soil moved yesterday  
104 yds<sup>3</sup> of Plating Area soil moved 3/28/12

- 815 Take 4 XLF shots on soil surface beneath concrete surrounding PA09; southern half of area is haz. for Cd, Pb ppm on PID on entire soil surface

- Approx. 2' of standing ~~water~~ water in PA08 excavation

845 OptTech moves broken concrete to SW corner of plating area; cleans during truck bed adds to "haz" pile  
915 OptTech loads beam backfill mat' into dump truck to make new still staging area for

likely non-haz. PA09 soil

1010C Remove 8" CI pipe running NS through ~~area~~ east side of PA08 excav. @ depth of 3.5' below

concrete; remove soil from 0-2' on southern  $\frac{1}{2}$  of PA09 & add to haz. pile due to Cd readings of 160  $\mu$ g/l, then remove soil from 0-3.5' on northern  $\frac{1}{2}$  PA09 and 2-3.5' on southern  $\frac{1}{2}$  and stage on poly near west edge of low use slab

3/29/12

Continue screening w/ XRF & soil removed to 6.5' below concrete. collect confirmatory floor and sidewall samples; screen samples and sidewalls of PR09 excavation. - No visible dust generated during dig

Uncover 6" VET pipe running N/S parallel to 8" CI pipe. a VET 'crack' is uncovered @ 3' bgs. ~~filled with~~ sediment. no elevated PID readings but green/yellow ~~sediment~~ <sup>primarily</sup> sediment discoloration with ~~primarily~~ black sed.; add to haz soil pile

Sunny, 34°

3/30/12

700 Optech / Lu onsite; TSM  
Review results of sampling 3/28/12.  
Optech has 1 laborer/operator, 1 supervisor/  
operator.  
Remove additional 2' of material from  
floor of PA12 dig; area now excavated to  
4' bgs; collect new confirmatory floor  
sample OW-PA-FC-2B  
~~PA12~~ Install back filled well ~~at~~ at former  
PA12 location (2" 5' screen, 5' riser) at  
depth of approx 10' bgs  
9:15 Optech applies 5%  $\gamma$ -solution of undissolved  
into PA12, PA08, PA09 excavations; total  
of 250 gallons is applied  
10:10 ~~Remove~~ Remove additional 4' of soil along  
western sidewall of PA08 excavation where  
confirm. sample ~~OW-PA-SWC-4~~ was  
collected; re-sample sidewall OW-PA-SWC-4B  
10:15 Optech installs back filled 2" well  
where PA08 was (5' screen, 5' riser) installed  
@ approx 90' bgs; Optech then begins  
backfilling PA08 excavation w/ whitening St.  
beaver mat<sup>21</sup>



4/2/12

Sunny, 35°

7:00 O'Leary on site; conduct TRSM,  
7:30 set up equip - Lu/C of R on site

O'Leary removes remainder of concrete from  
PA14 area; all concrete stock-piled in

SW corner of piling area; see logs for air monitoring

Begin removing soil in 2' lift from PA10/PA14

9:30 Begin excavating 2-4' from PA10/PA14;

4 truck loads of soil (40-50 yds) were

removed from 0-2'

-No visible dust generated during excavation

as all soil is moist

-removes 2-4' lift from PA14 zone (NC);

take XRF shots on 0-2' staged soil pile;

C<sup>14</sup> readings range from 176 ppm to 1162;

collect representative sample from soil pile 4 (0-2')

-Screen soil pile 5 (2-4' PA14 area) with XRF

if collect rep. sample

11:15 Complete entire PA10/14 excavation to 6' bgs  
in SE corner of excavation gray discolored soil w/  
petroleum odors is uncovered (5-6'); Peak Pd

11:10 Collect sample EW-PA-Soil Pile 2  
for haz/men haz analysis (CEMRA metals)

11:20 Collect sample OW-PA-Soil Pile 3A,  
OW-PA-Soil Pile 3B samples for disposal

11:30 O'Tech continues backfilling PA-08, PA-12

location w/ mix of excavated soil that screened

< 100 ppm Cd & < 200 ppm Cr and beam

material from along Whitney St.

XRF Soil Pile from PA08 7-8', 4 of 5

shots are < 100 Cd, < 200 Cr < 16As - reuse

as backfill & stage SW corner that

was 158 ppm for Cd

3/29/12 soil removed = ~~20x13x7'~~ 20x13x7' PA09

to yds moved 2nd time (soil pile 1A & 7-8' PA08)

12 yds beam backfill

3/30/12

→ 10 yds pile 1A 7-8' PA08

7x12 yds in truck beam mat'l

18 yds PA09 soil placed as backfill

(20x13x7')

1 hr x 2 guys sparging no increase

3/26/12 3/27

Chamney solids  
18 yds

4/3/12

reading of 90 ppm w/ saturated 25-45 ppm  
(5-10' north of PA15) along eastern PA wall

~~PA14~~ (Tank 6 vault wall)

2:00 Entire PA10/14 area dug to 6', remove  
soil to 8' immediately north of PA09 (20' E/WIS  
dig hole to 10' meter for backfilled well; stage  
soil on NW corner of low-rise slab)

2:15 Optech getting 500 gal of water for  
malasses mixture, cover staged piles w/ poly

2:45 Finisher getting water, install backfilled  
well north of PA09; take XRF shots on  
all stockpiled soil (except 6-8' soil); Optech

applies 100% gal of 5% malasses solution  
to PA09  $\frac{1}{2}$  area just south of PA10, west  
of PA10 inside newly uncovered concrete  
support structure

3:15 Pack up equipment, secure site

3:30 Lu/CofR / Optech off site

7:00 Optech / Lu on site; conduct TGSN

~~PA14~~ Optech continues soil removal in

PA14 area; encounter more petroleum-impacted  
soil in SE corner of dig along western tank  
vault wall (vicinity of former Tank 6 vault);  
PID readings on soil from 6-8' range from 25 to 250

ppm peak. dust monitoring is continuous though  
no visible dust generated; stage petrol-impacted

soils on poly on former low-rise slab. collect  
9:00 petrol soil sample for characterisation/profiling

OW-PA-Petrol. soil 1. ~~sample~~ Collect sidewall  
confirm sample OW-PA-SUC-9 from

north wall of PA10 excavation along eastern  
concrete structure wall

9:45 Run samples to Paradigm Lab while

Optech stacks piles beam mat'l along west  
side of plating area (1 hr +/-); Optech builds

small beam under staging area for petrol  
soil since soil is saturated @ 8' +/- soil  
will not run off onto slab

11:00 Resume removal of petrol/C<sup>+</sup> impacted

soil around PA14 area & stage; PID readings  
from 10-12' in SE corner of PA14/PA113

range from 28-325 ppm; breathing/work

Zone readings at perimeter of work area =  
0 to 4.4 ppm, < 4 ppm sustained

- West wall of Tank 6/7-8 vault on east wall of plating area is 5' ~~ft~~ tall; between PA13 & PA14 soil is still discolored beneath wall (petroleum); perched water sits on top of grey till (8-10" +/-)

1:45 complete soil removed in PA14 dig to 13-13.5' bgs. screen floor between PA14 & PA15, peak PID reading of 6.3 ppm;

- PID readings 0-4 ppm generally on floor soil

Excavator scrapes/collects sidewall sample 10' south of PA15 boring, peak PID reading on soil from 13' to 2' bgs = 1.4 ppm

Collect 2 additional grabs from floor of PA14 (13.5-14'); PID readings range from 0 to 12.4 ppm on floor

- Screen soil on sidewall 5' north of PA13; PID readings range from 28-287 ppm with one hit of 574 ppm, collect sample OW-PA-SWC-10

- Collect floor sample OW-PA-FC-11 w/MSD, screen all samples (sidewall & floor) w/ XRF gun

3:00 All petroleum impacted soil has been removed in PA14 area on east side of excavation (west side of stone/concrete vault 8-7-8-9 wall); vault wall is 5' tall concrete on top of stone wall, clean up & secure excavation  
4:00 Lu to Paradigm to drop samples, OTECH off site

Sunny, 40°

4/4/12

7:00 Optech on site

7:15 Lr On site, get equipment running, fence down

7:45 ~~Optech~~ Optech Sprays 200+ gal of molasses solution over entire excavation area (CPA09/10/11)

8:15 Optech removes remaining concrete off PA13 area to access pehal impacted soil @

8:5-9' bgs; uses top 5-6' as backfill based on previous XRF & analytical results; dig out remaining petralbum content.

Screen Southern sidewall of PA13 area - 0.0 ppm

PID

Removes soil to 13' in PA13 area, cleans out pehal. impacted soil to eastern excavation wall

10:00 Optech measures additional 3' of soil

to 6' west of PA09 where ow-pit-suc-7 failed for chromium (100 ppm); resample,

XRF readings on wall & floor.

Soil from overdig is added to soil pile 3K

going as maz.

10:40 Optech begins test pit @ former hydraulic lift. Staging 0-4' bgs for

re-use.

10:50 - Joe B., Cor, on-site.

Sunny, 40°

4/4/12

11:00 - 27 ppm @ 9' bgs, west, slight odor. Loading out 9-11' bgs.

11:05 - collect sample from 11' bgs.

Wet, no odor. PID = 3.2 ppm

Backfill with excavated material.

3 ~~1~~ loads <sup>#2 gravel</sup> backfill delivered.

12:45 - Op-Tech installing 4" wells in PA14 backfill areas. ~~4~~ wells total.

E-Tank removed from site (empty)

Eric D. sampling staged soil

piles for waste characterization.

- Total of 5 loads of washed stone

for backfill of PA14 dumped on site,

placed in floor of excavation (4-5' of

stone) around the 4 backfilled wells

3 wells on east side of PA14

installed w/ 70' screen, 5' riser, all others

have 5' screen

100 Run Samples to Paradygm

Additional 150+ gal. molasses ~~applied~~ applied to excavation

PA09 where additional sidewall material was removed (Sue-7), PA 10 & PA 14

3:45 Optech off site

4:00 Site Secure - Lu off site

7:00 Optech/Lu on site 4/5/12

7:25 Warming up equip., remove fencing around excavation, Tom

7:30 Tom F. on site; Optech finishes moving remainder of Soil Pile & soil from staging area on low-rise slab to excavation for backfilling

8:00 Begin loading beam material backfill w/ backhoe & dumptruck while will place backfill w/ excavator. Dust monitoring ongoing. Background PID reading = 0.0 ppm, no petn

orders in excavation (successfully removed)  
BEAM MATERIAL TRUCK LOADS: # # # # #

# # # # #

8:45 Both excavator & backhoe loading dumptruck w/ beam material

9:35 Excavator placing loads of beam backfill

10:45 Excavator loading beam material

10:30 Todd C. (DEC) on site, all soil

Piles are covered w/ poly per DEC call but 3A, 7 & 8 were covered. Greg A. on site

11:15 Tom & Sue Rossi (waste Man.) on site

11:15 Optech still moving beam mat'l

backfill. begin stripping chimney w/for from 250 gal tote into another 250 gal tote so solids can be added to solid waste pile (chimney waste)

\* 1 of the 2 drums of chimney water has been transferred into tote & solids placed in chimney waste profile

1:45 Continue backfilling, collect soil sample of solids in/around 2 cracks found in plotting area of floor (both contained in 1 drum)

DW-PA-Crock contents: 0 ppm on PID on sample workspace

partly sunny, 42° NE winds 4/5/12

2:00 Time F. Off site

3:20 OpTech finishes hauling backfill

from berm area - entire excavation now backfilled, roads final grading/well completions  
3:30 Site secure, LBL/OpTech off site

Sunny, 33°

4/6/12

7:00 OpTech on site

7:15 Ln On site, 2 Ricci trucks on site for non-haz. soil load out, trucks are 10-wheeler w/ piggyback trailer, can hold up to 4-37 tons/load

7:38 First truck off site (#5) (loaded with pile 3A/3B soil)

7:52 2nd truck (#7B) leaves site, OpTech consolidates piles 2/3A/5 for easier load-out. air monitoring continuous (see log sheet's)

8:15 OpTech loads non-haz chimney solids into dump truck to consolidate w/ soil piles for easier load-out

8:45 Truck 51 returns to site, gets loaded

LOADS: 1111 111 111

4/6/12

9:04 Truck 51 leaves w/ 2nd load

9:15 OpTech begins transferring remaining chimney water from 1 tote to another

so solids can be removed/added to soil pile

9:24 Truck 78 returns to site; gets loaded

9:32 Truck 49 (single 10-wheeler) arrives to haul

9:45 Truck 15 arrives (single 10-wheeler)

10:12 Truck 51 arrives; all trucks are being lined w/ poly

11:05 Loading truck 78; between trucks OpTech consolidating soil piles

- All trucks are tapped prior to leaving site

11:30 Have hauled approx. 470 tons of non haz soil, have 1-2 truck loads left

2:15 last tandem truck arrives but since OpTech is currently only able to send 500 ton total, truck is turned around & sent off empty; approx. 40-45 tons of non-haz. material remains on site. cover haz/non-haz pile 5; cover Cr<sup>6+</sup> contaminated concrete block w/ poly; soil piles 2, 24/35, 5, 7 and most of 8 have been

3:15 OpTech off site (will) (MIR off site @ 24)

3:30 Ln off site, site secure

(15-25, gusts to 45 mph)  
strong Wily wind, partly sunny, 40°  
4/9/12

(15:00-16:00) On site, Optech begins

by recovering pile 2 w/ poly (partially blown off), transfers remainder of chimney water into separate 275 gal. poly tote to remove solids; after transferring liquid, Optech vacuums solids out of tote w/ drum vac; will add solids to non haz. soil pile for land out

11:00 Optech finishes ~~transferring~~ transferring chimney water into clean totes & cleaning solids from other 2 totes; total of 550 gal of non-haz. chimney H<sub>2</sub>O for disposal (2 totes, 1 drum); Will begins breaking lead joints off 8" CI piping removed from plating area excavation to dispose of w/ haz. soil - XLF large yellow-stained concrete footer, readings range from 3800 ppm to 13,900 ppm Cr<sup>VI</sup>

- Dig 6 test pits surrounding TP-7 area to delineate petroleum impacts. collect samples from TP-7A (low-TP 7A) from 4-7' bgs, peak PID reading = 118 ppm @ 6', 75-80 ppm sustained - Appears impacts are limited to within 20' +/- radius of original TP-7  
3:15 stop/finish backfilling test pits, cover soil piles again (streams wily winds)  
3:30 Lu off site, Optech offsite to lab

# Paul (315) 415-7014 CURVE TABLES

## HOW TO USE CURVE TABLES

Table 1. contains Tangents and External to a 1° curve. Tan. and Ext. to any other radius may be found nearly enough, by dividing the Tan. or Ext. opposite the given Central Angle by the given degree of curve.  
To find Deg. of Curve, having the Central Angle and Tangent: Divide Tan. opposite the given Central Angle by the given Tangent.  
To find Deg. of Curve, having the Central Angle and External: Divide Ext. opposite the given Central Angle by the given External.  
To find Nat. Tan. and Nat. Ex. Sec. for any angle by Table 1.: Tan. or Ext. of twice the given angle divided by the radius of a 1° curve will be the Nat. Tan. or Nat. Ex. Sec.

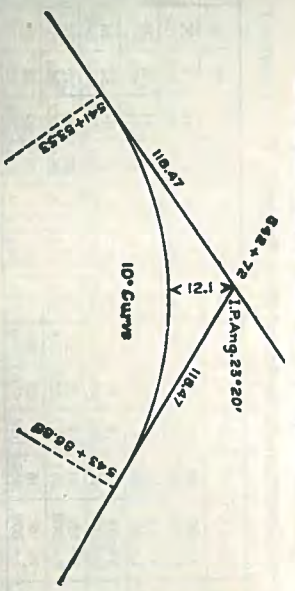
### EXAMPLE

Wanted a Curve with an Ext. of about 12 ft. Angle of Intersection or I. P. = 23° 20' to the R. at Station 542 + 72.  
Ext. in Tab. 1 opposite 23° 20' = 120.87  
120.87 ÷ 12 = 10.07. Say a 10° Curve.  
Tan. in Tab. 1 opp. 23° 20' = 1183.1  
1183.1 ÷ 10 = 118.31.

Correction for A. 23° 20' for a 10° Cur. = 0.16  
118.31 + 0.16 = 118.47 = corrected Tangent.  
(If corrected Ext. is required find in same way)  
Ang. 23° 20' = 23.33° ÷ 10 = 2.3333 = L. C.

2° 19 1/2' = def. for sta.	542	I. P. = sta.	542 + 72
4° 49 1/2' = " " "	+ 50	Tan. =	1 18.47
7° 19 1/2' = " " "	543	B. C. = sta.	541 + 53.53
9° 49 1/2' = " " "	+ 50	L. C. =	2 33.33
11° 40' = " " "	543 +	E. C. = Sta.	543 + 86.86
	86.86		

100 - 53.53 = 46.47 x 3' (def. for 1 ft. of 10° Cur.) = 139.41' =  
2° 19 1/2' = def. for sta. 542.  
Def. for 50 ft. = 2° 30' for a 10° Curve.  
Def. for 36.86 ft. = 1° 50 1/2' for a 10° Curve.



ORCHARD/WHITNEY SOIL LOADING

4/16/12 overcast, 65° (730)

WILL/MIKE Optech

- 700 Optech on site
- 715 Lu on site; Ricelli 10-wheeler w/ tandem trailer on site  
for non-haz. soil
- 730 Bobcat mini-excavator w/ hoe ram attachment on site for  
breaking up concrete footer (chrom.); Optech loads out truck
- 750 Ricelli truck leaves site (337 tons non-haz.); Optech moves  
Cr<sup>6</sup> concrete stages on slab next to haz. pile; begins breaking up concrete  
footer

DUST MONITORING

		<u>UPWIND</u>	<u>BZ</u>	<u>DOWNSWIND</u>	<u>PID</u>
NH Soil loading	730	BACKGROUND = 0.030 mg/m <sup>3</sup>			
	730	0.027	0.031	0.061	0
Breaking concrete	745	0.031	0.021	0.083	2.7
	800	0.019	0.024	0.047	0
	815	0.025	0.033	0.051	0
finish concrete	830	0.031	0.027	0.061	0
	845	0.024	0.029	0.034	0
	930	0.023	0.035	0.053	0
NH Soil loading	945	0.029	0.041	0.037	4.7
	1000	0.034	0.053	0.077	7.1
LOADING HAZ. SOIL	1045	0.030	0.026	0.041	0
	1100	0.018	0.024	0.045	0.8
	1115	0.017	0.021	0.028	0
TEST PIT	145	0.021	0.023	0.037	
	200	0.016	0.020	0.029	
	215	0.028	0.027	0.039	
	230	0.023	0.033	0.043	
	245	0.029	0.031	0.037	
	300	0.032	0.040	0.039	
	315	0.027	0.033	0.045	

DONE  
(NO SOIL  
MOVEMENT)

Exchange  
Structure



8<sup>45</sup> Done breaking concrete (backhoe  $\frac{1}{2}$  hoe ram); Jane F. on site

9<sup>00</sup> Optech drains purge water drums onto haz. soil pile

(1x 30 gal  $\frac{1}{2}$ , 1x 15 gal, 1x 35 gal)

9<sup>12</sup> Bobcat picks up hoe ram (rental) excavator  $\frac{1}{2}$  leaves site

9<sup>23</sup> Ricelli truck returns to site for non-haz load out, loads out  $\frac{1}{2}$

9<sup>50</sup> leaves; tiny bit (500 lbs $\frac{1}{2}$ ) of Non haz soil remains ... add to haz. pile

10<sup>00</sup> Haz. trucks arrive (2x trailer - 8 wheels) from Page E.T.C. Inc.

11<sup>10</sup> First truck is loaded, tarped and leaves site; load 2<sup>nd</sup> truck

~~add~~ add 2 crocks/soil from drum onto haz. pile for disposal; all

purge/development water from plating area has been added to haz. soil

11<sup>45</sup> 2<sup>nd</sup> truck of haz leaves site (tarped); Optech changes

bucket on excavator for final test pitting

12<sup>30</sup> lunch

1<sup>00</sup> Optech sends Will to shop w/ trailer of empty totes, equip

2<sup>15</sup>; 1<sup>st</sup> Haz. truck returns to site; was 6,000 lbs overweight

begin test pit 7B headed south from TP-7; excavate monitoring well

approx. 30' south, 10-12' west of MW 20; TP 7B extends to within

12-15' of tunnel wall, still impacted from 4' to 7-8' (grey)

Optech stages 2x 275 gal chimney water totes on trailer; 55 gal drum;

backfills TP 7B

Optech/hu offsite, site secure

Location Orchard/Whitney Date 9/30

Project / Client City of Rochester

7:37 Lu Onsite

7:54 ↪ Paragon onsite already (Robert)  
Drill started

Location \_\_\_\_\_ Date \_\_\_\_\_

Project / Client \_\_\_\_\_

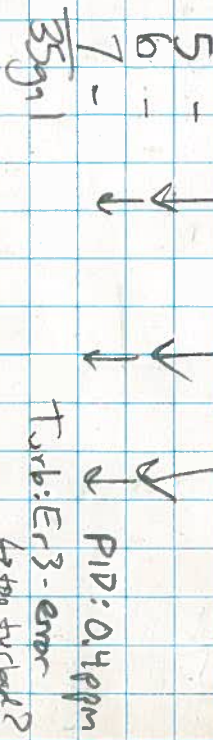
~~MW-11~~

~~2nd well~~ 0.163 x height of water

DTW: 4.41' 10.30' = 1.65 gal  
TD: 14.71'

1 gal - extremely turbid, no clarity

Sulfur smell



Location \_\_\_\_\_ Date \_\_\_\_\_  
Project / Client \_\_\_\_\_

MW-9 : S on Whitney  
DTW = 8.23 1803 \* 0.163 =  
TD = 18.03 1.60 gal

5 gal	
1	- Extremely turbid - no clarity.
2	"
3	"
4	"
5	"
6	"
7	"
35 gal	

Location \_\_\_\_\_ Date \_\_\_\_\_  
Project / Client \_\_\_\_\_

MW-8 Orchard St.  
DTW: 10.04 6.62 \* 0.163 =  
TD = 16.66 1.06 gal

5 gal	
1	Extrem turbid / no clarity
0.5	"
purged dry	"
7.5 gal	purged w/ bailer

With Whale Pump

1 gal Slightly less turbid than w/ bailer

2 Continuing to become less turbid. very slightly

0.25

11.25 gal purged w/ whale pump.

Purge rate of  
Whale Pump is  
approximately 1.5 gal/min.  
Have to shut off pump  
with for each bag removal.

Location \_\_\_\_\_

Date \_\_\_\_\_

Project / Client \_\_\_\_\_

MW-10 N. on Whitney St.

DTW: 8.06

TD: 16.41

$$8.35 \times 0.163 = 1.34 \text{ gal}$$

Seal

Extremely turbid, No Clarity.

0.5 " "

pump dry

Location \_\_\_\_\_

Date \_\_\_\_\_

Project / Client \_\_\_\_\_

MW-18 10/5/08

In f. HoD 6:33 TD 15.4 muddy

started pumping @ 1:34

water very turbid

1:38 surging well 5 gal very turbid

pumping 5 gal/min. = 75 gpm

2:06 clearing, surging w/ pump ceases

made higher turbid. 5 gal

total: 30 min = 375 gal

- 500 gal HoD used for well installation

75% returned to groundwater

during drilling so 125 gal lost

2:36 75 gal.

3:36 150 gal clear 7.2 NTU

stop development on MW-18

Location \_\_\_\_\_ Date \_\_\_\_\_

Project / Client \_\_\_\_\_

MW-8 Orchard St.

DTW 9.79  
TD 17.38.

- 18.75 gallons previously purged
- Using whole pumpdown 2 gal/min)
- Dry after 9.5 gals.

Location \_\_\_\_\_ Date \_\_\_\_\_

Project / Client \_\_\_\_\_

017 do. 016 (done)

MW-19

Starting Water Level: 8.64'  
Final Water Level: 11.55'  
Starting Well Depth: 13.97'  
Final Well Depth: 14.23

- Using whole pumpdown 2 gal/min.)
- Dry after 4 gals, turbid

Location \_\_\_\_\_ Date \_\_\_\_\_

Project / Client \_\_\_\_\_

MW-09 (S. on Whittney St)

Time: 15:30

- After 40 gal w/ bailer  
no turbidity improvement  
began to develop w/ water pump.

5 gal

- 2 extremely turbid.
- 3 " " "
- 4 becoming slightly less turbid
- 5 still turbid but less.
- 6 still turbid w/ less turbid.
- 7 " " " "
- 8 slightly less turbid.
- 9 not less turbid.

Location \_\_\_\_\_ Date \_\_\_\_\_

Project / Client \_\_\_\_\_

MW-21 10/7/08

14:25 DTU 5,45' TD 16.50

15:40 20 gallons purged w/ wheel pump.

16:50 40 gallons purged to total

17:30 65 gal purged to total

10/7/08  
MW-19

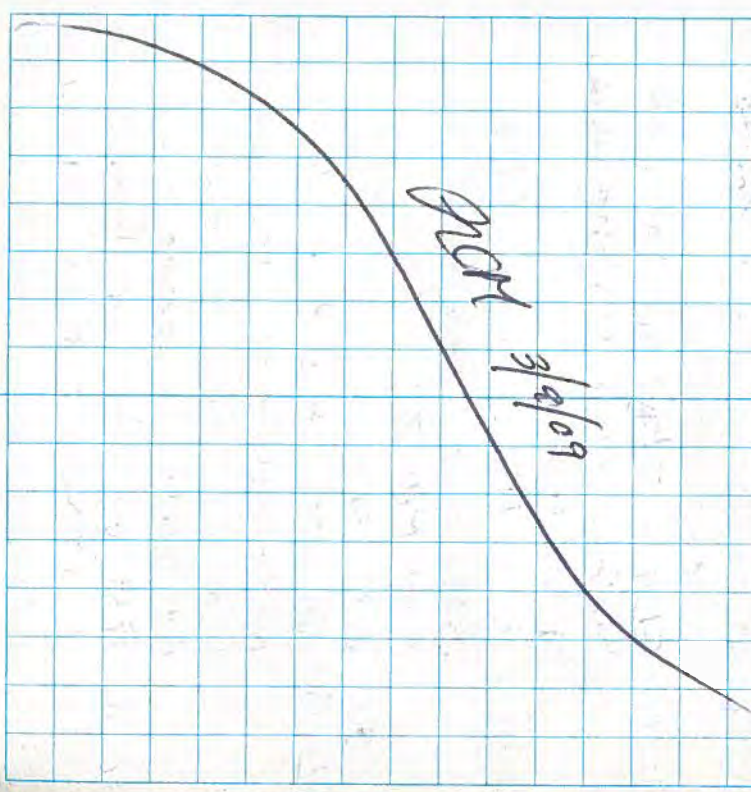
bailed dry @ 3 gal - no ink.  
H<sub>2</sub>O level taken, but 5' H<sub>2</sub>O #1-  
in well prior to bailing  
... turbid but not much sediment

- 17:30 X 1 gal of 5 gal. removed  
some sediment + turbid, but not  
muddy

- 8:30 RCM picking up equipment from Astead
- 9:00 RCM, Brian B, Mark S onsite to Groundwater sample
- 9:30 BB setting up on MW-9 MS setting up on MW-10
- 10:00 RCM setting up on MW-3 Need tubing & maps from office, call Greg, Christine will come out
- 11:00 Brian sampling MW-3 Distine (Clyde) onsite with supplies, MS completes MW-10
- 12:00 MS completes MW-10
- 12:15 BB completes MW-9, offsite for lunch
- 12:40 RCM sampling MW-3
- 3:00 BB set up at MW-7 MS set up on MW-19
- 13:10 MW-3 + MW-3D samples complete, RCM offsite for lunch
- 14:00 RCM back onsite, setting up on MW-5

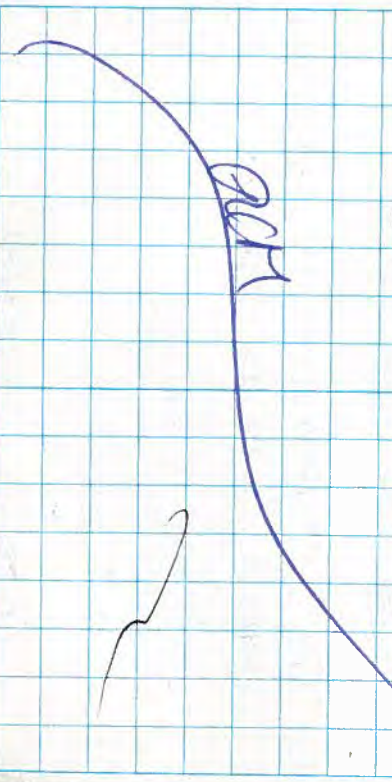
- 15:30 Complete MW-5, 7 + 19
- 15:45 RCM moves to MW-12, BB moving to MW-18, MS moving to MW-14
- 17:00 Sample MW-12
- 17:15 Complete MW-12
- 17:30 Complete MW-18 + MW-14
- 18:00 Offsite

RCM 3/9/09



- 9:00 RCM, MS + BB onsite, note from GEA saying slug testing will occur on MW-10, 14, 16, 20 + 22 today!
- 9:30 Begin setting up, RCM on MW-20, BB on MW-16, MS on MW-15.
- 11:00 Same Forber CoR onsite to check progress.
- 11:30 GEA + ERD onsite to perform slug testing, begin @ MW-9
- 12:00 BB + MS move to Orchard Street to sample MW-8 and MW-22
- 12:00 RCM samples MW-20
- 12:15 BB calls MW-8 is frozen near surface, can sample but not able to obtain GLL levels at same time.
- 12:30 RCM off site for lunch  
 On site Crafts taking equipment to Ashland for repair.

- 13:10 RCM back onsite, GEA + ERD slug testing @ MW-10
- 13:45 Begin set up @ MW-11
- 15:10 Begin sampling MW-11 installing MS + MS D
- 16:30 Complete MW-11, move to MW-13, BB moving to MW-16
- 16:45 GEA + ERD move to slug test MW-22
- 16:55 MS offsite
- 17:30 GEA + ERD offsite
- 18:00 Complete MW-13 + MW-16 offsite
- 18:15 Offsite





Location Orchard-whitney Date 4-14-11

Project / Client Add'l PI GPR survey

9:00 - Greg Andrus + Laura Newbauer  
Mike for GPR survey.  
Eric + Tree onsite tomorrow  
concrete in tank pit area.

9:40 - Line 1 start 4D south  
of fencepost (fmr. Bldg. 5).  
Go east toward Orchard St.  
Parabolic pipe signature @ 76'.  
~4' depth.

10:00 - Attempt to scan tunnels.  
Poor visibility due to silty soils  
and concrete steps.  
Discuss limited effectiveness  
of GPR w/ some Forbes.

10:30 - L. Newbauer off-site to  
return mala to Ashstead.

14

Orchard/Whitney

18M (USTs)

45° Cloudy + Rain

8:00

tree crews, pumping out/excavation  
(~ 10" water)  
scan tunnels / tanks

8:40 water level dropped

many need another tank for water

look at hydraulic pit (water lift)  
remind about hydraulic lift  
55 x 35, 2' deep, 942 yd

10:30 create berm for tank 1-5 sand  
tank 9 vault  
scraped mud + water

10:40

pipe found in vault  
pipe is already large amounts of  
water to enter Tank 9 pit  
elev. in pit 11.5' h.g  
elev. in tunnel 7.5' h.g  
y'd had will enter Tank 9 pit 4'

Location \_\_\_\_\_  
Project / Client \_\_\_\_\_

Location Orchard-Whitney  
Project / Client RPA (USFS)  
60° Survey

7:30 truck crew take covers off soil next to tank  
'put in dumpster truck to landfill  
load ~32 tons into truck  
↓ soil / from tank vault (9)

8:00 water greens in tank (9), Chromium

8:10 11'2.25" water level + Height of  
(M.F., 2.25 inches) vault 9 tripod

H.I. 4 ft, 3.5 inches  
(Height of instrument)

4.29' HI

11.19 ft to water

vault 9 = 6.9 ft water

water level down 0.07 ft. from

B.I.s afternoon ~195 gallons lost

overnight.

9:00 2nd dumpster truck trip, put rest of soil

sand in, take to landfill.

9:40 depth of water 6.62 ft MWLG TOR

top of curb box 0.28 ft.  
(ground surface)

12  
11  
12  
12  
12  
12  
12  
13  
14

Project / Client IBM

60°f, cloudy / some rain

10:15 3rd ~~truck~~ dumpster truck ~~load~~ load

no tree crew show<sup>ing</sup> in vault &

10:30 MW17 water level 6.06 ft. went down 1/2 inch from last reading

11:15 ~~one~~ 4<sup>th</sup> dumpster truck arrives on 5/18/11 fills w/ soil from vault.

12:30 pm 6<sup>th</sup> dumpster truck load

1500 pm 7<sup>th</sup>/<sup>8</sup> dumpster truck load  
tree crew move soil/dump into consolidated pile

9 truck loads (total) to land fill.

1:30 plan to drop poly over vault, talk about filling top, to same question

can fill all except tank & vault  
can fill 29 yards tomorrow 5/20/11  
-more hydrolic lift

Project / Client

continued from pg. 20

1:35 pm tank will come out 4:00 pm

1:50 start <sup>lifting</sup> hydraulic lift ~~digging~~ info

maybe a stationary lift on one side

2:21 Chromium results not ~~from~~ hazardous

1.5 ppm

3:45 Entd takes soil samples

Hydrolic lift covered for weekend

3:30

Project / Client Sealing vault 9 / Pumping 57°F, cloudy / Rain

- 7:50 the crew prepare to fill in vault 9
  - pull hazardous soil from vault 6, into Adir tank staging. lead
- 8:00 rec crew pump water out of vault 9
- 8:20 pipe found in vault 6 (thought it was the bottom of vault w/ further digging)
- 9:00
  - 10:15 w/ ft. water left in vault 9. There appears to be no bottom in vault 6, continue excavating (took pipe out, soil from vault & smells heavily of petroleum.
  - vault 9: water leakings from "dam"
- 10:40 ~~that~~ rec worker clears a pipe in vault 9, most of water is pumped out. Move trash pump to another location in vault 9.
- 10:45 DEC arrives (Project manager) measured vault 9 on 11th, not quite 12ft.
- 11:30 Pumping of vault 9 complete. Eric takes soil samples from floor of vault 6.
- 11:55 ~~done~~ rec crew chow bucket on machine ~~done~~ (50 mins)

Project / Client Filling vaults

- 12:00 pm cement/concrete truck arrives, fills in vault tank 6 + vault 9
- 12:50 pm 2nd cement truck arrives. poly. 2nd cement truck arrives.
- 1:50 3rd cement truck to vault 9
  - start excavation of hydrostatic pump tank (no reading) safe level
- 2:30 4th ~~truck~~ cement load arrives
- 2:50 ~~truck~~ moves cement around, level in vault 9
- 3:50 5th cement truck to fill vault 9
- 3:40 6th cement truck arrives.
- 4:15 8 trucks total

Location Orchard - Whitney Date 5/23/11

Project / Client Hydraulic Lift

70°F, sunny, windy, rainstorm hit around 12

8:00 cement truck, tree crew

fills vaults 1-5

consistency of vault 9 not quite "hardened",

still a little soupy

5.8 ft, depth of vault 9 from ground surface

8:50 2nd truck load for vaults 1-5

some water (rain) will be pumped out

10:30 new retrieved dust monitors, set up.

11:15 excavate another "pit"

12:40 measured elevator pit after dig, 13' x 9' x 4'

1:30 ~~observed~~ tree crew cleaning up / packing guards around pits, vaults

13

14

Location Orchard - Whitney Date 5/23/11

Project / Client Backfill, disposal lead contaminated soil, hydraulic lift

80°F, warm, sunny, humid.

9:40 ~~tree crew~~ on site

8:35 set up dusttrucks

9:40 pump water to clean tank. Greg on-site

water from Whitney street.

9:50 cleaning tank → oily sludge

10:20 done cleaning tank

10:25 deactivating the vault. paint to mark where vault walls occur where they are backfilled.

11:00 ~~tree~~ retrieve dusttrunk monitors turned on. tree crew collecting bricks / material for backfilling.

11:27 move pump to vaults 7/8. turn dust trucks off. tree offsite for lunch.

12:00 on-site, continue tree contractor's collecting bricks / demolition material for vault. Continue backfilling.

"dust trucks on"

"continue pumping vaults 7/8"

12:55 truck arrives for vault

"tree smoothes + compresses board dirt / brick demolition material in vault 9."

Location Orchard - Whitney Date 5/19/11

Project / Client Disposal of lead contaminated soil  
godfill of vault #9. 90°F very warm, sunny.

1:00 Dave on-site,  
looks through hole in vault #9.

~ Sees a gasoline

~~beginning~~ begins loading truck w/ soil.

1:15 truck leaves site w/ lead contaminated soil.

1:30 continue backfilling vault #9.

tree crew start Tim on-site

2:00 depth of 2' wide x 2' below ground surface  
has a metal top on it,

construct made of ceramic.

2:20 begin pumping out water from vaults 1-5,  
very shallow (covers bottom)

complete loading soil into vault #4 7/8.

3:30 tree off-site

Project / Client Hydraulic Lift.

60°F, sunny, clear, breezy

7:50 tree, Eric on-site. Setting up.

8:20 dust tracks set-up.

tree begins excavating hydraulic lift.

8:40 ~~start~~ 9' possible petroleum contamination

Strong odor. Backfill reached at 11 ft.

(Instruments read

took 3 samples to send to 25 ppm)

paradigm. Samples taken from

approximately 10-11 ft.

9:25 tank pulled out of hydraulic vault, tank is

4.5 ft long, 1 ft wide.

10:15 hydraulic lift / vault backfilled. TRC runs

over 950, boiler.

11:00 tree crew dig through demolition material

dust trackers turned on

11:45 tree leaves site

1:20 tree on-site. Arrive w/ water tanks.

fill water tanks from hydrant on Whitney

str.

Location

Orchard-Whitney

Date

6/2/11

Project / Client

60°F, clear, sunny

- 7:40 tree on-site, sweeping ground near vaults (9)
- 9:00 tree power washes ground near vaults (1-9)
- 10:00 looking around tank for carbon treatment
- 11:00 tree off-site, for off-site for the day.

Location

Orchard-Whitney

Date

7/6/2011

Project / Client

Well drilling / installation  
75°F, clear + breezy

- 8:10 Northrop Drilling on-site. ENC on site
- 9:45 Northrop drilling on 1st well
- 10:30 Begin 2nd well. Take soil samples, dust/tracks turned on, recording.
- \*Cr+As detected/screamed in soil bores
- 1:00 remove Northrop deans drills

Location Orch/Walnut Plotting Area 120m Date 4/20/12Project / Client 60', sunny730 Lu/DPTech on site to ~~load~~ load/haul

2 more trucks of haz. soil

745 1st truck arrives, uncovers &amp; is lined w/

poly

755 2nd truck arrives

\* Total for non-haz soil hauled off site

532.65 tons

830 Jove F. on site

845 1st truck leaves site; truck is tarped

 $\frac{1}{2}$  placards

855 2nd truck leaves site tarped, manifests

signed  $\frac{1}{2}$  All haz soil has now been

hauled off site; Jove F. off site

900 DPTech / Lu off site; site secure

Location Orch/WalnutDate 12/3/12Project / Client Groundwater Sampling (Final Round)

Sunny, 50' Low-Flow Samplers

800 Rte up GW pumps, monitoring equip

830 On site; set up in former Plotting area

@ PA-03 and PA-04. PA-04 is missing

J-Plug (on ground); hook up geopumps and flow-through cells;

9:40 begin pumping @ PA-03 (purgng)

10:00 Begin purging @ PA-04

10:30 Sample PA-03; move to PA-09

11:00 Collect PA-04 sample (PA04-12-03-12);

Begin purging PA-09

11:28 Begin purging PA-14 (backfilled well);

punge water has tan-green discoloration and an unusual sulphur-like odor (molasses?)

12:15 Collect PA14-12-03-12 sample; UOC.

Samples produce a lot of bubbles, appear to be a reaction between HCl present and whatever is in ground water, difficult

to get all bubbles out of 40ml vial VOA vials (tiny bubbles sticking to sample jars)

Move to purge and sample PA-15S and

PA-15D (nested pair)

12:45 Collect PA-15D Sample after

purgng approx. 2 gal



Location Orch/Watf Date 12/3/12  
 Project / Client Low-Flow Groundwater Sampling

- 13:00 Collect PA-15S Sample, initial depth to GW between shallow & Deep wells is approx. 1.3' (9.03 vs. 10.3 ft btrc)
- Purge and sample MW-16 & MW-17 (Picking Area) water in MW-17 is clear, no green-yellow discoloration
- 15:30 Move to MW-15 and MW-23 in former Ins-rise area to sample; begin purge
- 16:15 Collect MW-15 Sample
- 18:32 Collect MW-23 (new well) Sample
- 16:45 Ltr off site, Site secure

Location Orch/Watf Date 12/4/12  
 Project / Client Low-Flow GW Sampling

- 8:30 Arrive on site w/ J. Bissi, calibrate instruments (Turbidity & H<sub>2</sub>O quality meter) & set up
- 9:10 Setup to purge MW-19 & MW-14. MW-19 protective box is full of storm water, above top of nizer; bail out before removing j-plug
- MW-14 purged dry before sampling well, allow to recharge throughout day
- 10:20 sample MW-19. move to MW-06 & 07
- 10:40 Begin purge of MW-06 & MW-07 ~~the~~ MW-07 only has 0.3' of water in it; Purge dry & allow to recharge
- 11:30 Sample MW-06
- 11:40 Sample MW-07; move to MW-18 & MW-20 & purge
- 1:05 Sample MW-18 & MW-20; Duplicate as Sample collected from MW-20
- 12:45 Setup & purge MW-05 & MW-13

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PAGE NO.	REFERENCE	DATE
1-12	Orchard-Whitney Site	9/30/08 10/5/08
13-	Keyden ERP Site	11/3/08

Orchard/Whitney (City of Rochester)  
Well Development - 9/30/08

①

MWD - 10

Starting water level - 7.59'  
Final water level -  
Initial well depth - 15.18'  
Final well depth -

Total Purged

Turbidity

5 gal	1034 NTU
10 gal	617 NTU
15 gal	811 NTU
20 gal	544 NTU
25 gal	273 NTU

will purge

② Orchard/Winterney - Well Development

10/01/08 MW: 1

Starting Water Level: 5.67'

Final Water Level:

Starting Well Depth: 13.32'

Final Well Depth:

Amount Purged

5 gal

10 gal

Turbidity

264 ntu

29.4 ntu

③ Orchard/Winterney - Well Development

10/01/08 - MW: 14

Starting Water Level: 8.69'

Final Water Level:

Starting Well Depth: 13.71'

Final Well Depth:

Amount Purged

Turbidity

Comments:

- Dry after 4 gals; Very turbid

④ Orchard/Whitney - Well Development

10/1/08 - MWS.15

Starting Water Level - 7.31'

Final Water Level -

Starting Well Depth -

Final Well Depth -

- 10 gals purged; Extremely turbid

⑤ Orchard/Whitney - Well Development

10/2/08 - MW.16

Starting Water Level - 7.0'

Final Water Level - 7.16'

Starting Well Depth - 22.57'

Final Well Depth -

Amount Purged

Turbidity

10 gal.

over range

20 gal

11 1/2

30 gal

11 1/2

Comments:

- Still very turbid after 10 gal. bailed  
- stopped @ 30 gals

(6)

Orchard/Witney - Well Development

10/2/08 - MW. 12

Starting Water Level - 4.46'

Final Water Level - 6.83'

Starting Well Depth - 14.64'

Final Well Depth - 15.16'

→ 30 gals. previously bailed

→ using whale pump - approx. 2 gals/min.

105 pumped (135 removed total) - 43.3 NTU

Total Removed (pump & bail) = ~150 gal.

10/2/08 - MW. 12

Starting Water Level - 6.16'

Final Water Level -

Starting Well Depth - 12.63'

Final Well Depth -

→ approx. 30 gals. previously bailed

→ using whale pump - approx. 2 gal/min.

\* Dry after 4 gals.

(7)

(5 on Witney)

MW -  
13:12  
TD 17.95  
DTW 9.29

~~5 gals~~

extremely high turbidity

" "

Very slightly less turbid

" "

" "

2  
3  
4  
5  
6  
7  
8

well logs

⑧ Ormond/Whitney-Well Development  
10/7/08

MW-13

Starting Water Level - 6.53' } Measured from  
Final Water Level - 6.43' } TOR  
Starting Total Depth - 14.36' }  
Final Total Depth - 14.37' }

Hand Bail:

total purged: 10 gals.  
- very turbid

Whale Pump: appx. 2 gal./min.  
Amount Purged (bail + pump)

Amount Purged	Turbidity
20 gals.	679 NTU
25 gals.	625 NTU
85 gals.	130 NTU
45 gals.	34.3 NTU

total removed: 45 gals

- very clear

MW-20

Starting Water Level - 5.70' } Measured  
Final Water Level - 13.86' } from TOR  
Starting Total Depth - 16.59' }  
Final Total Depth - 16.61' }

Hand Bail:

- Dry after 5 gals.  
- very turbid  
total removed - 7 gals  
- still turbid  
522 NTU

MW-17

Starting Water Level: 6.37' } Measured  
Final Water Level: 10.64' } from TOR  
Starting Well Depth: 14.89' }  
Final Well Depth: 15.32' }

Hand Bail:

- less than 2' water after 10 gals.  
- water colored slightly green  
- very turbid

Whale Pump: appx. 2 gal./min.

total removed (bail + pump) = 16 gals.  
- still very turbid

10/8/08

- Bright Green water sitting on top of water column  
- Removed additional 25 gals. via bailer  
- still turbid

(10)  
10/8/08 - Orchard/Whitney-Well Development  
MW-21

Starting Water Level - 5.57'

Final Water Level -

Starting Well Depth - 18.19'

Final Well Depth -

} Measured from TOR

- Removed approx. 8 gals w/pump

10/14/08

8:00	RCR onsite, unlock coner box, unpack instruments.
8:30	BB onsite, with Lu van, pack sample coders and mob to HW-10 and HW-9.
9:00	Begin RCR @ HW-10, BB @ HW-9.
11:00	Have onsite to HW-13 and HW-20
11:30	GLA onsite taking surface soil samples
13:00	GLA off site
13:15	Complete HW-13/H5/H5D
14:20	Complete HW-20
14:15	Move to HW-21 and HW-17
16:00	Complete HW-17
16:30	Pump HW-21 dry, sample on recharge
17:00	Pack van empty coner box
17:30	Complete HW-9, only 3 LL Amber due to low volume
17:45	Off site, pack coner box

~~RCR 10-14-08~~

12  
10/15/08

- 8:00 BR onsite, Orchard St. NW-22
- 8:20 RCH onsite
- 8:30 Begin setting up on NW-22
- 8:45 Begin purging NW-22
- 9:40 Harvesters stable, sample
- 10:00 Sample complete, pack cassettes, off site
- 10:10

ORCH  
10-15-08



8:15 Onsite RM, SW, RG, LS  
Sweep Building, OK with Security

8:45 RM SW begin light inventory  
Road SW start 1 ballast  
7th Floor

Ballasts

Bulbs

7

2

1 ← in SE hallway → 2

8 ← non PCBs many broken bulbs  
"Advance Transformer Co" NO PCBs

Call SM-2E75-S2-TP "20"  
12 + many broken

4 Exit lights

6th Floor

Ballasts

Bulbs

3 "Universal"

4

2 "Advance" PCBs

4 "No PCBs

3 "retro style

Hall 7 "Universal" Cat 806-BR-TC-P

8 "Advance" above suspended ceiling units

30 "Advance" "Vintage" 65 bulbs

1 exit light

10:00 Begin 5th Floor No PCBs

2 "Advance" R-2540-1-TP  
L ballast 4 bulbs

23 "Universal" No PCBs 806-BR-1

18 "old style - none available to check  
in SE Addition area

140 ballasts (30 units)

14 22 Universal 806-BR-TC-P "No PCBs"

8 Advance SM-2E75-S-TP

136 bulbs

2 Exit ~~lights~~ fixtures (no bulbs)

10:30 GLA onsite, start 4th Floor

4th Floor

Ballasts

Bulbs

48 "General Electric"

148

Cat 8G1141

5 Unknown + 14 Unknown (Similar to other  
Advance - Non PCBs)

12 "Advance"

SM-2E75-S-J-TP

34

2 Exit light fixtures

Location Orchard/Whitney Date 8/24/06  
Project / Client CAGR

1 Emulsion system for  
1800-632-6682  
1300-221-1370  
1430 Move to WJ

354 Whitney  
NE 1st floor  
32 8' modern > ballast  
12 4' retro

1300 Stop inventory, continue walk through  
2 drums, 10 5 gal pails, mark concrete  
toluene in SE corner 2nd floor  
1 drum 55 gal propylene glycol  
Stems almost empty at NW  
corner 2nd floor 354 Whitney

~~APP~~

Location Orchard/Whitney Date 8/30/06  
Project / Client CAGR

830 RCH, SW, RG & LS onsite  
security sweep Orchard &  
Whitney sites.  
1000 collect sampling equipment  
mob to Whitney site

Recount lighting fixtures/balls  
NE Area of Whitney 1st floor  
~~48 balls~~ 137 balls

12 retro fixtures  
32 modern fixtures  
Repair shop NW  
4 retro fixtures

12 unknown ballasts  
South shower room area  
4 unknown ballasts  
2 retro

NE Area Garage  
48 unknown  
5 ball  
2 retro

1040 Begin 2nd Floor  
9 balls  
24 unknown fixtures  
Nepher stage

~~48~~ 54 fixtures - 1 ballast each

Suspect single light 3' bar  
GE Cat 58G647

High Power Factor ballast

1st Floor SW Room (35 bulbs)

28 newer unknown ballasts

4 retro style - suspect units

1100 Move to outside

Engine Room

20 bulbs / 2 fixtures (ballasts)

Boiler Room

~40 retro style suspect lighting

piled on ground

8 newer style fixtures (unknown)

(6 bulbs)

Lunch

Back onsite, mob to Whitney

Sample N Elevator shaft

no oil reservoir accessible

wipe stain on side of motor

no concrete pad

Move to 1st Floor, attempt

to wipe sample oil seepage

on wall, wipes are dry

100 Move to Engine Room

Chip sample

Equipment Pads

NW Pad CH-01

SW Pad CH-02

NE Pad CH-03

Chip Sample Transformer Vault

NE corner under water

NW Floor CH-07

SW Floor CH-04

X16

X15

Whitney lights

Bulbs      Fixtures

~~Unknown~~  
containers

137      12      32

9      4      12

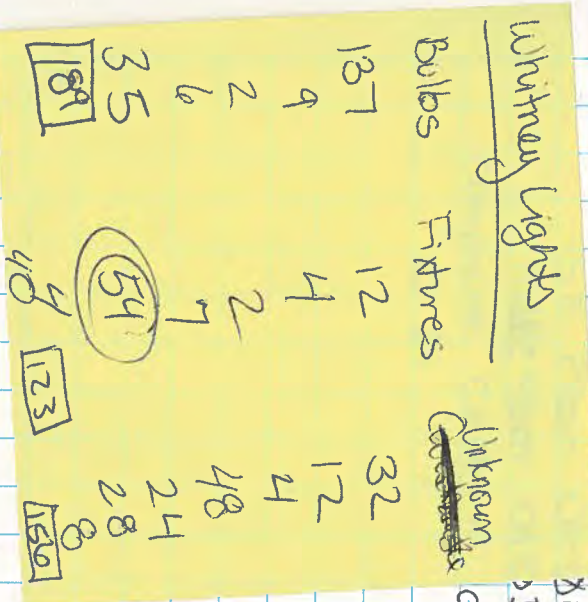
2      2      48

6      7      24

35      (54)      28

189      4      8

123      150

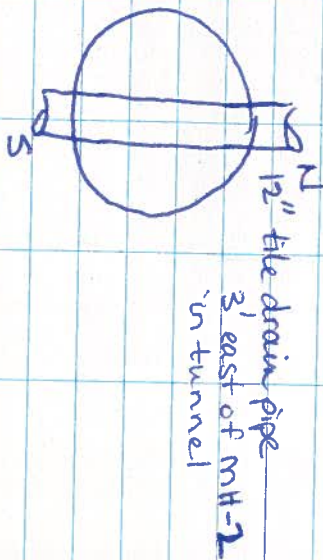


Location Orchard-shutney Date 4-14-11  
Project / Client Utility Assessment

2. Newbauer + G. Andrus onsite for utility assessment.

"Tunnel to Lyell" runs from Bldg. 2 powerhouse N/S to Lyell Ave.

**MH-2** round, cast iron, 4' deep



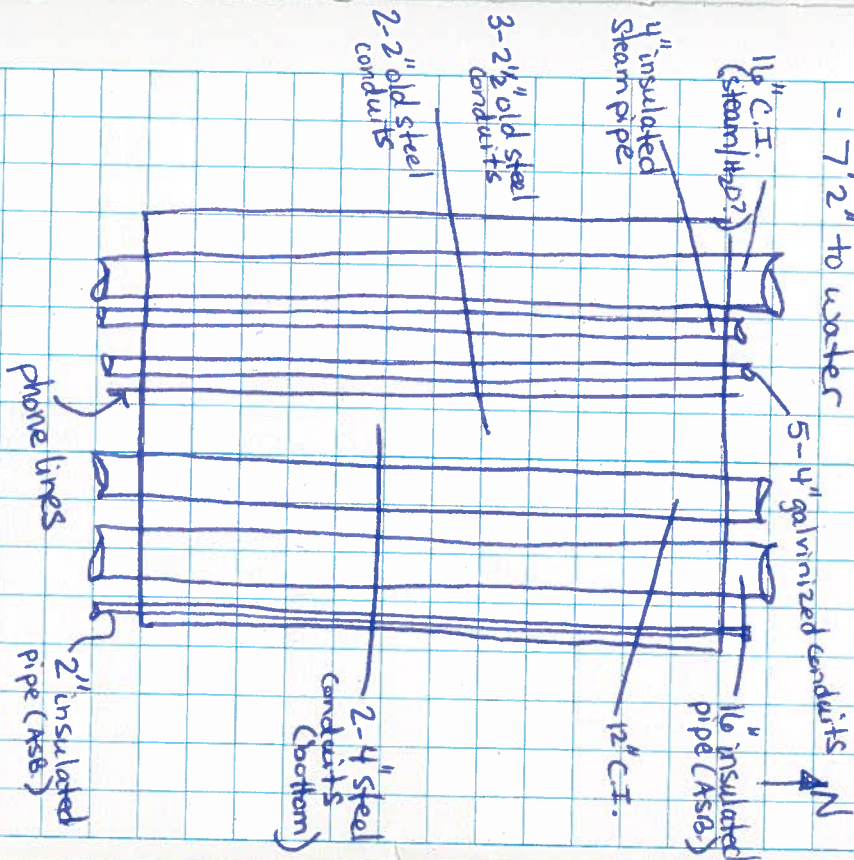
**SD-1** storm drain, east man 37" deep  
~1/2' south of MH-2  
20"x16" C.I. drain inlet

Location \_\_\_\_\_ Date 4-14-11

Project / Client \_\_\_\_\_

Tunnel access #1

- Fiberglass/concrete cover ~7' south of SD-1. 36"x53" opening
- 8'2" deep
- 7'2" to water



- Contains electric, phone, sewer, storm, steam utilities

Slab penetrations in former low-rise

**Pit #1**

21" x 14" opening

- 35' west of NE slab corner
- 41" deep w/ sediment NE 3"



- 38' to water

possible grit chamber or d/w sep.??

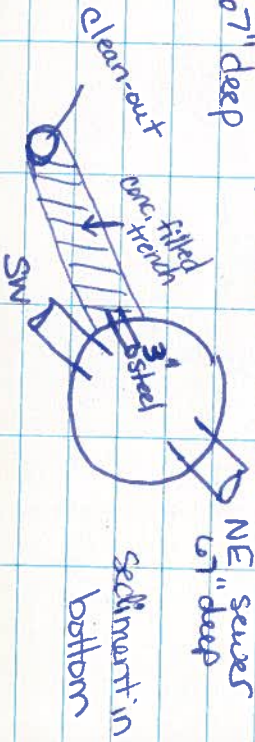
PID = 0.0 ppm

noshreen, no odors

**MH-5**

14"  $\phi$  sewer access

- 67" deep



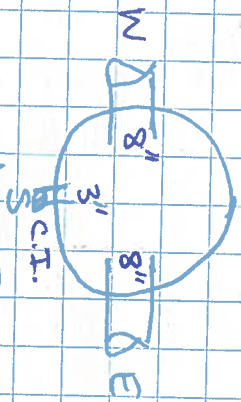
NE 3" sewer

sediment in bottom

**MH-6**

14"  $\phi$  sewer access

- 73" deep w/ 1-2" water in bottom

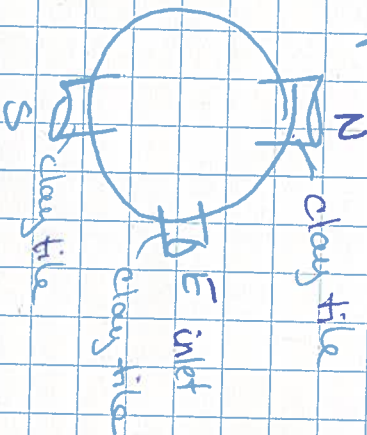


- Sewage odor, PID = 0.0 ppm

**MH-4**

8.5"  $\phi$  sewer access

- appears to be junction of small dia. sewer pipes
- brick construction
- 73" deep



**Pit #2** 22"x14" D.I. covered by diamond plate

- 40" deep  
 - same construction as Pit #1.



**MH-8** 14"  $\phi$  sewer access

**MH-7** inaccessible. 24"  $\phi$  cover

**Pit #3** 3'  $\phi$  covered by 3'x3' square steel plate. Brick construction

- 106" deep



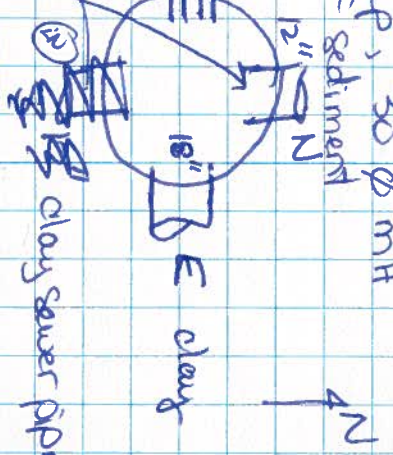
4-6" pipes visible in tunnel E/W

- filled with debris  
 - appears to be large valve pit w/ gears and crank shaft leading to valve on large steam line (ASB) visible approx 8-10' to South in tunnel

**MH-3** brick construction

- 36" deep, 30"  $\phi$  MH  
 - full of sediment

$\phi$  ID = 0.0 ppm  
 C.I. w/ 8"  $\phi$  clay w/ 2

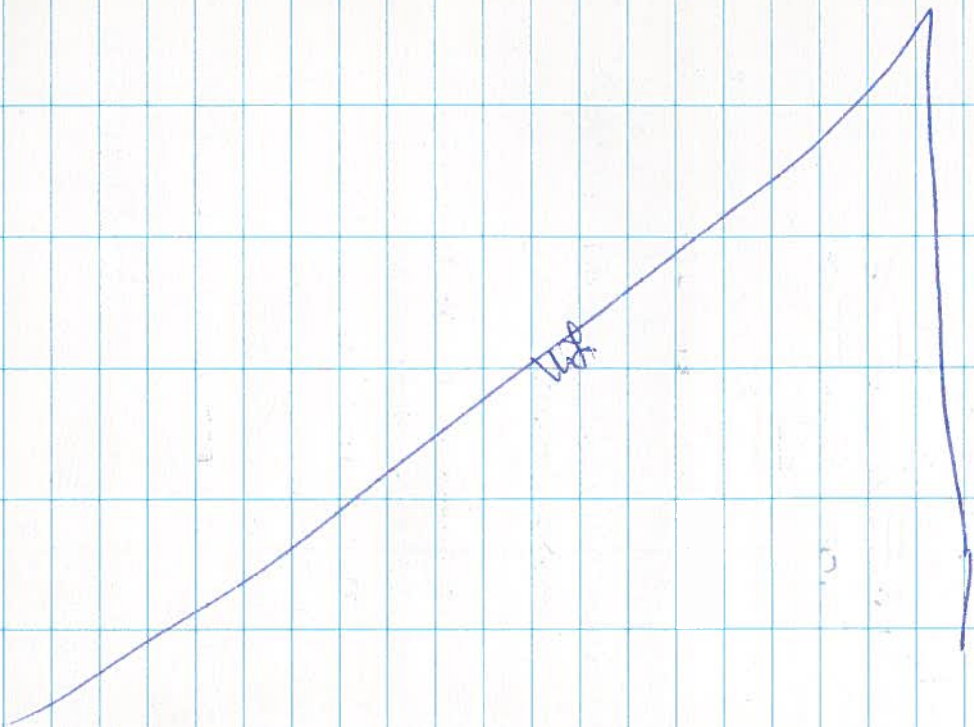


**Pit #4** + **Pit #5** - filled w/ debris inaccessible. dug to depth of ~ 2.5' bgs.

Floor drains in former low-rise and bldg. S slab visible.

- FD-2 possible restroom?
- FD-3 sewer cleanout?
- FD-4 6"  $\phi$  C.I.
- FD-5 6"  $\phi$  C.I. \* GPP signature nearby indicates N/S piping
- FD-6 3"  $\phi$  C.I.
- FD-7 6"  $\phi$

Fmr. Bldg. 1-A / Whitney St. side  
 4" V.P. (sewer or water?)  
 - possibly leads to tunnel



09:15 - h. Neubauer onsite  
 JAWED KARL SCHLITKE to onsite  
 Same Forbes, CCR, onsite.

09:30 - Set up at MH-3 next to  
 fmr. low-rise bldg.

Using crawler cam

MH-3 North, vitrified clay pipe 12"

-inlet @ 1' 7"

-inlet from ~~west~~ NW @ 3' 5"

10:00 - switching to larger tires on

Crawler cam.

-inlet above @ 22' - storm drain

-inlet from NE @ 44.5

Small amt sediment in bottom

-inlet above @ 73' 5"

-inlet above @ 106'

-inlet above @ 110' 4"

-inlet from west @ 150' 7"

small cracks @ connection

-inlet from above (capped) at 153' 8"

Manhole @ 196' 3"

MH-9

Sewer assessment

10:30 - MH-3 East. 18" clay pipe. Good condition; mainly empty

MH-7 @ ~ 60' - brick

- inlet from N

- small inlet from south - dry

roots @ 1103'7"

old sewer main @ 198.5' runs N/S

11:00 - switch to small wheels for

MH-3 W1 8" cast iron pipe

Sediment on sides of pipe

- elbows @ 14' turns north

2nd elbows turns west

11:10 - MH-3 W2 6" ~~cast iron~~ <sup>clay</sup> pipe

Sediment on bottom ~ 1/3 full

crawler cam stuck 1' in.

Appears to turn right @ 12-15'

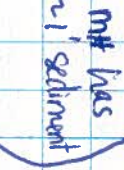
11:30 - move to MH-1 on west side of site.

MH-1

8" clay?

push cam

NW 6' 3/4 full



SE 6' - 1/2 full of dirt

MH-1 S bends left

joint @ 21' lens covered w/dirt.

Stopped at 34'

2nd attempt to 50'. Pipe is

~ 1/3 full entire length.

12:00 - MH-1 N is 3/4 full of sediment.

Blocked at 5' with sediment.

MH-1 W

- capped at 3'

12:30 -

Whitney tunnel views  $\odot$  From hole

in slab. Rusty pipes + concrete wall

visible. ~ 10' visibility. Concrete

rubble on floor. Pipes are bare.



## Tunnel evaluation

## Tunnel 1 (A)

- possible mudded fitting - deteriorated  
~ 1 LF visible

insert crawler cam facing north  
old pipes visible. Mostly bare  
pipes. Tunnel bends to right  
in distance to north.

To south: concrete + rubble on floor.  
Tunnel filled in to south.

## Tunnel 1 (B)

~ 3" pipe wrapped (deteriorated),  
~ 1" pipe wrapped (partially)  
~~~ 3" pipe~~ other pipes are bare.  
No water.

## Tunnel 1 (C)

brick + debris on floor.  
Bare steel piping, facing south  
cable on floor. No water.

## Tunnel 1 (D) at north end.

conduit, bare piping - broken,  
+ beams + rubble on floor. Sprinkler  
lines. Steel box (electrical?)

## Tunnel eval.

Label on box says "water"  
← water →

13:50 - SD-5

one outlet to south only.  
clay pipe. Elbows down  
- lateral @ 2'. capped to west  
lateral runs E/W.

14:00 - MH-5 unable to get sea snake  
or crawler cam in due to sediment.

14:30 - Set-up at MH-6

MH-6 S debris blocking @ 13'  
~ 3" cast iron pipe

MH-6 W

elbows down @ 5'. # water +  
sediment @ 7'. Stopped @ 13'  
due to thick mud in bottom.

## Tunnel 2 (A)

set-up at tunnel 2 access,  
north of main E/W tunnel, north  
of tank pit. Looks like a  
basement to the west.

Tunnel Evaluation.

Bare steel pipes. Waster in bottom. C.B. walls. Metal + debris in bottom.

Some deteriorated pipe wrap. E. Lots of brick + debris, steel beams

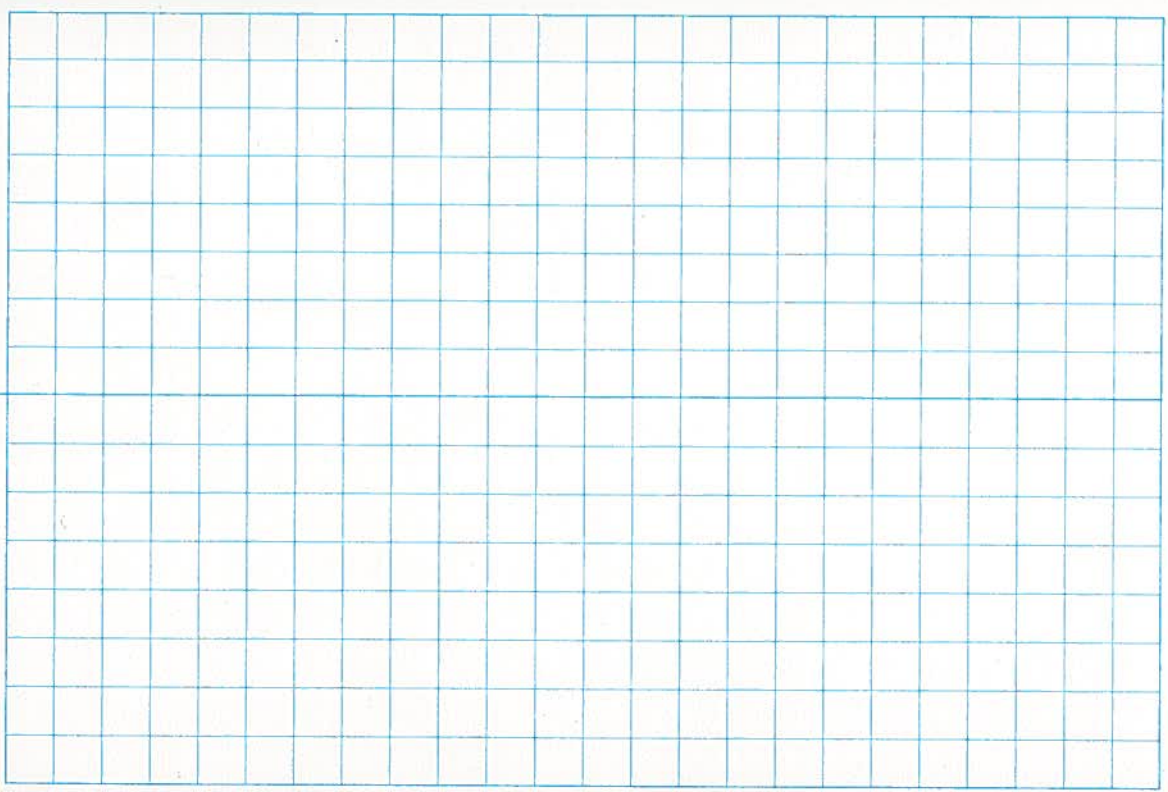
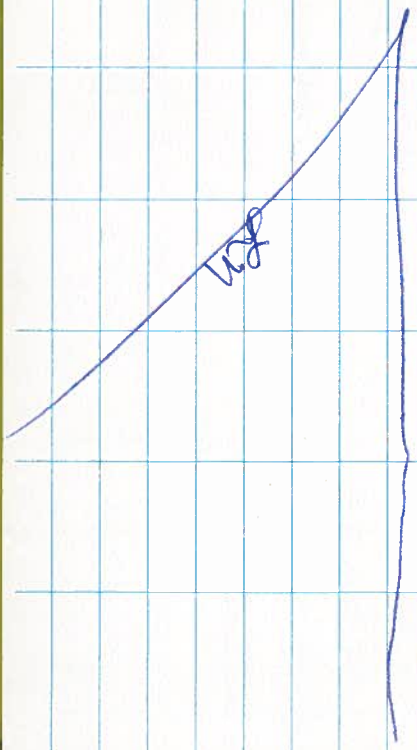
Tunnel 2 (B)

West of chimney, south edge of tunnel.

- bare steel pipes, electrical conduit rubble on floor. Tunnel to north.

15:30 - Janko picks up. Finished for the day.

15:50 - off-site.



## Appendix J – Community Air Monitoring Data

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[Digital Copy Only]

## Lu Engineers Site Perimeter Air Monitoring Log – Particulates

Site: Orchard/Whitney ERP  
 Date: 4/16/2008  
 Location: Upwind / Downwind Wind: SW  
 Background: 0.006 / 0.012 → V: West Lot / D: NE Corner  
 Instrument Used: Dusttrak  
 Calibrated: Yes

| Time    | Dust Concentration (mg/m <sup>3</sup> ) | Dust observed off-site (Y/N) | PID (ppm) | Notes                                    |
|---------|-----------------------------------------|------------------------------|-----------|------------------------------------------|
| 9:15a   | U 0.012 / D 0.016                       | N                            | 0.0/0.0   |                                          |
| 9:30a   | U 0.014 / D 0.065                       | N                            | "         |                                          |
| 9:45    | U 0.009 / D 0.021                       | N                            | "         |                                          |
| 10:00   | U 0.008 / D 0.017                       | N                            | "         |                                          |
| 10:15   | U 0.010 / D 0.012                       | N                            | "         |                                          |
| 10:30   | U 0.007 / D 0.013                       | N                            | "         |                                          |
| 10:45   | U 0.034 / D 0.021                       | N                            | "         | bobcat work in area near upwind station. |
| 11:00   | U 0.001 / D 0.009                       | N                            | "         |                                          |
| 11:15   | 0.013 / 0.014                           | N                            | "         |                                          |
| 11:30   | 0.019 / 0.017                           | N                            | "         |                                          |
| 11:45   | 0.013 / 0.017                           | N                            | "         |                                          |
| No Work | 0.008 / 0.012                           | N                            | "         | Lunch from 11:45 - 12:30                 |
| 12:30   | 0.006 / 0.013                           | N                            | "         | Titan coming back to work                |
| 12:45   | 0.006 / 0.013                           | N                            | "         |                                          |
| 1:00    | 0.017 / 0.013                           | N                            | "         |                                          |
| 1:15    | 0.008 / 0.023                           | N                            | "         |                                          |
| 1:30    | 0.008 / 0.013                           | N                            | "         |                                          |
| 1:45    | 0.002 / 0.019                           | N                            | "         |                                          |
| 2:00    | 0.016 / 0.016                           | N                            | "         |                                          |
| 2:15    | 0.007 / 0.030                           | N                            | "         |                                          |
| 2:30    | 0.006 / 0.030                           | N                            | "         |                                          |
| 2:45    | 0.017 / 0.012                           | N                            | "         |                                          |

3:00 0.029 / 0.031 N " Dropped small stick near S of bldg (↑ dust)

3:15 0.021 / 0.024 N " "

3:30 0.001 / 0.029 N " "

3:45 0.031 / 0.064 N " large portion of roof came down - ↑ dust for short

3:51 ← 4:00 0.021 / 0.015 N " "

### Site Perimeter Air Monitoring Log – Particulates

Site: Orchard / Whitney ERP  
 Date: 4/17/2008 Wind: West  
 Location: Upwind / Downwind U: West Lot / D: NE Corner  
 Background: U 0.024 D 0.101  
 Instrument Used: \_\_\_\_\_  
 Calibrated: \_\_\_\_\_

| Time | Concentration (mg/m <sup>3</sup> ) | VOC | Dust observed off-site (Y/N)                  |
|------|------------------------------------|-----|-----------------------------------------------|
| 8 AM | U 0.016 D 0.045                    | No  | No                                            |
|      | 0.012 / 0.076                      | "   | "                                             |
|      | 0.012 / 0.042                      | "   | "                                             |
|      | 0.015 / 0.024                      | "   | "                                             |
| 9    | 0.024 / 0.034                      | "   | "                                             |
|      | 0.013 / 0.024                      | "   | "                                             |
|      | 0.027 / 0.033                      | "   | "                                             |
|      | 0.014 / 0.058                      | "   | "                                             |
| 10   | 0.014 / 0.064                      | "   | "                                             |
|      | 0.015 / 0.107                      | "   | Loading Truck w/ debris in vicinity of equip. |
|      | 0.013 / 0.065                      | "   | "                                             |
| 11   |                                    |     |                                               |
|      | 0.024 / 0.180                      | "   | "                                             |
|      | 0.024 / 0.075                      | "   | "                                             |
|      | <del>0.053</del>                   | "   | "                                             |
| 12   | 0.053 / 0.042                      | "   | "                                             |
|      |                                    |     |                                               |
|      |                                    |     |                                               |
|      |                                    |     |                                               |
|      |                                    |     |                                               |
|      |                                    |     |                                               |
|      |                                    |     |                                               |

### Site Perimeter Air Monitoring Log – Particulates

Site: Orchard/Whitney ELP  
 Date: 4/17/2008  
 Location: Upwind / Downwind  
 Background: \_\_\_\_\_  
 Instrument Used: \_\_\_\_\_  
 Calibrated: \_\_\_\_\_

| Time | Concentration (mg/m <sup>3</sup> ) | Dust observed off-site (Y/N) |
|------|------------------------------------|------------------------------|
| 1:00 | 0.048/0.053                        | No                           |
| 1:15 | 0.030/0.028                        | "                            |
| 1:30 |                                    | "                            |
| 1:45 | 0.030/0.031                        | "                            |
| 2:00 | 0.026/0.046                        | "                            |
|      | 0.033/0.051                        | "                            |
|      | 0.041/0.039                        | "                            |
|      | 0.027/0.024                        | "                            |
| 3:00 | 0.025/0.031                        | "                            |
|      | 0.058/0.085                        | "                            |
|      | 0.038/0.092                        | "                            |
|      | 0.041/0.057                        | "                            |
| 4:00 | 0.073/0.025                        | "                            |
|      |                                    |                              |
|      |                                    |                              |
|      |                                    |                              |
|      |                                    |                              |
|      |                                    |                              |
|      |                                    |                              |
|      |                                    |                              |
|      |                                    |                              |
|      |                                    |                              |
|      |                                    |                              |
|      |                                    |                              |
|      |                                    |                              |
|      |                                    |                              |
|      |                                    |                              |

VOC  
NO  
↓

Orchard/Whitney

4/18/2008

Background 0.058/0.099 (@7:45am)

LOCATION:

U: West Lot

D: NE corner

(Wind change @ 1:30p: Upwind now Downwind & vice versa)

Sheet # 1 of 1

Wind: SW  
change @ 1:30: NE

### Site Perimeter Air Monitoring Log - Particulates

VOC

| Time               | Concentration (mg/m <sup>3</sup> ) | Dust observed off-site (Y/N)                                         |
|--------------------|------------------------------------|----------------------------------------------------------------------|
| 8:00               | U 0.055 / D 0.111                  | 0%<br>N                                                              |
| 8:15               | 0.047 / 0.087                      | "                                                                    |
|                    | 0.056 / 0.093                      | "                                                                    |
| 9:00               | 0.046 / 0.060                      | "                                                                    |
|                    | 0.062 / 0.063                      | "                                                                    |
|                    | 0.043 / 0.058                      | "                                                                    |
| 10:00              | 0.040 / 0.081                      | "                                                                    |
|                    | 0.048 / 0.056                      | "                                                                    |
|                    | 0.048 / 0.079                      | "                                                                    |
|                    | 0.057 / 0.101                      | "                                                                    |
| 11                 | 0.047 / 0.158                      | " (N) Large section of 2 <sup>nd</sup> floor had just fallen         |
|                    | 0.052 / 0.122                      | "                                                                    |
|                    | 0.059 / 0.088                      | "                                                                    |
| 12                 | 0.056 / 0.076                      | "                                                                    |
|                    | 0.039 / 0.051                      | "                                                                    |
|                    | Lunch                              | "                                                                    |
|                    | Lunch                              | "                                                                    |
| 12:45              | Lunch (background)                 | "                                                                    |
|                    | Lunch (0.038 / 0.033)              | "                                                                    |
| 1                  | 0.024 / 0.382                      | No (Large sections of wall dropped) and meet vicinity of unit equip. |
|                    | 0.033 / 0.054                      | No                                                                   |
|                    | 0.031 / 0.054                      | "                                                                    |
|                    | 0.041 / 0.080                      | "                                                                    |
| 2                  | 0.050 / 0.111                      | Truck in direct vicinity of monit. equip.                            |
|                    | 0.049 / 0.066                      | No                                                                   |
|                    | 0.051 / 0.051                      | "                                                                    |
| 3                  | 0.054 / 0.101                      | "                                                                    |
|                    | 0.075 / 0.051                      | "                                                                    |
| Done For Day Early |                                    |                                                                      |

Orchard/Whitney Ekt

4/21/08

Back: 0.031/0.081

Wind: ESE

Location:

U: NE Corner

D: West Lot.

Sheet # 1 of 1

### Work Zone Perimeter Air Monitoring Log - Particulates

VOC

| Time                 | Concentration (mg/m <sup>3</sup> ) | Dust observed off-site (Y/N) |    |
|----------------------|------------------------------------|------------------------------|----|
| 8 <sup>00</sup>      | U 0.031 / D 0.081                  | No                           | No |
|                      | U 0.031 / 0.081                    | "                            | "  |
|                      | 0.028 / 0.051                      | "                            | "  |
|                      | 0.028 / 0.047                      | "                            | "  |
| 9 <sup>00</sup>      | 0.039 / 0.115                      | "                            | "  |
|                      | 0.028 / 0.061                      | "                            | "  |
|                      | 0.019 / 0.065                      | "                            | "  |
|                      | 0.024 / 0.065                      | "                            | "  |
| 10 <sup>00</sup>     | 0.022 / 0.072                      | "                            | "  |
|                      | 0.023 / 0.023                      | "                            | "  |
|                      | 0.025 / 0.051                      | "                            | "  |
|                      | 0.022 / 0.059                      | "                            | "  |
| 11 <sup>00</sup>     | 0.026 / 0.118                      | "                            | "  |
|                      | 0.027 / 0.028                      | "                            | "  |
|                      | 0.021 / 0.070                      | "                            | "  |
|                      | 0.028 / 0.061                      | "                            | "  |
| 12 <sup>00</sup>     | 0.0027 / 0.0026                    | "                            | "  |
|                      | Lunch                              |                              |    |
|                      | ↓                                  | ↓                            | ↓  |
| 1 <sup>00</sup>      | 0.033 / 0.072                      | "                            | "  |
|                      | 0.033 / 0.032                      | "                            | "  |
|                      | 0.028 / 0.039                      | "                            | "  |
|                      | 0.030 / 0.066                      | "                            | "  |
| 2 <sup>00</sup>      | 0.042 / 0.100                      | "                            | "  |
|                      | 0.030 / 0.042                      | "                            | "  |
|                      | 0.033 / 0.031                      | "                            | "  |
|                      | 0.029 / 0.064                      | "                            | "  |
| 3 <sup>00</sup>      | 0.043 / 0.056                      | "                            | "  |
|                      | 0.027 / 0.040                      | "                            | "  |
|                      | 0.029 / 0.077                      | "                            | "  |
| Done Working/Cleanup |                                    |                              |    |



Back: 0.046/0.061

Wind: W

### Site Perimeter Air Monitoring Log - Particulates

Locations:  
U: West Lot  
D: NE Corner  
Wind Change (12:45)  
New Locations  
U: NE Corner  
D: South Center Lot

VOC

| Time | Concentration (mg/m <sup>3</sup> )             | Dust observed off-site (Y/N) |    |
|------|------------------------------------------------|------------------------------|----|
| 8:00 | 0.046/0.061                                    | 0.0/0.0                      | No |
|      | 0.083/0.041                                    | "                            | "  |
|      | 0.038/0.061                                    | "                            | "  |
|      | 0.035/0.052                                    | "                            | "  |
| 9    | 0.027/0.061                                    | "                            | "  |
|      | 0.027/0.041                                    | "                            | "  |
|      | 0.026/0.061                                    | "                            | "  |
|      | 0.026/0.040                                    | "                            | "  |
| 10   | 0.030/0.088                                    | "                            | No |
|      | 0.029/0.061                                    | "                            | "  |
|      | 0.028/0.029                                    | "                            | "  |
|      | 0.030/0.053                                    | "                            | "  |
| 11   | 0.019/0.029                                    | "                            | "  |
|      | 0.035/0.071                                    | "                            | "  |
|      | 0.030/0.071                                    | "                            | "  |
|      | 0.020/0.029                                    | "                            | "  |
| 12   | Lunch                                          | ↓                            | ↓  |
|      | ↓                                              | ↓                            | ↓  |
|      | 0.021/0.071                                    | "                            | "  |
| 1    | 0.028/0.101                                    | "                            | "  |
|      | 0.028/0.081                                    | "                            | "  |
|      | 0.028/0.141                                    | "                            | "  |
|      | 0.031/0.095                                    | "                            | "  |
| 2    | 0.026/0.062                                    | "                            | "  |
|      | 0.036/0.068                                    | ↓                            | ↓  |
|      | (Prepping for tower demo - no work being done) | ↓                            | ↓  |
| 3    | 0.028/0.091                                    | "                            | "  |
|      | 0.035/0.096                                    | "                            | "  |
|      | 0.023/0.075                                    | "                            | "  |
|      | 0.027/0.063                                    | ↓                            | "  |

Lg section of roof came down between 9:20/9:45 readings elevated but der cald before 9:45 No dust offsi

Wind changed from W to NE @ appx. 12:45P (see new locations above)

4/23/08

Background:

U: 0.031

D: 0.043

Wind: SW

### Site Perimeter Air Monitoring Log – Particulates

Locations:

U: W Center Lot

D: NE Corner

| Time   | Concentration (mg/m <sup>3</sup> ) | VOC  |                              |
|--------|------------------------------------|------|------------------------------|
|        |                                    | %    | Dust observed off-site (Y/N) |
| 8:00 A | U: 0.031 / D: 0.043                | 0.00 | N                            |
|        | U: 0.031 / 0.093                   | ↓    | "                            |
|        | 0.042 / 0.051                      | ↓    | "                            |
| 9      | 0.027 / 0.086                      | ↓    | "                            |
|        | 0.026 / 0.070                      | "    | "                            |
|        | 0.026 / 0.135                      | "    | "                            |
|        | 0.024 / 0.039                      | "    | "                            |
|        | 0.027 / 0.071                      | "    | "                            |
| 10     | 0.023 / 0.045                      | "    | "                            |
|        | 0.028 / 0.078                      | "    | "                            |
|        | 0.023 / 0.037                      | "    | "                            |
|        | 0.026 / 0.054                      | "    | "                            |
|        | 0.027 / 0.036                      | "    | "                            |
| 11     | 0.030 / 0.056                      | "    | "                            |
|        | 0.029 / 0.092                      | "    | "                            |
|        | 0.027 / 0.041                      | "    | "                            |
|        | 0.026 / 0.043                      | "    | "                            |
|        | 0.026 / 0.041                      | "    | "                            |
| 12     | 0.029 / 0.037                      | "    | "                            |
|        | 0.031 / 0.041                      | "    | "                            |
|        | 0.026 / 0.043                      | "    | "                            |
|        | 0.024 / 0.028                      | "    | "                            |
| 1      | 0.029 / 0.025                      | "    | "                            |
|        | 0.026 / 0.103                      | "    | "                            |
|        | 0.027 / 0.098                      | "    | "                            |
|        | 0.023 / 0.044                      | "    | "                            |
|        | 0.024 / 0.037                      | "    | "                            |
| 2      | 0.024 / 0.045                      | "    | "                            |
|        | 0.021 / 0.044                      | "    | "                            |
|        | 0.027 / 0.041                      | "    | "                            |
|        | 0.024 / 0.045                      | "    | "                            |
|        | 0.036 / 0.35                       | "    | "                            |

4/24/2008

Backgrounds

0.010  
0.013

Wind: NE ~10 mph

Site Perimeter Air Monitoring Log - Particulates

Location:

U NE Corner

D: SW Corner

@ 10:30a moved  
Downwind to  
West Centerlot  
due to prevailing  
easterly wind

| Time             | Concentration (mg/m <sup>3</sup> )                          | Dust observed off-site (Y/N) |    |
|------------------|-------------------------------------------------------------|------------------------------|----|
| 8 <sup>00</sup>  | 0.023 / 0.057                                               | 0% <sub>0.0</sub>            | No |
|                  | 0.016 / 0.033                                               | u                            | u  |
|                  | 0.011 / 0.018                                               | u                            | u  |
|                  | 0.005 / 0.027                                               | u                            | u  |
| 9                | 0.003 / 0.031                                               | u                            | u  |
|                  | 0.013 / 0.013                                               | u                            | u  |
|                  | 0.009 / 0.036                                               | u                            | u  |
|                  | 0.008 / 0.111                                               | u                            | u  |
| 10               | 0.009 / 0.013                                               | u                            | u  |
|                  | 0.009 / 0.021                                               | u                            | u  |
| 10 <sup>30</sup> | 0.008 / 0.009                                               | u                            | u  |
|                  | 0.007 / 0.016                                               | u                            | u  |
| 11               | 0.012 / 0.017                                               | u                            | u  |
|                  | 0.008 / 0.013                                               | u                            | u  |
|                  | 0.006 / 0.016                                               | u                            | u  |
|                  | 0.021 / 0.024                                               | u                            | u  |
| 12               | 0.008 / 0.016                                               | u                            | u  |
|                  | 0.007 / 0.021                                               | u                            | u  |
|                  | 0.008 / 0.101                                               | u                            | u  |
|                  | 0.013 / 0.011                                               | u                            | u  |
| 1                | Break: Backgrounds: <sup>u- 0.009</sup> <sub>0- 0.024</sub> | u                            | u  |
|                  | 0.011 / 0.023                                               | u                            | u  |
|                  | 0.011 / Work stopped                                        |                              |    |
| 2                | 0.008 /                                                     |                              |    |
|                  | 0.007 /                                                     |                              |    |
|                  | 0.008 /                                                     |                              |    |
| 3                |                                                             |                              |    |

0.028/0.038

Wind: SE 0-5 (variable)

Wind switching:  
often South  
or from East

Site Perimeter Air Monitoring Log - Particulates

Location  
U: N Center  
D: NW Corner (Fence)

| Time             | Concentration (mg/m <sup>3</sup> ) | Dust observed off-site (Y/N) |    |
|------------------|------------------------------------|------------------------------|----|
| 8 <sup>00</sup>  | 0.028 / 0.038                      | 00/0.0                       | N0 |
|                  | 0.041 / 0.048                      | "                            | "  |
|                  | 0.037 / 0.043                      | "                            | "  |
|                  | 0.024 / 0.048                      | "                            | "  |
| 9 <sup>00</sup>  | 0.019 / 0.048                      | "                            | "  |
|                  | 0.015 / 0.018                      | "                            | "  |
|                  | 0.013 / 0.017                      | "                            | "  |
|                  | 0.015 / 0.020                      | "                            | "  |
| 10 <sup>00</sup> | 0.017 / 0.023                      | "                            | "  |
|                  | 0.019 / 0.027                      | "                            | "  |
|                  | 0.019 / 0.048                      | "                            | "  |
|                  | 0.014 / 0.034                      | "                            | "  |
| 11 <sup>00</sup> | 0.011 / 0.013                      | "                            | "  |
|                  | 0.011 / 0.014                      | "                            | "  |
|                  | 0.014 / 0.052                      | "                            | "  |
|                  | 0.013 / 0.035                      | "                            | "  |
| 12 <sup>00</sup> | 0.016 / 0.048                      | "                            | "  |
|                  | 0.023 / 0.056                      | "                            | "  |
|                  | Lunch                              |                              |    |
|                  | ↓                                  | ↓                            | ↓  |
| 1 <sup>00</sup>  |                                    |                              |    |
|                  | 0.028 / 0.080                      | "                            | "  |
|                  | 0.027 / 0.033                      | "                            | "  |
|                  | 0.020 / 0.045                      | "                            | "  |
| 2 <sup>00</sup>  | 0.019 / 0.028                      | "                            | "  |
|                  | 0.027 / 0.054                      |                              |    |
|                  | 0.016 / 0.038                      |                              |    |
| 3 <sup>00</sup>  | Picking up for day                 |                              |    |
|                  | ↓                                  |                              |    |

7/28/00

Orchard/Whitney ERP

0.028/0.034

Wind WSW 0-5

### Site Perimeter Air Monitoring Log - Particulates

Location:

U: NW Corner

D: NE Corner

| Time  | Concentration (mg/m <sup>3</sup> ) | Dust observed off-site (Y/N) |    |
|-------|------------------------------------|------------------------------|----|
| 8:00  | 0.028/0.034                        | 0.0                          | No |
|       | 0.031/0.034                        | "                            |    |
|       | 0.032/0.032                        | "                            |    |
|       | 0.036/0.046                        | "                            |    |
| 9:00  | 0.034/0.054                        | "                            |    |
|       | 0.031/0.038                        | "                            |    |
|       | 0.036/0.049                        | "                            |    |
|       | 0.027/0.033                        | "                            |    |
| 10:00 | 0.023/0.035                        | "                            | ↓  |
|       | 0.010/0.018                        |                              | ↓  |
|       | 0.012/0.022                        |                              | ↓  |
|       | 0.006/0.017                        |                              | ↓  |
| 11:00 | 0.006/0.016                        |                              | ↓  |
|       | 0.008/0.012                        |                              | ↓  |
|       | 0.006/0.011                        | ↓                            | ↓  |
|       | 0.008/0.037                        | "                            | "  |
| 12:00 | 0.007/0.040                        | "                            | "  |
|       | 0.010/0.013                        | "                            | "  |
|       | 0.010/0.027                        |                              | ↓  |
|       | 0.006/0.021                        |                              | ↓  |
| 1:00  | 0.008/0.023                        |                              | ↓  |
|       | 0.027/0.028                        | ↓                            | ↓  |
|       | 0.021/0.048                        |                              | ↓  |
|       | 0.026/0.035                        |                              | ↓  |
| 2:00  | 0.021/0.051                        |                              | ↓  |
|       | 0.026/0.026                        |                              | ↓  |
|       | 0.027/0.029                        |                              | ↓  |
|       | 0.031/0.085                        |                              | ↓  |
| 3:00  | 0.030/0.092                        |                              | ↓  |
|       | 0.020/0.065                        |                              | ↓  |
|       | 0.019/0.056                        | ↓                            | ↓  |
|       | 0.025/0.035                        |                              |    |

stopped work for 15 min.

4/29/08 Wind W 5-10

0.008/0.013

Location U - (unit broken) no upwind **Site Perimeter Air Monitoring Log - Particulates**

D - NE corner  
 (First 4 readings were SE corner of Site (Richard St) but wind changed from N to W)

| Time             | Concentration (mg/m <sup>3</sup> ) | Dust observed off-site (Y/N) |    |
|------------------|------------------------------------|------------------------------|----|
| 8 <sup>00</sup>  | None / 0.016                       | 0.0/0.0                      | No |
|                  | 0.013                              |                              |    |
|                  | 0.012                              |                              |    |
|                  | 0.016                              |                              |    |
| 9 <sup>00</sup>  | 0.048                              |                              |    |
|                  | 0.037                              |                              |    |
|                  | 0.012                              |                              |    |
|                  | 0.011                              |                              |    |
| 10 <sup>00</sup> | 0.009                              |                              |    |
|                  | 0.016                              |                              |    |
|                  | 0.017                              | ↓                            | ↓  |
|                  | 0.006                              | ↓                            | ↓  |
| 11 <sup>00</sup> | 0.030                              | ↓                            | ↓  |
|                  | 0.061                              | ↓                            | ↓  |
|                  | 0.044                              | ↓                            | ↓  |
|                  | 0.035                              | "                            | "  |
| 12 <sup>00</sup> | 0.019                              | "                            | "  |
|                  | 0.011                              | "                            | "  |
|                  | 0.007                              | "                            | "  |
|                  | 0.009                              | "                            | "  |
| 1 <sup>00</sup>  | 0.009                              | "                            | "  |
|                  | 0.007                              | "                            | "  |
|                  | 0.008                              | "                            | "  |
|                  | 0.007                              | "                            | "  |
| 2 <sup>00</sup>  | 0.021                              | "                            | "  |
|                  | 0.086                              | "                            | "  |
|                  | 0.051                              | "                            | "  |
|                  | 0.062                              | "                            | "  |
| 3 <sup>00</sup>  | 0.082                              | "                            | "  |
|                  | 0.028                              | "                            | "  |

Wind picked up significantly & dust readings increased but still were below threshold levels.

Done Working Picking Up

4/30/08

Backgrounds  
U: 0.007

D: 0.023

Locations  
U: N Center Lot  
D: NE Corner

### Work Zone Perimeter Air Monitoring Log – Particulates

| Time | Concentration (mg/m <sup>3</sup> ) | Dust observed off-site (Y/N) |    |
|------|------------------------------------|------------------------------|----|
| 8:00 | <del>0.017 / 0.050</del>           | 0.0 / 0.0                    | No |
|      | 0.017 / 0.050                      | ↓                            | ↓  |
|      | 0.023 / 0.055                      | ↓                            | ↓  |
|      | 0.017 / 0.078                      | ↓                            | ↓  |
| 9    | 0.019 / 0.064                      | ↓                            | ↓  |
|      | 0.017 / 0.023                      | ↓                            | ↓  |
|      | 0.015 / 0.025                      | ↓                            | ↓  |
|      | 0.014 / 0.043                      | ↓                            | ↓  |
| 10   | 0.016 / 0.021                      | ↓                            | ↓  |
|      | 0.009 / 0.026                      | ↓                            | ↓  |
|      | 0.011 / 0.034                      | ↓                            | ↓  |
|      | 0.010 / 0.028                      | ↓                            | ↓  |
| 11   | 0.011 / 0.094                      | "                            | "  |
|      | 0.020 / 0.020                      | "                            | "  |
|      | 0.015 / 0.020                      | "                            | "  |
|      | 0.009 / 0.032                      | "                            | "  |
| 12   | 0.011 / 0.082                      | ↓                            | ↓  |
|      | Lunch                              | ↓                            | ↓  |
|      | 0.010 / 0.051                      | ↓                            | ↓  |
|      | 0.013 / 0.046                      | ↓                            | ↓  |
| 1    | 0.013 / 0.068                      | "                            | "  |
|      | 0.009 / 0.078                      | "                            | "  |
|      | 0.007 / 0.059                      | ↓                            | ↓  |
|      | 0.007 / 0.081                      | ↓                            | ↓  |
| 2    | 0.021 / 0.069                      | ↓                            | ↓  |
|      | 0.034 / 0.061                      | ↓                            | ↓  |
|      | 0.021 / 0.075                      | ↓                            | ↓  |
|      | 0.031 / 0.080                      | ↓                            | ↓  |
| 3    | 0.045 / 0.043                      | ↓                            | ↓  |
|      | 0.024 / 0.061                      | "                            | "  |
|      | 0.012 / 0.029                      | ↓                            | ↓  |
|      | 0.016 / 0.023                      | ↓                            | ↓  |
|      | 0.018 / 0.016                      | ↓                            | ↓  |
|      | 0.017 / 0.021                      | ↓                            | ↓  |
|      | 0.021 / 0.013                      | ↓                            | ↓  |

2/11/08  
Backgrounds  
0.023/0.039

Wind West 0-5  
changed to

Location:  
D. NE corner  
U: N Center Lot.

East 6-10 @ 11:30 AM  
Site Perimeter Air Monitoring Log - Particulates

| Time            | Concentration (mg/m <sup>3</sup> ) | Dust observed off-site (Y/N) |    |
|-----------------|------------------------------------|------------------------------|----|
| 8 <sup>00</sup> | 0.039 / 0.063                      | 0.0                          | No |
|                 | 0.035 / 0.049                      | ↓                            | ↓  |
|                 | 0.026 / 0.047                      | ↓                            | ↓  |
|                 | 0.039 / 0.075                      | ↓                            | ↓  |
| 9               | 0.032 / 0.078                      | ↓                            | ↓  |
|                 | 0.023 / 0.091                      | "                            | "  |
|                 | 0.007 / 0.039                      | ↓                            | ↓  |
|                 | 0.021 / 0.072                      | ↓                            | ↓  |
| 10              | 0.023 / 0.049                      | "                            | "  |
|                 | 0.029 / 0.075                      | "                            | "  |
|                 | 0.023 / 0.027                      | "                            | "  |
|                 | 0.018 / 0.054                      | ↓                            | ↓  |
| 11              | 0.013 / 0.061                      | ↓                            | ↓  |
|                 | 0.021 / 0.045                      | ↓                            | ↓  |
|                 | 0.019 / 0.062                      | ↓                            | ↓  |
|                 | 0.017 / 0.043                      | ↓                            | ↓  |
| 12              | 0.029 / 0.041                      | ↓                            | ↓  |
|                 | 0.017 / 0.028                      | ↓                            | ↓  |
|                 | Lunch                              | ↓                            | ↓  |
|                 | Lunch                              | ↓                            | ↓  |
| 1               | 0.039 / 0.042                      | ↓                            | ↓  |
|                 | 0.019 / 0.023                      | ↓                            | ↓  |
|                 | 0.021 / 0.034                      | "                            | "  |
|                 | 0.020 / 0.024                      | "                            | "  |
| 2               | 0.024 / 0.039                      | ↓                            | ↓  |
|                 | 0.026 / 0.044                      | ↓                            | ↓  |
|                 | 0.035 / 0.037                      | ↓                            | ↓  |
|                 | 0.026 / 0.049                      | ↓                            | ↓  |
| 3               | 0.021 / 0.023                      | ↓                            | ↓  |
|                 | 0.024 / 0.076                      | ↓                            | ↓  |
|                 | 0.026 / 0.034                      | "                            | "  |
|                 | 0.021 / 0.045                      | "                            | "  |

wind changed  
↓  
now upwind is  
downwind &  
Vice versa

Done



5/2/2008 Wind: E 5

Backgrounds:

U 0.093

D 0.097

Locations:

U NE corner

D N center lot

### Work Zone Perimeter Air Monitoring Log – Particulates

VOC

| Time | Concentration (mg/m <sup>3</sup> ) | Dust observed off-site (Y/N) |    |
|------|------------------------------------|------------------------------|----|
| 8:00 | 0.110 / 0.113                      | 0.0 / 0.0                    | No |
|      | 0.109 / 0.110                      | "                            | "  |
|      | 0.098 / 0.101                      | "                            | "  |
|      | 0.100 / 0.097                      | "                            | "  |
| 9    | 0.094 / 0.101                      | "                            | "  |
|      | 0.095 / 0.090                      | "                            | "  |
|      | 0.093 / 0.110                      | "                            | "  |
|      | 0.088 / 0.091                      | "                            | "  |
| 10   | 0.092 / 0.093                      | "                            | "  |
|      | 0.089 / 0.091                      | "                            | "  |
|      | 0.089 / 0.093                      | "                            | "  |
|      | 0.083 / 0.087                      | "                            | "  |
| 11   | 0.083 / 0.101                      | "                            | "  |
|      | 0.079 / 0.095                      | "                            | "  |
|      | 0.079 / 0.083                      | "                            | "  |
|      | 0.073 / 0.079                      | "                            | "  |
| 12   | Lunch                              |                              |    |
|      | Lunch                              |                              |    |
|      | 0.098 / 0.113                      | ↓                            | ↓  |
|      | 0.074 / 0.093                      | ↓                            | ↓  |
| 1    | 0.073 / 0.076                      | ↓                            | ↓  |
|      | 0.069 / 0.077                      | ↓                            | ↓  |
|      | 0.074 / 0.083                      | ↓                            | ↓  |
|      | 0.075 / 0.075                      | ↓                            | ↓  |
| 2    |                                    |                              |    |
|      |                                    |                              |    |
|      |                                    |                              |    |
|      |                                    |                              |    |
| 3    |                                    |                              |    |
|      |                                    |                              |    |
|      |                                    |                              |    |

Note:  
 Backgrounds were unusually high today despite the fact that it had rained last night & wet down site. But downwind concentrations were close to the upwind concentrations.  
 Concentrations (Both Up & Dn) decreased slightly as it got later in the day.

5/5/2008 Wind SW 5

Backgrounds

U: 0.018  
D: 0.022

### Site Perimeter Air Monitoring Log - Particulates

Locations  
U: N Center Lot  
D: NE Corner.

| Time            | Concentration (mg/m <sup>3</sup> ) | Dust observed off-site (Y/N) |    |
|-----------------|------------------------------------|------------------------------|----|
|                 |                                    | U                            | D  |
| 8 <sup>00</sup> | 0.019 / 0.024                      | 0.0                          | No |
|                 | 0.021 / 0.038                      | ↓                            | ↓  |
|                 | 0.031 / 0.045                      | ↓                            | ↓  |
|                 | 0.018 / 0.105                      | ↓                            | ↓  |
| 9 <sup>00</sup> | 0.022 / 0.047                      | ↓                            | ↓  |
|                 | 0.010 / 0.018                      | ↓                            | ↓  |
|                 | 0.035 / 0.072                      | ↓                            | ↓  |
|                 | 0.010 / 0.018                      | ↓                            | ↓  |
| 10              | 0.026 / 0.032                      | ↓                            | ↓  |
|                 | 0.032 / 0.034                      | ↓                            | ↓  |
|                 | 0.016 / 0.023                      | ↓                            | ↓  |
|                 | 0.014 / 0.046                      | ↓                            | ↓  |
| 11              | 0.021 / 0.032                      | ↓                            | ↓  |
|                 | 0.015 / 0.047                      | ↓                            | ↓  |
|                 | 0.019 / 0.056                      | ↓                            | ↓  |
|                 | 0.013 / 0.032                      | ↓                            | ↓  |
| 12              | 0.013 / 0.014                      | ↓                            | ↓  |
|                 | Lunch.                             | ↓                            | ↓  |
|                 | 0.014 / 0.055                      | ↓                            | ↓  |
|                 | 0.011 / 0.036                      | ↓                            | ↓  |
| 1               | 0.016 / 0.076                      | ↓                            | ↓  |
|                 | 0.011 / 0.099                      | ↓                            | ↓  |
|                 | 0.019 / 0.065                      | ↓                            | ↓  |
|                 | 0.014 / 0.024                      | ↓                            | ↓  |
| 2               | 0.014 / 0.043                      | ↓                            | ↓  |
|                 | 0.017 / 0.068                      | ↓                            | ↓  |
|                 | 0.018 / 0.020                      | ↓                            | ↓  |
|                 | 0.021 / 0.032                      | ↓                            | ↓  |
| 3               | 0.039 / 0.105                      | ↓                            | ↓  |
|                 | 0.019 / 0.074                      | ↓                            | ↓  |
|                 | 0.016 / 0.044                      | ↓                            | ↓  |
|                 | 0.058 / 0.068                      | ↓                            | ↓  |
| 4               | 0.025 / 0.069                      | ↓                            | ↓  |
|                 | 0.035 / 0.082                      | ↓                            | ↓  |
| 4:30            | 0.029 / 0.067                      | ↓                            | ↓  |

Backgrounds:

1:0.009  
 2:0.012

### Site Perimeter Air Monitoring Log - Particulates

Locations:  
 V: N Center Lot  
 D: NE Corner

work stopped  
 prepping  
 machines for  
 demo.

| Time             | Concentration (mg/m <sup>3</sup> ) | Dust observed off-site (Y/N) |                                                                                                                         |
|------------------|------------------------------------|------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| 8 <sup>00</sup>  | 0.021 / 0.027                      | 0.0                          | No                                                                                                                      |
|                  | 0.014 / 0.017                      | "                            | "                                                                                                                       |
|                  | 0.011 / 0.019                      | "                            | "                                                                                                                       |
|                  | 0.018 / 0.051                      | "                            | "                                                                                                                       |
| 9 <sup>00</sup>  | 0.008 / 0.012                      | "                            | "                                                                                                                       |
|                  | 0.008 / 0.011                      | "                            | "                                                                                                                       |
|                  | 0.007 / 0.019                      | "                            | "                                                                                                                       |
|                  | 0.009 / 0.014                      | "                            | "                                                                                                                       |
| 10 <sup>00</sup> | 0.003 / 0.012                      | "                            | "                                                                                                                       |
|                  | 0.006 / 0.026                      | "                            | "                                                                                                                       |
|                  | 0.016 / 0.032                      |                              |                                                                                                                         |
|                  | 0.012 / 0.026                      | ↓                            | ↓                                                                                                                       |
| 11 <sup>00</sup> | 0.010 / 0.014                      | ↓                            | ↓                                                                                                                       |
|                  | 0.019 / 0.085                      | ↓                            | ↓                                                                                                                       |
|                  | 0.023 / 0.017                      | ↓                            | ↓                                                                                                                       |
|                  | 0.014 / 0.019                      | ↓                            | ↓                                                                                                                       |
| 12 <sup>00</sup> | 0.016 / 0.023                      | "                            | "                                                                                                                       |
|                  | 0.011 / 0.076                      | "                            | "                                                                                                                       |
|                  | 0.012 / 0.093                      | "                            | "                                                                                                                       |
|                  | Lunch                              | "                            | "                                                                                                                       |
| 1 <sup>00</sup>  | Lunch                              | "                            | "                                                                                                                       |
|                  | 0.011 / 0.014                      | "                            | "                                                                                                                       |
|                  | 0.009 / 0.017                      | "                            | "                                                                                                                       |
|                  | 0.008 / 0.042                      | ✓"                           | "                                                                                                                       |
| 2 <sup>00</sup>  | 0.319 / 0.342                      | 0.0 Yes                      | spoke w/ contractor - wet down<br>area before dropping large wall<br>sections. Ent area wet down<br>after dust cleared. |
|                  | 0.078 / 0.129                      | 0.0                          | No                                                                                                                      |
|                  | 0.012 / 0.034                      |                              |                                                                                                                         |
|                  | 0.017 / 0.048                      |                              |                                                                                                                         |
| 3 <sup>00</sup>  | 0.007 / 0.018                      |                              |                                                                                                                         |
|                  | 0.009 / 0.024                      |                              |                                                                                                                         |
|                  | 0.010 / 0.021                      |                              |                                                                                                                         |
|                  | 0.015 / 0.025                      |                              |                                                                                                                         |
| 4 <sup>00</sup>  | 0.012 / 0.018                      |                              |                                                                                                                         |

Large portion

## Work Zone Perimeter Air Monitoring Log – Particulates

Site: Orchard/Whitney ERP - City of Rochester  
 Date: 5/7/08  
 Location: Upwind / Downwind  
 Background: U 0.028 / D 0.038  
 Instrument Used: \_\_\_\_\_  
 Calibrated: \_\_\_\_\_

| Time | Concentration (mg/m <sup>3</sup> ) | Dust observed off-site (Y/N) |    |
|------|------------------------------------|------------------------------|----|
| 8:00 | 0.031 / 0.037                      | 0.0                          | No |
|      | 0.027 / 0.041                      | "                            | "  |
|      | 0.021 / 0.036                      | "                            | "  |
|      | No work                            | "                            | "  |
| 9    | 0.031 / 0.042                      | "                            | "  |
|      | 0.029 / 0.047                      | "                            | "  |
|      | 0.024 / 0.037                      | "                            | "  |
|      | 0.019 / 0.040                      |                              |    |
| 10   | 0.021 / 0.029                      |                              |    |
|      | 0.022 / 0.027                      |                              |    |
|      | 0.020 / 0.021                      |                              |    |
|      | 0.016 / 0.037                      |                              |    |
| 11   | 0.023 / 0.026                      |                              |    |
|      | 0.027 / 0.034                      |                              |    |
|      | 0.0037 / 0.041                     |                              |    |
|      | 0.026 / 0.033                      |                              |    |
| 12   | Lunch                              |                              |    |
|      | Lunch                              |                              |    |
|      | 0.027 / 0.038                      |                              |    |
|      | 0.038 / 0.053                      |                              |    |
| 1    | 0.024 / 0.039                      |                              |    |
|      | 0.028 / 0.053                      |                              |    |
|      | 0.037 / 0.046                      |                              |    |

## Work Zone Perimeter Air Monitoring Log – Particulates

Site: 5/7/08

Date: \_\_\_\_\_

Location: Upwind / Downwind

Background: \_\_\_\_\_

Instrument Used: \_\_\_\_\_

Calibrated: \_\_\_\_\_

| Time | Concentration (mg/m <sup>3</sup> ) | Dust observed off-site (Y/N) |    |
|------|------------------------------------|------------------------------|----|
|      | 0.024 / 0.053                      | 0% 0                         | No |
| 2    | 0.035 / 0.077                      | ↓                            | ↓  |
|      | 0.041 / 0.058                      |                              |    |
|      | 0.028 / 0.041                      |                              |    |
|      | 0.017 / 0.043                      | ↓                            | ↓  |
| 3    | 0.023 / 0.041                      | ↓                            | ↓  |
|      | 0.017 / 0.058                      |                              |    |
|      | 0.027 / 0.045                      |                              |    |
|      | 0.033 / 0.039                      |                              |    |
| 4    | 0.033 / 0.036                      | ↓                            | ↓  |
|      |                                    |                              |    |
|      |                                    |                              |    |
|      |                                    |                              |    |
|      |                                    |                              |    |
|      |                                    |                              |    |
|      |                                    |                              |    |
|      |                                    |                              |    |
|      |                                    |                              |    |
|      |                                    |                              |    |
|      |                                    |                              |    |
|      |                                    |                              |    |
|      |                                    |                              |    |

## Site Perimeter Air Monitoring Log – Particulates

Site: Orchard / Whitney ERP  
 Date: 5/8/08  
 Location: Upwind / Downwind  
 Background: 0.006 / 0.007  
 Instrument Used: \_\_\_\_\_  
 Calibrated: \_\_\_\_\_

| Time  | Concentration (mg/m <sup>3</sup> ) | Dust observed off-site (Y/N) |    |
|-------|------------------------------------|------------------------------|----|
|       |                                    | 0.0/0.0                      |    |
| 7:45  | 0.006 / 0.007                      | 0.0/0.0                      | NO |
| 8:00  | 0.009 / 0.034                      | ↓                            | ↓  |
|       | 0.011 / 0.039                      |                              |    |
|       | 0.026 / 0.041                      |                              |    |
|       | 0.003 / 0.003                      |                              |    |
| 9:00  | 0.003 / 0.004                      | ↓                            | ↓  |
|       | 0.005 / 0.016                      |                              |    |
|       | 0.003 / 0.049                      |                              |    |
|       | 0.004 / 0.026                      |                              |    |
| 10:00 | 0.003 / 0.010                      | "                            | "  |
|       | 0.005 / 0.015                      |                              |    |
|       | 0.003 / 0.009                      |                              |    |
|       | 0.010 / 0.016                      |                              |    |
| 11:00 | 0.007 / 0.009                      | 0.0/0.0                      | NO |
|       | 0.009 / 0.021                      |                              |    |
|       | 0.003 / 0.006                      |                              |    |
|       | 0.005 / 0.013                      |                              |    |
| 17:00 | 0.006 / 0.011                      | ↓                            | ↓  |
| LUNCH |                                    |                              |    |
| 12:30 | 0.008 / 0.060                      | 0/0                          | NO |
| 12:45 | 0.013 / 0.027                      | 0/0                          | NO |
|       |                                    |                              |    |

## Site Perimeter Air Monitoring Log – Particulates

Site: Orchard/Whitney ERP - Whitney Bldg. Demo  
 Date: 5/8/08  
 Location: Upwind / Downwind  
 Background: 0.006 / 0.007  
 Instrument Used: Dustrak  
 Calibrated: \_\_\_\_\_

| Time                  | Concentration (mg/m <sup>3</sup> ) | Dust observed off-site (Y/N) |           |
|-----------------------|------------------------------------|------------------------------|-----------|
|                       |                                    | PID                          |           |
| <u>1<sup>00</sup></u> | <u>0.011 / 0.015</u>               | <u>0/0</u>                   | <u>NO</u> |
|                       | <u>0.007 / 0.023</u>               | ↓                            | ↓         |
|                       | <u>0.021 / 0.044</u>               | ↓                            | ↓         |
|                       | <u>0.003 / 0.018</u>               | ↓                            | ↓         |
| <u>2<sup>00</sup></u> | <u>0.006 / 0.021</u>               | ↓                            | ↓         |
|                       | <u>0.014 / 0.030</u>               | ↓                            | ↓         |
|                       | <u>0.007 / 0.041</u>               | ↓                            | ↓         |
|                       | <u>0.008 / 0.061</u>               | ↓                            | ↓         |
| <u>3<sup>00</sup></u> | <u>0.010 / 0.049</u>               | ↓                            | ↓         |
|                       | <u>0.011 / 0.036</u>               | ↓                            | ↓         |
|                       | <u>0.009 / 0.021</u>               | ↓                            | ↓         |
|                       | <u>0.007 / 0.014</u>               | ↓                            | ↓         |
| <u>4<sup>00</sup></u> | <u>0.012 / 0.031</u>               | ↓                            | ↓         |
|                       |                                    |                              |           |
|                       |                                    |                              |           |
|                       |                                    |                              |           |
|                       |                                    |                              |           |
|                       |                                    |                              |           |
|                       |                                    |                              |           |
|                       |                                    |                              |           |
|                       |                                    |                              |           |
|                       |                                    |                              |           |
|                       |                                    |                              |           |

### Site Perimeter Air Monitoring Log – Particulates

Site: Orchard / Whitney ERP  
 Date: 5/9/2008  
 Location: Upwind / Downwind  
 Background: 0.008 / 0.011  
 Instrument Used: DustTrak  
 Calibrated: \_\_\_\_\_

| Time            | Concentration (mg/m <sup>3</sup> ) | Dust observed off-site (Y/N) |    |
|-----------------|------------------------------------|------------------------------|----|
|                 |                                    |                              |    |
| 7 <sup>45</sup> | 0.008 / 0.011                      | 0.0 / 0.0                    | No |
| 8 <sup>00</sup> | 0.009 / 0.013                      | ↓                            | ↓  |
|                 | 0.007 / 0.024                      |                              |    |
|                 | 0.013 / 0.018                      |                              |    |
|                 | 0.007 / 0.012                      |                              |    |
| 9               | 0.009 / 0.015                      | ↓                            | ↓  |
|                 | 0.010 / 0.013                      |                              |    |
|                 | 0.010 / 0.017                      |                              |    |
|                 | 0.010 / 0.021                      |                              |    |
| 10              | 0.013 / 0.033                      | ↓                            | ↓  |
|                 | 0.011 / 0.038                      |                              |    |
|                 | 0.017 / 0.026                      |                              |    |
|                 | 0.035 / 0.056                      |                              |    |
| 11              | 0.018 / 0.034                      | ↓                            | ↓  |
|                 | 0.029 / 0.032                      |                              |    |
|                 | 0.021 / 0.034                      |                              |    |
|                 | 0.039 / 0.028                      |                              |    |
| 12              | 0.041 / 0.045                      |                              |    |
|                 | LUNCH                              |                              |    |
|                 | 0.018 / 0.035                      |                              |    |



## Site Perimeter Air Monitoring Log – Particulates

Site: \_\_\_\_\_ 5/9/08 \_\_\_\_\_

Date: \_\_\_\_\_

Location: Upwind / Downwind \_\_\_\_\_

Background: \_\_\_\_\_

Instrument Used: \_\_\_\_\_

Calibrated: \_\_\_\_\_

| Time                  | Concentration (mg/m <sup>3</sup> ) | Dust observed off-site (Y/N) |           |
|-----------------------|------------------------------------|------------------------------|-----------|
| <u>1<sup>00</sup></u> | <u>0.024 / 0.043</u>               | <u>0.0</u>                   | <u>No</u> |
|                       | <u>0.033 / 0.048</u>               | <u>"</u>                     | <u>"</u>  |
|                       | <u>0.014 / 0.021</u>               | <u>"</u>                     | <u>"</u>  |
|                       | <u>0.022 / 0.046</u>               | <u>"</u>                     | <u>"</u>  |
| <u>2</u>              | <u>FINISH</u>                      |                              |           |
|                       | <u>↳ offsite @ 2pm.</u>            |                              |           |
|                       |                                    |                              |           |
|                       |                                    |                              |           |
| <u>3</u>              |                                    |                              |           |
|                       |                                    |                              |           |
|                       |                                    |                              |           |
| <u>4</u>              |                                    |                              |           |
|                       |                                    |                              |           |
|                       |                                    |                              |           |
|                       |                                    |                              |           |
|                       |                                    |                              |           |
|                       |                                    |                              |           |
|                       |                                    |                              |           |
|                       |                                    |                              |           |
|                       |                                    |                              |           |
|                       |                                    |                              |           |

### Site Perimeter Air Monitoring Log – Particulates

Site: Orchard / Whitney  
 Date: 5/12/08  
 Location: Upwind / Downwind      NW corner / NE corner  
 Background: 0.003 / 0.008  
 Instrument Used: DustTrak  
 Calibrated: \_\_\_\_\_

| Time            | Concentration (mg/m <sup>3</sup> ) | Dust observed off-site (Y/N) |    |
|-----------------|------------------------------------|------------------------------|----|
| 7:45            | 0.003/0.008                        | 0.0/0.0                      | No |
| 8 <sup>00</sup> | 0.005 / 0.043                      | ↓                            | ↓  |
|                 | 0.003 / 0.024                      | ↓                            | ↓  |
|                 | 0.008 / 0.027                      | ↓                            | ↓  |
|                 | 0.016 / 0.041                      | ↓                            | ↓  |
| 9               | 0.021 / 0.029                      | ↓                            | ↓  |
|                 | 0.031 / 0.081                      | ↓                            | ↓  |
|                 | 0.024 / 0.036                      | ↓                            | ↓  |
|                 | 0.010 / 0.008                      | "                            | "  |
| 10              | 0.006 / 0.008                      | "                            | "  |
|                 | 0.003 / 0.106                      | "                            | "  |
|                 | 0.008 / 0.048                      | "                            | "  |
|                 | 0.003 / 0.044                      | "                            | "  |
| 11              | 0.007 / 0.011                      | "                            | "  |
|                 | 0.005 / 0.046                      | "                            | "  |
|                 | No Work                            | "                            | "  |
|                 | No Work (0.007/0.013)              | "                            | "  |
| 12              | 0.003 / 0.041                      | "                            | "  |
|                 | Lunch.                             | "                            | "  |
|                 | 0.006 / 0.013                      | "                            | "  |
|                 | 0.003 / 0.019                      | "                            | "  |
| 1 <sup>00</sup> | 0.007 / 0.022                      | "                            | "  |

### Site Perimeter Air Monitoring Log – Particulates

Site: \_\_\_\_\_  
 Date: 5/12/06  
 Location: Upwind / Downwind  
 Background: \_\_\_\_\_  
 Instrument Used: \_\_\_\_\_  
 Calibrated: \_\_\_\_\_

| Time            | Concentration (mg/m <sup>3</sup> ) | Dust observed off-site (Y/N) |    |
|-----------------|------------------------------------|------------------------------|----|
| 1 <sup>00</sup> | 0.007 / 0.022                      | 0.0                          | No |
|                 | 0.003 / 0.020                      | "                            | "  |
|                 | 0.007 / 0.035                      | "                            | "  |
|                 | 0.009 / 0.038                      | "                            | "  |
| 2 <sup>00</sup> | 0.020 / 0.052                      | "                            | "  |
|                 | 0.011 / 0.037                      | "                            | "  |
|                 | 0.003 / 0.035                      | "                            | "  |
|                 | 0.008 / 0.015                      | "                            | "  |
| 3 <sup>00</sup> | 0.010 / 0.018                      | ↓                            | ↓  |
|                 | 0.013 / 0.012                      | ↓                            | ↓  |
|                 | 0.010 / 0.031                      | ↓                            | ↓  |
|                 | 0.007 / 0.022                      | "                            | "  |
| 4               | DONE                               |                              |    |
|                 |                                    |                              |    |
|                 |                                    |                              |    |
|                 |                                    |                              |    |
|                 |                                    |                              |    |
|                 |                                    |                              |    |
|                 |                                    |                              |    |
|                 |                                    |                              |    |
|                 |                                    |                              |    |
|                 |                                    |                              |    |
|                 |                                    |                              |    |
|                 |                                    |                              |    |

## Site Perimeter Air Monitoring Log – Particulates

Site: Orchard/Whitney  
 Date: 5/13/08  
 Location: Upwind / Downwind  
 Background: 0.015/0.027  
 Instrument Used: Dust+Trak  
 Calibrated: \_\_\_\_\_

| Time             | Concentration (mg/m <sup>3</sup> ) | Dust observed off-site (Y/N) |    |
|------------------|------------------------------------|------------------------------|----|
| 7 <sup>45</sup>  | 0.015 / 0.027                      | 0.0/0.0                      | No |
| 8 <sup>00</sup>  | 0.028 / 0.058                      | "                            | "  |
|                  | 0.045 / 0.067                      | "                            | "  |
| 9 <sup>00</sup>  | 0.025 / 0.053                      | "                            | "  |
|                  | 0.041 / 0.091                      | "                            | "  |
|                  | 0.013 / 0.061                      | "                            | "  |
|                  | 0.036 / 0.087                      | "                            | "  |
|                  | 0.024 / 0.031                      | "                            | "  |
| 10 <sup>00</sup> | 0.017 / 0.032                      | "                            | "  |
|                  | 0.022 / 0.041                      | "                            | "  |
|                  | 0.014 / 0.022                      | "                            | "  |
|                  | 0.021 / 0.027                      | "                            | "  |
| 11 <sup>00</sup> | 0.007 / 0.017                      | "                            | "  |
|                  | 0.009 / 0.024                      | "                            | "  |
|                  | 0.014 / 0.009                      | "                            | "  |
| 12 <sup>00</sup> | 0.011 / 0.007                      | "                            | "  |
|                  | 0.023 / 0.040                      | "                            | "  |
|                  | 0.019 / 0.061                      | "                            | "  |
|                  | 0.037 / 0.088                      | "                            | "  |
|                  | 0.012 / 0.023                      | "                            | "  |
|                  | 0.041 / 0.037                      | "                            | "  |
|                  | 0.044 / 0.072                      | "                            | "  |
|                  | 0.013 / 0.021                      | "                            | "  |

## Site Perimeter Air Monitoring Log – Particulates

Site: Orchard/Whitney - Whitney Bldg. Demo - ERP  
 Date: 5/13/08  
 Location: Upwind / Downwind  
 Background: 0.015 / 0.027  
 Instrument Used: DUSTRAK  
 Calibrated: \_\_\_\_\_

| Time                  | Concentration (mg/m <sup>3</sup> ) | Dust observed off-site (Y/N) |          |
|-----------------------|------------------------------------|------------------------------|----------|
| <u>1<sup>00</sup></u> | <u>0.009 / 0.024</u>               | <u>0 / 0 ppm</u>             | <u>N</u> |
|                       | <u>0.039 / 0.084</u>               | ↓                            | ↓        |
|                       | <u>0.018 / 0.033</u>               |                              |          |
|                       | <u>0.020 / 0.049</u>               |                              |          |
| <u>2<sup>00</sup></u> | <u>0.044 / 0.066</u>               |                              |          |
|                       | <u>0.017 / 0.023</u>               |                              |          |
|                       | <u>0.019 / 0.031</u>               |                              |          |
|                       | <u>0.008 / 0.021</u>               |                              |          |
| <u>3<sup>00</sup></u> | <u>0.014 / 0.033</u>               |                              |          |
|                       | <u>0.012 / 0.023</u>               |                              |          |
|                       | <u>0.022 / 0.031</u>               |                              |          |
|                       | <u>0.027 / 0.028</u>               |                              |          |
| <u>4<sup>00</sup></u> | <u>0.033 / 0.041</u>               |                              |          |
|                       |                                    |                              |          |
|                       |                                    |                              |          |
|                       |                                    |                              |          |
|                       |                                    |                              |          |
|                       |                                    |                              |          |
|                       |                                    |                              |          |
|                       |                                    |                              |          |

## Work Zone Perimeter Air Monitoring Log – Particulates

Site: Orchard/Whitney ERP  
 Date: 5/14/08  
 Location: Upwind / Downwind      NE corner / N Center  
 Background: 0.013/0.030  
 Instrument Used: DustTrak  
 Calibrated: \_\_\_\_\_

| Time            | Concentration (mg/m <sup>3</sup> ) | Dust observed off-site (Y/N) |
|-----------------|------------------------------------|------------------------------|
| 7:45            | 0.013/0.030                        | 0.0/0.0      N               |
| 8 <sup>00</sup> | 0.017/0.066                        | ↓                            |
|                 | 0.033/0.080                        |                              |
| 9               | 0.013/0.031                        | ↓                            |
|                 | 0.010/0.050                        |                              |
|                 | 0.012/0.042                        | ↓                            |
|                 | 0.031/0.072                        |                              |
|                 | 0.011/0.031                        | ↓                            |
|                 | 0.040/0.041                        |                              |
| 10              | 0.013/0.044                        | ↓                            |
|                 | 0.021/0.031                        |                              |
|                 | 0.013/0.015                        | ↓                            |
|                 | 0.017/0.048                        |                              |
| 11              | 0.015/0.045                        | ↓                            |
|                 | 0.031/0.021                        |                              |
| 12              | LUNCH                              | ↓                            |
|                 | LUNCH                              |                              |
|                 | 0.018/0.055                        | ↓                            |
|                 | 0.029/0.068                        |                              |
| 1               | 0.035/0.073                        | ↓                            |
|                 | 0.027/0.051                        |                              |
|                 | 0.013/0.068                        | ↓                            |
|                 | 0.043/0.116                        |                              |
| 3               | 0.038/0.078                        | ↓                            |
|                 | 0.026/0.045                        |                              |
|                 | 0.017/0.066                        | ↓                            |
|                 | 0.025/0.051                        |                              |
|                 | 0.031/0.024                        | ↓                            |
|                 | 0.028/0.076                        |                              |

No ↓  
 0.0/0.0 →  
 0.019/0.063  
 0.017/0.045  
 TANK



**LU ENGINEERS**  
Civil and Environmental

2230 Penfield Road  
PENFIELD, NEW YORK 14526  
(585) 377-1450  
FAX (585) 377-1266

JOB TITLE \_\_\_\_\_  
SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_  
CALCULATED BY \_\_\_\_\_ DATE \_\_\_\_\_  
CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_  
P.I.N. \_\_\_\_\_

| Orchard/Whitney ERP - City of Rochester |               | VOC           | Dust Observed offsite? |
|-----------------------------------------|---------------|---------------|------------------------|
| 5/15/08 Wind: wsw 5                     |               | %/0           | No                     |
| Locations: U: N Center D: NE Corner     |               |               |                        |
| Backgrounds: U: 0.013 D: 0.018          |               |               |                        |
| 7:45                                    | 0.013 / 0.018 | ↓             | ↓                      |
| 8:00                                    | 0.020 / 0.031 |               |                        |
|                                         | 0.026 / 0.029 |               |                        |
|                                         | 0.013 / 0.016 |               |                        |
|                                         | 0.011 / 0.008 |               |                        |
| 9:00                                    | 0.011 / 0.048 |               |                        |
|                                         | NO WORK       |               |                        |
|                                         | NO WORK       |               |                        |
| 10:00                                   |               |               |                        |
| ↓                                       |               | NY DOL Onsite |                        |
|                                         |               |               |                        |
| 11:00                                   | 0.013 / 0.010 | 0.0/0.0       | No                     |
|                                         | 0.017 / 0.031 | ↓             | ↓                      |
|                                         | 0.019 / 0.045 |               |                        |
|                                         | 0.022 / 0.039 |               |                        |
|                                         | 0.011 / 0.048 |               |                        |
|                                         | 0.014 / 0.033 |               |                        |
| 12:00                                   | 0.016 / 0.048 |               |                        |
|                                         | LUNCH         |               |                        |
|                                         | LUNCH         |               |                        |
| 1:00                                    | 0.009 / 0.060 | 0.0/0.0       | No                     |
|                                         | 0.010 / 0.022 | ↓             | ↓                      |
|                                         | 0.016 / 0.035 |               |                        |
|                                         | 0.015 / 0.014 |               |                        |
| 2:00                                    | 0.013 / 0.027 |               |                        |
|                                         | 0.012 / 0.068 |               |                        |
|                                         | 0.021 / 0.026 |               |                        |
|                                         | 0.010 / 0.016 |               |                        |
| 3:00                                    | 0.016 / 0.025 |               |                        |
|                                         | 0.013 / 0.018 |               |                        |
|                                         | 0.017 / 0.025 |               |                        |
| 4:00                                    | DONE          |               |                        |



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PENFIELD, NEW YORK 14526

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JOB TITLE \_\_\_\_\_

SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_

CALCULATED BY \_\_\_\_\_ DATE \_\_\_\_\_

CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_

P.I.N. \_\_\_\_\_

Orchard/Whitney ERP

City of Rochester

5/16/2008

Wind: W 5±

Backgrounds:

0.022/0.028

Location - N. Center Lot D: SW Corner

|      | <u>Dust Conc <math>Mg/m^3</math></u> | <u>VOC</u> | <u>Dust Observed Offsite?</u> |
|------|--------------------------------------|------------|-------------------------------|
| 8:00 | 0.022/0.028                          | 0%0.0      | No                            |
|      | 0.028/0.033                          | "          | "                             |
|      | 0.023/0.068                          | "          | "                             |
|      | 0.038/0.061                          | "          | "                             |
| 9    | 0.020/0.045                          | "          | "                             |
|      | 0.028/0.048                          | "          | "                             |
|      | 0.032/0.063                          | "          | "                             |
|      | 0.011/0.021                          | "          | "                             |
| 10   | 0.023/0.033                          | "          | "                             |
|      | 0.017/0.049                          | "          | "                             |
|      | 0.033/0.018                          | "          | "                             |
|      | 0.017/0.099                          | "          | "                             |
| 11   | 0.023/0.091                          | "          | "                             |
|      | 0.018/0.066                          | "          | "                             |
|      | 0.014/0.041                          | "          | "                             |
|      | 0.017/0.015                          | "          | "                             |
| 12   | 0.017/0.015                          | "          | "                             |
|      | LUNCH                                | "          | "                             |
|      | LUNCH                                | "          | "                             |
|      | 0.025/0.018                          | "          | "                             |
| 1    | 0.013/0.035                          | "          | "                             |
|      | 0.022/0.032                          | "          | "                             |
|      | 0.028/0.027                          | "          | "                             |
|      | 0.019/0.026                          | "          | "                             |
| 2    | DONE                                 |            |                               |
| 3    |                                      |            |                               |





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JOB TITLE \_\_\_\_\_  
SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_  
CALCULATED BY \_\_\_\_\_ DATE \_\_\_\_\_  
CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_  
P.I.N. \_\_\_\_\_

Orchard/Whitney ERP  
City of Rochester

5/19/2008 Wind: W 20+ mph

Backgrounds: 0.013/0.021

Location: U: N Center Lot D: NE Corner

|      | <u>Dust Conc. (mg/m<sup>3</sup>)</u>   | <u>VOC</u> | <u>Dust Observed Offsite?</u> |
|------|----------------------------------------|------------|-------------------------------|
| 8:00 | (Working on excavators)<br>0.013/0.021 | 0.0        | No                            |
| 9    | 0.011/0.023                            | ↓          | ↓                             |
|      | 0.007/0.010                            |            |                               |
|      | 0.008/0.005                            |            |                               |
|      | 0.006/0.008                            |            |                               |
| 10   | 0.006/0.007                            | ↓          | ↓                             |
|      | 0.011/0.008                            |            |                               |
|      | 0.007/0.007                            |            |                               |
| 11   | 0.011/0.013                            | ↓          | ↓                             |
|      | 0.015/0.021                            |            |                               |
|      | 0.006/0.015                            |            |                               |
|      | 0.006/0.023                            |            |                               |
|      | 0.011/0.017                            |            |                               |
| 12   | 0.008/0.011                            | ↓          | ↓                             |
|      | 0.013/0.012                            |            |                               |
| 1    | LUNCH                                  | ↓          | ↓                             |
|      | LUNCH                                  |            |                               |
|      | LUNCH                                  |            |                               |
|      | 0.003/0.014                            |            |                               |
| 2    | 0.008/0.032                            | ↓          | ↓                             |
|      | 0.007/0.021                            |            |                               |
|      | 0.006/0.026                            |            |                               |
|      | 0.008/0.014                            |            |                               |
|      | 0.006/0.033                            |            |                               |
| 3    | 0.011/0.017                            | ↓          | ↓                             |
|      | 0.032/0.016                            |            |                               |
|      | 0.017/0.026                            |            |                               |
|      | 0.008/0.019                            |            |                               |
|      | 0.016/0.012                            | ↓          | ↓                             |

Orchard/Whitney ERP  
City of Rochester  
5/20/08 Wind SW 5-10mph  
Location: U: N Center Lot D: NE Corner  
Backgrounds: 0.013/0.016

|                 | Dust Conc. (mg/m <sup>3</sup> ) | VOC<br>0.0/0.0 | Dust Observed Offsite?<br>No |
|-----------------|---------------------------------|----------------|------------------------------|
| 8 <sup>00</sup> | 0.018/0.023                     | ↓              | ↓                            |
|                 | 0.030/0.048                     |                |                              |
|                 | 0.006/0.018                     |                |                              |
|                 | 0.010/0.048                     |                |                              |
| 9               | 0.011/0.016                     | ↓              | ↓                            |
|                 | 0.008/0.036                     |                |                              |
|                 | 0.011/0.052                     |                |                              |
|                 | 0.016/0.109                     |                |                              |
| 10              | 0.009/0.021                     | ↓              | ↓                            |
|                 | 0.013/0.031                     |                |                              |
|                 | 0.007/0.035                     |                |                              |
|                 | 0.009/0.027                     |                |                              |
| 11              | 0.013/0.043                     | ↓              | ↓                            |
|                 | 0.017/0.036                     |                |                              |
|                 | 0.011/0.021                     |                |                              |
|                 | 0.015/0.048                     |                |                              |
| 12              | 0.016/0.066                     | ↓              | ↓                            |
|                 | LUNCH                           |                |                              |
|                 | LUNCH                           |                |                              |
|                 | LUNCH                           |                |                              |
| 1               | 0.006/0.012                     | ↓              | ↓                            |
|                 | 0.023/0.048                     |                |                              |
|                 | 0.037/0.042                     |                |                              |
|                 | 0.016/0.058                     |                |                              |
| 2               | 0.017/0.027                     | ↓              | ↓                            |
|                 | 0.016/0.035                     |                |                              |
|                 | NO WORK                         |                |                              |
|                 | 0.026/0.030                     |                |                              |
| 3               | 0.022/0.047                     | "              | "                            |
|                 | 0.028/0.067                     | "              | "                            |

DONE

Backgrounds: 0.008/0.021

Location: U: N Center Lot Site Perimeter Air Monitoring Log - Particulates  
 D: NE Corner

VOC

| Time            | Concentration (mg/m <sup>3</sup> ) | Dust observed off-site (Y/N) |    |
|-----------------|------------------------------------|------------------------------|----|
| 8:30            | 0.011 / 0.013                      | 0.0                          | No |
|                 | 0.007 / 0.021                      | "                            | "  |
| 9 <sup>00</sup> | 0.008 / 0.016                      | "                            | "  |
|                 | 0.007 / 0.024                      | "                            | "  |
|                 | 0.003 / 0.016                      | "                            | "  |
|                 | 0.011 / 0.025                      | "                            | "  |
| 10              | 0.012 / 0.012                      | "                            | "  |
|                 | 0.008 / 0.016                      | "                            | "  |
|                 | 0.012 / 0.033                      | "                            | "  |
|                 | 0.011 / 0.015                      | "                            | "  |
| 11              | 0.011 / 0.012                      | "                            | "  |
|                 | 0.017 / 0.028                      | "                            | "  |
|                 | 0.008 / 0.013                      |                              |    |
|                 | 0.011 / 0.023                      |                              |    |
| 12              | LUNCH                              |                              |    |
|                 | LUNCH                              |                              |    |
|                 | LUNCH                              |                              |    |
|                 | 0.010 / 0.027                      |                              |    |
| 1               | 0.010 / 0.033                      | ↓                            | ↓  |
|                 | 0.008 / 0.021                      | "                            | "  |
|                 | 0.010 / 0.034                      | "                            | "  |
|                 | 0.011 / 0.029                      | "                            | "  |
| 2               | 0.017 / 0.021                      | "                            | "  |
|                 | 0.013 / 0.012                      | "                            | "  |
|                 | 0.010 / 0.027                      | "                            | "  |
|                 | 0.011 / 0.013                      | "                            | "  |
| 3               | 0.009 / 0.009                      |                              |    |
|                 | 0.009 / 0.011                      |                              |    |
|                 | 0.008 / 0.026                      | ↓                            | ↓  |
| 4               | DONE                               |                              |    |

- 5/1/00
- 42°; light rain
- light westerly breeze

Site Perimeter Air Monitoring Log – Particulates

ORCHARD/WHITNEY ERP – WHITNEY BLDG. DEMO

| Time             | Concentration (mg/m <sup>3</sup> ) | Dust observed off-site (Y/N) |     |
|------------------|------------------------------------|------------------------------|-----|
| 7:30             | BACKGROUND: 0.004 upwind           | @ NW corner of site          |     |
| <del>7:45</del>  | UPWIND / DOWNWIND                  |                              | PID |
| 7:45             | 0.003 / 0.004                      | N                            | 0.0 |
| 8:00             | 0.004 / 0.002                      | N                            |     |
| 8:15             | 0.006 / 0.003                      | N                            |     |
| 8:30             | 0.006 / 0.004                      | N                            |     |
| 8:45             | 0.007 / 0.004                      | N                            |     |
| 9:00             | 0.008 / 0.005                      | N                            |     |
| 9:15             | 0.003 / 0.002                      | N                            |     |
| 9:30             | 0.004 / 0.004                      | N                            |     |
| 9:45             | 0.005 / 0.009                      | N                            |     |
| 10:00            | 0.009 / 0.011                      | N                            |     |
| 10:15            | 0.008 / 0.010                      |                              |     |
| 10:30            | 0.012 / 0.021                      |                              |     |
| 10:45            | 0.004 / 0.008                      |                              |     |
| 11:00            | 0.011 / 0.013                      |                              |     |
| 11:15            | 0.014 / 0.018                      |                              |     |
| 11:30            | 0.017 / 0.018                      |                              |     |
| STOP LUNCH 11:45 | 0.007 / 0.010                      |                              |     |
| 13:00            | 0.006 / 0.008                      |                              |     |
| 13:15            | 0.011 / 0.013                      |                              |     |
| 13:30            | 0.017 / 0.020                      |                              |     |
| 13:45            | 0.009 / 0.011                      |                              |     |
| 14:00            | 0.003 / 0.009                      |                              |     |
| 14:15            | 0.014 / 0.022                      |                              |     |
| 14:30            | 0.015 / 0.024                      |                              |     |
| 14:45            | 0.011 / 0.011                      |                              |     |
| 15:00            | 0.013 / 0.024                      |                              |     |
| 15:15            | 0.012 / 0.011                      |                              |     |
| 15:30            | 0.023 / 0.031                      |                              |     |
| 15:45            | 0.020 / 0.022                      | ↓                            | ↓   |

5/23/08

Wind SW 5-10mph  
Backgrounds 0.004/0.011

### Site Perimeter Air Monitoring Log - Particulates

Locations:  
U: N Center Lot.  
D: NE Corner

Driving to Orchard St. to check downwind also.

VOC

| Time            | Concentration (mg/m <sup>3</sup> ) | Dust observed off-site (Y/N) |    |
|-----------------|------------------------------------|------------------------------|----|
| 7:45            | 0.004/0.011                        | 0.0/0.0                      | No |
| 8 <sup>00</sup> | 0.006/0.017                        | ↓                            | ↓  |
|                 | 0.005/0.023                        | ↓                            | ↓  |
|                 | 0.016/0.029                        | ↓                            | ↓  |
|                 | 0.004/0.013                        | ↓                            | ↓  |
| 9               | 0.004/0.017                        | ↓                            | ↓  |
|                 | 0.006/0.023                        | ↓                            | ↓  |
|                 | 0.006/0.040                        | ↓                            | ↓  |
|                 | 0.007/0.028                        | ↓                            | ↓  |
| 10              | 0.007/0.062                        | ↓                            | ↓  |
|                 | 0.008/0.011                        | ↓                            | ↓  |
|                 | 0.023/0.027                        | ↓                            | ↓  |
|                 | 0.011/0.016                        | ↓                            | ↓  |
| 11              | 0.010/0.021                        | ↓                            | ↓  |
|                 | 0.017/0.034                        | ↓                            | ↓  |
|                 | 0.013/0.011                        | ↓                            | ↓  |
|                 | 0.011/0.036                        | ↓                            | ↓  |
| 12              | LUNCH                              | ↓                            | ↓  |
|                 | LUNCH                              | ↓                            | ↓  |
|                 | LUNCH                              | ↓                            | ↓  |
|                 | 0.006/0.040                        | ↓                            | ↓  |
| 1               | 0.004/0.023                        | ↓                            | ↓  |
|                 | 0.020/0.031                        | ↓                            | ↓  |
|                 | 0.014/0.060                        | ↓                            | ↓  |
|                 | 0.007/0.041                        | ↓                            | ↓  |
| 2               | 0.031/0.053                        | ↓                            | ↓  |
|                 | DONE                               |                              |    |
| 3               |                                    |                              |    |

5/27/08

Backgrounds: 0.013/0.024

Site Perimeter Air Monitoring Log - Particulates

Locations:

U: N Center Lot

D: NE Corner.

| Time             | Concentration (mg/m <sup>3</sup> ) | Dust observed off-site (Y/N) |    |
|------------------|------------------------------------|------------------------------|----|
| 7:45             | 0.013/0.024                        | 0/0.0                        | No |
| 8 <sup>00</sup>  | 0.004/0.018                        | ↓                            | ↓  |
|                  | 0.016/0.023                        | ↓                            | ↓  |
|                  | 0.011/0.017                        | ↓                            | ↓  |
| 9 <sup>00</sup>  | 0.017/0.023                        | ↓                            | ↓  |
|                  | 0.007/0.009                        | ↓                            | ↓  |
|                  | 0.003/0.011                        | ↓                            | ↓  |
| 10 <sup>00</sup> | 0.006/0.018                        | ↓                            | ↓  |
|                  | 0.006/0.007                        | ↓                            | ↓  |
|                  | 0.005/0.012                        | ↓                            | ↓  |
| 11 <sup>00</sup> | 0.006/0.009                        | ↓                            | ↓  |
|                  | 0.003/0.017                        | ↓                            | ↓  |
|                  | 0.005/0.012                        | ↓                            | ↓  |
| 12 <sup>00</sup> | 0.007/0.006                        | ↓                            | ↓  |
|                  | 0.012/0.009                        | ↓                            | ↓  |
|                  | 0.005/0.012                        | ↓                            | ↓  |
| 1 <sup>00</sup>  | 0.003/0.009                        | ↓                            | ↓  |
|                  | LUNCH                              | ↓                            | ↓  |
|                  | LUNCH                              | ↓                            | ↓  |
| 2 <sup>00</sup>  | LUNCH                              | ↓                            | ↓  |
|                  | 0.007/0.016                        | ↓                            | ↓  |
|                  | 0.003/0.011                        | ↓                            | ↓  |
| 3 <sup>00</sup>  | 0.005/0.013                        | ↓                            | ↓  |
|                  | 0.003/0.009                        | ↓                            | ↓  |
|                  | 0.005/0.009                        | ↓                            | ↓  |
| 3 <sup>00</sup>  | 0.003/0.017                        | ↓                            | ↓  |
|                  | 0.003/0.005                        | ↓                            | ↓  |
|                  | 0.009/0.005                        | ↓                            | ↓  |
| 3 <sup>00</sup>  | 0.003/0.016                        | ↓                            | ↓  |
|                  | 0.005/0.007                        | ↓                            | ↓  |
|                  | 0.002/0.007                        | ↓                            | ↓  |

DONE

City of Rochester  
 5/28/08 - Wind NE-10mph.

1215

Sheet # 1 of 1

Backgrounds: 0.011/0.023

Locations

Site Perimeter Air Monitoring Log - Particulates

U: N Center Lot

D: S Center Lot  
 (mobile)

| Time             | Concentration (mg/m <sup>3</sup> ) | Dust observed off-site (Y/N) |    |
|------------------|------------------------------------|------------------------------|----|
| Backgrounds 7:45 | 0.011/0.023                        | 0.0/0.0                      | No |
| 8 <sup>30</sup>  | 0.005/0.017                        | ↓                            | ↓  |
|                  | 0.008/0.021                        | ↓                            | ↓  |
| 9 <sup>00</sup>  | 0.003/0.011                        | ↓                            | ↓  |
|                  | No Work                            | ↓                            | ↓  |
|                  | 0.006/0.019                        | ↓                            | ↓  |
|                  | 0.005/0.003                        | ↓                            | ↓  |
| 10               | 0.017/0.009                        | ↓                            | ↓  |
|                  | 0.012/0.017                        | ↓                            | ↓  |
|                  | 0.005/0.006                        | ↓                            | ↓  |
|                  | 0.003/0.006                        | ↓                            | ↓  |
| 11               | 0.001/0.010                        | ↓                            | ↓  |
|                  | 0.003/0.011                        | ↓                            | ↓  |
|                  | 0.002/0.007                        | ↓                            | ↓  |
|                  | 0.003/0.008                        | ↓                            | ↓  |
| 12               | 0.002/0.008                        | ↓                            | ↓  |
|                  | LUNCH                              | ↓                            | ↓  |
|                  | ↓                                  | ↓                            | ↓  |
| 1                | "                                  | ↓                            | ↓  |
|                  | "                                  | ↓                            | ↓  |
|                  | 0.007/0.048                        | "                            | "  |
| 2                | 0.012/0.301                        | ↓                            | ↓  |
|                  | 0.017/0.053                        | ↓                            | ↓  |
|                  | 0.04/8                             | ↓                            | ↓  |
|                  | 0.0/3                              | ↓                            | ↓  |
| 0                | 7/0.021                            | ↓                            | ↓  |
|                  | 0.008/0.023                        | ↓                            | ↓  |
|                  | 0.009/0.023                        | "                            | "  |

Wind: SW

70° Sunny

Site Perimeter Air Monitoring Log - Particulates

4 / 0

PID

Bckgrnd

| Time                     | Concentration (mg/m <sup>3</sup> ) | Dust observed off-site (Y/N) |   |
|--------------------------|------------------------------------|------------------------------|---|
| 0735                     | .011 / .012                        | 0.0 / 0.0                    | N |
| 0830                     | .025 / .036                        | 0.0 / 0.0                    | " |
| 0845                     | .009 / .018                        | 0.0 / 0.0                    | " |
| 0940                     | .012 / .020                        | 0.0 / 0.0                    | " |
| 10 - 1000                | .012 / .025                        | 0.0 / 0.0                    | " |
| 1015                     | .015 / .020                        | "                            | " |
| 1045                     | .011 / .012                        | "                            | " |
| 11 - 1100                | .025 / .012                        | "                            | " |
| 1115                     | .032 / .010                        | "                            | " |
| 1130                     | .029 / .012                        | "                            | " |
| 1145                     | .028 / .040                        | "                            | " |
| 1200                     | .019 / .040                        | "                            | " |
| 1 - start up again → 100 | .022 / .040                        | "                            | " |
| 115                      | .019 / .052                        | "                            | " |
| 130                      | .015 / .041                        | "                            | " |
| 145                      | .011 / .044                        | "                            | " |
| 2 - 200                  | .020 / .030                        | "                            | " |
| 215                      | .018 / .026                        | "                            | " |
| 230                      | .050 / .060                        | "                            | " |
| 245                      | .022 / .035                        | "                            | " |
| 3 - 300                  | .019 / .032                        | "                            | " |
| 315                      | .015 / .019                        | "                            | " |
|                          |                                    |                              |   |
|                          |                                    |                              |   |
|                          |                                    |                              |   |
|                          |                                    |                              |   |
|                          |                                    |                              |   |
|                          |                                    |                              |   |
|                          |                                    |                              |   |
|                          |                                    |                              |   |
|                          |                                    |                              |   |
|                          |                                    |                              |   |

→ welding no excavator movement

1 - start up again →



# Test 002

TB-03 upwind

| Instrument |           | Data Properties  |            |
|------------|-----------|------------------|------------|
| Model      | Dust Trak | Start Date       | 09/24/2008 |
| Meter S/N  | 16449     | Start Time       | 08:06:28   |
|            |           | Stop Date        | 09/24/2008 |
|            |           | Stop Time        | 09:22:28   |
|            |           | Total Time       | 0:01:16:00 |
|            |           | Logging Interval | 60 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 09/24/2008 | 08:07:28 | 0.033                     |
| 2          | 09/24/2008 | 08:08:28 | 0.039                     |
| 3          | 09/24/2008 | 08:09:28 | 0.042                     |
| 4          | 09/24/2008 | 08:10:28 | 0.037                     |
| 5          | 09/24/2008 | 08:11:28 | 0.039                     |
| 6          | 09/24/2008 | 08:12:28 | 0.040                     |
| 7          | 09/24/2008 | 08:13:28 | 0.043                     |
| 8          | 09/24/2008 | 08:14:28 | 0.041                     |
| 9          | 09/24/2008 | 08:15:28 | 0.043                     |
| 10         | 09/24/2008 | 08:16:28 | 0.041                     |
| 11         | 09/24/2008 | 08:17:28 | 0.044                     |
| 12         | 09/24/2008 | 08:18:28 | 0.055                     |
| 13         | 09/24/2008 | 08:19:28 | 0.041                     |
| 14         | 09/24/2008 | 08:20:28 | 0.043                     |
| 15         | 09/24/2008 | 08:21:28 | 0.048                     |
| 16         | 09/24/2008 | 08:22:28 | 0.048                     |
| 17         | 09/24/2008 | 08:23:28 | 0.048                     |
| 18         | 09/24/2008 | 08:24:28 | 0.041                     |
| 19         | 09/24/2008 | 08:25:28 | 0.046                     |
| 20         | 09/24/2008 | 08:26:28 | 0.043                     |
| 21         | 09/24/2008 | 08:27:28 | 0.043                     |
| 22         | 09/24/2008 | 08:28:28 | 0.041                     |
| 23         | 09/24/2008 | 08:29:28 | 0.042                     |
| 24         | 09/24/2008 | 08:30:28 | 0.039                     |
| 25         | 09/24/2008 | 08:31:28 | 0.039                     |
| 26         | 09/24/2008 | 08:32:28 | 0.038                     |
| 27         | 09/24/2008 | 08:33:28 | 0.038                     |
| 28         | 09/24/2008 | 08:34:28 | 0.040                     |
| 29         | 09/24/2008 | 08:35:28 | 0.037                     |
| 30         | 09/24/2008 | 08:36:28 | 0.039                     |
| 31         | 09/24/2008 | 08:37:28 | 0.035                     |
| 32         | 09/24/2008 | 08:38:28 | 0.035                     |
| 33         | 09/24/2008 | 08:39:28 | 0.037                     |
| 34         | 09/24/2008 | 08:40:28 | 0.034                     |
| 35         | 09/24/2008 | 08:41:28 | 0.033                     |
| 36         | 09/24/2008 | 08:42:28 | 0.032                     |
| 37         | 09/24/2008 | 08:43:28 | 0.032                     |
| 38         | 09/24/2008 | 08:44:28 | 0.030                     |
| 39         | 09/24/2008 | 08:45:28 | 0.030                     |
| 40         | 09/24/2008 | 08:46:28 | 0.031                     |
| 41         | 09/24/2008 | 08:47:28 | 0.029                     |
| 42         | 09/24/2008 | 08:48:28 | 0.030                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 43         | 09/24/2008 | 08:49:28 | 0.032                     |
| 44         | 09/24/2008 | 08:50:28 | 0.030                     |
| 45         | 09/24/2008 | 08:51:28 | 0.030                     |
| 46         | 09/24/2008 | 08:52:28 | 0.030                     |
| 47         | 09/24/2008 | 08:53:28 | 0.030                     |
| 48         | 09/24/2008 | 08:54:28 | 0.030                     |
| 49         | 09/24/2008 | 08:55:28 | 0.030                     |
| 50         | 09/24/2008 | 08:56:28 | 0.029                     |
| 51         | 09/24/2008 | 08:57:28 | 0.031                     |
| 52         | 09/24/2008 | 08:58:28 | 0.038                     |
| 53         | 09/24/2008 | 08:59:28 | 0.033                     |
| 54         | 09/24/2008 | 09:00:28 | 0.032                     |
| 55         | 09/24/2008 | 09:01:28 | 0.033                     |
| 56         | 09/24/2008 | 09:02:28 | 0.029                     |
| 57         | 09/24/2008 | 09:03:28 | 0.029                     |
| 58         | 09/24/2008 | 09:04:28 | 0.028                     |
| 59         | 09/24/2008 | 09:05:28 | 0.031                     |
| 60         | 09/24/2008 | 09:06:28 | 0.031                     |
| 61         | 09/24/2008 | 09:07:28 | 0.029                     |
| 62         | 09/24/2008 | 09:08:28 | 0.028                     |
| 63         | 09/24/2008 | 09:09:28 | 0.030                     |
| 64         | 09/24/2008 | 09:10:28 | 0.029                     |
| 65         | 09/24/2008 | 09:11:28 | 0.030                     |
| 66         | 09/24/2008 | 09:12:28 | 0.030                     |
| 67         | 09/24/2008 | 09:13:28 | 0.030                     |
| 68         | 09/24/2008 | 09:14:28 | 0.030                     |
| 69         | 09/24/2008 | 09:15:28 | 0.030                     |
| 70         | 09/24/2008 | 09:16:28 | 0.030                     |
| 71         | 09/24/2008 | 09:17:28 | 0.031                     |
| 72         | 09/24/2008 | 09:18:28 | 0.030                     |
| 73         | 09/24/2008 | 09:19:28 | 0.029                     |
| 74         | 09/24/2008 | 09:20:28 | 0.030                     |
| 75         | 09/24/2008 | 09:21:28 | 0.026                     |
| 76         | 09/24/2008 | 09:22:28 | 0.029                     |

# Test 003

MW-7 upwind

| Instrument |           | Data Properties  |            |
|------------|-----------|------------------|------------|
| Model      | Dust Trak | Start Date       | 09/24/2008 |
| Meter S/N  | 16449     | Start Time       | 11:09:16   |
|            |           | Stop Date        | 09/24/2008 |
|            |           | Stop Time        | 15:32:16   |
|            |           | Total Time       | 0:04:23:00 |
|            |           | Logging Interval | 60 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 09/24/2008 | 11:10:16 | 0.038                     |
| 2          | 09/24/2008 | 11:11:16 | 0.029                     |
| 3          | 09/24/2008 | 11:12:16 | 0.026                     |
| 4          | 09/24/2008 | 11:13:16 | 0.026                     |
| 5          | 09/24/2008 | 11:14:16 | 0.025                     |
| 6          | 09/24/2008 | 11:15:16 | 0.043                     |
| 7          | 09/24/2008 | 11:16:16 | 0.028                     |
| 8          | 09/24/2008 | 11:17:16 | 0.023                     |
| 9          | 09/24/2008 | 11:18:16 | 0.025                     |
| 10         | 09/24/2008 | 11:19:16 | 0.024                     |
| 11         | 09/24/2008 | 11:20:16 | 0.027                     |
| 12         | 09/24/2008 | 11:21:16 | 0.027                     |
| 13         | 09/24/2008 | 11:22:16 | 0.025                     |
| 14         | 09/24/2008 | 11:23:16 | 0.026                     |
| 15         | 09/24/2008 | 11:24:16 | 0.028                     |
| 16         | 09/24/2008 | 11:25:16 | 0.025                     |
| 17         | 09/24/2008 | 11:26:16 | 0.033                     |
| 18         | 09/24/2008 | 11:27:16 | 0.064                     |
| 19         | 09/24/2008 | 11:28:16 | 0.041                     |
| 20         | 09/24/2008 | 11:29:16 | 0.029                     |
| 21         | 09/24/2008 | 11:30:16 | 0.026                     |
| 22         | 09/24/2008 | 11:31:16 | 0.024                     |
| 23         | 09/24/2008 | 11:32:16 | 0.087                     |
| 24         | 09/24/2008 | 11:33:16 | 0.035                     |
| 25         | 09/24/2008 | 11:34:16 | 0.028                     |
| 26         | 09/24/2008 | 11:35:16 | 0.025                     |
| 27         | 09/24/2008 | 11:36:16 | 0.022                     |
| 28         | 09/24/2008 | 11:37:16 | 0.023                     |
| 29         | 09/24/2008 | 11:38:16 | 0.021                     |
| 30         | 09/24/2008 | 11:39:16 | 0.029                     |
| 31         | 09/24/2008 | 11:40:16 | 0.025                     |
| 32         | 09/24/2008 | 11:41:16 | 0.026                     |
| 33         | 09/24/2008 | 11:42:16 | 0.023                     |
| 34         | 09/24/2008 | 11:43:16 | 0.022                     |
| 35         | 09/24/2008 | 11:44:16 | 0.041                     |
| 36         | 09/24/2008 | 11:45:16 | 0.043                     |
| 37         | 09/24/2008 | 11:46:16 | 0.034                     |
| 38         | 09/24/2008 | 11:47:16 | 0.034                     |
| 39         | 09/24/2008 | 11:48:16 | 0.023                     |
| 40         | 09/24/2008 | 11:49:16 | 0.023                     |
| 41         | 09/24/2008 | 11:50:16 | 0.025                     |
| 42         | 09/24/2008 | 11:51:16 | 0.215                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 43         | 09/24/2008 | 11:52:16 | 0.028                     |
| 44         | 09/24/2008 | 11:53:16 | 0.024                     |
| 45         | 09/24/2008 | 11:54:16 | 0.023                     |
| 46         | 09/24/2008 | 11:55:16 | 0.025                     |
| 47         | 09/24/2008 | 11:56:16 | 0.023                     |
| 48         | 09/24/2008 | 11:57:16 | 0.026                     |
| 49         | 09/24/2008 | 11:58:16 | 0.025                     |
| 50         | 09/24/2008 | 11:59:16 | 0.025                     |
| 51         | 09/24/2008 | 12:00:16 | 0.025                     |
| 52         | 09/24/2008 | 12:01:16 | 0.026                     |
| 53         | 09/24/2008 | 12:02:16 | 0.026                     |
| 54         | 09/24/2008 | 12:03:16 | 0.031                     |
| 55         | 09/24/2008 | 12:04:16 | 0.028                     |
| 56         | 09/24/2008 | 12:05:16 | 0.029                     |
| 57         | 09/24/2008 | 12:06:16 | 0.031                     |
| 58         | 09/24/2008 | 12:07:16 | 0.027                     |
| 59         | 09/24/2008 | 12:08:16 | 0.034                     |
| 60         | 09/24/2008 | 12:09:16 | 0.029                     |
| 61         | 09/24/2008 | 12:10:16 | 0.032                     |
| 62         | 09/24/2008 | 12:11:16 | 0.039                     |
| 63         | 09/24/2008 | 12:12:16 | 0.026                     |
| 64         | 09/24/2008 | 12:13:16 | 0.026                     |
| 65         | 09/24/2008 | 12:14:16 | 0.031                     |
| 66         | 09/24/2008 | 12:15:16 | 0.034                     |
| 67         | 09/24/2008 | 12:16:16 | 0.066                     |
| 68         | 09/24/2008 | 12:17:16 | 0.043                     |
| 69         | 09/24/2008 | 12:18:16 | 0.033                     |
| 70         | 09/24/2008 | 12:19:16 | 0.038                     |
| 71         | 09/24/2008 | 12:20:16 | 0.030                     |
| 72         | 09/24/2008 | 12:21:16 | 0.125                     |
| 73         | 09/24/2008 | 12:22:16 | 0.041                     |
| 74         | 09/24/2008 | 12:23:16 | 0.027                     |
| 75         | 09/24/2008 | 12:24:16 | 0.039                     |
| 76         | 09/24/2008 | 12:25:16 | 0.027                     |
| 77         | 09/24/2008 | 12:26:16 | 0.026                     |
| 78         | 09/24/2008 | 12:27:16 | 0.049                     |
| 79         | 09/24/2008 | 12:28:16 | 0.031                     |
| 80         | 09/24/2008 | 12:29:16 | 0.027                     |
| 81         | 09/24/2008 | 12:30:16 | 0.028                     |
| 82         | 09/24/2008 | 12:31:16 | 0.036                     |
| 83         | 09/24/2008 | 12:32:16 | 0.033                     |
| 84         | 09/24/2008 | 12:33:16 | 0.032                     |
| 85         | 09/24/2008 | 12:34:16 | 0.029                     |
| 86         | 09/24/2008 | 12:35:16 | 0.028                     |
| 87         | 09/24/2008 | 12:36:16 | 0.027                     |
| 88         | 09/24/2008 | 12:37:16 | 0.026                     |
| 89         | 09/24/2008 | 12:38:16 | 0.118                     |
| 90         | 09/24/2008 | 12:39:16 | 0.036                     |
| 91         | 09/24/2008 | 12:40:16 | 0.029                     |
| 92         | 09/24/2008 | 12:41:16 | 0.030                     |
| 93         | 09/24/2008 | 12:42:16 | 0.028                     |
| 94         | 09/24/2008 | 12:43:16 | 0.034                     |
| 95         | 09/24/2008 | 12:44:16 | 0.031                     |
| 96         | 09/24/2008 | 12:45:16 | 0.028                     |
| 97         | 09/24/2008 | 12:46:16 | 0.032                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 98         | 09/24/2008 | 12:47:16 | 0.035                     |
| 99         | 09/24/2008 | 12:48:16 | 0.029                     |
| 100        | 09/24/2008 | 12:49:16 | 0.030                     |
| 101        | 09/24/2008 | 12:50:16 | 0.030                     |
| 102        | 09/24/2008 | 12:51:16 | 0.031                     |
| 103        | 09/24/2008 | 12:52:16 | 0.029                     |
| 104        | 09/24/2008 | 12:53:16 | 0.032                     |
| 105        | 09/24/2008 | 12:54:16 | 0.031                     |
| 106        | 09/24/2008 | 12:55:16 | 0.033                     |
| 107        | 09/24/2008 | 12:56:16 | 0.033                     |
| 108        | 09/24/2008 | 12:57:16 | 0.032                     |
| 109        | 09/24/2008 | 12:58:16 | 0.031                     |
| 110        | 09/24/2008 | 12:59:16 | 0.032                     |
| 111        | 09/24/2008 | 13:00:16 | 0.031                     |
| 112        | 09/24/2008 | 13:01:16 | 0.034                     |
| 113        | 09/24/2008 | 13:02:16 | 0.036                     |
| 114        | 09/24/2008 | 13:03:16 | 0.081                     |
| 115        | 09/24/2008 | 13:04:16 | 0.034                     |
| 116        | 09/24/2008 | 13:05:16 | 0.036                     |
| 117        | 09/24/2008 | 13:06:16 | 0.034                     |
| 118        | 09/24/2008 | 13:07:16 | 0.035                     |
| 119        | 09/24/2008 | 13:08:16 | 0.034                     |
| 120        | 09/24/2008 | 13:09:16 | 0.067                     |
| 121        | 09/24/2008 | 13:10:16 | 0.039                     |
| 122        | 09/24/2008 | 13:11:16 | 0.042                     |
| 123        | 09/24/2008 | 13:12:16 | 0.036                     |
| 124        | 09/24/2008 | 13:13:16 | 0.049                     |
| 125        | 09/24/2008 | 13:14:16 | 0.040                     |
| 126        | 09/24/2008 | 13:15:16 | 0.036                     |
| 127        | 09/24/2008 | 13:16:16 | 0.034                     |
| 128        | 09/24/2008 | 13:17:16 | 0.033                     |
| 129        | 09/24/2008 | 13:18:16 | 0.035                     |
| 130        | 09/24/2008 | 13:19:16 | 0.033                     |
| 131        | 09/24/2008 | 13:20:16 | 0.032                     |
| 132        | 09/24/2008 | 13:21:16 | 0.030                     |
| 133        | 09/24/2008 | 13:22:16 | 0.037                     |
| 134        | 09/24/2008 | 13:23:16 | 0.045                     |
| 135        | 09/24/2008 | 13:24:16 | 0.039                     |
| 136        | 09/24/2008 | 13:25:16 | 0.040                     |
| 137        | 09/24/2008 | 13:26:16 | 0.046                     |
| 138        | 09/24/2008 | 13:27:16 | 0.038                     |
| 139        | 09/24/2008 | 13:28:16 | 0.038                     |
| 140        | 09/24/2008 | 13:29:16 | 0.036                     |
| 141        | 09/24/2008 | 13:30:16 | 0.035                     |
| 142        | 09/24/2008 | 13:31:16 | 0.039                     |
| 143        | 09/24/2008 | 13:32:16 | 0.066                     |
| 144        | 09/24/2008 | 13:33:16 | 0.073                     |
| 145        | 09/24/2008 | 13:34:16 | 0.056                     |
| 146        | 09/24/2008 | 13:35:16 | 0.045                     |
| 147        | 09/24/2008 | 13:36:16 | 0.038                     |
| 148        | 09/24/2008 | 13:37:16 | 0.040                     |
| 149        | 09/24/2008 | 13:38:16 | 0.040                     |
| 150        | 09/24/2008 | 13:39:16 | 0.042                     |
| 151        | 09/24/2008 | 13:40:16 | 0.040                     |
| 152        | 09/24/2008 | 13:41:16 | 0.039                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 153        | 09/24/2008 | 13:42:16 | 0.040                     |
| 154        | 09/24/2008 | 13:43:16 | 0.084                     |
| 155        | 09/24/2008 | 13:44:16 | 0.077                     |
| 156        | 09/24/2008 | 13:45:16 | 0.064                     |
| 157        | 09/24/2008 | 13:46:16 | 0.037                     |
| 158        | 09/24/2008 | 13:47:16 | 0.037                     |
| 159        | 09/24/2008 | 13:48:16 | 0.039                     |
| 160        | 09/24/2008 | 13:49:16 | 0.039                     |
| 161        | 09/24/2008 | 13:50:16 | 0.042                     |
| 162        | 09/24/2008 | 13:51:16 | 0.043                     |
| 163        | 09/24/2008 | 13:52:16 | 0.044                     |
| 164        | 09/24/2008 | 13:53:16 | 0.044                     |
| 165        | 09/24/2008 | 13:54:16 | 0.042                     |
| 166        | 09/24/2008 | 13:55:16 | 0.090                     |
| 167        | 09/24/2008 | 13:56:16 | 0.062                     |
| 168        | 09/24/2008 | 13:57:16 | 0.043                     |
| 169        | 09/24/2008 | 13:58:16 | 0.050                     |
| 170        | 09/24/2008 | 13:59:16 | 0.046                     |
| 171        | 09/24/2008 | 14:00:16 | 0.047                     |
| 172        | 09/24/2008 | 14:01:16 | 0.046                     |
| 173        | 09/24/2008 | 14:02:16 | 0.045                     |
| 174        | 09/24/2008 | 14:03:16 | 0.045                     |
| 175        | 09/24/2008 | 14:04:16 | 0.045                     |
| 176        | 09/24/2008 | 14:05:16 | 0.045                     |
| 177        | 09/24/2008 | 14:06:16 | 0.054                     |
| 178        | 09/24/2008 | 14:07:16 | 0.054                     |
| 179        | 09/24/2008 | 14:08:16 | 0.043                     |
| 180        | 09/24/2008 | 14:09:16 | 0.046                     |
| 181        | 09/24/2008 | 14:10:16 | 0.044                     |
| 182        | 09/24/2008 | 14:11:16 | 0.053                     |
| 183        | 09/24/2008 | 14:12:16 | 0.047                     |
| 184        | 09/24/2008 | 14:13:16 | 0.046                     |
| 185        | 09/24/2008 | 14:14:16 | 0.044                     |
| 186        | 09/24/2008 | 14:15:16 | 0.059                     |
| 187        | 09/24/2008 | 14:16:16 | 0.048                     |
| 188        | 09/24/2008 | 14:17:16 | 0.048                     |
| 189        | 09/24/2008 | 14:18:16 | 0.045                     |
| 190        | 09/24/2008 | 14:19:16 | 0.046                     |
| 191        | 09/24/2008 | 14:20:16 | 0.044                     |
| 192        | 09/24/2008 | 14:21:16 | 0.048                     |
| 193        | 09/24/2008 | 14:22:16 | 0.045                     |
| 194        | 09/24/2008 | 14:23:16 | 0.047                     |
| 195        | 09/24/2008 | 14:24:16 | 0.045                     |
| 196        | 09/24/2008 | 14:25:16 | 0.045                     |
| 197        | 09/24/2008 | 14:26:16 | 0.059                     |
| 198        | 09/24/2008 | 14:27:16 | 0.070                     |
| 199        | 09/24/2008 | 14:28:16 | 0.100                     |
| 200        | 09/24/2008 | 14:29:16 | 0.046                     |
| 201        | 09/24/2008 | 14:30:16 | 0.047                     |
| 202        | 09/24/2008 | 14:31:16 | 0.047                     |
| 203        | 09/24/2008 | 14:32:16 | 0.046                     |
| 204        | 09/24/2008 | 14:33:16 | 0.045                     |
| 205        | 09/24/2008 | 14:34:16 | 0.045                     |
| 206        | 09/24/2008 | 14:35:16 | 0.047                     |
| 207        | 09/24/2008 | 14:36:16 | 0.054                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 208        | 09/24/2008 | 14:37:16 | 0.048                     |
| 209        | 09/24/2008 | 14:38:16 | 0.093                     |
| 210        | 09/24/2008 | 14:39:16 | 0.059                     |
| 211        | 09/24/2008 | 14:40:16 | 0.050                     |
| 212        | 09/24/2008 | 14:41:16 | 0.047                     |
| 213        | 09/24/2008 | 14:42:16 | 0.049                     |
| 214        | 09/24/2008 | 14:43:16 | 0.149                     |
| 215        | 09/24/2008 | 14:44:16 | 0.049                     |
| 216        | 09/24/2008 | 14:45:16 | 0.049                     |
| 217        | 09/24/2008 | 14:46:16 | 0.047                     |
| 218        | 09/24/2008 | 14:47:16 | 0.055                     |
| 219        | 09/24/2008 | 14:48:16 | 0.049                     |
| 220        | 09/24/2008 | 14:49:16 | 0.056                     |
| 221        | 09/24/2008 | 14:50:16 | 0.063                     |
| 222        | 09/24/2008 | 14:51:16 | 0.057                     |
| 223        | 09/24/2008 | 14:52:16 | 0.054                     |
| 224        | 09/24/2008 | 14:53:16 | 0.067                     |
| 225        | 09/24/2008 | 14:54:16 | 0.049                     |
| 226        | 09/24/2008 | 14:55:16 | 0.051                     |
| 227        | 09/24/2008 | 14:56:16 | 0.073                     |
| 228        | 09/24/2008 | 14:57:16 | 0.054                     |
| 229        | 09/24/2008 | 14:58:16 | 0.052                     |
| 230        | 09/24/2008 | 14:59:16 | 0.052                     |
| 231        | 09/24/2008 | 15:00:16 | 0.048                     |
| 232        | 09/24/2008 | 15:01:16 | 0.048                     |
| 233        | 09/24/2008 | 15:02:16 | 0.048                     |
| 234        | 09/24/2008 | 15:03:16 | 0.047                     |
| 235        | 09/24/2008 | 15:04:16 | 0.115                     |
| 236        | 09/24/2008 | 15:05:16 | 0.066                     |
| 237        | 09/24/2008 | 15:06:16 | 0.052                     |
| 238        | 09/24/2008 | 15:07:16 | 0.051                     |
| 239        | 09/24/2008 | 15:08:16 | 0.049                     |
| 240        | 09/24/2008 | 15:09:16 | 0.048                     |
| 241        | 09/24/2008 | 15:10:16 | 0.049                     |
| 242        | 09/24/2008 | 15:11:16 | 0.062                     |
| 243        | 09/24/2008 | 15:12:16 | 0.090                     |
| 244        | 09/24/2008 | 15:13:16 | 0.055                     |
| 245        | 09/24/2008 | 15:14:16 | 0.049                     |
| 246        | 09/24/2008 | 15:15:16 | 0.064                     |
| 247        | 09/24/2008 | 15:16:16 | 0.050                     |
| 248        | 09/24/2008 | 15:17:16 | 0.048                     |
| 249        | 09/24/2008 | 15:18:16 | 0.047                     |
| 250        | 09/24/2008 | 15:19:16 | 0.048                     |
| 251        | 09/24/2008 | 15:20:16 | 0.049                     |
| 252        | 09/24/2008 | 15:21:16 | 0.150                     |
| 253        | 09/24/2008 | 15:22:16 | 0.049                     |
| 254        | 09/24/2008 | 15:23:16 | 0.047                     |
| 255        | 09/24/2008 | 15:24:16 | 0.049                     |
| 256        | 09/24/2008 | 15:25:16 | 0.066                     |
| 257        | 09/24/2008 | 15:26:16 | 0.077                     |
| 258        | 09/24/2008 | 15:27:16 | 0.080                     |
| 259        | 09/24/2008 | 15:28:16 | 0.055                     |
| 260        | 09/24/2008 | 15:29:16 | 0.052                     |
| 261        | 09/24/2008 | 15:30:16 | 0.051                     |
| 262        | 09/24/2008 | 15:31:16 | 0.050                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 263        | 09/24/2008 | 15:32:16 | 0.050                     |



# Test 001

TB-04/ MW-8 Downwind

| Instrument |           | Data Properties  |            |
|------------|-----------|------------------|------------|
| Model      | Dust Trak | Start Date       | 09/24/2008 |
| Meter S/N  | 85202283  | Start Time       | 11:04:20   |
|            |           | Stop Date        | 09/24/2008 |
|            |           | Stop Time        | 15:38:20   |
|            |           | Total Time       | 0:04:34:00 |
|            |           | Logging Interval | 60 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 09/24/2008 | 11:05:20 | 0.009                     |
| 2          | 09/24/2008 | 11:06:20 | 0.011                     |
| 3          | 09/24/2008 | 11:07:20 | 0.009                     |
| 4          | 09/24/2008 | 11:08:20 | 1.442                     |
| 5          | 09/24/2008 | 11:09:20 | 0.937                     |
| 6          | 09/24/2008 | 11:10:20 | 0.324                     |
| 7          | 09/24/2008 | 11:11:20 | 0.297                     |
| 8          | 09/24/2008 | 11:12:20 | 0.032                     |
| 9          | 09/24/2008 | 11:13:20 | 0.017                     |
| 10         | 09/24/2008 | 11:14:20 | 1.046                     |
| 11         | 09/24/2008 | 11:15:20 | 0.075                     |
| 12         | 09/24/2008 | 11:16:20 | 0.032                     |
| 13         | 09/24/2008 | 11:17:20 | 0.013                     |
| 14         | 09/24/2008 | 11:18:20 | 0.014                     |
| 15         | 09/24/2008 | 11:19:20 | 0.012                     |
| 16         | 09/24/2008 | 11:20:20 | 0.017                     |
| 17         | 09/24/2008 | 11:21:20 | 0.015                     |
| 18         | 09/24/2008 | 11:22:20 | 0.019                     |
| 19         | 09/24/2008 | 11:23:20 | 0.010                     |
| 20         | 09/24/2008 | 11:24:20 | 0.011                     |
| 21         | 09/24/2008 | 11:25:20 | 0.023                     |
| 22         | 09/24/2008 | 11:26:20 | 0.020                     |
| 23         | 09/24/2008 | 11:27:20 | 0.015                     |
| 24         | 09/24/2008 | 11:28:20 | 0.011                     |
| 25         | 09/24/2008 | 11:29:20 | 0.012                     |
| 26         | 09/24/2008 | 11:30:20 | 0.013                     |
| 27         | 09/24/2008 | 11:31:20 | 0.012                     |
| 28         | 09/24/2008 | 11:32:20 | 0.012                     |
| 29         | 09/24/2008 | 11:33:20 | 0.014                     |
| 30         | 09/24/2008 | 11:34:20 | 0.011                     |
| 31         | 09/24/2008 | 11:35:20 | 0.008                     |
| 32         | 09/24/2008 | 11:36:20 | 0.011                     |
| 33         | 09/24/2008 | 11:37:20 | 0.026                     |
| 34         | 09/24/2008 | 11:38:20 | 0.012                     |
| 35         | 09/24/2008 | 11:39:20 | 0.010                     |
| 36         | 09/24/2008 | 11:40:20 | 0.009                     |
| 37         | 09/24/2008 | 11:41:20 | 0.010                     |
| 38         | 09/24/2008 | 11:42:20 | 0.014                     |
| 39         | 09/24/2008 | 11:43:20 | 0.016                     |
| 40         | 09/24/2008 | 11:44:20 | 0.016                     |
| 41         | 09/24/2008 | 11:45:20 | 0.014                     |
| 42         | 09/24/2008 | 11:46:20 | 0.010                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 43         | 09/24/2008 | 11:47:20 | 0.009                     |
| 44         | 09/24/2008 | 11:48:20 | 0.018                     |
| 45         | 09/24/2008 | 11:49:20 | 0.012                     |
| 46         | 09/24/2008 | 11:50:20 | 0.009                     |
| 47         | 09/24/2008 | 11:51:20 | 0.010                     |
| 48         | 09/24/2008 | 11:52:20 | 0.010                     |
| 49         | 09/24/2008 | 11:53:20 | 0.010                     |
| 50         | 09/24/2008 | 11:54:20 | 0.010                     |
| 51         | 09/24/2008 | 11:55:20 | 0.010                     |
| 52         | 09/24/2008 | 11:56:20 | 0.016                     |
| 53         | 09/24/2008 | 11:57:20 | 0.013                     |
| 54         | 09/24/2008 | 11:58:20 | 0.016                     |
| 55         | 09/24/2008 | 11:59:20 | 0.022                     |
| 56         | 09/24/2008 | 12:00:20 | 0.022                     |
| 57         | 09/24/2008 | 12:01:20 | 0.025                     |
| 58         | 09/24/2008 | 12:02:20 | 0.012                     |
| 59         | 09/24/2008 | 12:03:20 | 0.012                     |
| 60         | 09/24/2008 | 12:04:20 | 0.012                     |
| 61         | 09/24/2008 | 12:05:20 | 0.018                     |
| 62         | 09/24/2008 | 12:06:20 | 0.020                     |
| 63         | 09/24/2008 | 12:07:20 | 0.013                     |
| 64         | 09/24/2008 | 12:08:20 | 0.017                     |
| 65         | 09/24/2008 | 12:09:20 | 0.011                     |
| 66         | 09/24/2008 | 12:10:20 | 0.013                     |
| 67         | 09/24/2008 | 12:11:20 | 0.011                     |
| 68         | 09/24/2008 | 12:12:20 | 0.011                     |
| 69         | 09/24/2008 | 12:13:20 | 0.015                     |
| 70         | 09/24/2008 | 12:14:20 | 0.012                     |
| 71         | 09/24/2008 | 12:15:20 | 0.015                     |
| 72         | 09/24/2008 | 12:16:20 | 0.018                     |
| 73         | 09/24/2008 | 12:17:20 | 0.011                     |
| 74         | 09/24/2008 | 12:18:20 | 0.010                     |
| 75         | 09/24/2008 | 12:19:20 | 0.012                     |
| 76         | 09/24/2008 | 12:20:20 | 0.013                     |
| 77         | 09/24/2008 | 12:21:20 | 0.011                     |
| 78         | 09/24/2008 | 12:22:20 | 0.013                     |
| 79         | 09/24/2008 | 12:23:20 | 0.013                     |
| 80         | 09/24/2008 | 12:24:20 | 0.012                     |
| 81         | 09/24/2008 | 12:25:20 | 0.013                     |
| 82         | 09/24/2008 | 12:26:20 | 0.011                     |
| 83         | 09/24/2008 | 12:27:20 | 0.020                     |
| 84         | 09/24/2008 | 12:28:20 | 0.012                     |
| 85         | 09/24/2008 | 12:29:20 | 0.015                     |
| 86         | 09/24/2008 | 12:30:20 | 0.015                     |
| 87         | 09/24/2008 | 12:31:20 | 0.012                     |
| 88         | 09/24/2008 | 12:32:20 | 0.012                     |
| 89         | 09/24/2008 | 12:33:20 | 0.011                     |
| 90         | 09/24/2008 | 12:34:20 | 0.014                     |
| 91         | 09/24/2008 | 12:35:20 | 0.013                     |
| 92         | 09/24/2008 | 12:36:20 | 0.012                     |
| 93         | 09/24/2008 | 12:37:20 | 0.015                     |
| 94         | 09/24/2008 | 12:38:20 | 0.013                     |
| 95         | 09/24/2008 | 12:39:20 | 0.013                     |
| 96         | 09/24/2008 | 12:40:20 | 0.014                     |
| 97         | 09/24/2008 | 12:41:20 | 0.012                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 98         | 09/24/2008 | 12:42:20 | 0.011                     |
| 99         | 09/24/2008 | 12:43:20 | 0.012                     |
| 100        | 09/24/2008 | 12:44:20 | 0.012                     |
| 101        | 09/24/2008 | 12:45:20 | 0.018                     |
| 102        | 09/24/2008 | 12:46:20 | 0.011                     |
| 103        | 09/24/2008 | 12:47:20 | 0.011                     |
| 104        | 09/24/2008 | 12:48:20 | 0.012                     |
| 105        | 09/24/2008 | 12:49:20 | 0.012                     |
| 106        | 09/24/2008 | 12:50:20 | 0.017                     |
| 107        | 09/24/2008 | 12:51:20 | 0.018                     |
| 108        | 09/24/2008 | 12:52:20 | 0.019                     |
| 109        | 09/24/2008 | 12:53:20 | 0.016                     |
| 110        | 09/24/2008 | 12:54:20 | 0.013                     |
| 111        | 09/24/2008 | 12:55:20 | 0.013                     |
| 112        | 09/24/2008 | 12:56:20 | 0.012                     |
| 113        | 09/24/2008 | 12:57:20 | 0.012                     |
| 114        | 09/24/2008 | 12:58:20 | 0.012                     |
| 115        | 09/24/2008 | 12:59:20 | 0.017                     |
| 116        | 09/24/2008 | 13:00:20 | 0.016                     |
| 117        | 09/24/2008 | 13:01:20 | 0.014                     |
| 118        | 09/24/2008 | 13:02:20 | 0.013                     |
| 119        | 09/24/2008 | 13:03:20 | 0.013                     |
| 120        | 09/24/2008 | 13:04:20 | 0.014                     |
| 121        | 09/24/2008 | 13:05:20 | 0.015                     |
| 122        | 09/24/2008 | 13:06:20 | 0.029                     |
| 123        | 09/24/2008 | 13:07:20 | 0.015                     |
| 124        | 09/24/2008 | 13:08:20 | 0.034                     |
| 125        | 09/24/2008 | 13:09:20 | 0.021                     |
| 126        | 09/24/2008 | 13:10:20 | 0.026                     |
| 127        | 09/24/2008 | 13:11:20 | 0.022                     |
| 128        | 09/24/2008 | 13:12:20 | 0.019                     |
| 129        | 09/24/2008 | 13:13:20 | 0.018                     |
| 130        | 09/24/2008 | 13:14:20 | 0.019                     |
| 131        | 09/24/2008 | 13:15:20 | 0.015                     |
| 132        | 09/24/2008 | 13:16:20 | 0.013                     |
| 133        | 09/24/2008 | 13:17:20 | 0.015                     |
| 134        | 09/24/2008 | 13:18:20 | 0.013                     |
| 135        | 09/24/2008 | 13:19:20 | 0.014                     |
| 136        | 09/24/2008 | 13:20:20 | 0.015                     |
| 137        | 09/24/2008 | 13:21:20 | 0.017                     |
| 138        | 09/24/2008 | 13:22:20 | 0.016                     |
| 139        | 09/24/2008 | 13:23:20 | 0.019                     |
| 140        | 09/24/2008 | 13:24:20 | 0.019                     |
| 141        | 09/24/2008 | 13:25:20 | 0.015                     |
| 142        | 09/24/2008 | 13:26:20 | 0.015                     |
| 143        | 09/24/2008 | 13:27:20 | 0.015                     |
| 144        | 09/24/2008 | 13:28:20 | 0.015                     |
| 145        | 09/24/2008 | 13:29:20 | 0.017                     |
| 146        | 09/24/2008 | 13:30:20 | 0.016                     |
| 147        | 09/24/2008 | 13:31:20 | 0.017                     |
| 148        | 09/24/2008 | 13:32:20 | 0.018                     |
| 149        | 09/24/2008 | 13:33:20 | 0.018                     |
| 150        | 09/24/2008 | 13:34:20 | 0.016                     |
| 151        | 09/24/2008 | 13:35:20 | 0.021                     |
| 152        | 09/24/2008 | 13:36:20 | 0.016                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 153        | 09/24/2008 | 13:37:20 | 0.016                     |
| 154        | 09/24/2008 | 13:38:20 | 0.017                     |
| 155        | 09/24/2008 | 13:39:20 | 0.016                     |
| 156        | 09/24/2008 | 13:40:20 | 0.017                     |
| 157        | 09/24/2008 | 13:41:20 | 0.016                     |
| 158        | 09/24/2008 | 13:42:20 | 0.017                     |
| 159        | 09/24/2008 | 13:43:20 | 0.017                     |
| 160        | 09/24/2008 | 13:44:20 | 0.016                     |
| 161        | 09/24/2008 | 13:45:20 | 0.016                     |
| 162        | 09/24/2008 | 13:46:20 | 0.016                     |
| 163        | 09/24/2008 | 13:47:20 | 0.016                     |
| 164        | 09/24/2008 | 13:48:20 | 0.017                     |
| 165        | 09/24/2008 | 13:49:20 | 0.017                     |
| 166        | 09/24/2008 | 13:50:20 | 0.017                     |
| 167        | 09/24/2008 | 13:51:20 | 0.018                     |
| 168        | 09/24/2008 | 13:52:20 | 0.017                     |
| 169        | 09/24/2008 | 13:53:20 | 0.018                     |
| 170        | 09/24/2008 | 13:54:20 | 0.018                     |
| 171        | 09/24/2008 | 13:55:20 | 0.018                     |
| 172        | 09/24/2008 | 13:56:20 | 0.018                     |
| 173        | 09/24/2008 | 13:57:20 | 0.018                     |
| 174        | 09/24/2008 | 13:58:20 | 0.018                     |
| 175        | 09/24/2008 | 13:59:20 | 0.018                     |
| 176        | 09/24/2008 | 14:00:20 | 0.019                     |
| 177        | 09/24/2008 | 14:01:20 | 0.018                     |
| 178        | 09/24/2008 | 14:02:20 | 0.018                     |
| 179        | 09/24/2008 | 14:03:20 | 0.018                     |
| 180        | 09/24/2008 | 14:04:20 | 0.019                     |
| 181        | 09/24/2008 | 14:05:20 | 0.017                     |
| 182        | 09/24/2008 | 14:06:20 | 0.017                     |
| 183        | 09/24/2008 | 14:07:20 | 0.018                     |
| 184        | 09/24/2008 | 14:08:20 | 0.020                     |
| 185        | 09/24/2008 | 14:09:20 | 0.020                     |
| 186        | 09/24/2008 | 14:10:20 | 0.018                     |
| 187        | 09/24/2008 | 14:11:20 | 0.018                     |
| 188        | 09/24/2008 | 14:12:20 | 0.018                     |
| 189        | 09/24/2008 | 14:13:20 | 0.019                     |
| 190        | 09/24/2008 | 14:14:20 | 0.018                     |
| 191        | 09/24/2008 | 14:15:20 | 0.018                     |
| 192        | 09/24/2008 | 14:16:20 | 0.018                     |
| 193        | 09/24/2008 | 14:17:20 | 0.018                     |
| 194        | 09/24/2008 | 14:18:20 | 0.018                     |
| 195        | 09/24/2008 | 14:19:20 | 0.018                     |
| 196        | 09/24/2008 | 14:20:20 | 0.017                     |
| 197        | 09/24/2008 | 14:21:20 | 0.018                     |
| 198        | 09/24/2008 | 14:22:20 | 0.018                     |
| 199        | 09/24/2008 | 14:23:20 | 0.018                     |
| 200        | 09/24/2008 | 14:24:20 | 0.018                     |
| 201        | 09/24/2008 | 14:25:20 | 0.018                     |
| 202        | 09/24/2008 | 14:26:20 | 0.018                     |
| 203        | 09/24/2008 | 14:27:20 | 0.018                     |
| 204        | 09/24/2008 | 14:28:20 | 0.018                     |
| 205        | 09/24/2008 | 14:29:20 | 0.019                     |
| 206        | 09/24/2008 | 14:30:20 | 0.018                     |
| 207        | 09/24/2008 | 14:31:20 | 0.018                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 208        | 09/24/2008 | 14:32:20 | 0.017                     |
| 209        | 09/24/2008 | 14:33:20 | 0.018                     |
| 210        | 09/24/2008 | 14:34:20 | 0.018                     |
| 211        | 09/24/2008 | 14:35:20 | 0.018                     |
| 212        | 09/24/2008 | 14:36:20 | 0.018                     |
| 213        | 09/24/2008 | 14:37:20 | 0.018                     |
| 214        | 09/24/2008 | 14:38:20 | 0.018                     |
| 215        | 09/24/2008 | 14:39:20 | 0.018                     |
| 216        | 09/24/2008 | 14:40:20 | 0.019                     |
| 217        | 09/24/2008 | 14:41:20 | 0.019                     |
| 218        | 09/24/2008 | 14:42:20 | 0.019                     |
| 219        | 09/24/2008 | 14:43:20 | 0.018                     |
| 220        | 09/24/2008 | 14:44:20 | 0.019                     |
| 221        | 09/24/2008 | 14:45:20 | 0.019                     |
| 222        | 09/24/2008 | 14:46:20 | 0.020                     |
| 223        | 09/24/2008 | 14:47:20 | 0.019                     |
| 224        | 09/24/2008 | 14:48:20 | 0.019                     |
| 225        | 09/24/2008 | 14:49:20 | 0.020                     |
| 226        | 09/24/2008 | 14:50:20 | 0.018                     |
| 227        | 09/24/2008 | 14:51:20 | 0.021                     |
| 228        | 09/24/2008 | 14:52:20 | 0.019                     |
| 229        | 09/24/2008 | 14:53:20 | 0.024                     |
| 230        | 09/24/2008 | 14:54:20 | 0.021                     |
| 231        | 09/24/2008 | 14:55:20 | 0.022                     |
| 232        | 09/24/2008 | 14:56:20 | 0.019                     |
| 233        | 09/24/2008 | 14:57:20 | 0.020                     |
| 234        | 09/24/2008 | 14:58:20 | 0.018                     |
| 235        | 09/24/2008 | 14:59:20 | 0.021                     |
| 236        | 09/24/2008 | 15:00:20 | 0.021                     |
| 237        | 09/24/2008 | 15:01:20 | 0.019                     |
| 238        | 09/24/2008 | 15:02:20 | 0.019                     |
| 239        | 09/24/2008 | 15:03:20 | 0.018                     |
| 240        | 09/24/2008 | 15:04:20 | 0.018                     |
| 241        | 09/24/2008 | 15:05:20 | 0.018                     |
| 242        | 09/24/2008 | 15:06:20 | 0.019                     |
| 243        | 09/24/2008 | 15:07:20 | 0.018                     |
| 244        | 09/24/2008 | 15:08:20 | 0.019                     |
| 245        | 09/24/2008 | 15:09:20 | 0.021                     |
| 246        | 09/24/2008 | 15:10:20 | 0.023                     |
| 247        | 09/24/2008 | 15:11:20 | 0.023                     |
| 248        | 09/24/2008 | 15:12:20 | 0.025                     |
| 249        | 09/24/2008 | 15:13:20 | 0.024                     |
| 250        | 09/24/2008 | 15:14:20 | 0.018                     |
| 251        | 09/24/2008 | 15:15:20 | 0.019                     |
| 252        | 09/24/2008 | 15:16:20 | 0.018                     |
| 253        | 09/24/2008 | 15:17:20 | 0.018                     |
| 254        | 09/24/2008 | 15:18:20 | 0.018                     |
| 255        | 09/24/2008 | 15:19:20 | 0.018                     |
| 256        | 09/24/2008 | 15:20:20 | 0.018                     |
| 257        | 09/24/2008 | 15:21:20 | 0.019                     |
| 258        | 09/24/2008 | 15:22:20 | 0.018                     |
| 259        | 09/24/2008 | 15:23:20 | 0.018                     |
| 260        | 09/24/2008 | 15:24:20 | 0.019                     |
| 261        | 09/24/2008 | 15:25:20 | 0.018                     |
| 262        | 09/24/2008 | 15:26:20 | 0.019                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 263        | 09/24/2008 | 15:27:20 | 0.020                     |
| 264        | 09/24/2008 | 15:28:20 | 0.021                     |
| 265        | 09/24/2008 | 15:29:20 | 0.018                     |
| 266        | 09/24/2008 | 15:30:20 | 0.019                     |
| 267        | 09/24/2008 | 15:31:20 | 0.018                     |
| 268        | 09/24/2008 | 15:32:20 | 0.018                     |
| 269        | 09/24/2008 | 15:33:20 | 0.018                     |
| 270        | 09/24/2008 | 15:34:20 | 0.019                     |
| 271        | 09/24/2008 | 15:35:20 | 0.018                     |
| 272        | 09/24/2008 | 15:36:20 | 0.018                     |
| 273        | 09/24/2008 | 15:37:20 | 0.019                     |
| 274        | 09/24/2008 | 15:38:20 | 0.018                     |

# Test 001

| Instrument |           | Data Properties  |            |
|------------|-----------|------------------|------------|
| Model      | Dust Trak | Start Date       | 09/25/2008 |
| Meter S/N  | 16449     | Start Time       | 07:53:36   |
|            |           | Stop Date        | 09/25/2008 |
|            |           | Stop Time        | 14:50:10   |
|            |           | Total Time       | 0:06:56:34 |
|            |           | Logging Interval | 1 seconds  |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 09/25/2008 | 07:53:37 | 0.076                     |
| 2          | 09/25/2008 | 07:53:38 | 0.082                     |
| 3          | 09/25/2008 | 07:53:39 | 0.093                     |
| 4          | 09/25/2008 | 07:53:40 | 0.081                     |
| 5          | 09/25/2008 | 07:53:41 | 0.098                     |
| 6          | 09/25/2008 | 07:53:42 | 0.084                     |
| 7          | 09/25/2008 | 07:53:43 | 0.083                     |
| 8          | 09/25/2008 | 07:53:44 | 0.079                     |
| 9          | 09/25/2008 | 07:53:45 | 0.093                     |
| 10         | 09/25/2008 | 07:53:46 | 0.077                     |
| 11         | 09/25/2008 | 07:53:47 | 0.083                     |
| 12         | 09/25/2008 | 07:53:48 | 0.090                     |
| 13         | 09/25/2008 | 07:53:49 | 0.081                     |
| 14         | 09/25/2008 | 07:53:50 | 0.083                     |
| 15         | 09/25/2008 | 07:53:51 | 0.078                     |
| 16         | 09/25/2008 | 07:53:52 | 0.087                     |
| 17         | 09/25/2008 | 07:53:53 | 0.091                     |
| 18         | 09/25/2008 | 07:53:54 | 0.087                     |
| 19         | 09/25/2008 | 07:53:55 | 0.081                     |
| 20         | 09/25/2008 | 07:53:56 | 0.089                     |
| 21         | 09/25/2008 | 07:53:57 | 0.085                     |
| 22         | 09/25/2008 | 07:53:58 | 0.081                     |
| 23         | 09/25/2008 | 07:53:59 | 0.086                     |
| 24         | 09/25/2008 | 07:54:00 | 0.080                     |
| 25         | 09/25/2008 | 07:54:01 | 0.093                     |
| 26         | 09/25/2008 | 07:54:02 | 0.080                     |
| 27         | 09/25/2008 | 07:54:03 | 0.096                     |
| 28         | 09/25/2008 | 07:54:04 | 0.082                     |
| 29         | 09/25/2008 | 07:54:05 | 0.092                     |
| 30         | 09/25/2008 | 07:54:06 | 0.085                     |
| 31         | 09/25/2008 | 07:54:07 | 0.080                     |
| 32         | 09/25/2008 | 07:54:08 | 0.113                     |
| 33         | 09/25/2008 | 07:54:09 | 0.080                     |
| 34         | 09/25/2008 | 07:54:10 | 0.092                     |
| 35         | 09/25/2008 | 07:54:11 | 0.085                     |
| 36         | 09/25/2008 | 07:54:12 | 0.107                     |
| 37         | 09/25/2008 | 07:54:13 | 0.091                     |
| 38         | 09/25/2008 | 07:54:14 | 0.081                     |
| 39         | 09/25/2008 | 07:54:15 | 0.099                     |
| 40         | 09/25/2008 | 07:54:16 | 0.112                     |
| 41         | 09/25/2008 | 07:54:17 | 0.098                     |
| 42         | 09/25/2008 | 07:54:18 | 0.085                     |
| 43         | 09/25/2008 | 07:54:19 | 0.084                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 09/25/2008 | 07:54:20 | 0.156                     |
| 45         | 09/25/2008 | 07:54:21 | 0.082                     |
| 46         | 09/25/2008 | 07:54:22 | 0.100                     |
| 47         | 09/25/2008 | 07:54:23 | 0.084                     |
| 48         | 09/25/2008 | 07:54:24 | 0.135                     |
| 49         | 09/25/2008 | 07:54:25 | 0.085                     |
| 50         | 09/25/2008 | 07:54:26 | 0.088                     |
| 51         | 09/25/2008 | 07:54:27 | 0.083                     |
| 52         | 09/25/2008 | 07:54:28 | 0.086                     |
| 53         | 09/25/2008 | 07:54:29 | 0.088                     |
| 54         | 09/25/2008 | 07:54:30 | 0.081                     |
| 55         | 09/25/2008 | 07:54:31 | 0.086                     |
| 56         | 09/25/2008 | 07:54:32 | 0.085                     |
| 57         | 09/25/2008 | 07:54:33 | 0.087                     |
| 58         | 09/25/2008 | 07:54:34 | 0.091                     |
| 59         | 09/25/2008 | 07:54:35 | 0.085                     |
| 60         | 09/25/2008 | 07:54:36 | 0.085                     |
| 61         | 09/25/2008 | 07:54:37 | 0.082                     |
| 62         | 09/25/2008 | 07:54:38 | 0.096                     |
| 63         | 09/25/2008 | 07:54:39 | 0.086                     |
| 64         | 09/25/2008 | 07:54:40 | 0.120                     |
| 65         | 09/25/2008 | 07:54:41 | 0.088                     |
| 66         | 09/25/2008 | 07:54:42 | 0.080                     |
| 67         | 09/25/2008 | 07:54:43 | 0.080                     |
| 68         | 09/25/2008 | 07:54:44 | 0.146                     |
| 69         | 09/25/2008 | 07:54:45 | 0.093                     |
| 70         | 09/25/2008 | 07:54:46 | 0.083                     |
| 71         | 09/25/2008 | 07:54:47 | 0.107                     |
| 72         | 09/25/2008 | 07:54:48 | 0.088                     |
| 73         | 09/25/2008 | 07:54:49 | 0.082                     |
| 74         | 09/25/2008 | 07:54:50 | 0.086                     |
| 75         | 09/25/2008 | 07:54:51 | 0.093                     |
| 76         | 09/25/2008 | 07:54:52 | 0.091                     |
| 77         | 09/25/2008 | 07:54:53 | 0.095                     |
| 78         | 09/25/2008 | 07:54:54 | 0.093                     |
| 79         | 09/25/2008 | 07:54:55 | 0.118                     |
| 80         | 09/25/2008 | 07:54:56 | 0.086                     |
| 81         | 09/25/2008 | 07:54:57 | 0.087                     |
| 82         | 09/25/2008 | 07:54:58 | 0.084                     |
| 83         | 09/25/2008 | 07:54:59 | 0.083                     |
| 84         | 09/25/2008 | 07:55:00 | 0.083                     |
| 85         | 09/25/2008 | 07:55:01 | 0.083                     |
| 86         | 09/25/2008 | 07:55:02 | 0.093                     |
| 87         | 09/25/2008 | 07:55:03 | 0.083                     |
| 88         | 09/25/2008 | 07:55:04 | 0.086                     |
| 89         | 09/25/2008 | 07:55:05 | 0.094                     |
| 90         | 09/25/2008 | 07:55:06 | 0.088                     |
| 91         | 09/25/2008 | 07:55:07 | 0.083                     |
| 92         | 09/25/2008 | 07:55:08 | 0.081                     |
| 93         | 09/25/2008 | 07:55:09 | 0.101                     |
| 94         | 09/25/2008 | 07:55:10 | 0.089                     |
| 95         | 09/25/2008 | 07:55:11 | 0.089                     |
| 96         | 09/25/2008 | 07:55:12 | 0.095                     |
| 97         | 09/25/2008 | 07:55:13 | 0.096                     |
| 98         | 09/25/2008 | 07:55:14 | 0.099                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 99         | 09/25/2008 | 07:55:15 | 0.090                     |
| 100        | 09/25/2008 | 07:55:16 | 0.085                     |
| 101        | 09/25/2008 | 07:55:17 | 0.099                     |
| 102        | 09/25/2008 | 07:55:18 | 0.099                     |
| 103        | 09/25/2008 | 07:55:19 | 0.082                     |
| 104        | 09/25/2008 | 07:55:20 | 0.088                     |
| 105        | 09/25/2008 | 07:55:21 | 0.085                     |
| 106        | 09/25/2008 | 07:55:22 | 0.090                     |
| 107        | 09/25/2008 | 07:55:23 | 0.087                     |
| 108        | 09/25/2008 | 07:55:24 | 0.089                     |
| 109        | 09/25/2008 | 07:55:25 | 0.095                     |
| 110        | 09/25/2008 | 07:55:26 | 0.088                     |
| 111        | 09/25/2008 | 07:55:27 | 0.087                     |
| 112        | 09/25/2008 | 07:55:28 | 0.094                     |
| 113        | 09/25/2008 | 07:55:29 | 0.094                     |
| 114        | 09/25/2008 | 07:55:30 | 0.089                     |
| 115        | 09/25/2008 | 07:55:31 | 0.088                     |
| 116        | 09/25/2008 | 07:55:32 | 0.095                     |
| 117        | 09/25/2008 | 07:55:33 | 0.094                     |
| 118        | 09/25/2008 | 07:55:34 | 0.096                     |
| 119        | 09/25/2008 | 07:55:35 | 0.095                     |
| 120        | 09/25/2008 | 07:55:36 | 0.087                     |
| 121        | 09/25/2008 | 07:55:37 | 0.090                     |
| 122        | 09/25/2008 | 07:55:38 | 0.114                     |
| 123        | 09/25/2008 | 07:55:39 | 0.097                     |
| 124        | 09/25/2008 | 07:55:40 | 0.085                     |
| 125        | 09/25/2008 | 07:55:41 | 0.109                     |
| 126        | 09/25/2008 | 07:55:42 | 0.088                     |
| 127        | 09/25/2008 | 07:55:43 | 0.089                     |
| 128        | 09/25/2008 | 07:55:44 | 0.089                     |
| 129        | 09/25/2008 | 07:55:45 | 0.087                     |
| 130        | 09/25/2008 | 07:55:46 | 0.085                     |
| 131        | 09/25/2008 | 07:55:47 | 0.089                     |
| 132        | 09/25/2008 | 07:55:48 | 0.087                     |
| 133        | 09/25/2008 | 07:55:49 | 0.087                     |
| 134        | 09/25/2008 | 07:55:50 | 0.090                     |
| 135        | 09/25/2008 | 07:55:51 | 0.092                     |
| 136        | 09/25/2008 | 07:55:52 | 0.084                     |
| 137        | 09/25/2008 | 07:55:53 | 0.093                     |
| 138        | 09/25/2008 | 07:55:54 | 0.090                     |
| 139        | 09/25/2008 | 07:55:55 | 0.106                     |
| 140        | 09/25/2008 | 07:55:56 | 0.093                     |
| 141        | 09/25/2008 | 07:55:57 | 0.117                     |
| 142        | 09/25/2008 | 07:55:58 | 0.091                     |
| 143        | 09/25/2008 | 07:55:59 | 0.087                     |
| 144        | 09/25/2008 | 07:56:00 | 0.107                     |
| 145        | 09/25/2008 | 07:56:01 | 0.094                     |
| 146        | 09/25/2008 | 07:56:02 | 0.085                     |
| 147        | 09/25/2008 | 07:56:03 | 0.095                     |
| 148        | 09/25/2008 | 07:56:04 | 0.098                     |
| 149        | 09/25/2008 | 07:56:05 | 0.087                     |
| 150        | 09/25/2008 | 07:56:06 | 0.103                     |
| 151        | 09/25/2008 | 07:56:07 | 0.090                     |
| 152        | 09/25/2008 | 07:56:08 | 0.174                     |
| 153        | 09/25/2008 | 07:56:09 | 0.096                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 154        | 09/25/2008 | 07:56:10 | 0.088                     |
| 155        | 09/25/2008 | 07:56:11 | 0.092                     |
| 156        | 09/25/2008 | 07:56:12 | 0.086                     |
| 157        | 09/25/2008 | 07:56:13 | 0.093                     |
| 158        | 09/25/2008 | 07:56:14 | 0.089                     |
| 159        | 09/25/2008 | 07:56:15 | 0.096                     |
| 160        | 09/25/2008 | 07:56:16 | 0.094                     |
| 161        | 09/25/2008 | 07:56:17 | 0.088                     |
| 162        | 09/25/2008 | 07:56:18 | 0.095                     |
| 163        | 09/25/2008 | 07:56:19 | 0.094                     |
| 164        | 09/25/2008 | 07:56:20 | 0.095                     |
| 165        | 09/25/2008 | 07:56:21 | 0.084                     |
| 166        | 09/25/2008 | 07:56:22 | 0.084                     |
| 167        | 09/25/2008 | 07:56:23 | 0.085                     |
| 168        | 09/25/2008 | 07:56:24 | 0.095                     |
| 169        | 09/25/2008 | 07:56:25 | 0.103                     |
| 170        | 09/25/2008 | 07:56:26 | 0.090                     |
| 171        | 09/25/2008 | 07:56:27 | 0.092                     |
| 172        | 09/25/2008 | 07:56:28 | 0.098                     |
| 173        | 09/25/2008 | 07:56:29 | 0.093                     |
| 174        | 09/25/2008 | 07:56:30 | 0.094                     |
| 175        | 09/25/2008 | 07:56:31 | 0.096                     |
| 176        | 09/25/2008 | 07:56:32 | 0.090                     |
| 177        | 09/25/2008 | 07:56:33 | 0.090                     |
| 178        | 09/25/2008 | 07:56:34 | 0.092                     |
| 179        | 09/25/2008 | 07:56:35 | 0.095                     |
| 180        | 09/25/2008 | 07:56:36 | 0.094                     |
| 181        | 09/25/2008 | 07:56:37 | 0.100                     |
| 182        | 09/25/2008 | 07:56:38 | 0.092                     |
| 183        | 09/25/2008 | 07:56:39 | 0.091                     |
| 184        | 09/25/2008 | 07:56:40 | 0.094                     |
| 185        | 09/25/2008 | 07:56:41 | 0.084                     |
| 186        | 09/25/2008 | 07:56:42 | 0.093                     |
| 187        | 09/25/2008 | 07:56:43 | 0.090                     |
| 188        | 09/25/2008 | 07:56:44 | 0.088                     |
| 189        | 09/25/2008 | 07:56:45 | 0.093                     |
| 190        | 09/25/2008 | 07:56:46 | 0.086                     |
| 191        | 09/25/2008 | 07:56:47 | 0.098                     |
| 192        | 09/25/2008 | 07:56:48 | 0.102                     |
| 193        | 09/25/2008 | 07:56:49 | 0.098                     |
| 194        | 09/25/2008 | 07:56:50 | 0.088                     |
| 195        | 09/25/2008 | 07:56:51 | 0.094                     |
| 196        | 09/25/2008 | 07:56:52 | 0.085                     |
| 197        | 09/25/2008 | 07:56:53 | 0.092                     |
| 198        | 09/25/2008 | 07:56:54 | 0.093                     |
| 199        | 09/25/2008 | 07:56:55 | 0.091                     |
| 200        | 09/25/2008 | 07:56:56 | 0.104                     |
| 201        | 09/25/2008 | 07:56:57 | 0.088                     |
| 202        | 09/25/2008 | 07:56:58 | 0.088                     |
| 203        | 09/25/2008 | 07:56:59 | 0.089                     |
| 204        | 09/25/2008 | 07:57:00 | 0.094                     |
| 205        | 09/25/2008 | 07:57:01 | 0.088                     |
| 206        | 09/25/2008 | 07:57:02 | 0.113                     |
| 207        | 09/25/2008 | 07:57:03 | 0.094                     |
| 208        | 09/25/2008 | 07:57:04 | 0.094                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 209        | 09/25/2008 | 07:57:05 | 0.094                     |
| 210        | 09/25/2008 | 07:57:06 | 0.091                     |
| 211        | 09/25/2008 | 07:57:07 | 0.084                     |
| 212        | 09/25/2008 | 07:57:08 | 0.103                     |
| 213        | 09/25/2008 | 07:57:09 | 0.093                     |
| 214        | 09/25/2008 | 07:57:10 | 0.086                     |
| 215        | 09/25/2008 | 07:57:11 | 0.097                     |
| 216        | 09/25/2008 | 07:57:12 | 0.100                     |
| 217        | 09/25/2008 | 07:57:13 | 0.089                     |
| 218        | 09/25/2008 | 07:57:14 | 0.108                     |
| 219        | 09/25/2008 | 07:57:15 | 0.094                     |
| 220        | 09/25/2008 | 07:57:16 | 0.092                     |
| 221        | 09/25/2008 | 07:57:17 | 0.094                     |
| 222        | 09/25/2008 | 07:57:18 | 0.093                     |
| 223        | 09/25/2008 | 07:57:19 | 0.092                     |
| 224        | 09/25/2008 | 07:57:20 | 0.088                     |
| 225        | 09/25/2008 | 07:57:21 | 0.088                     |
| 226        | 09/25/2008 | 07:57:22 | 0.123                     |
| 227        | 09/25/2008 | 07:57:23 | 0.091                     |
| 228        | 09/25/2008 | 07:57:24 | 0.095                     |
| 229        | 09/25/2008 | 07:57:25 | 0.087                     |
| 230        | 09/25/2008 | 07:57:26 | 0.089                     |
| 231        | 09/25/2008 | 07:57:27 | 0.103                     |
| 232        | 09/25/2008 | 07:57:28 | 0.112                     |
| 233        | 09/25/2008 | 07:57:29 | 0.095                     |
| 234        | 09/25/2008 | 07:57:30 | 0.094                     |
| 235        | 09/25/2008 | 07:57:31 | 0.090                     |
| 236        | 09/25/2008 | 07:57:32 | 0.096                     |
| 237        | 09/25/2008 | 07:57:33 | 0.098                     |
| 238        | 09/25/2008 | 07:57:34 | 0.090                     |
| 239        | 09/25/2008 | 07:57:35 | 0.092                     |
| 240        | 09/25/2008 | 07:57:36 | 0.096                     |
| 241        | 09/25/2008 | 07:57:37 | 0.083                     |
| 242        | 09/25/2008 | 07:57:38 | 0.092                     |
| 243        | 09/25/2008 | 07:57:39 | 0.104                     |
| 244        | 09/25/2008 | 07:57:40 | 0.093                     |
| 245        | 09/25/2008 | 07:57:41 | 0.092                     |
| 246        | 09/25/2008 | 07:57:42 | 0.094                     |
| 247        | 09/25/2008 | 07:57:43 | 0.092                     |
| 248        | 09/25/2008 | 07:57:44 | 0.100                     |
| 249        | 09/25/2008 | 07:57:45 | 0.089                     |
| 250        | 09/25/2008 | 07:57:46 | 0.091                     |
| 251        | 09/25/2008 | 07:57:47 | 0.091                     |
| 252        | 09/25/2008 | 07:57:48 | 0.090                     |
| 253        | 09/25/2008 | 07:57:49 | 0.105                     |
| 254        | 09/25/2008 | 07:57:50 | 0.092                     |
| 255        | 09/25/2008 | 07:57:51 | 0.092                     |
| 256        | 09/25/2008 | 07:57:52 | 0.110                     |
| 257        | 09/25/2008 | 07:57:53 | 0.086                     |
| 258        | 09/25/2008 | 07:57:54 | 0.114                     |
| 259        | 09/25/2008 | 07:57:55 | 0.086                     |
| 260        | 09/25/2008 | 07:57:56 | 0.096                     |
| 261        | 09/25/2008 | 07:57:57 | 0.088                     |
| 262        | 09/25/2008 | 07:57:58 | 0.091                     |
| 263        | 09/25/2008 | 07:57:59 | 0.088                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 264        | 09/25/2008 | 07:58:00 | 0.093                     |
| 265        | 09/25/2008 | 07:58:01 | 0.089                     |
| 266        | 09/25/2008 | 07:58:02 | 0.094                     |
| 267        | 09/25/2008 | 07:58:03 | 0.088                     |
| 268        | 09/25/2008 | 07:58:04 | 0.100                     |
| 269        | 09/25/2008 | 07:58:05 | 0.099                     |
| 270        | 09/25/2008 | 07:58:06 | 0.093                     |
| 271        | 09/25/2008 | 07:58:07 | 0.094                     |
| 272        | 09/25/2008 | 07:58:08 | 0.086                     |
| 273        | 09/25/2008 | 07:58:09 | 0.091                     |
| 274        | 09/25/2008 | 07:58:10 | 0.100                     |
| 275        | 09/25/2008 | 07:58:11 | 0.086                     |
| 276        | 09/25/2008 | 07:58:12 | 0.088                     |
| 277        | 09/25/2008 | 07:58:13 | 0.088                     |
| 278        | 09/25/2008 | 07:58:14 | 0.094                     |
| 279        | 09/25/2008 | 07:58:15 | 0.111                     |
| 280        | 09/25/2008 | 07:58:16 | 0.085                     |
| 281        | 09/25/2008 | 07:58:17 | 0.095                     |
| 282        | 09/25/2008 | 07:58:18 | 0.097                     |
| 283        | 09/25/2008 | 07:58:19 | 0.094                     |
| 284        | 09/25/2008 | 07:58:20 | 0.091                     |
| 285        | 09/25/2008 | 07:58:21 | 0.091                     |
| 286        | 09/25/2008 | 07:58:22 | 0.089                     |
| 287        | 09/25/2008 | 07:58:23 | 0.098                     |
| 288        | 09/25/2008 | 07:58:24 | 0.095                     |
| 289        | 09/25/2008 | 07:58:25 | 0.087                     |
| 290        | 09/25/2008 | 07:58:26 | 0.093                     |
| 291        | 09/25/2008 | 07:58:27 | 0.102                     |
| 292        | 09/25/2008 | 07:58:28 | 0.098                     |
| 293        | 09/25/2008 | 07:58:29 | 0.093                     |
| 294        | 09/25/2008 | 07:58:30 | 0.088                     |
| 295        | 09/25/2008 | 07:58:31 | 0.092                     |
| 296        | 09/25/2008 | 07:58:32 | 0.085                     |
| 297        | 09/25/2008 | 07:58:33 | 0.098                     |
| 298        | 09/25/2008 | 07:58:34 | 0.095                     |
| 299        | 09/25/2008 | 07:58:35 | 0.092                     |
| 300        | 09/25/2008 | 07:58:36 | 0.089                     |
| 301        | 09/25/2008 | 07:58:37 | 0.089                     |
| 302        | 09/25/2008 | 07:58:38 | 0.095                     |
| 303        | 09/25/2008 | 07:58:39 | 0.107                     |
| 304        | 09/25/2008 | 07:58:40 | 0.090                     |
| 305        | 09/25/2008 | 07:58:41 | 0.112                     |
| 306        | 09/25/2008 | 07:58:42 | 0.097                     |
| 307        | 09/25/2008 | 07:58:43 | 0.104                     |
| 308        | 09/25/2008 | 07:58:44 | 0.086                     |
| 309        | 09/25/2008 | 07:58:45 | 0.088                     |
| 310        | 09/25/2008 | 07:58:46 | 0.095                     |
| 311        | 09/25/2008 | 07:58:47 | 0.103                     |
| 312        | 09/25/2008 | 07:58:48 | 0.098                     |
| 313        | 09/25/2008 | 07:58:49 | 0.090                     |
| 314        | 09/25/2008 | 07:58:50 | 0.097                     |
| 315        | 09/25/2008 | 07:58:51 | 0.086                     |
| 316        | 09/25/2008 | 07:58:52 | 0.100                     |
| 317        | 09/25/2008 | 07:58:53 | 0.114                     |
| 318        | 09/25/2008 | 07:58:54 | 0.088                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 319        | 09/25/2008 | 07:58:55 | 0.095                     |
| 320        | 09/25/2008 | 07:58:56 | 0.089                     |
| 321        | 09/25/2008 | 07:58:57 | 0.095                     |
| 322        | 09/25/2008 | 07:58:58 | 0.092                     |
| 323        | 09/25/2008 | 07:58:59 | 0.086                     |
| 324        | 09/25/2008 | 07:59:00 | 0.094                     |
| 325        | 09/25/2008 | 07:59:01 | 0.107                     |
| 326        | 09/25/2008 | 07:59:02 | 0.104                     |
| 327        | 09/25/2008 | 07:59:03 | 0.095                     |
| 328        | 09/25/2008 | 07:59:04 | 0.090                     |
| 329        | 09/25/2008 | 07:59:05 | 0.089                     |
| 330        | 09/25/2008 | 07:59:06 | 0.091                     |
| 331        | 09/25/2008 | 07:59:07 | 0.088                     |
| 332        | 09/25/2008 | 07:59:08 | 0.095                     |
| 333        | 09/25/2008 | 07:59:09 | 0.091                     |
| 334        | 09/25/2008 | 07:59:10 | 0.132                     |
| 335        | 09/25/2008 | 07:59:11 | 0.121                     |
| 336        | 09/25/2008 | 07:59:12 | 0.091                     |
| 337        | 09/25/2008 | 07:59:13 | 0.090                     |
| 338        | 09/25/2008 | 07:59:14 | 0.093                     |
| 339        | 09/25/2008 | 07:59:15 | 0.102                     |
| 340        | 09/25/2008 | 07:59:16 | 0.084                     |
| 341        | 09/25/2008 | 07:59:17 | 0.090                     |
| 342        | 09/25/2008 | 07:59:18 | 0.086                     |
| 343        | 09/25/2008 | 07:59:19 | 0.097                     |
| 344        | 09/25/2008 | 07:59:20 | 0.104                     |
| 345        | 09/25/2008 | 07:59:21 | 0.099                     |
| 346        | 09/25/2008 | 07:59:22 | 0.097                     |
| 347        | 09/25/2008 | 07:59:23 | 0.108                     |
| 348        | 09/25/2008 | 07:59:24 | 0.097                     |
| 349        | 09/25/2008 | 07:59:25 | 0.095                     |
| 350        | 09/25/2008 | 07:59:26 | 0.099                     |
| 351        | 09/25/2008 | 07:59:27 | 0.092                     |
| 352        | 09/25/2008 | 07:59:28 | 0.107                     |
| 353        | 09/25/2008 | 07:59:29 | 0.126                     |
| 354        | 09/25/2008 | 07:59:30 | 0.098                     |
| 355        | 09/25/2008 | 07:59:31 | 0.116                     |
| 356        | 09/25/2008 | 07:59:32 | 0.090                     |
| 357        | 09/25/2008 | 07:59:33 | 0.092                     |
| 358        | 09/25/2008 | 07:59:34 | 0.101                     |
| 359        | 09/25/2008 | 07:59:35 | 0.093                     |
| 360        | 09/25/2008 | 07:59:36 | 0.094                     |
| 361        | 09/25/2008 | 07:59:37 | 0.096                     |
| 362        | 09/25/2008 | 07:59:38 | 0.092                     |
| 363        | 09/25/2008 | 07:59:39 | 0.098                     |
| 364        | 09/25/2008 | 07:59:40 | 0.088                     |
| 365        | 09/25/2008 | 07:59:41 | 0.088                     |
| 366        | 09/25/2008 | 07:59:42 | 0.113                     |
| 367        | 09/25/2008 | 07:59:43 | 0.099                     |
| 368        | 09/25/2008 | 07:59:44 | 0.109                     |
| 369        | 09/25/2008 | 07:59:45 | 0.111                     |
| 370        | 09/25/2008 | 07:59:46 | 0.091                     |
| 371        | 09/25/2008 | 07:59:47 | 0.101                     |
| 372        | 09/25/2008 | 07:59:48 | 0.102                     |
| 373        | 09/25/2008 | 07:59:49 | 0.088                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 374        | 09/25/2008 | 07:59:50 | 0.094                     |
| 375        | 09/25/2008 | 07:59:51 | 0.089                     |
| 376        | 09/25/2008 | 07:59:52 | 0.093                     |
| 377        | 09/25/2008 | 07:59:53 | 0.093                     |
| 378        | 09/25/2008 | 07:59:54 | 0.099                     |
| 379        | 09/25/2008 | 07:59:55 | 0.097                     |
| 380        | 09/25/2008 | 07:59:56 | 0.095                     |
| 381        | 09/25/2008 | 07:59:57 | 0.092                     |
| 382        | 09/25/2008 | 07:59:58 | 0.111                     |
| 383        | 09/25/2008 | 07:59:59 | 0.090                     |
| 384        | 09/25/2008 | 08:00:00 | 0.092                     |
| 385        | 09/25/2008 | 08:00:01 | 0.092                     |
| 386        | 09/25/2008 | 08:00:02 | 0.092                     |
| 387        | 09/25/2008 | 08:00:03 | 0.096                     |
| 388        | 09/25/2008 | 08:00:04 | 0.101                     |
| 389        | 09/25/2008 | 08:00:05 | 0.102                     |
| 390        | 09/25/2008 | 08:00:06 | 0.091                     |
| 391        | 09/25/2008 | 08:00:07 | 0.128                     |
| 392        | 09/25/2008 | 08:00:08 | 0.090                     |
| 393        | 09/25/2008 | 08:00:09 | 0.091                     |
| 394        | 09/25/2008 | 08:00:10 | 0.095                     |
| 395        | 09/25/2008 | 08:00:11 | 0.091                     |
| 396        | 09/25/2008 | 08:00:12 | 0.101                     |
| 397        | 09/25/2008 | 08:00:13 | 0.091                     |
| 398        | 09/25/2008 | 08:00:14 | 0.104                     |
| 399        | 09/25/2008 | 08:00:15 | 0.097                     |
| 400        | 09/25/2008 | 08:00:16 | 0.095                     |
| 401        | 09/25/2008 | 08:00:17 | 0.123                     |
| 402        | 09/25/2008 | 08:00:18 | 0.093                     |
| 403        | 09/25/2008 | 08:00:19 | 0.094                     |
| 404        | 09/25/2008 | 08:00:20 | 0.094                     |
| 405        | 09/25/2008 | 08:00:21 | 0.087                     |
| 406        | 09/25/2008 | 08:00:22 | 0.096                     |
| 407        | 09/25/2008 | 08:00:23 | 0.087                     |
| 408        | 09/25/2008 | 08:00:24 | 0.125                     |
| 409        | 09/25/2008 | 08:00:25 | 0.097                     |
| 410        | 09/25/2008 | 08:00:26 | 0.126                     |
| 411        | 09/25/2008 | 08:00:27 | 0.101                     |
| 412        | 09/25/2008 | 08:00:28 | 0.090                     |
| 413        | 09/25/2008 | 08:00:29 | 0.090                     |
| 414        | 09/25/2008 | 08:00:30 | 0.101                     |
| 415        | 09/25/2008 | 08:00:31 | 0.088                     |
| 416        | 09/25/2008 | 08:00:32 | 0.096                     |
| 417        | 09/25/2008 | 08:00:33 | 0.106                     |
| 418        | 09/25/2008 | 08:00:34 | 0.099                     |
| 419        | 09/25/2008 | 08:00:35 | 0.099                     |
| 420        | 09/25/2008 | 08:00:36 | 0.088                     |
| 421        | 09/25/2008 | 08:00:37 | 0.125                     |
| 422        | 09/25/2008 | 08:00:38 | 0.094                     |
| 423        | 09/25/2008 | 08:00:39 | 0.101                     |
| 424        | 09/25/2008 | 08:00:40 | 0.088                     |
| 425        | 09/25/2008 | 08:00:41 | 0.096                     |
| 426        | 09/25/2008 | 08:00:42 | 0.085                     |
| 427        | 09/25/2008 | 08:00:43 | 0.089                     |
| 428        | 09/25/2008 | 08:00:44 | 0.121                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 429        | 09/25/2008 | 08:00:45 | 0.095                     |
| 430        | 09/25/2008 | 08:00:46 | 0.092                     |
| 431        | 09/25/2008 | 08:00:47 | 0.091                     |
| 432        | 09/25/2008 | 08:00:48 | 0.098                     |
| 433        | 09/25/2008 | 08:00:49 | 0.098                     |
| 434        | 09/25/2008 | 08:00:50 | 0.098                     |
| 435        | 09/25/2008 | 08:00:51 | 0.092                     |
| 436        | 09/25/2008 | 08:00:52 | 0.091                     |
| 437        | 09/25/2008 | 08:00:53 | 0.109                     |
| 438        | 09/25/2008 | 08:00:54 | 0.098                     |
| 439        | 09/25/2008 | 08:00:55 | 0.114                     |
| 440        | 09/25/2008 | 08:00:56 | 0.091                     |
| 441        | 09/25/2008 | 08:00:57 | 0.096                     |
| 442        | 09/25/2008 | 08:00:58 | 0.106                     |
| 443        | 09/25/2008 | 08:00:59 | 0.094                     |
| 444        | 09/25/2008 | 08:01:00 | 0.091                     |
| 445        | 09/25/2008 | 08:01:01 | 0.091                     |
| 446        | 09/25/2008 | 08:01:02 | 0.092                     |
| 447        | 09/25/2008 | 08:01:03 | 0.090                     |
| 448        | 09/25/2008 | 08:01:04 | 0.097                     |
| 449        | 09/25/2008 | 08:01:05 | 0.097                     |
| 450        | 09/25/2008 | 08:01:06 | 0.087                     |
| 451        | 09/25/2008 | 08:01:07 | 0.085                     |
| 452        | 09/25/2008 | 08:01:08 | 0.091                     |
| 453        | 09/25/2008 | 08:01:09 | 0.110                     |
| 454        | 09/25/2008 | 08:01:10 | 0.093                     |
| 455        | 09/25/2008 | 08:01:11 | 0.111                     |
| 456        | 09/25/2008 | 08:01:12 | 0.107                     |
| 457        | 09/25/2008 | 08:01:13 | 0.138                     |
| 458        | 09/25/2008 | 08:01:14 | 0.103                     |
| 459        | 09/25/2008 | 08:01:15 | 0.110                     |
| 460        | 09/25/2008 | 08:01:16 | 0.099                     |
| 461        | 09/25/2008 | 08:01:17 | 0.098                     |
| 462        | 09/25/2008 | 08:01:18 | 0.087                     |
| 463        | 09/25/2008 | 08:01:19 | 0.095                     |
| 464        | 09/25/2008 | 08:01:20 | 0.108                     |
| 465        | 09/25/2008 | 08:01:21 | 0.108                     |
| 466        | 09/25/2008 | 08:01:22 | 0.096                     |
| 467        | 09/25/2008 | 08:01:23 | 0.102                     |
| 468        | 09/25/2008 | 08:01:24 | 0.091                     |
| 469        | 09/25/2008 | 08:01:25 | 0.098                     |
| 470        | 09/25/2008 | 08:01:26 | 0.095                     |
| 471        | 09/25/2008 | 08:01:27 | 0.118                     |
| 472        | 09/25/2008 | 08:01:28 | 0.098                     |
| 473        | 09/25/2008 | 08:01:29 | 0.105                     |
| 474        | 09/25/2008 | 08:01:30 | 0.099                     |
| 475        | 09/25/2008 | 08:01:31 | 0.107                     |
| 476        | 09/25/2008 | 08:01:32 | 0.112                     |
| 477        | 09/25/2008 | 08:01:33 | 0.097                     |
| 478        | 09/25/2008 | 08:01:34 | 0.110                     |
| 479        | 09/25/2008 | 08:01:35 | 0.106                     |
| 480        | 09/25/2008 | 08:01:36 | 0.102                     |
| 481        | 09/25/2008 | 08:01:37 | 0.098                     |
| 482        | 09/25/2008 | 08:01:38 | 0.093                     |
| 483        | 09/25/2008 | 08:01:39 | 0.095                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 484        | 09/25/2008 | 08:01:40 | 0.094                     |
| 485        | 09/25/2008 | 08:01:41 | 0.090                     |
| 486        | 09/25/2008 | 08:01:42 | 0.095                     |
| 487        | 09/25/2008 | 08:01:43 | 0.091                     |
| 488        | 09/25/2008 | 08:01:44 | 0.095                     |
| 489        | 09/25/2008 | 08:01:45 | 0.087                     |
| 490        | 09/25/2008 | 08:01:46 | 0.110                     |
| 491        | 09/25/2008 | 08:01:47 | 0.091                     |
| 492        | 09/25/2008 | 08:01:48 | 0.113                     |
| 493        | 09/25/2008 | 08:01:49 | 0.095                     |
| 494        | 09/25/2008 | 08:01:50 | 0.094                     |
| 495        | 09/25/2008 | 08:01:51 | 0.094                     |
| 496        | 09/25/2008 | 08:01:52 | 0.094                     |
| 497        | 09/25/2008 | 08:01:53 | 0.112                     |
| 498        | 09/25/2008 | 08:01:54 | 0.104                     |
| 499        | 09/25/2008 | 08:01:55 | 0.109                     |
| 500        | 09/25/2008 | 08:01:56 | 0.101                     |
| 501        | 09/25/2008 | 08:01:57 | 0.109                     |
| 502        | 09/25/2008 | 08:01:58 | 0.104                     |
| 503        | 09/25/2008 | 08:01:59 | 0.085                     |
| 504        | 09/25/2008 | 08:02:00 | 0.093                     |
| 505        | 09/25/2008 | 08:02:01 | 0.093                     |
| 506        | 09/25/2008 | 08:02:02 | 0.105                     |
| 507        | 09/25/2008 | 08:02:03 | 0.092                     |
| 508        | 09/25/2008 | 08:02:04 | 0.094                     |
| 509        | 09/25/2008 | 08:02:05 | 0.095                     |
| 510        | 09/25/2008 | 08:02:06 | 0.096                     |
| 511        | 09/25/2008 | 08:02:07 | 0.087                     |
| 512        | 09/25/2008 | 08:02:08 | 0.095                     |
| 513        | 09/25/2008 | 08:02:09 | 0.101                     |
| 514        | 09/25/2008 | 08:02:10 | 0.095                     |
| 515        | 09/25/2008 | 08:02:11 | 0.098                     |
| 516        | 09/25/2008 | 08:02:12 | 0.090                     |
| 517        | 09/25/2008 | 08:02:13 | 0.098                     |
| 518        | 09/25/2008 | 08:02:14 | 0.102                     |
| 519        | 09/25/2008 | 08:02:15 | 0.092                     |
| 520        | 09/25/2008 | 08:02:16 | 0.087                     |
| 521        | 09/25/2008 | 08:02:17 | 0.090                     |
| 522        | 09/25/2008 | 08:02:18 | 0.096                     |
| 523        | 09/25/2008 | 08:02:19 | 0.089                     |
| 524        | 09/25/2008 | 08:02:20 | 0.102                     |
| 525        | 09/25/2008 | 08:02:21 | 0.102                     |
| 526        | 09/25/2008 | 08:02:22 | 0.088                     |
| 527        | 09/25/2008 | 08:02:23 | 0.094                     |
| 528        | 09/25/2008 | 08:02:24 | 0.096                     |
| 529        | 09/25/2008 | 08:02:25 | 0.087                     |
| 530        | 09/25/2008 | 08:02:26 | 0.102                     |
| 531        | 09/25/2008 | 08:02:27 | 0.119                     |
| 532        | 09/25/2008 | 08:02:28 | 0.090                     |
| 533        | 09/25/2008 | 08:02:29 | 0.100                     |
| 534        | 09/25/2008 | 08:02:30 | 0.099                     |
| 535        | 09/25/2008 | 08:02:31 | 0.091                     |
| 536        | 09/25/2008 | 08:02:32 | 0.107                     |
| 537        | 09/25/2008 | 08:02:33 | 0.098                     |
| 538        | 09/25/2008 | 08:02:34 | 0.088                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 539        | 09/25/2008 | 08:02:35 | 0.129                     |
| 540        | 09/25/2008 | 08:02:36 | 0.089                     |
| 541        | 09/25/2008 | 08:02:37 | 0.097                     |
| 542        | 09/25/2008 | 08:02:38 | 0.096                     |
| 543        | 09/25/2008 | 08:02:39 | 0.094                     |
| 544        | 09/25/2008 | 08:02:40 | 0.093                     |
| 545        | 09/25/2008 | 08:02:41 | 0.091                     |
| 546        | 09/25/2008 | 08:02:42 | 0.091                     |
| 547        | 09/25/2008 | 08:02:43 | 0.092                     |
| 548        | 09/25/2008 | 08:02:44 | 0.099                     |
| 549        | 09/25/2008 | 08:02:45 | 0.091                     |
| 550        | 09/25/2008 | 08:02:46 | 0.113                     |
| 551        | 09/25/2008 | 08:02:47 | 0.090                     |
| 552        | 09/25/2008 | 08:02:48 | 0.097                     |
| 553        | 09/25/2008 | 08:02:49 | 0.114                     |
| 554        | 09/25/2008 | 08:02:50 | 0.088                     |
| 555        | 09/25/2008 | 08:02:51 | 0.096                     |
| 556        | 09/25/2008 | 08:02:52 | 0.101                     |
| 557        | 09/25/2008 | 08:02:53 | 0.094                     |
| 558        | 09/25/2008 | 08:02:54 | 0.099                     |
| 559        | 09/25/2008 | 08:02:55 | 0.091                     |
| 560        | 09/25/2008 | 08:02:56 | 0.090                     |
| 561        | 09/25/2008 | 08:02:57 | 0.089                     |
| 562        | 09/25/2008 | 08:02:58 | 0.103                     |
| 563        | 09/25/2008 | 08:02:59 | 0.092                     |
| 564        | 09/25/2008 | 08:03:00 | 0.092                     |
| 565        | 09/25/2008 | 08:03:01 | 0.131                     |
| 566        | 09/25/2008 | 08:03:02 | 0.087                     |
| 567        | 09/25/2008 | 08:03:03 | 0.086                     |
| 568        | 09/25/2008 | 08:03:04 | 0.094                     |
| 569        | 09/25/2008 | 08:03:05 | 0.105                     |
| 570        | 09/25/2008 | 08:03:06 | 0.096                     |
| 571        | 09/25/2008 | 08:03:07 | 0.089                     |
| 572        | 09/25/2008 | 08:03:08 | 0.091                     |
| 573        | 09/25/2008 | 08:03:09 | 0.107                     |
| 574        | 09/25/2008 | 08:03:10 | 0.108                     |
| 575        | 09/25/2008 | 08:03:11 | 0.102                     |
| 576        | 09/25/2008 | 08:03:12 | 0.087                     |
| 577        | 09/25/2008 | 08:03:13 | 0.086                     |
| 578        | 09/25/2008 | 08:03:14 | 0.098                     |
| 579        | 09/25/2008 | 08:03:15 | 0.095                     |
| 580        | 09/25/2008 | 08:03:16 | 0.106                     |
| 581        | 09/25/2008 | 08:03:17 | 0.098                     |
| 582        | 09/25/2008 | 08:03:18 | 0.083                     |
| 583        | 09/25/2008 | 08:03:19 | 0.089                     |
| 584        | 09/25/2008 | 08:03:20 | 0.110                     |
| 585        | 09/25/2008 | 08:03:21 | 0.105                     |
| 586        | 09/25/2008 | 08:03:22 | 0.095                     |
| 587        | 09/25/2008 | 08:03:23 | 0.109                     |
| 588        | 09/25/2008 | 08:03:24 | 0.095                     |
| 589        | 09/25/2008 | 08:03:25 | 0.095                     |
| 590        | 09/25/2008 | 08:03:26 | 0.138                     |
| 591        | 09/25/2008 | 08:03:27 | 0.094                     |
| 592        | 09/25/2008 | 08:03:28 | 0.101                     |
| 593        | 09/25/2008 | 08:03:29 | 0.094                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 594        | 09/25/2008 | 08:03:30 | 0.095                     |
| 595        | 09/25/2008 | 08:03:31 | 0.105                     |
| 596        | 09/25/2008 | 08:03:32 | 0.101                     |
| 597        | 09/25/2008 | 08:03:33 | 0.106                     |
| 598        | 09/25/2008 | 08:03:34 | 0.111                     |
| 599        | 09/25/2008 | 08:03:35 | 0.130                     |
| 600        | 09/25/2008 | 08:03:36 | 0.099                     |
| 601        | 09/25/2008 | 08:03:37 | 0.094                     |
| 602        | 09/25/2008 | 08:03:38 | 0.111                     |
| 603        | 09/25/2008 | 08:03:39 | 0.110                     |
| 604        | 09/25/2008 | 08:03:40 | 0.174                     |
| 605        | 09/25/2008 | 08:03:41 | 0.117                     |
| 606        | 09/25/2008 | 08:03:42 | 0.107                     |
| 607        | 09/25/2008 | 08:03:43 | 0.096                     |
| 608        | 09/25/2008 | 08:03:44 | 0.100                     |
| 609        | 09/25/2008 | 08:03:45 | 0.096                     |
| 610        | 09/25/2008 | 08:03:46 | 0.094                     |
| 611        | 09/25/2008 | 08:03:47 | 0.098                     |
| 612        | 09/25/2008 | 08:03:48 | 0.102                     |
| 613        | 09/25/2008 | 08:03:49 | 0.093                     |
| 614        | 09/25/2008 | 08:03:50 | 0.094                     |
| 615        | 09/25/2008 | 08:03:51 | 0.088                     |
| 616        | 09/25/2008 | 08:03:52 | 0.091                     |
| 617        | 09/25/2008 | 08:03:53 | 0.111                     |
| 618        | 09/25/2008 | 08:03:54 | 0.091                     |
| 619        | 09/25/2008 | 08:03:55 | 0.091                     |
| 620        | 09/25/2008 | 08:03:56 | 0.123                     |
| 621        | 09/25/2008 | 08:03:57 | 0.099                     |
| 622        | 09/25/2008 | 08:03:58 | 0.111                     |
| 623        | 09/25/2008 | 08:03:59 | 0.089                     |
| 624        | 09/25/2008 | 08:04:00 | 0.106                     |
| 625        | 09/25/2008 | 08:04:01 | 0.110                     |
| 626        | 09/25/2008 | 08:04:02 | 0.095                     |
| 627        | 09/25/2008 | 08:04:03 | 0.093                     |
| 628        | 09/25/2008 | 08:04:04 | 0.087                     |
| 629        | 09/25/2008 | 08:04:05 | 0.103                     |
| 630        | 09/25/2008 | 08:04:06 | 0.090                     |
| 631        | 09/25/2008 | 08:04:07 | 0.092                     |
| 632        | 09/25/2008 | 08:04:08 | 0.095                     |
| 633        | 09/25/2008 | 08:04:09 | 0.089                     |
| 634        | 09/25/2008 | 08:04:10 | 0.121                     |
| 635        | 09/25/2008 | 08:04:11 | 0.107                     |
| 636        | 09/25/2008 | 08:04:12 | 0.095                     |
| 637        | 09/25/2008 | 08:04:13 | 0.114                     |
| 638        | 09/25/2008 | 08:04:14 | 0.105                     |
| 639        | 09/25/2008 | 08:04:15 | 0.087                     |
| 640        | 09/25/2008 | 08:04:16 | 0.104                     |
| 641        | 09/25/2008 | 08:04:17 | 0.092                     |
| 642        | 09/25/2008 | 08:04:18 | 0.099                     |
| 643        | 09/25/2008 | 08:04:19 | 0.092                     |
| 644        | 09/25/2008 | 08:04:20 | 0.159                     |
| 645        | 09/25/2008 | 08:04:21 | 0.094                     |
| 646        | 09/25/2008 | 08:04:22 | 0.101                     |
| 647        | 09/25/2008 | 08:04:23 | 0.096                     |
| 648        | 09/25/2008 | 08:04:24 | 0.097                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 649        | 09/25/2008 | 08:04:25 | 0.088                     |
| 650        | 09/25/2008 | 08:04:26 | 0.095                     |
| 651        | 09/25/2008 | 08:04:27 | 0.101                     |
| 652        | 09/25/2008 | 08:04:28 | 0.095                     |
| 653        | 09/25/2008 | 08:04:29 | 0.100                     |
| 654        | 09/25/2008 | 08:04:30 | 0.089                     |
| 655        | 09/25/2008 | 08:04:31 | 0.088                     |
| 656        | 09/25/2008 | 08:04:32 | 0.092                     |
| 657        | 09/25/2008 | 08:04:33 | 0.086                     |
| 658        | 09/25/2008 | 08:04:34 | 0.109                     |
| 659        | 09/25/2008 | 08:04:35 | 0.090                     |
| 660        | 09/25/2008 | 08:04:36 | 0.098                     |
| 661        | 09/25/2008 | 08:04:37 | 0.118                     |
| 662        | 09/25/2008 | 08:04:38 | 0.095                     |
| 663        | 09/25/2008 | 08:04:39 | 0.097                     |
| 664        | 09/25/2008 | 08:04:40 | 0.105                     |
| 665        | 09/25/2008 | 08:04:41 | 0.104                     |
| 666        | 09/25/2008 | 08:04:42 | 0.094                     |
| 667        | 09/25/2008 | 08:04:43 | 0.097                     |
| 668        | 09/25/2008 | 08:04:44 | 0.095                     |
| 669        | 09/25/2008 | 08:04:45 | 0.102                     |
| 670        | 09/25/2008 | 08:04:46 | 0.096                     |
| 671        | 09/25/2008 | 08:04:47 | 0.097                     |
| 672        | 09/25/2008 | 08:04:48 | 0.106                     |
| 673        | 09/25/2008 | 08:04:49 | 0.094                     |
| 674        | 09/25/2008 | 08:04:50 | 0.095                     |
| 675        | 09/25/2008 | 08:04:51 | 0.093                     |
| 676        | 09/25/2008 | 08:04:52 | 0.224                     |
| 677        | 09/25/2008 | 08:04:53 | 0.098                     |
| 678        | 09/25/2008 | 08:04:54 | 0.110                     |
| 679        | 09/25/2008 | 08:04:55 | 0.143                     |
| 680        | 09/25/2008 | 08:04:56 | 0.114                     |
| 681        | 09/25/2008 | 08:04:57 | 0.106                     |
| 682        | 09/25/2008 | 08:04:58 | 0.131                     |
| 683        | 09/25/2008 | 08:04:59 | 0.139                     |
| 684        | 09/25/2008 | 08:05:00 | 0.110                     |
| 685        | 09/25/2008 | 08:05:01 | 0.106                     |
| 686        | 09/25/2008 | 08:05:02 | 0.107                     |
| 687        | 09/25/2008 | 08:05:03 | 0.105                     |
| 688        | 09/25/2008 | 08:05:04 | 0.102                     |
| 689        | 09/25/2008 | 08:05:05 | 0.118                     |
| 690        | 09/25/2008 | 08:05:06 | 0.138                     |
| 691        | 09/25/2008 | 08:05:07 | 0.151                     |
| 692        | 09/25/2008 | 08:05:08 | 0.164                     |
| 693        | 09/25/2008 | 08:05:09 | 0.147                     |
| 694        | 09/25/2008 | 08:05:10 | 0.123                     |
| 695        | 09/25/2008 | 08:05:11 | 0.113                     |
| 696        | 09/25/2008 | 08:05:12 | 0.096                     |
| 697        | 09/25/2008 | 08:05:13 | 0.123                     |
| 698        | 09/25/2008 | 08:05:14 | 0.125                     |
| 699        | 09/25/2008 | 08:05:15 | 0.122                     |
| 700        | 09/25/2008 | 08:05:16 | 0.098                     |
| 701        | 09/25/2008 | 08:05:17 | 0.103                     |
| 702        | 09/25/2008 | 08:05:18 | 0.108                     |
| 703        | 09/25/2008 | 08:05:19 | 0.097                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 704        | 09/25/2008 | 08:05:20 | 0.094                     |
| 705        | 09/25/2008 | 08:05:21 | 0.101                     |
| 706        | 09/25/2008 | 08:05:22 | 0.098                     |
| 707        | 09/25/2008 | 08:05:23 | 0.095                     |
| 708        | 09/25/2008 | 08:05:24 | 0.126                     |
| 709        | 09/25/2008 | 08:05:25 | 0.097                     |
| 710        | 09/25/2008 | 08:05:26 | 0.091                     |
| 711        | 09/25/2008 | 08:05:27 | 0.091                     |
| 712        | 09/25/2008 | 08:05:28 | 0.102                     |
| 713        | 09/25/2008 | 08:05:29 | 0.087                     |
| 714        | 09/25/2008 | 08:05:30 | 0.090                     |
| 715        | 09/25/2008 | 08:05:31 | 0.092                     |
| 716        | 09/25/2008 | 08:05:32 | 0.095                     |
| 717        | 09/25/2008 | 08:05:33 | 0.095                     |
| 718        | 09/25/2008 | 08:05:34 | 0.094                     |
| 719        | 09/25/2008 | 08:05:35 | 0.095                     |
| 720        | 09/25/2008 | 08:05:36 | 0.098                     |
| 721        | 09/25/2008 | 08:05:37 | 0.084                     |
| 722        | 09/25/2008 | 08:05:38 | 0.099                     |
| 723        | 09/25/2008 | 08:05:39 | 0.091                     |
| 724        | 09/25/2008 | 08:05:40 | 0.088                     |
| 725        | 09/25/2008 | 08:05:41 | 0.109                     |
| 726        | 09/25/2008 | 08:05:42 | 0.092                     |
| 727        | 09/25/2008 | 08:05:43 | 0.089                     |
| 728        | 09/25/2008 | 08:05:44 | 0.091                     |
| 729        | 09/25/2008 | 08:05:45 | 0.094                     |
| 730        | 09/25/2008 | 08:05:46 | 0.099                     |
| 731        | 09/25/2008 | 08:05:47 | 0.089                     |
| 732        | 09/25/2008 | 08:05:48 | 0.090                     |
| 733        | 09/25/2008 | 08:05:49 | 0.091                     |
| 734        | 09/25/2008 | 08:05:50 | 0.087                     |
| 735        | 09/25/2008 | 08:05:51 | 0.102                     |
| 736        | 09/25/2008 | 08:05:52 | 0.104                     |
| 737        | 09/25/2008 | 08:05:53 | 0.092                     |
| 738        | 09/25/2008 | 08:05:54 | 0.084                     |
| 739        | 09/25/2008 | 08:05:55 | 0.105                     |
| 740        | 09/25/2008 | 08:05:56 | 0.102                     |
| 741        | 09/25/2008 | 08:05:57 | 0.093                     |
| 742        | 09/25/2008 | 08:05:58 | 0.096                     |
| 743        | 09/25/2008 | 08:05:59 | 0.095                     |
| 744        | 09/25/2008 | 08:06:00 | 0.091                     |
| 745        | 09/25/2008 | 08:06:01 | 0.088                     |
| 746        | 09/25/2008 | 08:06:02 | 0.094                     |
| 747        | 09/25/2008 | 08:06:03 | 0.112                     |
| 748        | 09/25/2008 | 08:06:04 | 0.111                     |
| 749        | 09/25/2008 | 08:06:05 | 0.104                     |
| 750        | 09/25/2008 | 08:06:06 | 0.133                     |
| 751        | 09/25/2008 | 08:06:07 | 0.089                     |
| 752        | 09/25/2008 | 08:06:08 | 0.092                     |
| 753        | 09/25/2008 | 08:06:09 | 0.090                     |
| 754        | 09/25/2008 | 08:06:10 | 0.097                     |
| 755        | 09/25/2008 | 08:06:11 | 0.089                     |
| 756        | 09/25/2008 | 08:06:12 | 0.094                     |
| 757        | 09/25/2008 | 08:06:13 | 0.097                     |
| 758        | 09/25/2008 | 08:06:14 | 0.093                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 759        | 09/25/2008 | 08:06:15 | 0.089                     |
| 760        | 09/25/2008 | 08:06:16 | 0.092                     |
| 761        | 09/25/2008 | 08:06:17 | 0.095                     |
| 762        | 09/25/2008 | 08:06:18 | 0.116                     |
| 763        | 09/25/2008 | 08:06:19 | 0.117                     |
| 764        | 09/25/2008 | 08:06:20 | 0.086                     |
| 765        | 09/25/2008 | 08:06:21 | 0.086                     |
| 766        | 09/25/2008 | 08:06:22 | 0.106                     |
| 767        | 09/25/2008 | 08:06:23 | 0.092                     |
| 768        | 09/25/2008 | 08:06:24 | 0.093                     |
| 769        | 09/25/2008 | 08:06:25 | 0.101                     |
| 770        | 09/25/2008 | 08:06:26 | 0.092                     |
| 771        | 09/25/2008 | 08:06:27 | 0.093                     |
| 772        | 09/25/2008 | 08:06:28 | 0.100                     |
| 773        | 09/25/2008 | 08:06:29 | 0.097                     |
| 774        | 09/25/2008 | 08:06:30 | 0.092                     |
| 775        | 09/25/2008 | 08:06:31 | 0.092                     |
| 776        | 09/25/2008 | 08:06:32 | 0.112                     |
| 777        | 09/25/2008 | 08:06:33 | 0.094                     |
| 778        | 09/25/2008 | 08:06:34 | 0.099                     |
| 779        | 09/25/2008 | 08:06:35 | 0.093                     |
| 780        | 09/25/2008 | 08:06:36 | 0.094                     |
| 781        | 09/25/2008 | 08:06:37 | 0.081                     |
| 782        | 09/25/2008 | 08:06:38 | 0.096                     |
| 783        | 09/25/2008 | 08:06:39 | 0.091                     |
| 784        | 09/25/2008 | 08:06:40 | 0.103                     |
| 785        | 09/25/2008 | 08:06:41 | 0.130                     |
| 786        | 09/25/2008 | 08:06:42 | 0.092                     |
| 787        | 09/25/2008 | 08:06:43 | 0.099                     |
| 788        | 09/25/2008 | 08:06:44 | 0.094                     |
| 789        | 09/25/2008 | 08:06:45 | 0.092                     |
| 790        | 09/25/2008 | 08:06:46 | 0.092                     |
| 791        | 09/25/2008 | 08:06:47 | 0.096                     |
| 792        | 09/25/2008 | 08:06:48 | 0.091                     |
| 793        | 09/25/2008 | 08:06:49 | 0.089                     |
| 794        | 09/25/2008 | 08:06:50 | 0.099                     |
| 795        | 09/25/2008 | 08:06:51 | 0.098                     |
| 796        | 09/25/2008 | 08:06:52 | 0.098                     |
| 797        | 09/25/2008 | 08:06:53 | 0.092                     |
| 798        | 09/25/2008 | 08:06:54 | 0.099                     |
| 799        | 09/25/2008 | 08:06:55 | 0.096                     |
| 800        | 09/25/2008 | 08:06:56 | 0.099                     |
| 801        | 09/25/2008 | 08:06:57 | 0.088                     |
| 802        | 09/25/2008 | 08:06:58 | 0.106                     |
| 803        | 09/25/2008 | 08:06:59 | 0.103                     |
| 804        | 09/25/2008 | 08:07:00 | 0.082                     |
| 805        | 09/25/2008 | 08:07:01 | 0.090                     |
| 806        | 09/25/2008 | 08:07:02 | 0.093                     |
| 807        | 09/25/2008 | 08:07:03 | 0.088                     |
| 808        | 09/25/2008 | 08:07:04 | 0.087                     |
| 809        | 09/25/2008 | 08:07:05 | 0.090                     |
| 810        | 09/25/2008 | 08:07:06 | 0.130                     |
| 811        | 09/25/2008 | 08:07:07 | 0.097                     |
| 812        | 09/25/2008 | 08:07:08 | 0.089                     |
| 813        | 09/25/2008 | 08:07:09 | 0.089                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 814        | 09/25/2008 | 08:07:10 | 0.096                     |
| 815        | 09/25/2008 | 08:07:11 | 0.093                     |
| 816        | 09/25/2008 | 08:07:12 | 0.087                     |
| 817        | 09/25/2008 | 08:07:13 | 0.091                     |
| 818        | 09/25/2008 | 08:07:14 | 0.096                     |
| 819        | 09/25/2008 | 08:07:15 | 0.088                     |
| 820        | 09/25/2008 | 08:07:16 | 0.100                     |
| 821        | 09/25/2008 | 08:07:17 | 0.093                     |
| 822        | 09/25/2008 | 08:07:18 | 0.093                     |
| 823        | 09/25/2008 | 08:07:19 | 0.083                     |
| 824        | 09/25/2008 | 08:07:20 | 0.103                     |
| 825        | 09/25/2008 | 08:07:21 | 0.114                     |
| 826        | 09/25/2008 | 08:07:22 | 0.100                     |
| 827        | 09/25/2008 | 08:07:23 | 0.093                     |
| 828        | 09/25/2008 | 08:07:24 | 0.084                     |
| 829        | 09/25/2008 | 08:07:25 | 0.108                     |
| 830        | 09/25/2008 | 08:07:26 | 0.107                     |
| 831        | 09/25/2008 | 08:07:27 | 0.099                     |
| 832        | 09/25/2008 | 08:07:28 | 0.095                     |
| 833        | 09/25/2008 | 08:07:29 | 0.087                     |
| 834        | 09/25/2008 | 08:07:30 | 0.094                     |
| 835        | 09/25/2008 | 08:07:31 | 0.094                     |
| 836        | 09/25/2008 | 08:07:32 | 0.088                     |
| 837        | 09/25/2008 | 08:07:33 | 0.099                     |
| 838        | 09/25/2008 | 08:07:34 | 0.093                     |
| 839        | 09/25/2008 | 08:07:35 | 0.105                     |
| 840        | 09/25/2008 | 08:07:36 | 0.104                     |
| 841        | 09/25/2008 | 08:07:37 | 0.120                     |
| 842        | 09/25/2008 | 08:07:38 | 0.090                     |
| 843        | 09/25/2008 | 08:07:39 | 0.100                     |
| 844        | 09/25/2008 | 08:07:40 | 0.089                     |
| 845        | 09/25/2008 | 08:07:41 | 0.097                     |
| 846        | 09/25/2008 | 08:07:42 | 0.116                     |
| 847        | 09/25/2008 | 08:07:43 | 0.102                     |
| 848        | 09/25/2008 | 08:07:44 | 0.089                     |
| 849        | 09/25/2008 | 08:07:45 | 0.089                     |
| 850        | 09/25/2008 | 08:07:46 | 0.086                     |
| 851        | 09/25/2008 | 08:07:47 | 0.109                     |
| 852        | 09/25/2008 | 08:07:48 | 0.102                     |
| 853        | 09/25/2008 | 08:07:49 | 0.089                     |
| 854        | 09/25/2008 | 08:07:50 | 0.090                     |
| 855        | 09/25/2008 | 08:07:51 | 0.114                     |
| 856        | 09/25/2008 | 08:07:52 | 0.112                     |
| 857        | 09/25/2008 | 08:07:53 | 0.090                     |
| 858        | 09/25/2008 | 08:07:54 | 0.098                     |
| 859        | 09/25/2008 | 08:07:55 | 0.092                     |
| 860        | 09/25/2008 | 08:07:56 | 0.087                     |
| 861        | 09/25/2008 | 08:07:57 | 0.089                     |
| 862        | 09/25/2008 | 08:07:58 | 0.105                     |
| 863        | 09/25/2008 | 08:07:59 | 0.101                     |
| 864        | 09/25/2008 | 08:08:00 | 0.093                     |
| 865        | 09/25/2008 | 08:08:01 | 0.090                     |
| 866        | 09/25/2008 | 08:08:02 | 0.108                     |
| 867        | 09/25/2008 | 08:08:03 | 0.100                     |
| 868        | 09/25/2008 | 08:08:04 | 0.095                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 869        | 09/25/2008 | 08:08:05 | 0.091                     |
| 870        | 09/25/2008 | 08:08:06 | 0.092                     |
| 871        | 09/25/2008 | 08:08:07 | 0.096                     |
| 872        | 09/25/2008 | 08:08:08 | 0.084                     |
| 873        | 09/25/2008 | 08:08:09 | 0.087                     |
| 874        | 09/25/2008 | 08:08:10 | 0.095                     |
| 875        | 09/25/2008 | 08:08:11 | 0.091                     |
| 876        | 09/25/2008 | 08:08:12 | 0.096                     |
| 877        | 09/25/2008 | 08:08:13 | 0.097                     |
| 878        | 09/25/2008 | 08:08:14 | 0.089                     |
| 879        | 09/25/2008 | 08:08:15 | 0.096                     |
| 880        | 09/25/2008 | 08:08:16 | 0.093                     |
| 881        | 09/25/2008 | 08:08:17 | 0.093                     |
| 882        | 09/25/2008 | 08:08:18 | 0.092                     |
| 883        | 09/25/2008 | 08:08:19 | 0.090                     |
| 884        | 09/25/2008 | 08:08:20 | 0.091                     |
| 885        | 09/25/2008 | 08:08:21 | 0.087                     |
| 886        | 09/25/2008 | 08:08:22 | 0.103                     |
| 887        | 09/25/2008 | 08:08:23 | 0.114                     |
| 888        | 09/25/2008 | 08:08:24 | 0.092                     |
| 889        | 09/25/2008 | 08:08:25 | 0.095                     |
| 890        | 09/25/2008 | 08:08:26 | 0.090                     |
| 891        | 09/25/2008 | 08:08:27 | 0.099                     |
| 892        | 09/25/2008 | 08:08:28 | 0.100                     |
| 893        | 09/25/2008 | 08:08:29 | 0.086                     |
| 894        | 09/25/2008 | 08:08:30 | 0.094                     |
| 895        | 09/25/2008 | 08:08:31 | 0.093                     |
| 896        | 09/25/2008 | 08:08:32 | 0.087                     |
| 897        | 09/25/2008 | 08:08:33 | 0.088                     |
| 898        | 09/25/2008 | 08:08:34 | 0.099                     |
| 899        | 09/25/2008 | 08:08:35 | 0.094                     |
| 900        | 09/25/2008 | 08:08:36 | 0.085                     |
| 901        | 09/25/2008 | 08:08:37 | 0.097                     |
| 902        | 09/25/2008 | 08:08:38 | 0.090                     |
| 903        | 09/25/2008 | 08:08:39 | 0.088                     |
| 904        | 09/25/2008 | 08:08:40 | 0.090                     |
| 905        | 09/25/2008 | 08:08:41 | 0.101                     |
| 906        | 09/25/2008 | 08:08:42 | 0.087                     |
| 907        | 09/25/2008 | 08:08:43 | 0.096                     |
| 908        | 09/25/2008 | 08:08:44 | 0.098                     |
| 909        | 09/25/2008 | 08:08:45 | 0.096                     |
| 910        | 09/25/2008 | 08:08:46 | 0.092                     |
| 911        | 09/25/2008 | 08:08:47 | 0.092                     |
| 912        | 09/25/2008 | 08:08:48 | 0.091                     |
| 913        | 09/25/2008 | 08:08:49 | 0.096                     |
| 914        | 09/25/2008 | 08:08:50 | 0.096                     |
| 915        | 09/25/2008 | 08:08:51 | 0.104                     |
| 916        | 09/25/2008 | 08:08:52 | 0.091                     |
| 917        | 09/25/2008 | 08:08:53 | 0.105                     |
| 918        | 09/25/2008 | 08:08:54 | 0.094                     |
| 919        | 09/25/2008 | 08:08:55 | 0.084                     |
| 920        | 09/25/2008 | 08:08:56 | 0.086                     |
| 921        | 09/25/2008 | 08:08:57 | 0.093                     |
| 922        | 09/25/2008 | 08:08:58 | 0.118                     |
| 923        | 09/25/2008 | 08:08:59 | 0.100                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 924        | 09/25/2008 | 08:09:00 | 0.091                     |
| 925        | 09/25/2008 | 08:09:01 | 0.099                     |
| 926        | 09/25/2008 | 08:09:02 | 0.090                     |
| 927        | 09/25/2008 | 08:09:03 | 0.118                     |
| 928        | 09/25/2008 | 08:09:04 | 0.090                     |
| 929        | 09/25/2008 | 08:09:05 | 0.104                     |
| 930        | 09/25/2008 | 08:09:06 | 0.099                     |
| 931        | 09/25/2008 | 08:09:07 | 0.103                     |
| 932        | 09/25/2008 | 08:09:08 | 0.083                     |
| 933        | 09/25/2008 | 08:09:09 | 0.089                     |
| 934        | 09/25/2008 | 08:09:10 | 0.095                     |
| 935        | 09/25/2008 | 08:09:11 | 0.084                     |
| 936        | 09/25/2008 | 08:09:12 | 0.137                     |
| 937        | 09/25/2008 | 08:09:13 | 0.083                     |
| 938        | 09/25/2008 | 08:09:14 | 0.095                     |
| 939        | 09/25/2008 | 08:09:15 | 0.089                     |
| 940        | 09/25/2008 | 08:09:16 | 0.089                     |
| 941        | 09/25/2008 | 08:09:17 | 0.092                     |
| 942        | 09/25/2008 | 08:09:18 | 0.091                     |
| 943        | 09/25/2008 | 08:09:19 | 0.092                     |
| 944        | 09/25/2008 | 08:09:20 | 0.092                     |
| 945        | 09/25/2008 | 08:09:21 | 0.094                     |
| 946        | 09/25/2008 | 08:09:22 | 0.092                     |
| 947        | 09/25/2008 | 08:09:23 | 0.094                     |
| 948        | 09/25/2008 | 08:09:24 | 0.084                     |
| 949        | 09/25/2008 | 08:09:25 | 0.109                     |
| 950        | 09/25/2008 | 08:09:26 | 0.098                     |
| 951        | 09/25/2008 | 08:09:27 | 0.093                     |
| 952        | 09/25/2008 | 08:09:28 | 0.139                     |
| 953        | 09/25/2008 | 08:09:29 | 0.106                     |
| 954        | 09/25/2008 | 08:09:30 | 0.090                     |
| 955        | 09/25/2008 | 08:09:31 | 0.108                     |
| 956        | 09/25/2008 | 08:09:32 | 0.089                     |
| 957        | 09/25/2008 | 08:09:33 | 0.091                     |
| 958        | 09/25/2008 | 08:09:34 | 0.091                     |
| 959        | 09/25/2008 | 08:09:35 | 0.106                     |
| 960        | 09/25/2008 | 08:09:36 | 0.089                     |
| 961        | 09/25/2008 | 08:09:37 | 0.091                     |
| 962        | 09/25/2008 | 08:09:38 | 0.097                     |
| 963        | 09/25/2008 | 08:09:39 | 0.088                     |
| 964        | 09/25/2008 | 08:09:40 | 0.098                     |
| 965        | 09/25/2008 | 08:09:41 | 0.095                     |
| 966        | 09/25/2008 | 08:09:42 | 0.095                     |
| 967        | 09/25/2008 | 08:09:43 | 0.089                     |
| 968        | 09/25/2008 | 08:09:44 | 0.098                     |
| 969        | 09/25/2008 | 08:09:45 | 0.092                     |
| 970        | 09/25/2008 | 08:09:46 | 0.089                     |
| 971        | 09/25/2008 | 08:09:47 | 0.093                     |
| 972        | 09/25/2008 | 08:09:48 | 0.092                     |
| 973        | 09/25/2008 | 08:09:49 | 0.099                     |
| 974        | 09/25/2008 | 08:09:50 | 0.100                     |
| 975        | 09/25/2008 | 08:09:51 | 0.110                     |
| 976        | 09/25/2008 | 08:09:52 | 0.083                     |
| 977        | 09/25/2008 | 08:09:53 | 0.093                     |
| 978        | 09/25/2008 | 08:09:54 | 0.096                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 979        | 09/25/2008 | 08:09:55 | 0.089                     |
| 980        | 09/25/2008 | 08:09:56 | 0.089                     |
| 981        | 09/25/2008 | 08:09:57 | 0.112                     |
| 982        | 09/25/2008 | 08:09:58 | 0.102                     |
| 983        | 09/25/2008 | 08:09:59 | 0.094                     |
| 984        | 09/25/2008 | 08:10:00 | 0.085                     |
| 985        | 09/25/2008 | 08:10:01 | 0.088                     |
| 986        | 09/25/2008 | 08:10:02 | 0.109                     |
| 987        | 09/25/2008 | 08:10:03 | 0.102                     |
| 988        | 09/25/2008 | 08:10:04 | 0.088                     |
| 989        | 09/25/2008 | 08:10:05 | 0.097                     |
| 990        | 09/25/2008 | 08:10:06 | 0.089                     |
| 991        | 09/25/2008 | 08:10:07 | 0.087                     |
| 992        | 09/25/2008 | 08:10:08 | 0.090                     |
| 993        | 09/25/2008 | 08:10:09 | 0.088                     |
| 994        | 09/25/2008 | 08:10:10 | 0.092                     |
| 995        | 09/25/2008 | 08:10:11 | 0.102                     |
| 996        | 09/25/2008 | 08:10:12 | 0.101                     |
| 997        | 09/25/2008 | 08:10:13 | 0.097                     |
| 998        | 09/25/2008 | 08:10:14 | 0.096                     |
| 999        | 09/25/2008 | 08:10:15 | 0.097                     |
| 1000       | 09/25/2008 | 08:10:16 | 0.086                     |
| 1001       | 09/25/2008 | 08:10:17 | 0.097                     |
| 1002       | 09/25/2008 | 08:10:18 | 0.088                     |
| 1003       | 09/25/2008 | 08:10:19 | 0.107                     |
| 1004       | 09/25/2008 | 08:10:20 | 0.090                     |
| 1005       | 09/25/2008 | 08:10:21 | 0.096                     |
| 1006       | 09/25/2008 | 08:10:22 | 0.090                     |
| 1007       | 09/25/2008 | 08:10:23 | 0.237                     |
| 1008       | 09/25/2008 | 08:10:24 | 0.093                     |
| 1009       | 09/25/2008 | 08:10:25 | 0.088                     |
| 1010       | 09/25/2008 | 08:10:26 | 0.096                     |
| 1011       | 09/25/2008 | 08:10:27 | 0.096                     |
| 1012       | 09/25/2008 | 08:10:28 | 0.094                     |
| 1013       | 09/25/2008 | 08:10:29 | 0.091                     |
| 1014       | 09/25/2008 | 08:10:30 | 0.092                     |
| 1015       | 09/25/2008 | 08:10:31 | 0.093                     |
| 1016       | 09/25/2008 | 08:10:32 | 0.092                     |
| 1017       | 09/25/2008 | 08:10:33 | 0.095                     |
| 1018       | 09/25/2008 | 08:10:34 | 0.088                     |
| 1019       | 09/25/2008 | 08:10:35 | 0.090                     |
| 1020       | 09/25/2008 | 08:10:36 | 0.091                     |
| 1021       | 09/25/2008 | 08:10:37 | 0.107                     |
| 1022       | 09/25/2008 | 08:10:38 | 0.093                     |
| 1023       | 09/25/2008 | 08:10:39 | 0.105                     |
| 1024       | 09/25/2008 | 08:10:40 | 0.090                     |
| 1025       | 09/25/2008 | 08:10:41 | 0.092                     |
| 1026       | 09/25/2008 | 08:10:42 | 0.088                     |
| 1027       | 09/25/2008 | 08:10:43 | 0.088                     |
| 1028       | 09/25/2008 | 08:10:44 | 0.105                     |
| 1029       | 09/25/2008 | 08:10:45 | 0.089                     |
| 1030       | 09/25/2008 | 08:10:46 | 0.096                     |
| 1031       | 09/25/2008 | 08:10:47 | 0.094                     |
| 1032       | 09/25/2008 | 08:10:48 | 0.097                     |
| 1033       | 09/25/2008 | 08:10:49 | 0.087                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1034       | 09/25/2008 | 08:10:50 | 0.091                     |
| 1035       | 09/25/2008 | 08:10:51 | 0.089                     |
| 1036       | 09/25/2008 | 08:10:52 | 0.104                     |
| 1037       | 09/25/2008 | 08:10:53 | 0.088                     |
| 1038       | 09/25/2008 | 08:10:54 | 0.088                     |
| 1039       | 09/25/2008 | 08:10:55 | 0.098                     |
| 1040       | 09/25/2008 | 08:10:56 | 0.099                     |
| 1041       | 09/25/2008 | 08:10:57 | 0.101                     |
| 1042       | 09/25/2008 | 08:10:58 | 0.094                     |
| 1043       | 09/25/2008 | 08:10:59 | 0.096                     |
| 1044       | 09/25/2008 | 08:11:00 | 0.095                     |
| 1045       | 09/25/2008 | 08:11:01 | 0.100                     |
| 1046       | 09/25/2008 | 08:11:02 | 0.108                     |
| 1047       | 09/25/2008 | 08:11:03 | 0.099                     |
| 1048       | 09/25/2008 | 08:11:04 | 0.114                     |
| 1049       | 09/25/2008 | 08:11:05 | 0.114                     |
| 1050       | 09/25/2008 | 08:11:06 | 0.164                     |
| 1051       | 09/25/2008 | 08:11:07 | 0.123                     |
| 1052       | 09/25/2008 | 08:11:08 | 0.111                     |
| 1053       | 09/25/2008 | 08:11:09 | 0.145                     |
| 1054       | 09/25/2008 | 08:11:10 | 0.120                     |
| 1055       | 09/25/2008 | 08:11:11 | 0.104                     |
| 1056       | 09/25/2008 | 08:11:12 | 0.089                     |
| 1057       | 09/25/2008 | 08:11:13 | 0.106                     |
| 1058       | 09/25/2008 | 08:11:14 | 0.102                     |
| 1059       | 09/25/2008 | 08:11:15 | 0.090                     |
| 1060       | 09/25/2008 | 08:11:16 | 0.094                     |
| 1061       | 09/25/2008 | 08:11:17 | 0.085                     |
| 1062       | 09/25/2008 | 08:11:18 | 0.091                     |
| 1063       | 09/25/2008 | 08:11:19 | 0.106                     |
| 1064       | 09/25/2008 | 08:11:20 | 0.105                     |
| 1065       | 09/25/2008 | 08:11:21 | 0.112                     |
| 1066       | 09/25/2008 | 08:11:22 | 0.095                     |
| 1067       | 09/25/2008 | 08:11:23 | 0.096                     |
| 1068       | 09/25/2008 | 08:11:24 | 0.093                     |
| 1069       | 09/25/2008 | 08:11:25 | 0.090                     |
| 1070       | 09/25/2008 | 08:11:26 | 0.092                     |
| 1071       | 09/25/2008 | 08:11:27 | 0.101                     |
| 1072       | 09/25/2008 | 08:11:28 | 0.098                     |
| 1073       | 09/25/2008 | 08:11:29 | 0.089                     |
| 1074       | 09/25/2008 | 08:11:30 | 0.101                     |
| 1075       | 09/25/2008 | 08:11:31 | 0.123                     |
| 1076       | 09/25/2008 | 08:11:32 | 0.102                     |
| 1077       | 09/25/2008 | 08:11:33 | 0.103                     |
| 1078       | 09/25/2008 | 08:11:34 | 0.116                     |
| 1079       | 09/25/2008 | 08:11:35 | 0.141                     |
| 1080       | 09/25/2008 | 08:11:36 | 0.097                     |
| 1081       | 09/25/2008 | 08:11:37 | 0.119                     |
| 1082       | 09/25/2008 | 08:11:38 | 0.184                     |
| 1083       | 09/25/2008 | 08:11:39 | 0.105                     |
| 1084       | 09/25/2008 | 08:11:40 | 0.125                     |
| 1085       | 09/25/2008 | 08:11:41 | 0.103                     |
| 1086       | 09/25/2008 | 08:11:42 | 0.099                     |
| 1087       | 09/25/2008 | 08:11:43 | 0.115                     |
| 1088       | 09/25/2008 | 08:11:44 | 0.096                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1089       | 09/25/2008 | 08:11:45 | 0.117                     |
| 1090       | 09/25/2008 | 08:11:46 | 0.106                     |
| 1091       | 09/25/2008 | 08:11:47 | 0.094                     |
| 1092       | 09/25/2008 | 08:11:48 | 0.103                     |
| 1093       | 09/25/2008 | 08:11:49 | 0.134                     |
| 1094       | 09/25/2008 | 08:11:50 | 0.096                     |
| 1095       | 09/25/2008 | 08:11:51 | 0.100                     |
| 1096       | 09/25/2008 | 08:11:52 | 0.085                     |
| 1097       | 09/25/2008 | 08:11:53 | 0.090                     |
| 1098       | 09/25/2008 | 08:11:54 | 0.104                     |
| 1099       | 09/25/2008 | 08:11:55 | 0.091                     |
| 1100       | 09/25/2008 | 08:11:56 | 0.091                     |
| 1101       | 09/25/2008 | 08:11:57 | 0.088                     |
| 1102       | 09/25/2008 | 08:11:58 | 0.110                     |
| 1103       | 09/25/2008 | 08:11:59 | 0.099                     |
| 1104       | 09/25/2008 | 08:12:00 | 0.118                     |
| 1105       | 09/25/2008 | 08:12:01 | 0.092                     |
| 1106       | 09/25/2008 | 08:12:02 | 0.112                     |
| 1107       | 09/25/2008 | 08:12:03 | 0.098                     |
| 1108       | 09/25/2008 | 08:12:04 | 0.103                     |
| 1109       | 09/25/2008 | 08:12:05 | 0.089                     |
| 1110       | 09/25/2008 | 08:12:06 | 0.088                     |
| 1111       | 09/25/2008 | 08:12:07 | 0.084                     |
| 1112       | 09/25/2008 | 08:12:08 | 0.104                     |
| 1113       | 09/25/2008 | 08:12:09 | 0.094                     |
| 1114       | 09/25/2008 | 08:12:10 | 0.110                     |
| 1115       | 09/25/2008 | 08:12:11 | 0.102                     |
| 1116       | 09/25/2008 | 08:12:12 | 0.091                     |
| 1117       | 09/25/2008 | 08:12:13 | 0.109                     |
| 1118       | 09/25/2008 | 08:12:14 | 0.108                     |
| 1119       | 09/25/2008 | 08:12:15 | 0.087                     |
| 1120       | 09/25/2008 | 08:12:16 | 0.088                     |
| 1121       | 09/25/2008 | 08:12:17 | 0.090                     |
| 1122       | 09/25/2008 | 08:12:18 | 0.090                     |
| 1123       | 09/25/2008 | 08:12:19 | 0.087                     |
| 1124       | 09/25/2008 | 08:12:20 | 0.094                     |
| 1125       | 09/25/2008 | 08:12:21 | 0.093                     |
| 1126       | 09/25/2008 | 08:12:22 | 0.089                     |
| 1127       | 09/25/2008 | 08:12:23 | 0.093                     |
| 1128       | 09/25/2008 | 08:12:24 | 0.090                     |
| 1129       | 09/25/2008 | 08:12:25 | 0.087                     |
| 1130       | 09/25/2008 | 08:12:26 | 0.105                     |
| 1131       | 09/25/2008 | 08:12:27 | 0.088                     |
| 1132       | 09/25/2008 | 08:12:28 | 0.086                     |
| 1133       | 09/25/2008 | 08:12:29 | 0.121                     |
| 1134       | 09/25/2008 | 08:12:30 | 0.130                     |
| 1135       | 09/25/2008 | 08:12:31 | 0.084                     |
| 1136       | 09/25/2008 | 08:12:32 | 0.137                     |
| 1137       | 09/25/2008 | 08:12:33 | 0.093                     |
| 1138       | 09/25/2008 | 08:12:34 | 0.084                     |
| 1139       | 09/25/2008 | 08:12:35 | 0.087                     |
| 1140       | 09/25/2008 | 08:12:36 | 0.088                     |
| 1141       | 09/25/2008 | 08:12:37 | 0.093                     |
| 1142       | 09/25/2008 | 08:12:38 | 0.087                     |
| 1143       | 09/25/2008 | 08:12:39 | 0.095                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1144       | 09/25/2008 | 08:12:40 | 0.105                     |
| 1145       | 09/25/2008 | 08:12:41 | 0.099                     |
| 1146       | 09/25/2008 | 08:12:42 | 0.107                     |
| 1147       | 09/25/2008 | 08:12:43 | 0.099                     |
| 1148       | 09/25/2008 | 08:12:44 | 0.102                     |
| 1149       | 09/25/2008 | 08:12:45 | 0.101                     |
| 1150       | 09/25/2008 | 08:12:46 | 0.101                     |
| 1151       | 09/25/2008 | 08:12:47 | 0.103                     |
| 1152       | 09/25/2008 | 08:12:48 | 0.112                     |
| 1153       | 09/25/2008 | 08:12:49 | 0.112                     |
| 1154       | 09/25/2008 | 08:12:50 | 0.094                     |
| 1155       | 09/25/2008 | 08:12:51 | 0.100                     |
| 1156       | 09/25/2008 | 08:12:52 | 0.121                     |
| 1157       | 09/25/2008 | 08:12:53 | 0.103                     |
| 1158       | 09/25/2008 | 08:12:54 | 0.090                     |
| 1159       | 09/25/2008 | 08:12:55 | 0.115                     |
| 1160       | 09/25/2008 | 08:12:56 | 0.091                     |
| 1161       | 09/25/2008 | 08:12:57 | 0.098                     |
| 1162       | 09/25/2008 | 08:12:58 | 0.121                     |
| 1163       | 09/25/2008 | 08:12:59 | 0.092                     |
| 1164       | 09/25/2008 | 08:13:00 | 0.099                     |
| 1165       | 09/25/2008 | 08:13:01 | 0.083                     |
| 1166       | 09/25/2008 | 08:13:02 | 0.096                     |
| 1167       | 09/25/2008 | 08:13:03 | 0.093                     |
| 1168       | 09/25/2008 | 08:13:04 | 0.085                     |
| 1169       | 09/25/2008 | 08:13:05 | 0.105                     |
| 1170       | 09/25/2008 | 08:13:06 | 0.140                     |
| 1171       | 09/25/2008 | 08:13:07 | 0.088                     |
| 1172       | 09/25/2008 | 08:13:08 | 0.104                     |
| 1173       | 09/25/2008 | 08:13:09 | 0.089                     |
| 1174       | 09/25/2008 | 08:13:10 | 0.088                     |
| 1175       | 09/25/2008 | 08:13:11 | 0.102                     |
| 1176       | 09/25/2008 | 08:13:12 | 0.088                     |
| 1177       | 09/25/2008 | 08:13:13 | 0.101                     |
| 1178       | 09/25/2008 | 08:13:14 | 0.086                     |
| 1179       | 09/25/2008 | 08:13:15 | 0.094                     |
| 1180       | 09/25/2008 | 08:13:16 | 0.089                     |
| 1181       | 09/25/2008 | 08:13:17 | 0.093                     |
| 1182       | 09/25/2008 | 08:13:18 | 0.096                     |
| 1183       | 09/25/2008 | 08:13:19 | 0.088                     |
| 1184       | 09/25/2008 | 08:13:20 | 0.087                     |
| 1185       | 09/25/2008 | 08:13:21 | 0.100                     |
| 1186       | 09/25/2008 | 08:13:22 | 0.136                     |
| 1187       | 09/25/2008 | 08:13:23 | 0.096                     |
| 1188       | 09/25/2008 | 08:13:24 | 0.165                     |
| 1189       | 09/25/2008 | 08:13:25 | 0.087                     |
| 1190       | 09/25/2008 | 08:13:26 | 0.085                     |
| 1191       | 09/25/2008 | 08:13:27 | 0.101                     |
| 1192       | 09/25/2008 | 08:13:28 | 0.134                     |
| 1193       | 09/25/2008 | 08:13:29 | 0.092                     |
| 1194       | 09/25/2008 | 08:13:30 | 0.091                     |
| 1195       | 09/25/2008 | 08:13:31 | 0.087                     |
| 1196       | 09/25/2008 | 08:13:32 | 0.098                     |
| 1197       | 09/25/2008 | 08:13:33 | 0.122                     |
| 1198       | 09/25/2008 | 08:13:34 | 0.089                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1199       | 09/25/2008 | 08:13:35 | 0.100                     |
| 1200       | 09/25/2008 | 08:13:36 | 0.088                     |
| 1201       | 09/25/2008 | 08:13:37 | 0.097                     |
| 1202       | 09/25/2008 | 08:13:38 | 0.103                     |
| 1203       | 09/25/2008 | 08:13:39 | 0.114                     |
| 1204       | 09/25/2008 | 08:13:40 | 0.084                     |
| 1205       | 09/25/2008 | 08:13:41 | 0.091                     |
| 1206       | 09/25/2008 | 08:13:42 | 0.092                     |
| 1207       | 09/25/2008 | 08:13:43 | 0.091                     |
| 1208       | 09/25/2008 | 08:13:44 | 0.102                     |
| 1209       | 09/25/2008 | 08:13:45 | 0.089                     |
| 1210       | 09/25/2008 | 08:13:46 | 0.086                     |
| 1211       | 09/25/2008 | 08:13:47 | 0.089                     |
| 1212       | 09/25/2008 | 08:13:48 | 0.082                     |
| 1213       | 09/25/2008 | 08:13:49 | 0.087                     |
| 1214       | 09/25/2008 | 08:13:50 | 0.090                     |
| 1215       | 09/25/2008 | 08:13:51 | 0.090                     |
| 1216       | 09/25/2008 | 08:13:52 | 0.091                     |
| 1217       | 09/25/2008 | 08:13:53 | 0.093                     |
| 1218       | 09/25/2008 | 08:13:54 | 0.134                     |
| 1219       | 09/25/2008 | 08:13:55 | 0.084                     |
| 1220       | 09/25/2008 | 08:13:56 | 0.091                     |
| 1221       | 09/25/2008 | 08:13:57 | 0.098                     |
| 1222       | 09/25/2008 | 08:13:58 | 0.101                     |
| 1223       | 09/25/2008 | 08:13:59 | 0.090                     |
| 1224       | 09/25/2008 | 08:14:00 | 0.091                     |
| 1225       | 09/25/2008 | 08:14:01 | 0.092                     |
| 1226       | 09/25/2008 | 08:14:02 | 0.088                     |
| 1227       | 09/25/2008 | 08:14:03 | 0.093                     |
| 1228       | 09/25/2008 | 08:14:04 | 0.083                     |
| 1229       | 09/25/2008 | 08:14:05 | 0.088                     |
| 1230       | 09/25/2008 | 08:14:06 | 0.093                     |
| 1231       | 09/25/2008 | 08:14:07 | 0.091                     |
| 1232       | 09/25/2008 | 08:14:08 | 0.095                     |
| 1233       | 09/25/2008 | 08:14:09 | 0.151                     |
| 1234       | 09/25/2008 | 08:14:10 | 0.217                     |
| 1235       | 09/25/2008 | 08:14:11 | 0.150                     |
| 1236       | 09/25/2008 | 08:14:12 | 0.119                     |
| 1237       | 09/25/2008 | 08:14:13 | 0.097                     |
| 1238       | 09/25/2008 | 08:14:14 | 0.124                     |
| 1239       | 09/25/2008 | 08:14:15 | 0.096                     |
| 1240       | 09/25/2008 | 08:14:16 | 0.104                     |
| 1241       | 09/25/2008 | 08:14:17 | 0.097                     |
| 1242       | 09/25/2008 | 08:14:18 | 0.093                     |
| 1243       | 09/25/2008 | 08:14:19 | 0.109                     |
| 1244       | 09/25/2008 | 08:14:20 | 0.114                     |
| 1245       | 09/25/2008 | 08:14:21 | 0.089                     |
| 1246       | 09/25/2008 | 08:14:22 | 0.093                     |
| 1247       | 09/25/2008 | 08:14:23 | 0.094                     |
| 1248       | 09/25/2008 | 08:14:24 | 0.095                     |
| 1249       | 09/25/2008 | 08:14:25 | 0.096                     |
| 1250       | 09/25/2008 | 08:14:26 | 0.104                     |
| 1251       | 09/25/2008 | 08:14:27 | 0.095                     |
| 1252       | 09/25/2008 | 08:14:28 | 0.100                     |
| 1253       | 09/25/2008 | 08:14:29 | 0.084                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1254       | 09/25/2008 | 08:14:30 | 0.089                     |
| 1255       | 09/25/2008 | 08:14:31 | 0.088                     |
| 1256       | 09/25/2008 | 08:14:32 | 0.096                     |
| 1257       | 09/25/2008 | 08:14:33 | 0.090                     |
| 1258       | 09/25/2008 | 08:14:34 | 0.084                     |
| 1259       | 09/25/2008 | 08:14:35 | 0.096                     |
| 1260       | 09/25/2008 | 08:14:36 | 0.108                     |
| 1261       | 09/25/2008 | 08:14:37 | 0.088                     |
| 1262       | 09/25/2008 | 08:14:38 | 0.086                     |
| 1263       | 09/25/2008 | 08:14:39 | 0.092                     |
| 1264       | 09/25/2008 | 08:14:40 | 0.116                     |
| 1265       | 09/25/2008 | 08:14:41 | 0.093                     |
| 1266       | 09/25/2008 | 08:14:42 | 0.096                     |
| 1267       | 09/25/2008 | 08:14:43 | 0.092                     |
| 1268       | 09/25/2008 | 08:14:44 | 0.089                     |
| 1269       | 09/25/2008 | 08:14:45 | 0.096                     |
| 1270       | 09/25/2008 | 08:14:46 | 0.102                     |
| 1271       | 09/25/2008 | 08:14:47 | 0.124                     |
| 1272       | 09/25/2008 | 08:14:48 | 0.089                     |
| 1273       | 09/25/2008 | 08:14:49 | 0.092                     |
| 1274       | 09/25/2008 | 08:14:50 | 0.086                     |
| 1275       | 09/25/2008 | 08:14:51 | 0.093                     |
| 1276       | 09/25/2008 | 08:14:52 | 0.088                     |
| 1277       | 09/25/2008 | 08:14:53 | 0.099                     |
| 1278       | 09/25/2008 | 08:14:54 | 0.099                     |
| 1279       | 09/25/2008 | 08:14:55 | 0.091                     |
| 1280       | 09/25/2008 | 08:14:56 | 0.091                     |
| 1281       | 09/25/2008 | 08:14:57 | 0.090                     |
| 1282       | 09/25/2008 | 08:14:58 | 0.097                     |
| 1283       | 09/25/2008 | 08:14:59 | 0.087                     |
| 1284       | 09/25/2008 | 08:15:00 | 0.087                     |
| 1285       | 09/25/2008 | 08:15:01 | 0.105                     |
| 1286       | 09/25/2008 | 08:15:02 | 0.097                     |
| 1287       | 09/25/2008 | 08:15:03 | 0.102                     |
| 1288       | 09/25/2008 | 08:15:04 | 0.092                     |
| 1289       | 09/25/2008 | 08:15:05 | 0.092                     |
| 1290       | 09/25/2008 | 08:15:06 | 0.097                     |
| 1291       | 09/25/2008 | 08:15:07 | 0.094                     |
| 1292       | 09/25/2008 | 08:15:08 | 0.100                     |
| 1293       | 09/25/2008 | 08:15:09 | 0.086                     |
| 1294       | 09/25/2008 | 08:15:10 | 0.098                     |
| 1295       | 09/25/2008 | 08:15:11 | 0.092                     |
| 1296       | 09/25/2008 | 08:15:12 | 0.093                     |
| 1297       | 09/25/2008 | 08:15:13 | 0.120                     |
| 1298       | 09/25/2008 | 08:15:14 | 0.095                     |
| 1299       | 09/25/2008 | 08:15:15 | 0.090                     |
| 1300       | 09/25/2008 | 08:15:16 | 0.088                     |
| 1301       | 09/25/2008 | 08:15:17 | 0.104                     |
| 1302       | 09/25/2008 | 08:15:18 | 0.081                     |
| 1303       | 09/25/2008 | 08:15:19 | 0.095                     |
| 1304       | 09/25/2008 | 08:15:20 | 0.091                     |
| 1305       | 09/25/2008 | 08:15:21 | 0.100                     |
| 1306       | 09/25/2008 | 08:15:22 | 0.107                     |
| 1307       | 09/25/2008 | 08:15:23 | 0.183                     |
| 1308       | 09/25/2008 | 08:15:24 | 0.147                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1309       | 09/25/2008 | 08:15:25 | 0.119                     |
| 1310       | 09/25/2008 | 08:15:26 | 0.090                     |
| 1311       | 09/25/2008 | 08:15:27 | 0.099                     |
| 1312       | 09/25/2008 | 08:15:28 | 0.099                     |
| 1313       | 09/25/2008 | 08:15:29 | 0.093                     |
| 1314       | 09/25/2008 | 08:15:30 | 0.095                     |
| 1315       | 09/25/2008 | 08:15:31 | 0.121                     |
| 1316       | 09/25/2008 | 08:15:32 | 0.105                     |
| 1317       | 09/25/2008 | 08:15:33 | 0.094                     |
| 1318       | 09/25/2008 | 08:15:34 | 0.109                     |
| 1319       | 09/25/2008 | 08:15:35 | 0.093                     |
| 1320       | 09/25/2008 | 08:15:36 | 0.091                     |
| 1321       | 09/25/2008 | 08:15:37 | 0.104                     |
| 1322       | 09/25/2008 | 08:15:38 | 0.124                     |
| 1323       | 09/25/2008 | 08:15:39 | 0.095                     |
| 1324       | 09/25/2008 | 08:15:40 | 0.087                     |
| 1325       | 09/25/2008 | 08:15:41 | 0.089                     |
| 1326       | 09/25/2008 | 08:15:42 | 0.085                     |
| 1327       | 09/25/2008 | 08:15:43 | 0.097                     |
| 1328       | 09/25/2008 | 08:15:44 | 0.088                     |
| 1329       | 09/25/2008 | 08:15:45 | 0.091                     |
| 1330       | 09/25/2008 | 08:15:46 | 0.091                     |
| 1331       | 09/25/2008 | 08:15:47 | 0.089                     |
| 1332       | 09/25/2008 | 08:15:48 | 0.097                     |
| 1333       | 09/25/2008 | 08:15:49 | 0.095                     |
| 1334       | 09/25/2008 | 08:15:50 | 0.103                     |
| 1335       | 09/25/2008 | 08:15:51 | 0.087                     |
| 1336       | 09/25/2008 | 08:15:52 | 0.092                     |
| 1337       | 09/25/2008 | 08:15:53 | 0.087                     |
| 1338       | 09/25/2008 | 08:15:54 | 0.099                     |
| 1339       | 09/25/2008 | 08:15:55 | 0.094                     |
| 1340       | 09/25/2008 | 08:15:56 | 0.089                     |
| 1341       | 09/25/2008 | 08:15:57 | 0.090                     |
| 1342       | 09/25/2008 | 08:15:58 | 0.101                     |
| 1343       | 09/25/2008 | 08:15:59 | 0.106                     |
| 1344       | 09/25/2008 | 08:16:00 | 0.092                     |
| 1345       | 09/25/2008 | 08:16:01 | 0.164                     |
| 1346       | 09/25/2008 | 08:16:02 | 0.090                     |
| 1347       | 09/25/2008 | 08:16:03 | 0.097                     |
| 1348       | 09/25/2008 | 08:16:04 | 0.086                     |
| 1349       | 09/25/2008 | 08:16:05 | 0.105                     |
| 1350       | 09/25/2008 | 08:16:06 | 0.083                     |
| 1351       | 09/25/2008 | 08:16:07 | 0.119                     |
| 1352       | 09/25/2008 | 08:16:08 | 0.102                     |
| 1353       | 09/25/2008 | 08:16:09 | 0.095                     |
| 1354       | 09/25/2008 | 08:16:10 | 0.089                     |
| 1355       | 09/25/2008 | 08:16:11 | 0.091                     |
| 1356       | 09/25/2008 | 08:16:12 | 0.098                     |
| 1357       | 09/25/2008 | 08:16:13 | 0.108                     |
| 1358       | 09/25/2008 | 08:16:14 | 0.099                     |
| 1359       | 09/25/2008 | 08:16:15 | 0.095                     |
| 1360       | 09/25/2008 | 08:16:16 | 0.089                     |
| 1361       | 09/25/2008 | 08:16:17 | 0.096                     |
| 1362       | 09/25/2008 | 08:16:18 | 0.098                     |
| 1363       | 09/25/2008 | 08:16:19 | 0.096                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1364       | 09/25/2008 | 08:16:20 | 0.102                     |
| 1365       | 09/25/2008 | 08:16:21 | 0.103                     |
| 1366       | 09/25/2008 | 08:16:22 | 0.094                     |
| 1367       | 09/25/2008 | 08:16:23 | 0.096                     |
| 1368       | 09/25/2008 | 08:16:24 | 0.102                     |
| 1369       | 09/25/2008 | 08:16:25 | 0.100                     |
| 1370       | 09/25/2008 | 08:16:26 | 0.092                     |
| 1371       | 09/25/2008 | 08:16:27 | 0.089                     |
| 1372       | 09/25/2008 | 08:16:28 | 0.089                     |
| 1373       | 09/25/2008 | 08:16:29 | 0.089                     |
| 1374       | 09/25/2008 | 08:16:30 | 0.096                     |
| 1375       | 09/25/2008 | 08:16:31 | 0.097                     |
| 1376       | 09/25/2008 | 08:16:32 | 0.092                     |
| 1377       | 09/25/2008 | 08:16:33 | 0.084                     |
| 1378       | 09/25/2008 | 08:16:34 | 0.108                     |
| 1379       | 09/25/2008 | 08:16:35 | 0.101                     |
| 1380       | 09/25/2008 | 08:16:36 | 0.131                     |
| 1381       | 09/25/2008 | 08:16:37 | 0.098                     |
| 1382       | 09/25/2008 | 08:16:38 | 0.104                     |
| 1383       | 09/25/2008 | 08:16:39 | 0.094                     |
| 1384       | 09/25/2008 | 08:16:40 | 0.095                     |
| 1385       | 09/25/2008 | 08:16:41 | 0.105                     |
| 1386       | 09/25/2008 | 08:16:42 | 0.101                     |
| 1387       | 09/25/2008 | 08:16:43 | 0.146                     |
| 1388       | 09/25/2008 | 08:16:44 | 0.097                     |
| 1389       | 09/25/2008 | 08:16:45 | 0.088                     |
| 1390       | 09/25/2008 | 08:16:46 | 0.094                     |
| 1391       | 09/25/2008 | 08:16:47 | 0.092                     |
| 1392       | 09/25/2008 | 08:16:48 | 0.090                     |
| 1393       | 09/25/2008 | 08:16:49 | 0.093                     |
| 1394       | 09/25/2008 | 08:16:50 | 0.092                     |
| 1395       | 09/25/2008 | 08:16:51 | 0.145                     |
| 1396       | 09/25/2008 | 08:16:52 | 0.088                     |
| 1397       | 09/25/2008 | 08:16:53 | 0.098                     |
| 1398       | 09/25/2008 | 08:16:54 | 0.081                     |
| 1399       | 09/25/2008 | 08:16:55 | 0.097                     |
| 1400       | 09/25/2008 | 08:16:56 | 0.108                     |
| 1401       | 09/25/2008 | 08:16:57 | 0.088                     |
| 1402       | 09/25/2008 | 08:16:58 | 0.094                     |
| 1403       | 09/25/2008 | 08:16:59 | 0.100                     |
| 1404       | 09/25/2008 | 08:17:00 | 0.093                     |
| 1405       | 09/25/2008 | 08:17:01 | 0.096                     |
| 1406       | 09/25/2008 | 08:17:02 | 0.093                     |
| 1407       | 09/25/2008 | 08:17:03 | 0.093                     |
| 1408       | 09/25/2008 | 08:17:04 | 0.098                     |
| 1409       | 09/25/2008 | 08:17:05 | 0.098                     |
| 1410       | 09/25/2008 | 08:17:06 | 0.093                     |
| 1411       | 09/25/2008 | 08:17:07 | 0.085                     |
| 1412       | 09/25/2008 | 08:17:08 | 0.091                     |
| 1413       | 09/25/2008 | 08:17:09 | 0.087                     |
| 1414       | 09/25/2008 | 08:17:10 | 0.088                     |
| 1415       | 09/25/2008 | 08:17:11 | 0.107                     |
| 1416       | 09/25/2008 | 08:17:12 | 0.105                     |
| 1417       | 09/25/2008 | 08:17:13 | 0.101                     |
| 1418       | 09/25/2008 | 08:17:14 | 0.083                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1419       | 09/25/2008 | 08:17:15 | 0.097                     |
| 1420       | 09/25/2008 | 08:17:16 | 0.093                     |
| 1421       | 09/25/2008 | 08:17:17 | 0.132                     |
| 1422       | 09/25/2008 | 08:17:18 | 0.092                     |
| 1423       | 09/25/2008 | 08:17:19 | 0.173                     |
| 1424       | 09/25/2008 | 08:17:20 | 0.098                     |
| 1425       | 09/25/2008 | 08:17:21 | 0.094                     |
| 1426       | 09/25/2008 | 08:17:22 | 0.089                     |
| 1427       | 09/25/2008 | 08:17:23 | 0.096                     |
| 1428       | 09/25/2008 | 08:17:24 | 0.085                     |
| 1429       | 09/25/2008 | 08:17:25 | 0.114                     |
| 1430       | 09/25/2008 | 08:17:26 | 0.096                     |
| 1431       | 09/25/2008 | 08:17:27 | 0.102                     |
| 1432       | 09/25/2008 | 08:17:28 | 0.088                     |
| 1433       | 09/25/2008 | 08:17:29 | 0.207                     |
| 1434       | 09/25/2008 | 08:17:30 | 0.093                     |
| 1435       | 09/25/2008 | 08:17:31 | 0.094                     |
| 1436       | 09/25/2008 | 08:17:32 | 0.085                     |
| 1437       | 09/25/2008 | 08:17:33 | 0.087                     |
| 1438       | 09/25/2008 | 08:17:34 | 0.088                     |
| 1439       | 09/25/2008 | 08:17:35 | 0.100                     |
| 1440       | 09/25/2008 | 08:17:36 | 0.083                     |
| 1441       | 09/25/2008 | 08:17:37 | 0.081                     |
| 1442       | 09/25/2008 | 08:17:38 | 0.089                     |
| 1443       | 09/25/2008 | 08:17:39 | 0.089                     |
| 1444       | 09/25/2008 | 08:17:40 | 0.095                     |
| 1445       | 09/25/2008 | 08:17:41 | 0.086                     |
| 1446       | 09/25/2008 | 08:17:42 | 0.092                     |
| 1447       | 09/25/2008 | 08:17:43 | 0.086                     |
| 1448       | 09/25/2008 | 08:17:44 | 0.096                     |
| 1449       | 09/25/2008 | 08:17:45 | 0.087                     |
| 1450       | 09/25/2008 | 08:17:46 | 0.118                     |
| 1451       | 09/25/2008 | 08:17:47 | 0.090                     |
| 1452       | 09/25/2008 | 08:17:48 | 0.098                     |
| 1453       | 09/25/2008 | 08:17:49 | 0.095                     |
| 1454       | 09/25/2008 | 08:17:50 | 0.109                     |
| 1455       | 09/25/2008 | 08:17:51 | 0.094                     |
| 1456       | 09/25/2008 | 08:17:52 | 0.094                     |
| 1457       | 09/25/2008 | 08:17:53 | 0.088                     |
| 1458       | 09/25/2008 | 08:17:54 | 0.099                     |
| 1459       | 09/25/2008 | 08:17:55 | 0.081                     |
| 1460       | 09/25/2008 | 08:17:56 | 0.098                     |
| 1461       | 09/25/2008 | 08:17:57 | 0.100                     |
| 1462       | 09/25/2008 | 08:17:58 | 0.093                     |
| 1463       | 09/25/2008 | 08:17:59 | 0.099                     |
| 1464       | 09/25/2008 | 08:18:00 | 0.088                     |
| 1465       | 09/25/2008 | 08:18:01 | 0.088                     |
| 1466       | 09/25/2008 | 08:18:02 | 0.090                     |
| 1467       | 09/25/2008 | 08:18:03 | 0.086                     |
| 1468       | 09/25/2008 | 08:18:04 | 0.090                     |
| 1469       | 09/25/2008 | 08:18:05 | 0.130                     |
| 1470       | 09/25/2008 | 08:18:06 | 0.087                     |
| 1471       | 09/25/2008 | 08:18:07 | 0.087                     |
| 1472       | 09/25/2008 | 08:18:08 | 0.091                     |
| 1473       | 09/25/2008 | 08:18:09 | 0.086                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1474       | 09/25/2008 | 08:18:10 | 0.092                     |
| 1475       | 09/25/2008 | 08:18:11 | 0.114                     |
| 1476       | 09/25/2008 | 08:18:12 | 0.084                     |
| 1477       | 09/25/2008 | 08:18:13 | 0.090                     |
| 1478       | 09/25/2008 | 08:18:14 | 0.089                     |
| 1479       | 09/25/2008 | 08:18:15 | 0.132                     |
| 1480       | 09/25/2008 | 08:18:16 | 0.099                     |
| 1481       | 09/25/2008 | 08:18:17 | 0.099                     |
| 1482       | 09/25/2008 | 08:18:18 | 0.086                     |
| 1483       | 09/25/2008 | 08:18:19 | 0.087                     |
| 1484       | 09/25/2008 | 08:18:20 | 0.084                     |
| 1485       | 09/25/2008 | 08:18:21 | 0.092                     |
| 1486       | 09/25/2008 | 08:18:22 | 0.083                     |
| 1487       | 09/25/2008 | 08:18:23 | 0.089                     |
| 1488       | 09/25/2008 | 08:18:24 | 0.111                     |
| 1489       | 09/25/2008 | 08:18:25 | 0.098                     |
| 1490       | 09/25/2008 | 08:18:26 | 0.095                     |
| 1491       | 09/25/2008 | 08:18:27 | 0.114                     |
| 1492       | 09/25/2008 | 08:18:28 | 0.088                     |
| 1493       | 09/25/2008 | 08:18:29 | 0.087                     |
| 1494       | 09/25/2008 | 08:18:30 | 0.089                     |
| 1495       | 09/25/2008 | 08:18:31 | 0.088                     |
| 1496       | 09/25/2008 | 08:18:32 | 0.085                     |
| 1497       | 09/25/2008 | 08:18:33 | 0.089                     |
| 1498       | 09/25/2008 | 08:18:34 | 0.092                     |
| 1499       | 09/25/2008 | 08:18:35 | 0.095                     |
| 1500       | 09/25/2008 | 08:18:36 | 0.104                     |
| 1501       | 09/25/2008 | 08:18:37 | 0.095                     |
| 1502       | 09/25/2008 | 08:18:38 | 0.085                     |
| 1503       | 09/25/2008 | 08:18:39 | 0.087                     |
| 1504       | 09/25/2008 | 08:18:40 | 0.098                     |
| 1505       | 09/25/2008 | 08:18:41 | 0.090                     |
| 1506       | 09/25/2008 | 08:18:42 | 0.092                     |
| 1507       | 09/25/2008 | 08:18:43 | 0.088                     |
| 1508       | 09/25/2008 | 08:18:44 | 0.092                     |
| 1509       | 09/25/2008 | 08:18:45 | 0.091                     |
| 1510       | 09/25/2008 | 08:18:46 | 0.088                     |
| 1511       | 09/25/2008 | 08:18:47 | 0.098                     |
| 1512       | 09/25/2008 | 08:18:48 | 0.108                     |
| 1513       | 09/25/2008 | 08:18:49 | 0.089                     |
| 1514       | 09/25/2008 | 08:18:50 | 0.128                     |
| 1515       | 09/25/2008 | 08:18:51 | 0.091                     |
| 1516       | 09/25/2008 | 08:18:52 | 0.090                     |
| 1517       | 09/25/2008 | 08:18:53 | 0.092                     |
| 1518       | 09/25/2008 | 08:18:54 | 0.088                     |
| 1519       | 09/25/2008 | 08:18:55 | 0.088                     |
| 1520       | 09/25/2008 | 08:18:56 | 0.084                     |
| 1521       | 09/25/2008 | 08:18:57 | 0.091                     |
| 1522       | 09/25/2008 | 08:18:58 | 0.099                     |
| 1523       | 09/25/2008 | 08:18:59 | 0.091                     |
| 1524       | 09/25/2008 | 08:19:00 | 0.114                     |
| 1525       | 09/25/2008 | 08:19:01 | 0.086                     |
| 1526       | 09/25/2008 | 08:19:02 | 0.089                     |
| 1527       | 09/25/2008 | 08:19:03 | 0.095                     |
| 1528       | 09/25/2008 | 08:19:04 | 0.086                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1529       | 09/25/2008 | 08:19:05 | 0.087                     |
| 1530       | 09/25/2008 | 08:19:06 | 0.089                     |
| 1531       | 09/25/2008 | 08:19:07 | 0.087                     |
| 1532       | 09/25/2008 | 08:19:08 | 0.093                     |
| 1533       | 09/25/2008 | 08:19:09 | 0.092                     |
| 1534       | 09/25/2008 | 08:19:10 | 0.101                     |
| 1535       | 09/25/2008 | 08:19:11 | 0.104                     |
| 1536       | 09/25/2008 | 08:19:12 | 0.093                     |
| 1537       | 09/25/2008 | 08:19:13 | 0.117                     |
| 1538       | 09/25/2008 | 08:19:14 | 0.090                     |
| 1539       | 09/25/2008 | 08:19:15 | 0.086                     |
| 1540       | 09/25/2008 | 08:19:16 | 0.088                     |
| 1541       | 09/25/2008 | 08:19:17 | 0.101                     |
| 1542       | 09/25/2008 | 08:19:18 | 0.104                     |
| 1543       | 09/25/2008 | 08:19:19 | 0.083                     |
| 1544       | 09/25/2008 | 08:19:20 | 0.088                     |
| 1545       | 09/25/2008 | 08:19:21 | 0.086                     |
| 1546       | 09/25/2008 | 08:19:22 | 0.091                     |
| 1547       | 09/25/2008 | 08:19:23 | 0.093                     |
| 1548       | 09/25/2008 | 08:19:24 | 0.091                     |
| 1549       | 09/25/2008 | 08:19:25 | 0.109                     |
| 1550       | 09/25/2008 | 08:19:26 | 0.093                     |
| 1551       | 09/25/2008 | 08:19:27 | 0.084                     |
| 1552       | 09/25/2008 | 08:19:28 | 0.084                     |
| 1553       | 09/25/2008 | 08:19:29 | 0.089                     |
| 1554       | 09/25/2008 | 08:19:30 | 0.100                     |
| 1555       | 09/25/2008 | 08:19:31 | 0.112                     |
| 1556       | 09/25/2008 | 08:19:32 | 0.130                     |
| 1557       | 09/25/2008 | 08:19:33 | 0.093                     |
| 1558       | 09/25/2008 | 08:19:34 | 0.087                     |
| 1559       | 09/25/2008 | 08:19:35 | 0.088                     |
| 1560       | 09/25/2008 | 08:19:36 | 0.093                     |
| 1561       | 09/25/2008 | 08:19:37 | 0.084                     |
| 1562       | 09/25/2008 | 08:19:38 | 0.086                     |
| 1563       | 09/25/2008 | 08:19:39 | 0.101                     |
| 1564       | 09/25/2008 | 08:19:40 | 0.106                     |
| 1565       | 09/25/2008 | 08:19:41 | 0.083                     |
| 1566       | 09/25/2008 | 08:19:42 | 0.093                     |
| 1567       | 09/25/2008 | 08:19:43 | 0.104                     |
| 1568       | 09/25/2008 | 08:19:44 | 0.090                     |
| 1569       | 09/25/2008 | 08:19:45 | 0.105                     |
| 1570       | 09/25/2008 | 08:19:46 | 0.101                     |
| 1571       | 09/25/2008 | 08:19:47 | 0.084                     |
| 1572       | 09/25/2008 | 08:19:48 | 0.099                     |
| 1573       | 09/25/2008 | 08:19:49 | 0.114                     |
| 1574       | 09/25/2008 | 08:19:50 | 0.115                     |
| 1575       | 09/25/2008 | 08:19:51 | 0.108                     |
| 1576       | 09/25/2008 | 08:19:52 | 0.083                     |
| 1577       | 09/25/2008 | 08:19:53 | 0.089                     |
| 1578       | 09/25/2008 | 08:19:54 | 0.088                     |
| 1579       | 09/25/2008 | 08:19:55 | 0.084                     |
| 1580       | 09/25/2008 | 08:19:56 | 0.084                     |
| 1581       | 09/25/2008 | 08:19:57 | 0.079                     |
| 1582       | 09/25/2008 | 08:19:58 | 0.096                     |
| 1583       | 09/25/2008 | 08:19:59 | 0.092                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1584       | 09/25/2008 | 08:20:00 | 0.092                     |
| 1585       | 09/25/2008 | 08:20:01 | 0.089                     |
| 1586       | 09/25/2008 | 08:20:02 | 0.084                     |
| 1587       | 09/25/2008 | 08:20:03 | 0.090                     |
| 1588       | 09/25/2008 | 08:20:04 | 0.120                     |
| 1589       | 09/25/2008 | 08:20:05 | 0.087                     |
| 1590       | 09/25/2008 | 08:20:06 | 0.094                     |
| 1591       | 09/25/2008 | 08:20:07 | 0.090                     |
| 1592       | 09/25/2008 | 08:20:08 | 0.092                     |
| 1593       | 09/25/2008 | 08:20:09 | 0.080                     |
| 1594       | 09/25/2008 | 08:20:10 | 0.092                     |
| 1595       | 09/25/2008 | 08:20:11 | 0.083                     |
| 1596       | 09/25/2008 | 08:20:12 | 0.085                     |
| 1597       | 09/25/2008 | 08:20:13 | 0.082                     |
| 1598       | 09/25/2008 | 08:20:14 | 0.090                     |
| 1599       | 09/25/2008 | 08:20:15 | 0.098                     |
| 1600       | 09/25/2008 | 08:20:16 | 0.083                     |
| 1601       | 09/25/2008 | 08:20:17 | 0.094                     |
| 1602       | 09/25/2008 | 08:20:18 | 0.084                     |
| 1603       | 09/25/2008 | 08:20:19 | 0.090                     |
| 1604       | 09/25/2008 | 08:20:20 | 0.084                     |
| 1605       | 09/25/2008 | 08:20:21 | 0.099                     |
| 1606       | 09/25/2008 | 08:20:22 | 0.090                     |
| 1607       | 09/25/2008 | 08:20:23 | 0.129                     |
| 1608       | 09/25/2008 | 08:20:24 | 0.090                     |
| 1609       | 09/25/2008 | 08:20:25 | 0.094                     |
| 1610       | 09/25/2008 | 08:20:26 | 0.085                     |
| 1611       | 09/25/2008 | 08:20:27 | 0.095                     |
| 1612       | 09/25/2008 | 08:20:28 | 0.099                     |
| 1613       | 09/25/2008 | 08:20:29 | 0.093                     |
| 1614       | 09/25/2008 | 08:20:30 | 0.093                     |
| 1615       | 09/25/2008 | 08:20:31 | 0.091                     |
| 1616       | 09/25/2008 | 08:20:32 | 0.084                     |
| 1617       | 09/25/2008 | 08:20:33 | 0.088                     |
| 1618       | 09/25/2008 | 08:20:34 | 0.089                     |
| 1619       | 09/25/2008 | 08:20:35 | 0.094                     |
| 1620       | 09/25/2008 | 08:20:36 | 0.107                     |
| 1621       | 09/25/2008 | 08:20:37 | 0.090                     |
| 1622       | 09/25/2008 | 08:20:38 | 0.085                     |
| 1623       | 09/25/2008 | 08:20:39 | 0.091                     |
| 1624       | 09/25/2008 | 08:20:40 | 0.089                     |
| 1625       | 09/25/2008 | 08:20:41 | 0.096                     |
| 1626       | 09/25/2008 | 08:20:42 | 0.089                     |
| 1627       | 09/25/2008 | 08:20:43 | 0.105                     |
| 1628       | 09/25/2008 | 08:20:44 | 0.087                     |
| 1629       | 09/25/2008 | 08:20:45 | 0.094                     |
| 1630       | 09/25/2008 | 08:20:46 | 0.103                     |
| 1631       | 09/25/2008 | 08:20:47 | 0.086                     |
| 1632       | 09/25/2008 | 08:20:48 | 0.090                     |
| 1633       | 09/25/2008 | 08:20:49 | 0.085                     |
| 1634       | 09/25/2008 | 08:20:50 | 0.087                     |
| 1635       | 09/25/2008 | 08:20:51 | 0.082                     |
| 1636       | 09/25/2008 | 08:20:52 | 0.098                     |
| 1637       | 09/25/2008 | 08:20:53 | 0.112                     |
| 1638       | 09/25/2008 | 08:20:54 | 0.088                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1639       | 09/25/2008 | 08:20:55 | 0.087                     |
| 1640       | 09/25/2008 | 08:20:56 | 0.132                     |
| 1641       | 09/25/2008 | 08:20:57 | 0.089                     |
| 1642       | 09/25/2008 | 08:20:58 | 0.092                     |
| 1643       | 09/25/2008 | 08:20:59 | 0.094                     |
| 1644       | 09/25/2008 | 08:21:00 | 0.086                     |
| 1645       | 09/25/2008 | 08:21:01 | 0.086                     |
| 1646       | 09/25/2008 | 08:21:02 | 0.095                     |
| 1647       | 09/25/2008 | 08:21:03 | 0.291                     |
| 1648       | 09/25/2008 | 08:21:04 | 0.092                     |
| 1649       | 09/25/2008 | 08:21:05 | 0.086                     |
| 1650       | 09/25/2008 | 08:21:06 | 0.090                     |
| 1651       | 09/25/2008 | 08:21:07 | 0.093                     |
| 1652       | 09/25/2008 | 08:21:08 | 0.091                     |
| 1653       | 09/25/2008 | 08:21:09 | 0.092                     |
| 1654       | 09/25/2008 | 08:21:10 | 0.087                     |
| 1655       | 09/25/2008 | 08:21:11 | 0.093                     |
| 1656       | 09/25/2008 | 08:21:12 | 0.112                     |
| 1657       | 09/25/2008 | 08:21:13 | 0.088                     |
| 1658       | 09/25/2008 | 08:21:14 | 0.081                     |
| 1659       | 09/25/2008 | 08:21:15 | 0.084                     |
| 1660       | 09/25/2008 | 08:21:16 | 0.087                     |
| 1661       | 09/25/2008 | 08:21:17 | 0.083                     |
| 1662       | 09/25/2008 | 08:21:18 | 0.085                     |
| 1663       | 09/25/2008 | 08:21:19 | 0.085                     |
| 1664       | 09/25/2008 | 08:21:20 | 0.092                     |
| 1665       | 09/25/2008 | 08:21:21 | 0.087                     |
| 1666       | 09/25/2008 | 08:21:22 | 0.090                     |
| 1667       | 09/25/2008 | 08:21:23 | 0.091                     |
| 1668       | 09/25/2008 | 08:21:24 | 0.092                     |
| 1669       | 09/25/2008 | 08:21:25 | 0.087                     |
| 1670       | 09/25/2008 | 08:21:26 | 0.103                     |
| 1671       | 09/25/2008 | 08:21:27 | 0.089                     |
| 1672       | 09/25/2008 | 08:21:28 | 0.089                     |
| 1673       | 09/25/2008 | 08:21:29 | 0.095                     |
| 1674       | 09/25/2008 | 08:21:30 | 0.101                     |
| 1675       | 09/25/2008 | 08:21:31 | 0.092                     |
| 1676       | 09/25/2008 | 08:21:32 | 0.091                     |
| 1677       | 09/25/2008 | 08:21:33 | 0.086                     |
| 1678       | 09/25/2008 | 08:21:34 | 0.089                     |
| 1679       | 09/25/2008 | 08:21:35 | 0.094                     |
| 1680       | 09/25/2008 | 08:21:36 | 0.095                     |
| 1681       | 09/25/2008 | 08:21:37 | 0.096                     |
| 1682       | 09/25/2008 | 08:21:38 | 0.089                     |
| 1683       | 09/25/2008 | 08:21:39 | 0.087                     |
| 1684       | 09/25/2008 | 08:21:40 | 0.093                     |
| 1685       | 09/25/2008 | 08:21:41 | 0.083                     |
| 1686       | 09/25/2008 | 08:21:42 | 0.126                     |
| 1687       | 09/25/2008 | 08:21:43 | 0.094                     |
| 1688       | 09/25/2008 | 08:21:44 | 0.098                     |
| 1689       | 09/25/2008 | 08:21:45 | 0.094                     |
| 1690       | 09/25/2008 | 08:21:46 | 0.086                     |
| 1691       | 09/25/2008 | 08:21:47 | 0.094                     |
| 1692       | 09/25/2008 | 08:21:48 | 0.094                     |
| 1693       | 09/25/2008 | 08:21:49 | 0.093                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1694       | 09/25/2008 | 08:21:50 | 0.088                     |
| 1695       | 09/25/2008 | 08:21:51 | 0.094                     |
| 1696       | 09/25/2008 | 08:21:52 | 0.099                     |
| 1697       | 09/25/2008 | 08:21:53 | 0.092                     |
| 1698       | 09/25/2008 | 08:21:54 | 0.117                     |
| 1699       | 09/25/2008 | 08:21:55 | 0.103                     |
| 1700       | 09/25/2008 | 08:21:56 | 0.090                     |
| 1701       | 09/25/2008 | 08:21:57 | 0.098                     |
| 1702       | 09/25/2008 | 08:21:58 | 0.082                     |
| 1703       | 09/25/2008 | 08:21:59 | 0.092                     |
| 1704       | 09/25/2008 | 08:22:00 | 0.093                     |
| 1705       | 09/25/2008 | 08:22:01 | 0.080                     |
| 1706       | 09/25/2008 | 08:22:02 | 0.084                     |
| 1707       | 09/25/2008 | 08:22:03 | 0.090                     |
| 1708       | 09/25/2008 | 08:22:04 | 0.100                     |
| 1709       | 09/25/2008 | 08:22:05 | 0.083                     |
| 1710       | 09/25/2008 | 08:22:06 | 0.087                     |
| 1711       | 09/25/2008 | 08:22:07 | 0.095                     |
| 1712       | 09/25/2008 | 08:22:08 | 0.106                     |
| 1713       | 09/25/2008 | 08:22:09 | 0.086                     |
| 1714       | 09/25/2008 | 08:22:10 | 0.085                     |
| 1715       | 09/25/2008 | 08:22:11 | 0.091                     |
| 1716       | 09/25/2008 | 08:22:12 | 0.092                     |
| 1717       | 09/25/2008 | 08:22:13 | 0.089                     |
| 1718       | 09/25/2008 | 08:22:14 | 0.092                     |
| 1719       | 09/25/2008 | 08:22:15 | 0.093                     |
| 1720       | 09/25/2008 | 08:22:16 | 0.096                     |
| 1721       | 09/25/2008 | 08:22:17 | 0.088                     |
| 1722       | 09/25/2008 | 08:22:18 | 0.086                     |
| 1723       | 09/25/2008 | 08:22:19 | 0.091                     |
| 1724       | 09/25/2008 | 08:22:20 | 0.084                     |
| 1725       | 09/25/2008 | 08:22:21 | 0.087                     |
| 1726       | 09/25/2008 | 08:22:22 | 0.088                     |
| 1727       | 09/25/2008 | 08:22:23 | 0.095                     |
| 1728       | 09/25/2008 | 08:22:24 | 0.098                     |
| 1729       | 09/25/2008 | 08:22:25 | 0.091                     |
| 1730       | 09/25/2008 | 08:22:26 | 0.092                     |
| 1731       | 09/25/2008 | 08:22:27 | 0.101                     |
| 1732       | 09/25/2008 | 08:22:28 | 0.111                     |
| 1733       | 09/25/2008 | 08:22:29 | 0.104                     |
| 1734       | 09/25/2008 | 08:22:30 | 0.085                     |
| 1735       | 09/25/2008 | 08:22:31 | 0.086                     |
| 1736       | 09/25/2008 | 08:22:32 | 0.084                     |
| 1737       | 09/25/2008 | 08:22:33 | 0.086                     |
| 1738       | 09/25/2008 | 08:22:34 | 0.091                     |
| 1739       | 09/25/2008 | 08:22:35 | 0.241                     |
| 1740       | 09/25/2008 | 08:22:36 | 0.088                     |
| 1741       | 09/25/2008 | 08:22:37 | 0.082                     |
| 1742       | 09/25/2008 | 08:22:38 | 0.151                     |
| 1743       | 09/25/2008 | 08:22:39 | 0.088                     |
| 1744       | 09/25/2008 | 08:22:40 | 0.097                     |
| 1745       | 09/25/2008 | 08:22:41 | 0.106                     |
| 1746       | 09/25/2008 | 08:22:42 | 0.095                     |
| 1747       | 09/25/2008 | 08:22:43 | 0.092                     |
| 1748       | 09/25/2008 | 08:22:44 | 0.089                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1749       | 09/25/2008 | 08:22:45 | 0.090                     |
| 1750       | 09/25/2008 | 08:22:46 | 0.100                     |
| 1751       | 09/25/2008 | 08:22:47 | 0.109                     |
| 1752       | 09/25/2008 | 08:22:48 | 0.094                     |
| 1753       | 09/25/2008 | 08:22:49 | 0.138                     |
| 1754       | 09/25/2008 | 08:22:50 | 0.088                     |
| 1755       | 09/25/2008 | 08:22:51 | 0.087                     |
| 1756       | 09/25/2008 | 08:22:52 | 0.090                     |
| 1757       | 09/25/2008 | 08:22:53 | 0.088                     |
| 1758       | 09/25/2008 | 08:22:54 | 0.098                     |
| 1759       | 09/25/2008 | 08:22:55 | 0.116                     |
| 1760       | 09/25/2008 | 08:22:56 | 0.097                     |
| 1761       | 09/25/2008 | 08:22:57 | 0.095                     |
| 1762       | 09/25/2008 | 08:22:58 | 0.087                     |
| 1763       | 09/25/2008 | 08:22:59 | 0.099                     |
| 1764       | 09/25/2008 | 08:23:00 | 0.091                     |
| 1765       | 09/25/2008 | 08:23:01 | 0.091                     |
| 1766       | 09/25/2008 | 08:23:02 | 0.109                     |
| 1767       | 09/25/2008 | 08:23:03 | 0.085                     |
| 1768       | 09/25/2008 | 08:23:04 | 0.098                     |
| 1769       | 09/25/2008 | 08:23:05 | 0.090                     |
| 1770       | 09/25/2008 | 08:23:06 | 0.088                     |
| 1771       | 09/25/2008 | 08:23:07 | 0.093                     |
| 1772       | 09/25/2008 | 08:23:08 | 0.098                     |
| 1773       | 09/25/2008 | 08:23:09 | 0.092                     |
| 1774       | 09/25/2008 | 08:23:10 | 0.096                     |
| 1775       | 09/25/2008 | 08:23:11 | 0.113                     |
| 1776       | 09/25/2008 | 08:23:12 | 0.086                     |
| 1777       | 09/25/2008 | 08:23:13 | 0.089                     |
| 1778       | 09/25/2008 | 08:23:14 | 0.083                     |
| 1779       | 09/25/2008 | 08:23:15 | 0.085                     |
| 1780       | 09/25/2008 | 08:23:16 | 0.087                     |
| 1781       | 09/25/2008 | 08:23:17 | 0.095                     |
| 1782       | 09/25/2008 | 08:23:18 | 0.091                     |
| 1783       | 09/25/2008 | 08:23:19 | 0.099                     |
| 1784       | 09/25/2008 | 08:23:20 | 0.088                     |
| 1785       | 09/25/2008 | 08:23:21 | 0.180                     |
| 1786       | 09/25/2008 | 08:23:22 | 0.104                     |
| 1787       | 09/25/2008 | 08:23:23 | 0.098                     |
| 1788       | 09/25/2008 | 08:23:24 | 0.101                     |
| 1789       | 09/25/2008 | 08:23:25 | 0.099                     |
| 1790       | 09/25/2008 | 08:23:26 | 0.094                     |
| 1791       | 09/25/2008 | 08:23:27 | 0.095                     |
| 1792       | 09/25/2008 | 08:23:28 | 0.096                     |
| 1793       | 09/25/2008 | 08:23:29 | 0.091                     |
| 1794       | 09/25/2008 | 08:23:30 | 0.096                     |
| 1795       | 09/25/2008 | 08:23:31 | 0.094                     |
| 1796       | 09/25/2008 | 08:23:32 | 0.097                     |
| 1797       | 09/25/2008 | 08:23:33 | 0.091                     |
| 1798       | 09/25/2008 | 08:23:34 | 0.099                     |
| 1799       | 09/25/2008 | 08:23:35 | 0.095                     |
| 1800       | 09/25/2008 | 08:23:36 | 0.102                     |
| 1801       | 09/25/2008 | 08:23:37 | 0.091                     |
| 1802       | 09/25/2008 | 08:23:38 | 0.085                     |
| 1803       | 09/25/2008 | 08:23:39 | 0.090                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1804       | 09/25/2008 | 08:23:40 | 0.109                     |
| 1805       | 09/25/2008 | 08:23:41 | 0.086                     |
| 1806       | 09/25/2008 | 08:23:42 | 0.087                     |
| 1807       | 09/25/2008 | 08:23:43 | 0.101                     |
| 1808       | 09/25/2008 | 08:23:44 | 0.087                     |
| 1809       | 09/25/2008 | 08:23:45 | 0.098                     |
| 1810       | 09/25/2008 | 08:23:46 | 0.102                     |
| 1811       | 09/25/2008 | 08:23:47 | 0.083                     |
| 1812       | 09/25/2008 | 08:23:48 | 0.089                     |
| 1813       | 09/25/2008 | 08:23:49 | 0.089                     |
| 1814       | 09/25/2008 | 08:23:50 | 0.092                     |
| 1815       | 09/25/2008 | 08:23:51 | 0.093                     |
| 1816       | 09/25/2008 | 08:23:52 | 0.101                     |
| 1817       | 09/25/2008 | 08:23:53 | 0.092                     |
| 1818       | 09/25/2008 | 08:23:54 | 0.084                     |
| 1819       | 09/25/2008 | 08:23:55 | 0.091                     |
| 1820       | 09/25/2008 | 08:23:56 | 0.087                     |
| 1821       | 09/25/2008 | 08:23:57 | 0.092                     |
| 1822       | 09/25/2008 | 08:23:58 | 0.083                     |
| 1823       | 09/25/2008 | 08:23:59 | 0.092                     |
| 1824       | 09/25/2008 | 08:24:00 | 0.096                     |
| 1825       | 09/25/2008 | 08:24:01 | 0.085                     |
| 1826       | 09/25/2008 | 08:24:02 | 0.089                     |
| 1827       | 09/25/2008 | 08:24:03 | 0.088                     |
| 1828       | 09/25/2008 | 08:24:04 | 0.097                     |
| 1829       | 09/25/2008 | 08:24:05 | 0.093                     |
| 1830       | 09/25/2008 | 08:24:06 | 0.103                     |
| 1831       | 09/25/2008 | 08:24:07 | 0.091                     |
| 1832       | 09/25/2008 | 08:24:08 | 0.094                     |
| 1833       | 09/25/2008 | 08:24:09 | 0.140                     |
| 1834       | 09/25/2008 | 08:24:10 | 0.112                     |
| 1835       | 09/25/2008 | 08:24:11 | 0.091                     |
| 1836       | 09/25/2008 | 08:24:12 | 0.087                     |
| 1837       | 09/25/2008 | 08:24:13 | 0.100                     |
| 1838       | 09/25/2008 | 08:24:14 | 0.089                     |
| 1839       | 09/25/2008 | 08:24:15 | 0.088                     |
| 1840       | 09/25/2008 | 08:24:16 | 0.083                     |
| 1841       | 09/25/2008 | 08:24:17 | 0.085                     |
| 1842       | 09/25/2008 | 08:24:18 | 0.093                     |
| 1843       | 09/25/2008 | 08:24:19 | 0.081                     |
| 1844       | 09/25/2008 | 08:24:20 | 0.088                     |
| 1845       | 09/25/2008 | 08:24:21 | 0.091                     |
| 1846       | 09/25/2008 | 08:24:22 | 0.091                     |
| 1847       | 09/25/2008 | 08:24:23 | 0.102                     |
| 1848       | 09/25/2008 | 08:24:24 | 0.088                     |
| 1849       | 09/25/2008 | 08:24:25 | 0.086                     |
| 1850       | 09/25/2008 | 08:24:26 | 0.107                     |
| 1851       | 09/25/2008 | 08:24:27 | 0.097                     |
| 1852       | 09/25/2008 | 08:24:28 | 0.091                     |
| 1853       | 09/25/2008 | 08:24:29 | 0.084                     |
| 1854       | 09/25/2008 | 08:24:30 | 0.083                     |
| 1855       | 09/25/2008 | 08:24:31 | 0.091                     |
| 1856       | 09/25/2008 | 08:24:32 | 0.081                     |
| 1857       | 09/25/2008 | 08:24:33 | 0.094                     |
| 1858       | 09/25/2008 | 08:24:34 | 0.084                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1859       | 09/25/2008 | 08:24:35 | 0.097                     |
| 1860       | 09/25/2008 | 08:24:36 | 0.091                     |
| 1861       | 09/25/2008 | 08:24:37 | 0.091                     |
| 1862       | 09/25/2008 | 08:24:38 | 0.120                     |
| 1863       | 09/25/2008 | 08:24:39 | 0.084                     |
| 1864       | 09/25/2008 | 08:24:40 | 0.092                     |
| 1865       | 09/25/2008 | 08:24:41 | 0.086                     |
| 1866       | 09/25/2008 | 08:24:42 | 0.091                     |
| 1867       | 09/25/2008 | 08:24:43 | 0.087                     |
| 1868       | 09/25/2008 | 08:24:44 | 0.087                     |
| 1869       | 09/25/2008 | 08:24:45 | 0.153                     |
| 1870       | 09/25/2008 | 08:24:46 | 0.091                     |
| 1871       | 09/25/2008 | 08:24:47 | 0.096                     |
| 1872       | 09/25/2008 | 08:24:48 | 0.088                     |
| 1873       | 09/25/2008 | 08:24:49 | 0.084                     |
| 1874       | 09/25/2008 | 08:24:50 | 0.090                     |
| 1875       | 09/25/2008 | 08:24:51 | 0.097                     |
| 1876       | 09/25/2008 | 08:24:52 | 0.091                     |
| 1877       | 09/25/2008 | 08:24:53 | 0.083                     |
| 1878       | 09/25/2008 | 08:24:54 | 0.086                     |
| 1879       | 09/25/2008 | 08:24:55 | 0.109                     |
| 1880       | 09/25/2008 | 08:24:56 | 0.120                     |
| 1881       | 09/25/2008 | 08:24:57 | 0.083                     |
| 1882       | 09/25/2008 | 08:24:58 | 0.092                     |
| 1883       | 09/25/2008 | 08:24:59 | 0.090                     |
| 1884       | 09/25/2008 | 08:25:00 | 0.084                     |
| 1885       | 09/25/2008 | 08:25:01 | 0.106                     |
| 1886       | 09/25/2008 | 08:25:02 | 0.080                     |
| 1887       | 09/25/2008 | 08:25:03 | 0.093                     |
| 1888       | 09/25/2008 | 08:25:04 | 0.101                     |
| 1889       | 09/25/2008 | 08:25:05 | 0.095                     |
| 1890       | 09/25/2008 | 08:25:06 | 0.088                     |
| 1891       | 09/25/2008 | 08:25:07 | 0.105                     |
| 1892       | 09/25/2008 | 08:25:08 | 0.088                     |
| 1893       | 09/25/2008 | 08:25:09 | 0.093                     |
| 1894       | 09/25/2008 | 08:25:10 | 0.084                     |
| 1895       | 09/25/2008 | 08:25:11 | 0.087                     |
| 1896       | 09/25/2008 | 08:25:12 | 0.093                     |
| 1897       | 09/25/2008 | 08:25:13 | 0.091                     |
| 1898       | 09/25/2008 | 08:25:14 | 0.096                     |
| 1899       | 09/25/2008 | 08:25:15 | 0.103                     |
| 1900       | 09/25/2008 | 08:25:16 | 0.135                     |
| 1901       | 09/25/2008 | 08:25:17 | 0.090                     |
| 1902       | 09/25/2008 | 08:25:18 | 0.093                     |
| 1903       | 09/25/2008 | 08:25:19 | 0.101                     |
| 1904       | 09/25/2008 | 08:25:20 | 0.098                     |
| 1905       | 09/25/2008 | 08:25:21 | 0.092                     |
| 1906       | 09/25/2008 | 08:25:22 | 0.089                     |
| 1907       | 09/25/2008 | 08:25:23 | 0.089                     |
| 1908       | 09/25/2008 | 08:25:24 | 0.094                     |
| 1909       | 09/25/2008 | 08:25:25 | 0.110                     |
| 1910       | 09/25/2008 | 08:25:26 | 0.086                     |
| 1911       | 09/25/2008 | 08:25:27 | 0.089                     |
| 1912       | 09/25/2008 | 08:25:28 | 0.104                     |
| 1913       | 09/25/2008 | 08:25:29 | 0.096                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1914       | 09/25/2008 | 08:25:30 | 0.094                     |
| 1915       | 09/25/2008 | 08:25:31 | 0.102                     |
| 1916       | 09/25/2008 | 08:25:32 | 0.087                     |
| 1917       | 09/25/2008 | 08:25:33 | 0.154                     |
| 1918       | 09/25/2008 | 08:25:34 | 0.089                     |
| 1919       | 09/25/2008 | 08:25:35 | 0.089                     |
| 1920       | 09/25/2008 | 08:25:36 | 0.087                     |
| 1921       | 09/25/2008 | 08:25:37 | 0.103                     |
| 1922       | 09/25/2008 | 08:25:38 | 0.088                     |
| 1923       | 09/25/2008 | 08:25:39 | 0.089                     |
| 1924       | 09/25/2008 | 08:25:40 | 0.084                     |
| 1925       | 09/25/2008 | 08:25:41 | 0.109                     |
| 1926       | 09/25/2008 | 08:25:42 | 0.087                     |
| 1927       | 09/25/2008 | 08:25:43 | 0.101                     |
| 1928       | 09/25/2008 | 08:25:44 | 0.089                     |
| 1929       | 09/25/2008 | 08:25:45 | 0.111                     |
| 1930       | 09/25/2008 | 08:25:46 | 0.089                     |
| 1931       | 09/25/2008 | 08:25:47 | 0.099                     |
| 1932       | 09/25/2008 | 08:25:48 | 0.143                     |
| 1933       | 09/25/2008 | 08:25:49 | 0.097                     |
| 1934       | 09/25/2008 | 08:25:50 | 0.096                     |
| 1935       | 09/25/2008 | 08:25:51 | 0.088                     |
| 1936       | 09/25/2008 | 08:25:52 | 0.128                     |
| 1937       | 09/25/2008 | 08:25:53 | 0.096                     |
| 1938       | 09/25/2008 | 08:25:54 | 0.087                     |
| 1939       | 09/25/2008 | 08:25:55 | 0.089                     |
| 1940       | 09/25/2008 | 08:25:56 | 0.086                     |
| 1941       | 09/25/2008 | 08:25:57 | 0.091                     |
| 1942       | 09/25/2008 | 08:25:58 | 0.081                     |
| 1943       | 09/25/2008 | 08:25:59 | 0.098                     |
| 1944       | 09/25/2008 | 08:26:00 | 0.113                     |
| 1945       | 09/25/2008 | 08:26:01 | 0.084                     |
| 1946       | 09/25/2008 | 08:26:02 | 0.097                     |
| 1947       | 09/25/2008 | 08:26:03 | 0.086                     |
| 1948       | 09/25/2008 | 08:26:04 | 0.096                     |
| 1949       | 09/25/2008 | 08:26:05 | 0.083                     |
| 1950       | 09/25/2008 | 08:26:06 | 0.088                     |
| 1951       | 09/25/2008 | 08:26:07 | 0.090                     |
| 1952       | 09/25/2008 | 08:26:08 | 0.099                     |
| 1953       | 09/25/2008 | 08:26:09 | 0.108                     |
| 1954       | 09/25/2008 | 08:26:10 | 0.088                     |
| 1955       | 09/25/2008 | 08:26:11 | 0.090                     |
| 1956       | 09/25/2008 | 08:26:12 | 0.087                     |
| 1957       | 09/25/2008 | 08:26:13 | 0.089                     |
| 1958       | 09/25/2008 | 08:26:14 | 0.088                     |
| 1959       | 09/25/2008 | 08:26:15 | 0.089                     |
| 1960       | 09/25/2008 | 08:26:16 | 0.090                     |
| 1961       | 09/25/2008 | 08:26:17 | 0.133                     |
| 1962       | 09/25/2008 | 08:26:18 | 0.093                     |
| 1963       | 09/25/2008 | 08:26:19 | 0.090                     |
| 1964       | 09/25/2008 | 08:26:20 | 0.088                     |
| 1965       | 09/25/2008 | 08:26:21 | 0.084                     |
| 1966       | 09/25/2008 | 08:26:22 | 0.104                     |
| 1967       | 09/25/2008 | 08:26:23 | 0.103                     |
| 1968       | 09/25/2008 | 08:26:24 | 0.084                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1969       | 09/25/2008 | 08:26:25 | 0.083                     |
| 1970       | 09/25/2008 | 08:26:26 | 0.085                     |
| 1971       | 09/25/2008 | 08:26:27 | 0.103                     |
| 1972       | 09/25/2008 | 08:26:28 | 0.099                     |
| 1973       | 09/25/2008 | 08:26:29 | 0.091                     |
| 1974       | 09/25/2008 | 08:26:30 | 0.094                     |
| 1975       | 09/25/2008 | 08:26:31 | 0.095                     |
| 1976       | 09/25/2008 | 08:26:32 | 0.109                     |
| 1977       | 09/25/2008 | 08:26:33 | 0.107                     |
| 1978       | 09/25/2008 | 08:26:34 | 0.093                     |
| 1979       | 09/25/2008 | 08:26:35 | 0.088                     |
| 1980       | 09/25/2008 | 08:26:36 | 0.123                     |
| 1981       | 09/25/2008 | 08:26:37 | 0.123                     |
| 1982       | 09/25/2008 | 08:26:38 | 0.095                     |
| 1983       | 09/25/2008 | 08:26:39 | 0.091                     |
| 1984       | 09/25/2008 | 08:26:40 | 0.092                     |
| 1985       | 09/25/2008 | 08:26:41 | 0.101                     |
| 1986       | 09/25/2008 | 08:26:42 | 0.089                     |
| 1987       | 09/25/2008 | 08:26:43 | 0.106                     |
| 1988       | 09/25/2008 | 08:26:44 | 0.104                     |
| 1989       | 09/25/2008 | 08:26:45 | 0.084                     |
| 1990       | 09/25/2008 | 08:26:46 | 0.085                     |
| 1991       | 09/25/2008 | 08:26:47 | 0.096                     |
| 1992       | 09/25/2008 | 08:26:48 | 0.083                     |
| 1993       | 09/25/2008 | 08:26:49 | 0.095                     |
| 1994       | 09/25/2008 | 08:26:50 | 0.086                     |
| 1995       | 09/25/2008 | 08:26:51 | 0.086                     |
| 1996       | 09/25/2008 | 08:26:52 | 0.094                     |
| 1997       | 09/25/2008 | 08:26:53 | 0.091                     |
| 1998       | 09/25/2008 | 08:26:54 | 0.095                     |
| 1999       | 09/25/2008 | 08:26:55 | 0.088                     |
| 2000       | 09/25/2008 | 08:26:56 | 0.087                     |
| 2001       | 09/25/2008 | 08:26:57 | 0.100                     |
| 2002       | 09/25/2008 | 08:26:58 | 0.084                     |
| 2003       | 09/25/2008 | 08:26:59 | 0.088                     |
| 2004       | 09/25/2008 | 08:27:00 | 0.089                     |
| 2005       | 09/25/2008 | 08:27:01 | 0.096                     |
| 2006       | 09/25/2008 | 08:27:02 | 0.104                     |
| 2007       | 09/25/2008 | 08:27:03 | 0.096                     |
| 2008       | 09/25/2008 | 08:27:04 | 0.089                     |
| 2009       | 09/25/2008 | 08:27:05 | 0.101                     |
| 2010       | 09/25/2008 | 08:27:06 | 0.091                     |
| 2011       | 09/25/2008 | 08:27:07 | 0.111                     |
| 2012       | 09/25/2008 | 08:27:08 | 0.088                     |
| 2013       | 09/25/2008 | 08:27:09 | 0.093                     |
| 2014       | 09/25/2008 | 08:27:10 | 0.104                     |
| 2015       | 09/25/2008 | 08:27:11 | 0.102                     |
| 2016       | 09/25/2008 | 08:27:12 | 0.090                     |
| 2017       | 09/25/2008 | 08:27:13 | 0.091                     |
| 2018       | 09/25/2008 | 08:27:14 | 0.104                     |
| 2019       | 09/25/2008 | 08:27:15 | 0.097                     |
| 2020       | 09/25/2008 | 08:27:16 | 0.097                     |
| 2021       | 09/25/2008 | 08:27:17 | 0.087                     |
| 2022       | 09/25/2008 | 08:27:18 | 0.102                     |
| 2023       | 09/25/2008 | 08:27:19 | 0.092                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 2024       | 09/25/2008 | 08:27:20 | 0.137                     |
| 2025       | 09/25/2008 | 08:27:21 | 0.087                     |
| 2026       | 09/25/2008 | 08:27:22 | 0.104                     |
| 2027       | 09/25/2008 | 08:27:23 | 0.090                     |
| 2028       | 09/25/2008 | 08:27:24 | 0.096                     |
| 2029       | 09/25/2008 | 08:27:25 | 0.109                     |
| 2030       | 09/25/2008 | 08:27:26 | 0.240                     |
| 2031       | 09/25/2008 | 08:27:27 | 0.092                     |
| 2032       | 09/25/2008 | 08:27:28 | 0.090                     |
| 2033       | 09/25/2008 | 08:27:29 | 0.088                     |
| 2034       | 09/25/2008 | 08:27:30 | 0.105                     |
| 2035       | 09/25/2008 | 08:27:31 | 0.094                     |
| 2036       | 09/25/2008 | 08:27:32 | 0.095                     |
| 2037       | 09/25/2008 | 08:27:33 | 0.098                     |
| 2038       | 09/25/2008 | 08:27:34 | 0.094                     |
| 2039       | 09/25/2008 | 08:27:35 | 0.090                     |
| 2040       | 09/25/2008 | 08:27:36 | 0.091                     |
| 2041       | 09/25/2008 | 08:27:37 | 0.092                     |
| 2042       | 09/25/2008 | 08:27:38 | 0.091                     |
| 2043       | 09/25/2008 | 08:27:39 | 0.099                     |
| 2044       | 09/25/2008 | 08:27:40 | 0.089                     |
| 2045       | 09/25/2008 | 08:27:41 | 0.105                     |
| 2046       | 09/25/2008 | 08:27:42 | 0.092                     |
| 2047       | 09/25/2008 | 08:27:43 | 0.086                     |
| 2048       | 09/25/2008 | 08:27:44 | 0.083                     |
| 2049       | 09/25/2008 | 08:27:45 | 0.094                     |
| 2050       | 09/25/2008 | 08:27:46 | 0.103                     |
| 2051       | 09/25/2008 | 08:27:47 | 0.091                     |
| 2052       | 09/25/2008 | 08:27:48 | 0.086                     |
| 2053       | 09/25/2008 | 08:27:49 | 0.090                     |
| 2054       | 09/25/2008 | 08:27:50 | 0.089                     |
| 2055       | 09/25/2008 | 08:27:51 | 0.105                     |
| 2056       | 09/25/2008 | 08:27:52 | 0.099                     |
| 2057       | 09/25/2008 | 08:27:53 | 0.087                     |
| 2058       | 09/25/2008 | 08:27:54 | 0.083                     |
| 2059       | 09/25/2008 | 08:27:55 | 0.085                     |
| 2060       | 09/25/2008 | 08:27:56 | 0.086                     |
| 2061       | 09/25/2008 | 08:27:57 | 0.092                     |
| 2062       | 09/25/2008 | 08:27:58 | 0.091                     |
| 2063       | 09/25/2008 | 08:27:59 | 0.115                     |
| 2064       | 09/25/2008 | 08:28:00 | 0.105                     |
| 2065       | 09/25/2008 | 08:28:01 | 0.116                     |
| 2066       | 09/25/2008 | 08:28:02 | 0.086                     |
| 2067       | 09/25/2008 | 08:28:03 | 0.086                     |
| 2068       | 09/25/2008 | 08:28:04 | 0.088                     |
| 2069       | 09/25/2008 | 08:28:05 | 0.182                     |
| 2070       | 09/25/2008 | 08:28:06 | 0.092                     |
| 2071       | 09/25/2008 | 08:28:07 | 0.107                     |
| 2072       | 09/25/2008 | 08:28:08 | 0.087                     |
| 2073       | 09/25/2008 | 08:28:09 | 0.091                     |
| 2074       | 09/25/2008 | 08:28:10 | 0.086                     |
| 2075       | 09/25/2008 | 08:28:11 | 0.140                     |
| 2076       | 09/25/2008 | 08:28:12 | 0.103                     |
| 2077       | 09/25/2008 | 08:28:13 | 0.101                     |
| 2078       | 09/25/2008 | 08:28:14 | 0.089                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 2079       | 09/25/2008 | 08:28:15 | 0.083                     |
| 2080       | 09/25/2008 | 08:28:16 | 0.112                     |
| 2081       | 09/25/2008 | 08:28:17 | 0.097                     |
| 2082       | 09/25/2008 | 08:28:18 | 0.117                     |
| 2083       | 09/25/2008 | 08:28:19 | 0.093                     |
| 2084       | 09/25/2008 | 08:28:20 | 0.115                     |
| 2085       | 09/25/2008 | 08:28:21 | 0.105                     |
| 2086       | 09/25/2008 | 08:28:22 | 0.094                     |
| 2087       | 09/25/2008 | 08:28:23 | 0.105                     |
| 2088       | 09/25/2008 | 08:28:24 | 0.089                     |
| 2089       | 09/25/2008 | 08:28:25 | 0.088                     |
| 2090       | 09/25/2008 | 08:28:26 | 0.089                     |
| 2091       | 09/25/2008 | 08:28:27 | 0.124                     |
| 2092       | 09/25/2008 | 08:28:28 | 0.098                     |
| 2093       | 09/25/2008 | 08:28:29 | 0.086                     |
| 2094       | 09/25/2008 | 08:28:30 | 0.088                     |
| 2095       | 09/25/2008 | 08:28:31 | 0.096                     |
| 2096       | 09/25/2008 | 08:28:32 | 0.088                     |
| 2097       | 09/25/2008 | 08:28:33 | 0.094                     |
| 2098       | 09/25/2008 | 08:28:34 | 0.091                     |
| 2099       | 09/25/2008 | 08:28:35 | 0.087                     |
| 2100       | 09/25/2008 | 08:28:36 | 0.086                     |
| 2101       | 09/25/2008 | 08:28:37 | 0.087                     |
| 2102       | 09/25/2008 | 08:28:38 | 0.092                     |
| 2103       | 09/25/2008 | 08:28:39 | 0.085                     |
| 2104       | 09/25/2008 | 08:28:40 | 0.090                     |
| 2105       | 09/25/2008 | 08:28:41 | 0.085                     |
| 2106       | 09/25/2008 | 08:28:42 | 0.094                     |
| 2107       | 09/25/2008 | 08:28:43 | 0.086                     |
| 2108       | 09/25/2008 | 08:28:44 | 0.106                     |
| 2109       | 09/25/2008 | 08:28:45 | 0.091                     |
| 2110       | 09/25/2008 | 08:28:46 | 0.086                     |
| 2111       | 09/25/2008 | 08:28:47 | 0.096                     |
| 2112       | 09/25/2008 | 08:28:48 | 0.096                     |
| 2113       | 09/25/2008 | 08:28:49 | 0.092                     |
| 2114       | 09/25/2008 | 08:28:50 | 0.085                     |
| 2115       | 09/25/2008 | 08:28:51 | 0.090                     |
| 2116       | 09/25/2008 | 08:28:52 | 0.090                     |
| 2117       | 09/25/2008 | 08:28:53 | 0.087                     |
| 2118       | 09/25/2008 | 08:28:54 | 0.085                     |
| 2119       | 09/25/2008 | 08:28:55 | 0.098                     |
| 2120       | 09/25/2008 | 08:28:56 | 0.116                     |
| 2121       | 09/25/2008 | 08:28:57 | 0.102                     |
| 2122       | 09/25/2008 | 08:28:58 | 0.098                     |
| 2123       | 09/25/2008 | 08:28:59 | 0.081                     |
| 2124       | 09/25/2008 | 08:29:00 | 0.084                     |
| 2125       | 09/25/2008 | 08:29:01 | 0.119                     |
| 2126       | 09/25/2008 | 08:29:02 | 0.095                     |
| 2127       | 09/25/2008 | 08:29:03 | 0.081                     |
| 2128       | 09/25/2008 | 08:29:04 | 0.095                     |
| 2129       | 09/25/2008 | 08:29:05 | 0.087                     |
| 2130       | 09/25/2008 | 08:29:06 | 0.090                     |
| 2131       | 09/25/2008 | 08:29:07 | 0.095                     |
| 2132       | 09/25/2008 | 08:29:08 | 0.087                     |
| 2133       | 09/25/2008 | 08:29:09 | 0.088                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 2134       | 09/25/2008 | 08:29:10 | 0.108                     |
| 2135       | 09/25/2008 | 08:29:11 | 0.089                     |
| 2136       | 09/25/2008 | 08:29:12 | 0.083                     |
| 2137       | 09/25/2008 | 08:29:13 | 0.094                     |
| 2138       | 09/25/2008 | 08:29:14 | 0.081                     |
| 2139       | 09/25/2008 | 08:29:15 | 0.095                     |
| 2140       | 09/25/2008 | 08:29:16 | 0.088                     |
| 2141       | 09/25/2008 | 08:29:17 | 0.081                     |
| 2142       | 09/25/2008 | 08:29:18 | 0.113                     |
| 2143       | 09/25/2008 | 08:29:19 | 0.087                     |
| 2144       | 09/25/2008 | 08:29:20 | 0.087                     |
| 2145       | 09/25/2008 | 08:29:21 | 0.082                     |
| 2146       | 09/25/2008 | 08:29:22 | 0.114                     |
| 2147       | 09/25/2008 | 08:29:23 | 0.089                     |
| 2148       | 09/25/2008 | 08:29:24 | 0.112                     |
| 2149       | 09/25/2008 | 08:29:25 | 0.122                     |
| 2150       | 09/25/2008 | 08:29:26 | 0.099                     |
| 2151       | 09/25/2008 | 08:29:27 | 0.089                     |
| 2152       | 09/25/2008 | 08:29:28 | 0.090                     |
| 2153       | 09/25/2008 | 08:29:29 | 0.155                     |
| 2154       | 09/25/2008 | 08:29:30 | 0.096                     |
| 2155       | 09/25/2008 | 08:29:31 | 0.128                     |
| 2156       | 09/25/2008 | 08:29:32 | 0.142                     |
| 2157       | 09/25/2008 | 08:29:33 | 0.088                     |
| 2158       | 09/25/2008 | 08:29:34 | 0.083                     |
| 2159       | 09/25/2008 | 08:29:35 | 0.091                     |
| 2160       | 09/25/2008 | 08:29:36 | 0.095                     |
| 2161       | 09/25/2008 | 08:29:37 | 0.097                     |
| 2162       | 09/25/2008 | 08:29:38 | 0.090                     |
| 2163       | 09/25/2008 | 08:29:39 | 0.087                     |
| 2164       | 09/25/2008 | 08:29:40 | 0.092                     |
| 2165       | 09/25/2008 | 08:29:41 | 0.082                     |
| 2166       | 09/25/2008 | 08:29:42 | 0.087                     |
| 2167       | 09/25/2008 | 08:29:43 | 0.144                     |
| 2168       | 09/25/2008 | 08:29:44 | 0.085                     |
| 2169       | 09/25/2008 | 08:29:45 | 0.113                     |
| 2170       | 09/25/2008 | 08:29:46 | 0.089                     |
| 2171       | 09/25/2008 | 08:29:47 | 0.092                     |
| 2172       | 09/25/2008 | 08:29:48 | 0.088                     |
| 2173       | 09/25/2008 | 08:29:49 | 0.087                     |
| 2174       | 09/25/2008 | 08:29:50 | 0.096                     |
| 2175       | 09/25/2008 | 08:29:51 | 0.081                     |
| 2176       | 09/25/2008 | 08:29:52 | 0.110                     |
| 2177       | 09/25/2008 | 08:29:53 | 0.093                     |
| 2178       | 09/25/2008 | 08:29:54 | 0.083                     |
| 2179       | 09/25/2008 | 08:29:55 | 0.104                     |
| 2180       | 09/25/2008 | 08:29:56 | 0.098                     |
| 2181       | 09/25/2008 | 08:29:57 | 0.100                     |
| 2182       | 09/25/2008 | 08:29:58 | 0.101                     |
| 2183       | 09/25/2008 | 08:29:59 | 0.104                     |
| 2184       | 09/25/2008 | 08:30:00 | 0.111                     |
| 2185       | 09/25/2008 | 08:30:01 | 0.110                     |
| 2186       | 09/25/2008 | 08:30:02 | 0.114                     |
| 2187       | 09/25/2008 | 08:30:03 | 0.091                     |
| 2188       | 09/25/2008 | 08:30:04 | 0.090                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 2189       | 09/25/2008 | 08:30:05 | 0.095                     |
| 2190       | 09/25/2008 | 08:30:06 | 0.101                     |
| 2191       | 09/25/2008 | 08:30:07 | 0.090                     |
| 2192       | 09/25/2008 | 08:30:08 | 0.101                     |
| 2193       | 09/25/2008 | 08:30:09 | 0.087                     |
| 2194       | 09/25/2008 | 08:30:10 | 0.089                     |
| 2195       | 09/25/2008 | 08:30:11 | 0.093                     |
| 2196       | 09/25/2008 | 08:30:12 | 0.094                     |
| 2197       | 09/25/2008 | 08:30:13 | 0.100                     |
| 2198       | 09/25/2008 | 08:30:14 | 0.114                     |
| 2199       | 09/25/2008 | 08:30:15 | 0.100                     |
| 2200       | 09/25/2008 | 08:30:16 | 0.091                     |
| 2201       | 09/25/2008 | 08:30:17 | 0.089                     |
| 2202       | 09/25/2008 | 08:30:18 | 0.086                     |
| 2203       | 09/25/2008 | 08:30:19 | 0.101                     |
| 2204       | 09/25/2008 | 08:30:20 | 0.100                     |
| 2205       | 09/25/2008 | 08:30:21 | 0.094                     |
| 2206       | 09/25/2008 | 08:30:22 | 0.088                     |
| 2207       | 09/25/2008 | 08:30:23 | 0.093                     |
| 2208       | 09/25/2008 | 08:30:24 | 0.121                     |
| 2209       | 09/25/2008 | 08:30:25 | 0.082                     |
| 2210       | 09/25/2008 | 08:30:26 | 0.108                     |
| 2211       | 09/25/2008 | 08:30:27 | 0.105                     |
| 2212       | 09/25/2008 | 08:30:28 | 0.080                     |
| 2213       | 09/25/2008 | 08:30:29 | 0.080                     |
| 2214       | 09/25/2008 | 08:30:30 | 0.088                     |
| 2215       | 09/25/2008 | 08:30:31 | 0.089                     |
| 2216       | 09/25/2008 | 08:30:32 | 0.088                     |
| 2217       | 09/25/2008 | 08:30:33 | 0.083                     |
| 2218       | 09/25/2008 | 08:30:34 | 0.090                     |
| 2219       | 09/25/2008 | 08:30:35 | 0.128                     |
| 2220       | 09/25/2008 | 08:30:36 | 0.102                     |
| 2221       | 09/25/2008 | 08:30:37 | 0.087                     |
| 2222       | 09/25/2008 | 08:30:38 | 0.101                     |
| 2223       | 09/25/2008 | 08:30:39 | 0.111                     |
| 2224       | 09/25/2008 | 08:30:40 | 0.084                     |
| 2225       | 09/25/2008 | 08:30:41 | 0.104                     |
| 2226       | 09/25/2008 | 08:30:42 | 0.087                     |
| 2227       | 09/25/2008 | 08:30:43 | 0.085                     |
| 2228       | 09/25/2008 | 08:30:44 | 0.089                     |
| 2229       | 09/25/2008 | 08:30:45 | 0.098                     |
| 2230       | 09/25/2008 | 08:30:46 | 0.094                     |
| 2231       | 09/25/2008 | 08:30:47 | 0.093                     |
| 2232       | 09/25/2008 | 08:30:48 | 0.086                     |
| 2233       | 09/25/2008 | 08:30:49 | 0.105                     |
| 2234       | 09/25/2008 | 08:30:50 | 0.083                     |
| 2235       | 09/25/2008 | 08:30:51 | 0.095                     |
| 2236       | 09/25/2008 | 08:30:52 | 0.111                     |
| 2237       | 09/25/2008 | 08:30:53 | 0.107                     |
| 2238       | 09/25/2008 | 08:30:54 | 0.094                     |
| 2239       | 09/25/2008 | 08:30:55 | 0.112                     |
| 2240       | 09/25/2008 | 08:30:56 | 0.082                     |
| 2241       | 09/25/2008 | 08:30:57 | 0.092                     |
| 2242       | 09/25/2008 | 08:30:58 | 0.084                     |
| 2243       | 09/25/2008 | 08:30:59 | 0.091                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 2244       | 09/25/2008 | 08:31:00 | 0.082                     |
| 2245       | 09/25/2008 | 08:31:01 | 0.091                     |
| 2246       | 09/25/2008 | 08:31:02 | 0.087                     |
| 2247       | 09/25/2008 | 08:31:03 | 0.098                     |
| 2248       | 09/25/2008 | 08:31:04 | 0.087                     |
| 2249       | 09/25/2008 | 08:31:05 | 0.084                     |
| 2250       | 09/25/2008 | 08:31:06 | 0.103                     |
| 2251       | 09/25/2008 | 08:31:07 | 0.088                     |
| 2252       | 09/25/2008 | 08:31:08 | 0.083                     |
| 2253       | 09/25/2008 | 08:31:09 | 0.142                     |
| 2254       | 09/25/2008 | 08:31:10 | 0.096                     |
| 2255       | 09/25/2008 | 08:31:11 | 0.097                     |
| 2256       | 09/25/2008 | 08:31:12 | 0.089                     |
| 2257       | 09/25/2008 | 08:31:13 | 0.097                     |
| 2258       | 09/25/2008 | 08:31:14 | 0.104                     |
| 2259       | 09/25/2008 | 08:31:15 | 0.096                     |
| 2260       | 09/25/2008 | 08:31:16 | 0.101                     |
| 2261       | 09/25/2008 | 08:31:17 | 0.118                     |
| 2262       | 09/25/2008 | 08:31:18 | 0.180                     |
| 2263       | 09/25/2008 | 08:31:19 | 0.082                     |
| 2264       | 09/25/2008 | 08:31:20 | 0.134                     |
| 2265       | 09/25/2008 | 08:31:21 | 0.116                     |
| 2266       | 09/25/2008 | 08:31:22 | 0.083                     |
| 2267       | 09/25/2008 | 08:31:23 | 0.096                     |
| 2268       | 09/25/2008 | 08:31:24 | 0.086                     |
| 2269       | 09/25/2008 | 08:31:25 | 0.093                     |
| 2270       | 09/25/2008 | 08:31:26 | 0.086                     |
| 2271       | 09/25/2008 | 08:31:27 | 0.095                     |
| 2272       | 09/25/2008 | 08:31:28 | 0.084                     |
| 2273       | 09/25/2008 | 08:31:29 | 0.086                     |
| 2274       | 09/25/2008 | 08:31:30 | 0.088                     |
| 2275       | 09/25/2008 | 08:31:31 | 0.091                     |
| 2276       | 09/25/2008 | 08:31:32 | 0.092                     |
| 2277       | 09/25/2008 | 08:31:33 | 0.103                     |
| 2278       | 09/25/2008 | 08:31:34 | 0.099                     |
| 2279       | 09/25/2008 | 08:31:35 | 0.088                     |
| 2280       | 09/25/2008 | 08:31:36 | 0.097                     |
| 2281       | 09/25/2008 | 08:31:37 | 0.096                     |
| 2282       | 09/25/2008 | 08:31:38 | 0.088                     |
| 2283       | 09/25/2008 | 08:31:39 | 0.096                     |
| 2284       | 09/25/2008 | 08:31:40 | 0.105                     |
| 2285       | 09/25/2008 | 08:31:41 | 0.080                     |
| 2286       | 09/25/2008 | 08:31:42 | 0.080                     |
| 2287       | 09/25/2008 | 08:31:43 | 0.089                     |
| 2288       | 09/25/2008 | 08:31:44 | 0.093                     |
| 2289       | 09/25/2008 | 08:31:45 | 0.103                     |
| 2290       | 09/25/2008 | 08:31:46 | 0.088                     |
| 2291       | 09/25/2008 | 08:31:47 | 0.094                     |
| 2292       | 09/25/2008 | 08:31:48 | 0.113                     |
| 2293       | 09/25/2008 | 08:31:49 | 0.100                     |
| 2294       | 09/25/2008 | 08:31:50 | 0.098                     |
| 2295       | 09/25/2008 | 08:31:51 | 0.092                     |
| 2296       | 09/25/2008 | 08:31:52 | 0.087                     |
| 2297       | 09/25/2008 | 08:31:53 | 0.090                     |
| 2298       | 09/25/2008 | 08:31:54 | 0.082                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 2299       | 09/25/2008 | 08:31:55 | 0.126                     |
| 2300       | 09/25/2008 | 08:31:56 | 0.107                     |
| 2301       | 09/25/2008 | 08:31:57 | 0.087                     |
| 2302       | 09/25/2008 | 08:31:58 | 0.081                     |
| 2303       | 09/25/2008 | 08:31:59 | 0.099                     |
| 2304       | 09/25/2008 | 08:32:00 | 0.089                     |
| 2305       | 09/25/2008 | 08:32:01 | 0.110                     |
| 2306       | 09/25/2008 | 08:32:02 | 0.091                     |
| 2307       | 09/25/2008 | 08:32:03 | 0.090                     |
| 2308       | 09/25/2008 | 08:32:04 | 0.102                     |
| 2309       | 09/25/2008 | 08:32:05 | 0.086                     |
| 2310       | 09/25/2008 | 08:32:06 | 0.141                     |
| 2311       | 09/25/2008 | 08:32:07 | 0.106                     |
| 2312       | 09/25/2008 | 08:32:08 | 0.086                     |
| 2313       | 09/25/2008 | 08:32:09 | 0.108                     |
| 2314       | 09/25/2008 | 08:32:10 | 0.089                     |
| 2315       | 09/25/2008 | 08:32:11 | 0.091                     |
| 2316       | 09/25/2008 | 08:32:12 | 0.088                     |
| 2317       | 09/25/2008 | 08:32:13 | 0.083                     |
| 2318       | 09/25/2008 | 08:32:14 | 0.085                     |
| 2319       | 09/25/2008 | 08:32:15 | 0.103                     |
| 2320       | 09/25/2008 | 08:32:16 | 0.106                     |
| 2321       | 09/25/2008 | 08:32:17 | 0.090                     |
| 2322       | 09/25/2008 | 08:32:18 | 0.086                     |
| 2323       | 09/25/2008 | 08:32:19 | 0.084                     |
| 2324       | 09/25/2008 | 08:32:20 | 0.122                     |
| 2325       | 09/25/2008 | 08:32:21 | 0.088                     |
| 2326       | 09/25/2008 | 08:32:22 | 0.088                     |
| 2327       | 09/25/2008 | 08:32:23 | 0.090                     |
| 2328       | 09/25/2008 | 08:32:24 | 0.121                     |
| 2329       | 09/25/2008 | 08:32:25 | 0.112                     |
| 2330       | 09/25/2008 | 08:32:26 | 0.097                     |
| 2331       | 09/25/2008 | 08:32:27 | 0.096                     |
| 2332       | 09/25/2008 | 08:32:28 | 0.086                     |
| 2333       | 09/25/2008 | 08:32:29 | 0.088                     |
| 2334       | 09/25/2008 | 08:32:30 | 0.095                     |
| 2335       | 09/25/2008 | 08:32:31 | 0.086                     |
| 2336       | 09/25/2008 | 08:32:32 | 0.084                     |
| 2337       | 09/25/2008 | 08:32:33 | 0.094                     |
| 2338       | 09/25/2008 | 08:32:34 | 0.087                     |
| 2339       | 09/25/2008 | 08:32:35 | 0.089                     |
| 2340       | 09/25/2008 | 08:32:36 | 0.090                     |
| 2341       | 09/25/2008 | 08:32:37 | 0.099                     |
| 2342       | 09/25/2008 | 08:32:38 | 0.094                     |
| 2343       | 09/25/2008 | 08:32:39 | 0.086                     |
| 2344       | 09/25/2008 | 08:32:40 | 0.096                     |
| 2345       | 09/25/2008 | 08:32:41 | 0.109                     |
| 2346       | 09/25/2008 | 08:32:42 | 0.084                     |
| 2347       | 09/25/2008 | 08:32:43 | 0.110                     |
| 2348       | 09/25/2008 | 08:32:44 | 0.097                     |
| 2349       | 09/25/2008 | 08:32:45 | 0.089                     |
| 2350       | 09/25/2008 | 08:32:46 | 0.113                     |
| 2351       | 09/25/2008 | 08:32:47 | 0.089                     |
| 2352       | 09/25/2008 | 08:32:48 | 0.084                     |
| 2353       | 09/25/2008 | 08:32:49 | 0.088                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 2354       | 09/25/2008 | 08:32:50 | 0.098                     |
| 2355       | 09/25/2008 | 08:32:51 | 0.091                     |
| 2356       | 09/25/2008 | 08:32:52 | 0.090                     |
| 2357       | 09/25/2008 | 08:32:53 | 0.093                     |
| 2358       | 09/25/2008 | 08:32:54 | 0.102                     |
| 2359       | 09/25/2008 | 08:32:55 | 0.086                     |
| 2360       | 09/25/2008 | 08:32:56 | 0.112                     |
| 2361       | 09/25/2008 | 08:32:57 | 0.092                     |
| 2362       | 09/25/2008 | 08:32:58 | 0.095                     |
| 2363       | 09/25/2008 | 08:32:59 | 0.095                     |
| 2364       | 09/25/2008 | 08:33:00 | 0.080                     |
| 2365       | 09/25/2008 | 08:33:01 | 0.086                     |
| 2366       | 09/25/2008 | 08:33:02 | 0.086                     |
| 2367       | 09/25/2008 | 08:33:03 | 0.090                     |
| 2368       | 09/25/2008 | 08:33:04 | 0.100                     |
| 2369       | 09/25/2008 | 08:33:05 | 0.094                     |
| 2370       | 09/25/2008 | 08:33:06 | 0.099                     |
| 2371       | 09/25/2008 | 08:33:07 | 0.092                     |
| 2372       | 09/25/2008 | 08:33:08 | 0.094                     |
| 2373       | 09/25/2008 | 08:33:09 | 0.088                     |
| 2374       | 09/25/2008 | 08:33:10 | 0.084                     |
| 2375       | 09/25/2008 | 08:33:11 | 0.116                     |
| 2376       | 09/25/2008 | 08:33:12 | 0.084                     |
| 2377       | 09/25/2008 | 08:33:13 | 0.085                     |
| 2378       | 09/25/2008 | 08:33:14 | 0.084                     |
| 2379       | 09/25/2008 | 08:33:15 | 0.086                     |
| 2380       | 09/25/2008 | 08:33:16 | 0.089                     |
| 2381       | 09/25/2008 | 08:33:17 | 0.108                     |
| 2382       | 09/25/2008 | 08:33:18 | 0.099                     |
| 2383       | 09/25/2008 | 08:33:19 | 0.087                     |
| 2384       | 09/25/2008 | 08:33:20 | 0.081                     |
| 2385       | 09/25/2008 | 08:33:21 | 0.103                     |
| 2386       | 09/25/2008 | 08:33:22 | 0.083                     |
| 2387       | 09/25/2008 | 08:33:23 | 0.107                     |
| 2388       | 09/25/2008 | 08:33:24 | 0.090                     |
| 2389       | 09/25/2008 | 08:33:25 | 0.087                     |
| 2390       | 09/25/2008 | 08:33:26 | 0.103                     |
| 2391       | 09/25/2008 | 08:33:27 | 0.085                     |
| 2392       | 09/25/2008 | 08:33:28 | 0.088                     |
| 2393       | 09/25/2008 | 08:33:29 | 0.105                     |
| 2394       | 09/25/2008 | 08:33:30 | 0.091                     |
| 2395       | 09/25/2008 | 08:33:31 | 0.088                     |
| 2396       | 09/25/2008 | 08:33:32 | 0.083                     |
| 2397       | 09/25/2008 | 08:33:33 | 0.101                     |
| 2398       | 09/25/2008 | 08:33:34 | 0.108                     |
| 2399       | 09/25/2008 | 08:33:35 | 0.104                     |
| 2400       | 09/25/2008 | 08:33:36 | 0.097                     |
| 2401       | 09/25/2008 | 08:33:37 | 0.141                     |
| 2402       | 09/25/2008 | 08:33:38 | 0.089                     |
| 2403       | 09/25/2008 | 08:33:39 | 0.081                     |
| 2404       | 09/25/2008 | 08:33:40 | 0.093                     |
| 2405       | 09/25/2008 | 08:33:41 | 0.094                     |
| 2406       | 09/25/2008 | 08:33:42 | 0.093                     |
| 2407       | 09/25/2008 | 08:33:43 | 0.109                     |
| 2408       | 09/25/2008 | 08:33:44 | 0.094                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 2409       | 09/25/2008 | 08:33:45 | 0.092                     |
| 2410       | 09/25/2008 | 08:33:46 | 0.084                     |
| 2411       | 09/25/2008 | 08:33:47 | 0.087                     |
| 2412       | 09/25/2008 | 08:33:48 | 0.095                     |
| 2413       | 09/25/2008 | 08:33:49 | 0.095                     |
| 2414       | 09/25/2008 | 08:33:50 | 0.112                     |
| 2415       | 09/25/2008 | 08:33:51 | 0.081                     |
| 2416       | 09/25/2008 | 08:33:52 | 0.142                     |
| 2417       | 09/25/2008 | 08:33:53 | 0.088                     |
| 2418       | 09/25/2008 | 08:33:54 | 0.083                     |
| 2419       | 09/25/2008 | 08:33:55 | 0.094                     |
| 2420       | 09/25/2008 | 08:33:56 | 0.079                     |
| 2421       | 09/25/2008 | 08:33:57 | 0.085                     |
| 2422       | 09/25/2008 | 08:33:58 | 0.086                     |
| 2423       | 09/25/2008 | 08:33:59 | 0.092                     |
| 2424       | 09/25/2008 | 08:34:00 | 0.087                     |
| 2425       | 09/25/2008 | 08:34:01 | 0.094                     |
| 2426       | 09/25/2008 | 08:34:02 | 0.090                     |
| 2427       | 09/25/2008 | 08:34:03 | 0.098                     |
| 2428       | 09/25/2008 | 08:34:04 | 0.093                     |
| 2429       | 09/25/2008 | 08:34:05 | 0.088                     |
| 2430       | 09/25/2008 | 08:34:06 | 0.089                     |
| 2431       | 09/25/2008 | 08:34:07 | 0.093                     |
| 2432       | 09/25/2008 | 08:34:08 | 0.107                     |
| 2433       | 09/25/2008 | 08:34:09 | 0.094                     |
| 2434       | 09/25/2008 | 08:34:10 | 0.088                     |
| 2435       | 09/25/2008 | 08:34:11 | 0.086                     |
| 2436       | 09/25/2008 | 08:34:12 | 0.088                     |
| 2437       | 09/25/2008 | 08:34:13 | 0.088                     |
| 2438       | 09/25/2008 | 08:34:14 | 0.087                     |
| 2439       | 09/25/2008 | 08:34:15 | 0.086                     |
| 2440       | 09/25/2008 | 08:34:16 | 0.105                     |
| 2441       | 09/25/2008 | 08:34:17 | 0.100                     |
| 2442       | 09/25/2008 | 08:34:18 | 0.083                     |
| 2443       | 09/25/2008 | 08:34:19 | 0.096                     |
| 2444       | 09/25/2008 | 08:34:20 | 0.088                     |
| 2445       | 09/25/2008 | 08:34:21 | 0.095                     |
| 2446       | 09/25/2008 | 08:34:22 | 0.086                     |
| 2447       | 09/25/2008 | 08:34:23 | 0.089                     |
| 2448       | 09/25/2008 | 08:34:24 | 0.099                     |
| 2449       | 09/25/2008 | 08:34:25 | 0.087                     |
| 2450       | 09/25/2008 | 08:34:26 | 0.085                     |
| 2451       | 09/25/2008 | 08:34:27 | 0.087                     |
| 2452       | 09/25/2008 | 08:34:28 | 0.118                     |
| 2453       | 09/25/2008 | 08:34:29 | 0.088                     |
| 2454       | 09/25/2008 | 08:34:30 | 0.085                     |
| 2455       | 09/25/2008 | 08:34:31 | 0.110                     |
| 2456       | 09/25/2008 | 08:34:32 | 0.092                     |
| 2457       | 09/25/2008 | 08:34:33 | 0.088                     |
| 2458       | 09/25/2008 | 08:34:34 | 0.097                     |
| 2459       | 09/25/2008 | 08:34:35 | 0.096                     |
| 2460       | 09/25/2008 | 08:34:36 | 0.085                     |
| 2461       | 09/25/2008 | 08:34:37 | 0.095                     |
| 2462       | 09/25/2008 | 08:34:38 | 0.089                     |
| 2463       | 09/25/2008 | 08:34:39 | 0.100                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 2464       | 09/25/2008 | 08:34:40 | 0.096                     |
| 2465       | 09/25/2008 | 08:34:41 | 0.091                     |
| 2466       | 09/25/2008 | 08:34:42 | 0.094                     |
| 2467       | 09/25/2008 | 08:34:43 | 0.081                     |
| 2468       | 09/25/2008 | 08:34:44 | 0.091                     |
| 2469       | 09/25/2008 | 08:34:45 | 0.096                     |
| 2470       | 09/25/2008 | 08:34:46 | 0.102                     |
| 2471       | 09/25/2008 | 08:34:47 | 0.091                     |
| 2472       | 09/25/2008 | 08:34:48 | 0.150                     |
| 2473       | 09/25/2008 | 08:34:49 | 0.094                     |
| 2474       | 09/25/2008 | 08:34:50 | 0.094                     |
| 2475       | 09/25/2008 | 08:34:51 | 0.106                     |
| 2476       | 09/25/2008 | 08:34:52 | 0.079                     |
| 2477       | 09/25/2008 | 08:34:53 | 0.089                     |
| 2478       | 09/25/2008 | 08:34:54 | 0.084                     |
| 2479       | 09/25/2008 | 08:34:55 | 0.107                     |
| 2480       | 09/25/2008 | 08:34:56 | 0.084                     |
| 2481       | 09/25/2008 | 08:34:57 | 0.091                     |
| 2482       | 09/25/2008 | 08:34:58 | 0.091                     |
| 2483       | 09/25/2008 | 08:34:59 | 0.087                     |
| 2484       | 09/25/2008 | 08:35:00 | 0.082                     |
| 2485       | 09/25/2008 | 08:35:01 | 0.089                     |
| 2486       | 09/25/2008 | 08:35:02 | 0.154                     |
| 2487       | 09/25/2008 | 08:35:03 | 0.086                     |
| 2488       | 09/25/2008 | 08:35:04 | 0.099                     |
| 2489       | 09/25/2008 | 08:35:05 | 0.084                     |
| 2490       | 09/25/2008 | 08:35:06 | 0.083                     |
| 2491       | 09/25/2008 | 08:35:07 | 0.162                     |
| 2492       | 09/25/2008 | 08:35:08 | 0.092                     |
| 2493       | 09/25/2008 | 08:35:09 | 0.087                     |
| 2494       | 09/25/2008 | 08:35:10 | 0.089                     |
| 2495       | 09/25/2008 | 08:35:11 | 0.091                     |
| 2496       | 09/25/2008 | 08:35:12 | 0.086                     |
| 2497       | 09/25/2008 | 08:35:13 | 0.088                     |
| 2498       | 09/25/2008 | 08:35:14 | 0.110                     |
| 2499       | 09/25/2008 | 08:35:15 | 0.094                     |
| 2500       | 09/25/2008 | 08:35:16 | 0.088                     |
| 2501       | 09/25/2008 | 08:35:17 | 0.087                     |
| 2502       | 09/25/2008 | 08:35:18 | 0.083                     |
| 2503       | 09/25/2008 | 08:35:19 | 0.087                     |
| 2504       | 09/25/2008 | 08:35:20 | 0.095                     |
| 2505       | 09/25/2008 | 08:35:21 | 0.087                     |
| 2506       | 09/25/2008 | 08:35:22 | 0.092                     |
| 2507       | 09/25/2008 | 08:35:23 | 0.100                     |
| 2508       | 09/25/2008 | 08:35:24 | 0.084                     |
| 2509       | 09/25/2008 | 08:35:25 | 0.091                     |
| 2510       | 09/25/2008 | 08:35:26 | 0.085                     |
| 2511       | 09/25/2008 | 08:35:27 | 0.102                     |
| 2512       | 09/25/2008 | 08:35:28 | 0.096                     |
| 2513       | 09/25/2008 | 08:35:29 | 0.087                     |
| 2514       | 09/25/2008 | 08:35:30 | 0.088                     |
| 2515       | 09/25/2008 | 08:35:31 | 0.085                     |
| 2516       | 09/25/2008 | 08:35:32 | 0.096                     |
| 2517       | 09/25/2008 | 08:35:33 | 0.087                     |
| 2518       | 09/25/2008 | 08:35:34 | 0.077                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 2519       | 09/25/2008 | 08:35:35 | 0.090                     |
| 2520       | 09/25/2008 | 08:35:36 | 0.096                     |
| 2521       | 09/25/2008 | 08:35:37 | 0.095                     |
| 2522       | 09/25/2008 | 08:35:38 | 0.080                     |
| 2523       | 09/25/2008 | 08:35:39 | 0.114                     |
| 2524       | 09/25/2008 | 08:35:40 | 0.100                     |
| 2525       | 09/25/2008 | 08:35:41 | 0.099                     |
| 2526       | 09/25/2008 | 08:35:42 | 0.082                     |
| 2527       | 09/25/2008 | 08:35:43 | 0.082                     |
| 2528       | 09/25/2008 | 08:35:44 | 0.115                     |
| 2529       | 09/25/2008 | 08:35:45 | 0.087                     |
| 2530       | 09/25/2008 | 08:35:46 | 0.083                     |
| 2531       | 09/25/2008 | 08:35:47 | 0.098                     |
| 2532       | 09/25/2008 | 08:35:48 | 0.084                     |
| 2533       | 09/25/2008 | 08:35:49 | 0.101                     |
| 2534       | 09/25/2008 | 08:35:50 | 0.098                     |
| 2535       | 09/25/2008 | 08:35:51 | 0.082                     |
| 2536       | 09/25/2008 | 08:35:52 | 0.099                     |
| 2537       | 09/25/2008 | 08:35:53 | 0.088                     |
| 2538       | 09/25/2008 | 08:35:54 | 0.113                     |
| 2539       | 09/25/2008 | 08:35:55 | 0.079                     |
| 2540       | 09/25/2008 | 08:35:56 | 0.082                     |
| 2541       | 09/25/2008 | 08:35:57 | 0.093                     |
| 2542       | 09/25/2008 | 08:35:58 | 0.084                     |
| 2543       | 09/25/2008 | 08:35:59 | 0.082                     |
| 2544       | 09/25/2008 | 08:36:00 | 0.092                     |
| 2545       | 09/25/2008 | 08:36:01 | 0.100                     |
| 2546       | 09/25/2008 | 08:36:02 | 0.079                     |
| 2547       | 09/25/2008 | 08:36:03 | 0.082                     |
| 2548       | 09/25/2008 | 08:36:04 | 0.084                     |
| 2549       | 09/25/2008 | 08:36:05 | 0.135                     |
| 2550       | 09/25/2008 | 08:36:06 | 0.088                     |
| 2551       | 09/25/2008 | 08:36:07 | 0.087                     |
| 2552       | 09/25/2008 | 08:36:08 | 0.089                     |
| 2553       | 09/25/2008 | 08:36:09 | 0.088                     |
| 2554       | 09/25/2008 | 08:36:10 | 0.088                     |
| 2555       | 09/25/2008 | 08:36:11 | 0.085                     |
| 2556       | 09/25/2008 | 08:36:12 | 0.089                     |
| 2557       | 09/25/2008 | 08:36:13 | 0.088                     |
| 2558       | 09/25/2008 | 08:36:14 | 0.108                     |
| 2559       | 09/25/2008 | 08:36:15 | 0.082                     |
| 2560       | 09/25/2008 | 08:36:16 | 0.083                     |
| 2561       | 09/25/2008 | 08:36:17 | 0.099                     |
| 2562       | 09/25/2008 | 08:36:18 | 0.078                     |
| 2563       | 09/25/2008 | 08:36:19 | 0.090                     |
| 2564       | 09/25/2008 | 08:36:20 | 0.094                     |
| 2565       | 09/25/2008 | 08:36:21 | 0.090                     |
| 2566       | 09/25/2008 | 08:36:22 | 0.081                     |
| 2567       | 09/25/2008 | 08:36:23 | 0.081                     |
| 2568       | 09/25/2008 | 08:36:24 | 0.088                     |
| 2569       | 09/25/2008 | 08:36:25 | 0.089                     |
| 2570       | 09/25/2008 | 08:36:26 | 0.087                     |
| 2571       | 09/25/2008 | 08:36:27 | 0.092                     |
| 2572       | 09/25/2008 | 08:36:28 | 0.091                     |
| 2573       | 09/25/2008 | 08:36:29 | 0.083                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 2574       | 09/25/2008 | 08:36:30 | 0.085                     |
| 2575       | 09/25/2008 | 08:36:31 | 0.087                     |
| 2576       | 09/25/2008 | 08:36:32 | 0.087                     |
| 2577       | 09/25/2008 | 08:36:33 | 0.102                     |
| 2578       | 09/25/2008 | 08:36:34 | 0.090                     |
| 2579       | 09/25/2008 | 08:36:35 | 0.082                     |
| 2580       | 09/25/2008 | 08:36:36 | 0.093                     |
| 2581       | 09/25/2008 | 08:36:37 | 0.093                     |
| 2582       | 09/25/2008 | 08:36:38 | 0.090                     |
| 2583       | 09/25/2008 | 08:36:39 | 0.103                     |
| 2584       | 09/25/2008 | 08:36:40 | 0.086                     |
| 2585       | 09/25/2008 | 08:36:41 | 0.084                     |
| 2586       | 09/25/2008 | 08:36:42 | 0.099                     |
| 2587       | 09/25/2008 | 08:36:43 | 0.078                     |
| 2588       | 09/25/2008 | 08:36:44 | 0.082                     |
| 2589       | 09/25/2008 | 08:36:45 | 0.092                     |
| 2590       | 09/25/2008 | 08:36:46 | 0.085                     |
| 2591       | 09/25/2008 | 08:36:47 | 0.113                     |
| 2592       | 09/25/2008 | 08:36:48 | 0.137                     |
| 2593       | 09/25/2008 | 08:36:49 | 0.092                     |
| 2594       | 09/25/2008 | 08:36:50 | 0.086                     |
| 2595       | 09/25/2008 | 08:36:51 | 0.085                     |
| 2596       | 09/25/2008 | 08:36:52 | 0.086                     |
| 2597       | 09/25/2008 | 08:36:53 | 0.117                     |
| 2598       | 09/25/2008 | 08:36:54 | 0.088                     |
| 2599       | 09/25/2008 | 08:36:55 | 0.087                     |
| 2600       | 09/25/2008 | 08:36:56 | 0.096                     |
| 2601       | 09/25/2008 | 08:36:57 | 0.095                     |
| 2602       | 09/25/2008 | 08:36:58 | 0.103                     |
| 2603       | 09/25/2008 | 08:36:59 | 0.098                     |
| 2604       | 09/25/2008 | 08:37:00 | 0.130                     |
| 2605       | 09/25/2008 | 08:37:01 | 0.103                     |
| 2606       | 09/25/2008 | 08:37:02 | 0.096                     |
| 2607       | 09/25/2008 | 08:37:03 | 0.092                     |
| 2608       | 09/25/2008 | 08:37:04 | 0.082                     |
| 2609       | 09/25/2008 | 08:37:05 | 0.093                     |
| 2610       | 09/25/2008 | 08:37:06 | 0.084                     |
| 2611       | 09/25/2008 | 08:37:07 | 0.091                     |
| 2612       | 09/25/2008 | 08:37:08 | 0.111                     |
| 2613       | 09/25/2008 | 08:37:09 | 0.081                     |
| 2614       | 09/25/2008 | 08:37:10 | 0.099                     |
| 2615       | 09/25/2008 | 08:37:11 | 0.099                     |
| 2616       | 09/25/2008 | 08:37:12 | 0.102                     |
| 2617       | 09/25/2008 | 08:37:13 | 0.110                     |
| 2618       | 09/25/2008 | 08:37:14 | 0.087                     |
| 2619       | 09/25/2008 | 08:37:15 | 0.094                     |
| 2620       | 09/25/2008 | 08:37:16 | 0.102                     |
| 2621       | 09/25/2008 | 08:37:17 | 0.098                     |
| 2622       | 09/25/2008 | 08:37:18 | 0.086                     |
| 2623       | 09/25/2008 | 08:37:19 | 0.079                     |
| 2624       | 09/25/2008 | 08:37:20 | 0.096                     |
| 2625       | 09/25/2008 | 08:37:21 | 0.137                     |
| 2626       | 09/25/2008 | 08:37:22 | 0.088                     |
| 2627       | 09/25/2008 | 08:37:23 | 0.086                     |
| 2628       | 09/25/2008 | 08:37:24 | 0.089                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 2629       | 09/25/2008 | 08:37:25 | 0.095                     |
| 2630       | 09/25/2008 | 08:37:26 | 0.087                     |
| 2631       | 09/25/2008 | 08:37:27 | 0.135                     |
| 2632       | 09/25/2008 | 08:37:28 | 0.081                     |
| 2633       | 09/25/2008 | 08:37:29 | 0.086                     |
| 2634       | 09/25/2008 | 08:37:30 | 0.095                     |
| 2635       | 09/25/2008 | 08:37:31 | 0.083                     |
| 2636       | 09/25/2008 | 08:37:32 | 0.110                     |
| 2637       | 09/25/2008 | 08:37:33 | 0.090                     |
| 2638       | 09/25/2008 | 08:37:34 | 0.101                     |
| 2639       | 09/25/2008 | 08:37:35 | 0.085                     |
| 2640       | 09/25/2008 | 08:37:36 | 0.082                     |
| 2641       | 09/25/2008 | 08:37:37 | 0.086                     |
| 2642       | 09/25/2008 | 08:37:38 | 0.086                     |
| 2643       | 09/25/2008 | 08:37:39 | 0.086                     |
| 2644       | 09/25/2008 | 08:37:40 | 0.111                     |
| 2645       | 09/25/2008 | 08:37:41 | 0.083                     |
| 2646       | 09/25/2008 | 08:37:42 | 0.091                     |
| 2647       | 09/25/2008 | 08:37:43 | 0.083                     |
| 2648       | 09/25/2008 | 08:37:44 | 0.092                     |
| 2649       | 09/25/2008 | 08:37:45 | 0.088                     |
| 2650       | 09/25/2008 | 08:37:46 | 0.080                     |
| 2651       | 09/25/2008 | 08:37:47 | 0.087                     |
| 2652       | 09/25/2008 | 08:37:48 | 0.119                     |
| 2653       | 09/25/2008 | 08:37:49 | 0.106                     |
| 2654       | 09/25/2008 | 08:37:50 | 0.088                     |
| 2655       | 09/25/2008 | 08:37:51 | 0.108                     |
| 2656       | 09/25/2008 | 08:37:52 | 0.105                     |
| 2657       | 09/25/2008 | 08:37:53 | 0.085                     |
| 2658       | 09/25/2008 | 08:37:54 | 0.113                     |
| 2659       | 09/25/2008 | 08:37:55 | 0.087                     |
| 2660       | 09/25/2008 | 08:37:56 | 0.093                     |
| 2661       | 09/25/2008 | 08:37:57 | 0.085                     |
| 2662       | 09/25/2008 | 08:37:58 | 0.097                     |
| 2663       | 09/25/2008 | 08:37:59 | 0.079                     |
| 2664       | 09/25/2008 | 08:38:00 | 0.088                     |
| 2665       | 09/25/2008 | 08:38:01 | 0.122                     |
| 2666       | 09/25/2008 | 08:38:02 | 0.103                     |
| 2667       | 09/25/2008 | 08:38:03 | 0.100                     |
| 2668       | 09/25/2008 | 08:38:04 | 0.107                     |
| 2669       | 09/25/2008 | 08:38:05 | 0.087                     |
| 2670       | 09/25/2008 | 08:38:06 | 0.081                     |
| 2671       | 09/25/2008 | 08:38:07 | 0.089                     |
| 2672       | 09/25/2008 | 08:38:08 | 0.105                     |
| 2673       | 09/25/2008 | 08:38:09 | 0.083                     |
| 2674       | 09/25/2008 | 08:38:10 | 0.086                     |
| 2675       | 09/25/2008 | 08:38:11 | 0.084                     |
| 2676       | 09/25/2008 | 08:38:12 | 0.088                     |
| 2677       | 09/25/2008 | 08:38:13 | 0.084                     |
| 2678       | 09/25/2008 | 08:38:14 | 0.098                     |
| 2679       | 09/25/2008 | 08:38:15 | 0.085                     |
| 2680       | 09/25/2008 | 08:38:16 | 0.095                     |
| 2681       | 09/25/2008 | 08:38:17 | 0.101                     |
| 2682       | 09/25/2008 | 08:38:18 | 0.105                     |
| 2683       | 09/25/2008 | 08:38:19 | 0.087                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 2684       | 09/25/2008 | 08:38:20 | 0.092                     |
| 2685       | 09/25/2008 | 08:38:21 | 0.086                     |
| 2686       | 09/25/2008 | 08:38:22 | 0.079                     |
| 2687       | 09/25/2008 | 08:38:23 | 0.091                     |
| 2688       | 09/25/2008 | 08:38:24 | 0.114                     |
| 2689       | 09/25/2008 | 08:38:25 | 0.096                     |
| 2690       | 09/25/2008 | 08:38:26 | 0.116                     |
| 2691       | 09/25/2008 | 08:38:27 | 0.091                     |
| 2692       | 09/25/2008 | 08:38:28 | 0.091                     |
| 2693       | 09/25/2008 | 08:38:29 | 0.105                     |
| 2694       | 09/25/2008 | 08:38:30 | 0.091                     |
| 2695       | 09/25/2008 | 08:38:31 | 0.089                     |
| 2696       | 09/25/2008 | 08:38:32 | 0.099                     |
| 2697       | 09/25/2008 | 08:38:33 | 0.084                     |
| 2698       | 09/25/2008 | 08:38:34 | 0.090                     |
| 2699       | 09/25/2008 | 08:38:35 | 0.090                     |
| 2700       | 09/25/2008 | 08:38:36 | 0.107                     |
| 2701       | 09/25/2008 | 08:38:37 | 0.113                     |
| 2702       | 09/25/2008 | 08:38:38 | 0.099                     |
| 2703       | 09/25/2008 | 08:38:39 | 0.086                     |
| 2704       | 09/25/2008 | 08:38:40 | 0.111                     |
| 2705       | 09/25/2008 | 08:38:41 | 0.080                     |
| 2706       | 09/25/2008 | 08:38:42 | 0.091                     |
| 2707       | 09/25/2008 | 08:38:43 | 0.084                     |
| 2708       | 09/25/2008 | 08:38:44 | 0.085                     |
| 2709       | 09/25/2008 | 08:38:45 | 0.094                     |
| 2710       | 09/25/2008 | 08:38:46 | 0.087                     |
| 2711       | 09/25/2008 | 08:38:47 | 0.088                     |
| 2712       | 09/25/2008 | 08:38:48 | 0.088                     |
| 2713       | 09/25/2008 | 08:38:49 | 0.081                     |
| 2714       | 09/25/2008 | 08:38:50 | 0.089                     |
| 2715       | 09/25/2008 | 08:38:51 | 0.098                     |
| 2716       | 09/25/2008 | 08:38:52 | 0.086                     |
| 2717       | 09/25/2008 | 08:38:53 | 0.081                     |
| 2718       | 09/25/2008 | 08:38:54 | 0.086                     |
| 2719       | 09/25/2008 | 08:38:55 | 0.090                     |
| 2720       | 09/25/2008 | 08:38:56 | 0.076                     |
| 2721       | 09/25/2008 | 08:38:57 | 0.096                     |
| 2722       | 09/25/2008 | 08:38:58 | 0.085                     |
| 2723       | 09/25/2008 | 08:38:59 | 0.090                     |
| 2724       | 09/25/2008 | 08:39:00 | 0.089                     |
| 2725       | 09/25/2008 | 08:39:01 | 0.091                     |
| 2726       | 09/25/2008 | 08:39:02 | 0.086                     |
| 2727       | 09/25/2008 | 08:39:03 | 0.086                     |
| 2728       | 09/25/2008 | 08:39:04 | 0.094                     |
| 2729       | 09/25/2008 | 08:39:05 | 0.081                     |
| 2730       | 09/25/2008 | 08:39:06 | 0.085                     |
| 2731       | 09/25/2008 | 08:39:07 | 0.079                     |
| 2732       | 09/25/2008 | 08:39:08 | 0.102                     |
| 2733       | 09/25/2008 | 08:39:09 | 0.080                     |
| 2734       | 09/25/2008 | 08:39:10 | 0.101                     |
| 2735       | 09/25/2008 | 08:39:11 | 0.093                     |
| 2736       | 09/25/2008 | 08:39:12 | 0.080                     |
| 2737       | 09/25/2008 | 08:39:13 | 0.085                     |
| 2738       | 09/25/2008 | 08:39:14 | 0.086                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 2739       | 09/25/2008 | 08:39:15 | 0.083                     |
| 2740       | 09/25/2008 | 08:39:16 | 0.088                     |
| 2741       | 09/25/2008 | 08:39:17 | 0.103                     |
| 2742       | 09/25/2008 | 08:39:18 | 0.083                     |
| 2743       | 09/25/2008 | 08:39:19 | 0.095                     |
| 2744       | 09/25/2008 | 08:39:20 | 0.087                     |
| 2745       | 09/25/2008 | 08:39:21 | 0.085                     |
| 2746       | 09/25/2008 | 08:39:22 | 0.089                     |
| 2747       | 09/25/2008 | 08:39:23 | 0.094                     |
| 2748       | 09/25/2008 | 08:39:24 | 0.088                     |
| 2749       | 09/25/2008 | 08:39:25 | 0.102                     |
| 2750       | 09/25/2008 | 08:39:26 | 0.083                     |
| 2751       | 09/25/2008 | 08:39:27 | 0.096                     |
| 2752       | 09/25/2008 | 08:39:28 | 0.085                     |
| 2753       | 09/25/2008 | 08:39:29 | 0.092                     |
| 2754       | 09/25/2008 | 08:39:30 | 0.087                     |
| 2755       | 09/25/2008 | 08:39:31 | 0.082                     |
| 2756       | 09/25/2008 | 08:39:32 | 0.091                     |
| 2757       | 09/25/2008 | 08:39:33 | 0.090                     |
| 2758       | 09/25/2008 | 08:39:34 | 0.085                     |
| 2759       | 09/25/2008 | 08:39:35 | 0.086                     |
| 2760       | 09/25/2008 | 08:39:36 | 0.091                     |
| 2761       | 09/25/2008 | 08:39:37 | 0.084                     |
| 2762       | 09/25/2008 | 08:39:38 | 0.081                     |
| 2763       | 09/25/2008 | 08:39:39 | 0.094                     |
| 2764       | 09/25/2008 | 08:39:40 | 0.094                     |
| 2765       | 09/25/2008 | 08:39:41 | 0.089                     |
| 2766       | 09/25/2008 | 08:39:42 | 0.084                     |
| 2767       | 09/25/2008 | 08:39:43 | 0.082                     |
| 2768       | 09/25/2008 | 08:39:44 | 0.091                     |
| 2769       | 09/25/2008 | 08:39:45 | 0.101                     |
| 2770       | 09/25/2008 | 08:39:46 | 0.093                     |
| 2771       | 09/25/2008 | 08:39:47 | 0.092                     |
| 2772       | 09/25/2008 | 08:39:48 | 0.090                     |
| 2773       | 09/25/2008 | 08:39:49 | 0.093                     |
| 2774       | 09/25/2008 | 08:39:50 | 0.112                     |
| 2775       | 09/25/2008 | 08:39:51 | 0.086                     |
| 2776       | 09/25/2008 | 08:39:52 | 0.107                     |
| 2777       | 09/25/2008 | 08:39:53 | 0.086                     |
| 2778       | 09/25/2008 | 08:39:54 | 0.094                     |
| 2779       | 09/25/2008 | 08:39:55 | 0.089                     |
| 2780       | 09/25/2008 | 08:39:56 | 0.081                     |
| 2781       | 09/25/2008 | 08:39:57 | 0.091                     |
| 2782       | 09/25/2008 | 08:39:58 | 0.089                     |
| 2783       | 09/25/2008 | 08:39:59 | 0.094                     |
| 2784       | 09/25/2008 | 08:40:00 | 0.077                     |
| 2785       | 09/25/2008 | 08:40:01 | 0.085                     |
| 2786       | 09/25/2008 | 08:40:02 | 0.088                     |
| 2787       | 09/25/2008 | 08:40:03 | 0.099                     |
| 2788       | 09/25/2008 | 08:40:04 | 0.085                     |
| 2789       | 09/25/2008 | 08:40:05 | 0.085                     |
| 2790       | 09/25/2008 | 08:40:06 | 0.084                     |
| 2791       | 09/25/2008 | 08:40:07 | 0.089                     |
| 2792       | 09/25/2008 | 08:40:08 | 0.088                     |
| 2793       | 09/25/2008 | 08:40:09 | 0.091                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 2794       | 09/25/2008 | 08:40:10 | 0.085                     |
| 2795       | 09/25/2008 | 08:40:11 | 0.089                     |
| 2796       | 09/25/2008 | 08:40:12 | 0.085                     |
| 2797       | 09/25/2008 | 08:40:13 | 0.084                     |
| 2798       | 09/25/2008 | 08:40:14 | 0.087                     |
| 2799       | 09/25/2008 | 08:40:15 | 0.081                     |
| 2800       | 09/25/2008 | 08:40:16 | 0.077                     |
| 2801       | 09/25/2008 | 08:40:17 | 0.101                     |
| 2802       | 09/25/2008 | 08:40:18 | 0.098                     |
| 2803       | 09/25/2008 | 08:40:19 | 0.089                     |
| 2804       | 09/25/2008 | 08:40:20 | 0.087                     |
| 2805       | 09/25/2008 | 08:40:21 | 0.091                     |
| 2806       | 09/25/2008 | 08:40:22 | 0.093                     |
| 2807       | 09/25/2008 | 08:40:23 | 0.084                     |
| 2808       | 09/25/2008 | 08:40:24 | 0.098                     |
| 2809       | 09/25/2008 | 08:40:25 | 0.086                     |
| 2810       | 09/25/2008 | 08:40:26 | 0.085                     |
| 2811       | 09/25/2008 | 08:40:27 | 0.083                     |
| 2812       | 09/25/2008 | 08:40:28 | 0.088                     |
| 2813       | 09/25/2008 | 08:40:29 | 0.106                     |
| 2814       | 09/25/2008 | 08:40:30 | 0.087                     |
| 2815       | 09/25/2008 | 08:40:31 | 0.085                     |
| 2816       | 09/25/2008 | 08:40:32 | 0.143                     |
| 2817       | 09/25/2008 | 08:40:33 | 0.096                     |
| 2818       | 09/25/2008 | 08:40:34 | 0.093                     |
| 2819       | 09/25/2008 | 08:40:35 | 0.091                     |
| 2820       | 09/25/2008 | 08:40:36 | 0.098                     |
| 2821       | 09/25/2008 | 08:40:37 | 0.105                     |
| 2822       | 09/25/2008 | 08:40:38 | 0.123                     |
| 2823       | 09/25/2008 | 08:40:39 | 0.099                     |
| 2824       | 09/25/2008 | 08:40:40 | 0.089                     |
| 2825       | 09/25/2008 | 08:40:41 | 0.105                     |
| 2826       | 09/25/2008 | 08:40:42 | 0.106                     |
| 2827       | 09/25/2008 | 08:40:43 | 0.095                     |
| 2828       | 09/25/2008 | 08:40:44 | 0.098                     |
| 2829       | 09/25/2008 | 08:40:45 | 0.093                     |
| 2830       | 09/25/2008 | 08:40:46 | 0.084                     |
| 2831       | 09/25/2008 | 08:40:47 | 0.090                     |
| 2832       | 09/25/2008 | 08:40:48 | 0.093                     |
| 2833       | 09/25/2008 | 08:40:49 | 0.087                     |
| 2834       | 09/25/2008 | 08:40:50 | 0.092                     |
| 2835       | 09/25/2008 | 08:40:51 | 0.089                     |
| 2836       | 09/25/2008 | 08:40:52 | 0.106                     |
| 2837       | 09/25/2008 | 08:40:53 | 0.088                     |
| 2838       | 09/25/2008 | 08:40:54 | 0.100                     |
| 2839       | 09/25/2008 | 08:40:55 | 0.110                     |
| 2840       | 09/25/2008 | 08:40:56 | 0.124                     |
| 2841       | 09/25/2008 | 08:40:57 | 0.108                     |
| 2842       | 09/25/2008 | 08:40:58 | 0.111                     |
| 2843       | 09/25/2008 | 08:40:59 | 0.116                     |
| 2844       | 09/25/2008 | 08:41:00 | 0.130                     |
| 2845       | 09/25/2008 | 08:41:01 | 0.119                     |
| 2846       | 09/25/2008 | 08:41:02 | 0.112                     |
| 2847       | 09/25/2008 | 08:41:03 | 0.131                     |
| 2848       | 09/25/2008 | 08:41:04 | 0.132                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 2849       | 09/25/2008 | 08:41:05 | 0.123                     |
| 2850       | 09/25/2008 | 08:41:06 | 0.121                     |
| 2851       | 09/25/2008 | 08:41:07 | 0.127                     |
| 2852       | 09/25/2008 | 08:41:08 | 0.124                     |
| 2853       | 09/25/2008 | 08:41:09 | 0.146                     |
| 2854       | 09/25/2008 | 08:41:10 | 0.173                     |
| 2855       | 09/25/2008 | 08:41:11 | 0.180                     |
| 2856       | 09/25/2008 | 08:41:12 | 0.189                     |
| 2857       | 09/25/2008 | 08:41:13 | 0.197                     |
| 2858       | 09/25/2008 | 08:41:14 | 0.196                     |
| 2859       | 09/25/2008 | 08:41:15 | 0.190                     |
| 2860       | 09/25/2008 | 08:41:16 | 0.199                     |
| 2861       | 09/25/2008 | 08:41:17 | 0.200                     |
| 2862       | 09/25/2008 | 08:41:18 | 0.201                     |
| 2863       | 09/25/2008 | 08:41:19 | 0.200                     |
| 2864       | 09/25/2008 | 08:41:20 | 0.192                     |
| 2865       | 09/25/2008 | 08:41:21 | 0.180                     |
| 2866       | 09/25/2008 | 08:41:22 | 0.193                     |
| 2867       | 09/25/2008 | 08:41:23 | 0.178                     |
| 2868       | 09/25/2008 | 08:41:24 | 0.169                     |
| 2869       | 09/25/2008 | 08:41:25 | 0.168                     |
| 2870       | 09/25/2008 | 08:41:26 | 0.177                     |
| 2871       | 09/25/2008 | 08:41:27 | 0.179                     |
| 2872       | 09/25/2008 | 08:41:28 | 0.167                     |
| 2873       | 09/25/2008 | 08:41:29 | 0.173                     |
| 2874       | 09/25/2008 | 08:41:30 | 0.184                     |
| 2875       | 09/25/2008 | 08:41:31 | 0.175                     |
| 2876       | 09/25/2008 | 08:41:32 | 0.168                     |
| 2877       | 09/25/2008 | 08:41:33 | 0.173                     |
| 2878       | 09/25/2008 | 08:41:34 | 0.161                     |
| 2879       | 09/25/2008 | 08:41:35 | 0.170                     |
| 2880       | 09/25/2008 | 08:41:36 | 0.191                     |
| 2881       | 09/25/2008 | 08:41:37 | 0.193                     |
| 2882       | 09/25/2008 | 08:41:38 | 0.195                     |
| 2883       | 09/25/2008 | 08:41:39 | 0.177                     |
| 2884       | 09/25/2008 | 08:41:40 | 0.183                     |
| 2885       | 09/25/2008 | 08:41:41 | 0.174                     |
| 2886       | 09/25/2008 | 08:41:42 | 0.159                     |
| 2887       | 09/25/2008 | 08:41:43 | 0.160                     |
| 2888       | 09/25/2008 | 08:41:44 | 0.147                     |
| 2889       | 09/25/2008 | 08:41:45 | 0.148                     |
| 2890       | 09/25/2008 | 08:41:46 | 0.156                     |
| 2891       | 09/25/2008 | 08:41:47 | 0.167                     |
| 2892       | 09/25/2008 | 08:41:48 | 0.146                     |
| 2893       | 09/25/2008 | 08:41:49 | 0.142                     |
| 2894       | 09/25/2008 | 08:41:50 | 0.129                     |
| 2895       | 09/25/2008 | 08:41:51 | 0.126                     |
| 2896       | 09/25/2008 | 08:41:52 | 0.136                     |
| 2897       | 09/25/2008 | 08:41:53 | 0.133                     |
| 2898       | 09/25/2008 | 08:41:54 | 0.130                     |
| 2899       | 09/25/2008 | 08:41:55 | 0.130                     |
| 2900       | 09/25/2008 | 08:41:56 | 0.137                     |
| 2901       | 09/25/2008 | 08:41:57 | 0.129                     |
| 2902       | 09/25/2008 | 08:41:58 | 0.127                     |
| 2903       | 09/25/2008 | 08:41:59 | 0.129                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 2904       | 09/25/2008 | 08:42:00 | 0.153                     |
| 2905       | 09/25/2008 | 08:42:01 | 0.124                     |
| 2906       | 09/25/2008 | 08:42:02 | 0.134                     |
| 2907       | 09/25/2008 | 08:42:03 | 0.140                     |
| 2908       | 09/25/2008 | 08:42:04 | 0.130                     |
| 2909       | 09/25/2008 | 08:42:05 | 0.129                     |
| 2910       | 09/25/2008 | 08:42:06 | 0.142                     |
| 2911       | 09/25/2008 | 08:42:07 | 0.129                     |
| 2912       | 09/25/2008 | 08:42:08 | 0.130                     |
| 2913       | 09/25/2008 | 08:42:09 | 0.129                     |
| 2914       | 09/25/2008 | 08:42:10 | 0.126                     |
| 2915       | 09/25/2008 | 08:42:11 | 0.131                     |
| 2916       | 09/25/2008 | 08:42:12 | 0.137                     |
| 2917       | 09/25/2008 | 08:42:13 | 0.151                     |
| 2918       | 09/25/2008 | 08:42:14 | 0.128                     |
| 2919       | 09/25/2008 | 08:42:15 | 0.125                     |
| 2920       | 09/25/2008 | 08:42:16 | 0.134                     |
| 2921       | 09/25/2008 | 08:42:17 | 0.123                     |
| 2922       | 09/25/2008 | 08:42:18 | 0.139                     |
| 2923       | 09/25/2008 | 08:42:19 | 0.120                     |
| 2924       | 09/25/2008 | 08:42:20 | 0.121                     |
| 2925       | 09/25/2008 | 08:42:21 | 0.130                     |
| 2926       | 09/25/2008 | 08:42:22 | 0.120                     |
| 2927       | 09/25/2008 | 08:42:23 | 0.115                     |
| 2928       | 09/25/2008 | 08:42:24 | 0.121                     |
| 2929       | 09/25/2008 | 08:42:25 | 0.119                     |
| 2930       | 09/25/2008 | 08:42:26 | 0.160                     |
| 2931       | 09/25/2008 | 08:42:27 | 0.112                     |
| 2932       | 09/25/2008 | 08:42:28 | 0.113                     |
| 2933       | 09/25/2008 | 08:42:29 | 0.129                     |
| 2934       | 09/25/2008 | 08:42:30 | 0.107                     |
| 2935       | 09/25/2008 | 08:42:31 | 0.114                     |
| 2936       | 09/25/2008 | 08:42:32 | 0.134                     |
| 2937       | 09/25/2008 | 08:42:33 | 0.122                     |
| 2938       | 09/25/2008 | 08:42:34 | 0.104                     |
| 2939       | 09/25/2008 | 08:42:35 | 0.114                     |
| 2940       | 09/25/2008 | 08:42:36 | 0.111                     |
| 2941       | 09/25/2008 | 08:42:37 | 0.145                     |
| 2942       | 09/25/2008 | 08:42:38 | 0.147                     |
| 2943       | 09/25/2008 | 08:42:39 | 0.123                     |
| 2944       | 09/25/2008 | 08:42:40 | 0.121                     |
| 2945       | 09/25/2008 | 08:42:41 | 0.131                     |
| 2946       | 09/25/2008 | 08:42:42 | 0.120                     |
| 2947       | 09/25/2008 | 08:42:43 | 0.116                     |
| 2948       | 09/25/2008 | 08:42:44 | 0.119                     |
| 2949       | 09/25/2008 | 08:42:45 | 0.118                     |
| 2950       | 09/25/2008 | 08:42:46 | 0.107                     |
| 2951       | 09/25/2008 | 08:42:47 | 0.125                     |
| 2952       | 09/25/2008 | 08:42:48 | 0.119                     |
| 2953       | 09/25/2008 | 08:42:49 | 0.119                     |
| 2954       | 09/25/2008 | 08:42:50 | 0.115                     |
| 2955       | 09/25/2008 | 08:42:51 | 0.138                     |
| 2956       | 09/25/2008 | 08:42:52 | 0.113                     |
| 2957       | 09/25/2008 | 08:42:53 | 0.120                     |
| 2958       | 09/25/2008 | 08:42:54 | 0.110                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 2959       | 09/25/2008 | 08:42:55 | 0.115                     |
| 2960       | 09/25/2008 | 08:42:56 | 0.115                     |
| 2961       | 09/25/2008 | 08:42:57 | 0.116                     |
| 2962       | 09/25/2008 | 08:42:58 | 0.123                     |
| 2963       | 09/25/2008 | 08:42:59 | 0.111                     |
| 2964       | 09/25/2008 | 08:43:00 | 0.134                     |
| 2965       | 09/25/2008 | 08:43:01 | 0.109                     |
| 2966       | 09/25/2008 | 08:43:02 | 0.132                     |
| 2967       | 09/25/2008 | 08:43:03 | 0.114                     |
| 2968       | 09/25/2008 | 08:43:04 | 0.129                     |
| 2969       | 09/25/2008 | 08:43:05 | 0.118                     |
| 2970       | 09/25/2008 | 08:43:06 | 0.132                     |
| 2971       | 09/25/2008 | 08:43:07 | 0.118                     |
| 2972       | 09/25/2008 | 08:43:08 | 0.125                     |
| 2973       | 09/25/2008 | 08:43:09 | 0.125                     |
| 2974       | 09/25/2008 | 08:43:10 | 0.119                     |
| 2975       | 09/25/2008 | 08:43:11 | 0.178                     |
| 2976       | 09/25/2008 | 08:43:12 | 0.108                     |
| 2977       | 09/25/2008 | 08:43:13 | 0.106                     |
| 2978       | 09/25/2008 | 08:43:14 | 0.109                     |
| 2979       | 09/25/2008 | 08:43:15 | 0.106                     |
| 2980       | 09/25/2008 | 08:43:16 | 0.107                     |
| 2981       | 09/25/2008 | 08:43:17 | 0.114                     |
| 2982       | 09/25/2008 | 08:43:18 | 0.111                     |
| 2983       | 09/25/2008 | 08:43:19 | 0.112                     |
| 2984       | 09/25/2008 | 08:43:20 | 0.103                     |
| 2985       | 09/25/2008 | 08:43:21 | 0.104                     |
| 2986       | 09/25/2008 | 08:43:22 | 0.109                     |
| 2987       | 09/25/2008 | 08:43:23 | 0.102                     |
| 2988       | 09/25/2008 | 08:43:24 | 0.107                     |
| 2989       | 09/25/2008 | 08:43:25 | 0.114                     |
| 2990       | 09/25/2008 | 08:43:26 | 0.112                     |
| 2991       | 09/25/2008 | 08:43:27 | 0.096                     |
| 2992       | 09/25/2008 | 08:43:28 | 0.099                     |
| 2993       | 09/25/2008 | 08:43:29 | 0.101                     |
| 2994       | 09/25/2008 | 08:43:30 | 0.101                     |
| 2995       | 09/25/2008 | 08:43:31 | 0.098                     |
| 2996       | 09/25/2008 | 08:43:32 | 0.105                     |
| 2997       | 09/25/2008 | 08:43:33 | 0.101                     |
| 2998       | 09/25/2008 | 08:43:34 | 0.098                     |
| 2999       | 09/25/2008 | 08:43:35 | 0.100                     |
| 3000       | 09/25/2008 | 08:43:36 | 0.095                     |
| 3001       | 09/25/2008 | 08:43:37 | 0.095                     |
| 3002       | 09/25/2008 | 08:43:38 | 0.095                     |
| 3003       | 09/25/2008 | 08:43:39 | 0.103                     |
| 3004       | 09/25/2008 | 08:43:40 | 0.102                     |
| 3005       | 09/25/2008 | 08:43:41 | 0.101                     |
| 3006       | 09/25/2008 | 08:43:42 | 0.102                     |
| 3007       | 09/25/2008 | 08:43:43 | 0.094                     |
| 3008       | 09/25/2008 | 08:43:44 | 0.099                     |
| 3009       | 09/25/2008 | 08:43:45 | 0.105                     |
| 3010       | 09/25/2008 | 08:43:46 | 0.100                     |
| 3011       | 09/25/2008 | 08:43:47 | 0.095                     |
| 3012       | 09/25/2008 | 08:43:48 | 0.105                     |
| 3013       | 09/25/2008 | 08:43:49 | 0.101                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 3014       | 09/25/2008 | 08:43:50 | 0.089                     |
| 3015       | 09/25/2008 | 08:43:51 | 0.095                     |
| 3016       | 09/25/2008 | 08:43:52 | 0.099                     |
| 3017       | 09/25/2008 | 08:43:53 | 0.100                     |
| 3018       | 09/25/2008 | 08:43:54 | 0.101                     |
| 3019       | 09/25/2008 | 08:43:55 | 0.102                     |
| 3020       | 09/25/2008 | 08:43:56 | 0.095                     |
| 3021       | 09/25/2008 | 08:43:57 | 0.102                     |
| 3022       | 09/25/2008 | 08:43:58 | 0.091                     |
| 3023       | 09/25/2008 | 08:43:59 | 0.084                     |
| 3024       | 09/25/2008 | 08:44:00 | 0.089                     |
| 3025       | 09/25/2008 | 08:44:01 | 0.107                     |
| 3026       | 09/25/2008 | 08:44:02 | 0.108                     |
| 3027       | 09/25/2008 | 08:44:03 | 0.088                     |
| 3028       | 09/25/2008 | 08:44:04 | 0.089                     |
| 3029       | 09/25/2008 | 08:44:05 | 0.085                     |
| 3030       | 09/25/2008 | 08:44:06 | 0.092                     |
| 3031       | 09/25/2008 | 08:44:07 | 0.081                     |
| 3032       | 09/25/2008 | 08:44:08 | 0.095                     |
| 3033       | 09/25/2008 | 08:44:09 | 0.122                     |
| 3034       | 09/25/2008 | 08:44:10 | 0.089                     |
| 3035       | 09/25/2008 | 08:44:11 | 0.093                     |
| 3036       | 09/25/2008 | 08:44:12 | 0.084                     |
| 3037       | 09/25/2008 | 08:44:13 | 0.086                     |
| 3038       | 09/25/2008 | 08:44:14 | 0.087                     |
| 3039       | 09/25/2008 | 08:44:15 | 0.091                     |
| 3040       | 09/25/2008 | 08:44:16 | 0.102                     |
| 3041       | 09/25/2008 | 08:44:17 | 0.095                     |
| 3042       | 09/25/2008 | 08:44:18 | 0.092                     |
| 3043       | 09/25/2008 | 08:44:19 | 0.089                     |
| 3044       | 09/25/2008 | 08:44:20 | 0.095                     |
| 3045       | 09/25/2008 | 08:44:21 | 0.083                     |
| 3046       | 09/25/2008 | 08:44:22 | 0.104                     |
| 3047       | 09/25/2008 | 08:44:23 | 0.091                     |
| 3048       | 09/25/2008 | 08:44:24 | 0.089                     |
| 3049       | 09/25/2008 | 08:44:25 | 0.092                     |
| 3050       | 09/25/2008 | 08:44:26 | 0.119                     |
| 3051       | 09/25/2008 | 08:44:27 | 0.097                     |
| 3052       | 09/25/2008 | 08:44:28 | 0.082                     |
| 3053       | 09/25/2008 | 08:44:29 | 0.096                     |
| 3054       | 09/25/2008 | 08:44:30 | 0.090                     |
| 3055       | 09/25/2008 | 08:44:31 | 0.105                     |
| 3056       | 09/25/2008 | 08:44:32 | 0.089                     |
| 3057       | 09/25/2008 | 08:44:33 | 0.091                     |
| 3058       | 09/25/2008 | 08:44:34 | 0.081                     |
| 3059       | 09/25/2008 | 08:44:35 | 0.092                     |
| 3060       | 09/25/2008 | 08:44:36 | 0.093                     |
| 3061       | 09/25/2008 | 08:44:37 | 0.087                     |
| 3062       | 09/25/2008 | 08:44:38 | 0.093                     |
| 3063       | 09/25/2008 | 08:44:39 | 0.089                     |
| 3064       | 09/25/2008 | 08:44:40 | 0.201                     |
| 3065       | 09/25/2008 | 08:44:41 | 0.083                     |
| 3066       | 09/25/2008 | 08:44:42 | 0.120                     |
| 3067       | 09/25/2008 | 08:44:43 | 0.093                     |
| 3068       | 09/25/2008 | 08:44:44 | 0.097                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 3069       | 09/25/2008 | 08:44:45 | 0.099                     |
| 3070       | 09/25/2008 | 08:44:46 | 0.091                     |
| 3071       | 09/25/2008 | 08:44:47 | 0.082                     |
| 3072       | 09/25/2008 | 08:44:48 | 0.086                     |
| 3073       | 09/25/2008 | 08:44:49 | 0.161                     |
| 3074       | 09/25/2008 | 08:44:50 | 0.087                     |
| 3075       | 09/25/2008 | 08:44:51 | 0.082                     |
| 3076       | 09/25/2008 | 08:44:52 | 0.087                     |
| 3077       | 09/25/2008 | 08:44:53 | 0.087                     |
| 3078       | 09/25/2008 | 08:44:54 | 0.172                     |
| 3079       | 09/25/2008 | 08:44:55 | 0.113                     |
| 3080       | 09/25/2008 | 08:44:56 | 0.088                     |
| 3081       | 09/25/2008 | 08:44:57 | 0.084                     |
| 3082       | 09/25/2008 | 08:44:58 | 0.095                     |
| 3083       | 09/25/2008 | 08:44:59 | 0.112                     |
| 3084       | 09/25/2008 | 08:45:00 | 0.090                     |
| 3085       | 09/25/2008 | 08:45:01 | 0.094                     |
| 3086       | 09/25/2008 | 08:45:02 | 0.095                     |
| 3087       | 09/25/2008 | 08:45:03 | 0.090                     |
| 3088       | 09/25/2008 | 08:45:04 | 0.083                     |
| 3089       | 09/25/2008 | 08:45:05 | 0.087                     |
| 3090       | 09/25/2008 | 08:45:06 | 0.092                     |
| 3091       | 09/25/2008 | 08:45:07 | 0.088                     |
| 3092       | 09/25/2008 | 08:45:08 | 0.084                     |
| 3093       | 09/25/2008 | 08:45:09 | 0.085                     |
| 3094       | 09/25/2008 | 08:45:10 | 0.099                     |
| 3095       | 09/25/2008 | 08:45:11 | 0.083                     |
| 3096       | 09/25/2008 | 08:45:12 | 0.093                     |
| 3097       | 09/25/2008 | 08:45:13 | 0.084                     |
| 3098       | 09/25/2008 | 08:45:14 | 0.093                     |
| 3099       | 09/25/2008 | 08:45:15 | 0.094                     |
| 3100       | 09/25/2008 | 08:45:16 | 0.134                     |
| 3101       | 09/25/2008 | 08:45:17 | 0.083                     |
| 3102       | 09/25/2008 | 08:45:18 | 0.087                     |
| 3103       | 09/25/2008 | 08:45:19 | 0.082                     |
| 3104       | 09/25/2008 | 08:45:20 | 0.092                     |
| 3105       | 09/25/2008 | 08:45:21 | 0.083                     |
| 3106       | 09/25/2008 | 08:45:22 | 0.090                     |
| 3107       | 09/25/2008 | 08:45:23 | 0.093                     |
| 3108       | 09/25/2008 | 08:45:24 | 0.099                     |
| 3109       | 09/25/2008 | 08:45:25 | 0.093                     |
| 3110       | 09/25/2008 | 08:45:26 | 0.087                     |
| 3111       | 09/25/2008 | 08:45:27 | 0.089                     |
| 3112       | 09/25/2008 | 08:45:28 | 0.081                     |
| 3113       | 09/25/2008 | 08:45:29 | 0.090                     |
| 3114       | 09/25/2008 | 08:45:30 | 0.090                     |
| 3115       | 09/25/2008 | 08:45:31 | 0.091                     |
| 3116       | 09/25/2008 | 08:45:32 | 0.087                     |
| 3117       | 09/25/2008 | 08:45:33 | 0.082                     |
| 3118       | 09/25/2008 | 08:45:34 | 0.095                     |
| 3119       | 09/25/2008 | 08:45:35 | 0.085                     |
| 3120       | 09/25/2008 | 08:45:36 | 0.087                     |
| 3121       | 09/25/2008 | 08:45:37 | 0.083                     |
| 3122       | 09/25/2008 | 08:45:38 | 0.083                     |
| 3123       | 09/25/2008 | 08:45:39 | 0.088                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 3124       | 09/25/2008 | 08:45:40 | 0.092                     |
| 3125       | 09/25/2008 | 08:45:41 | 0.084                     |
| 3126       | 09/25/2008 | 08:45:42 | 0.084                     |
| 3127       | 09/25/2008 | 08:45:43 | 0.093                     |
| 3128       | 09/25/2008 | 08:45:44 | 0.083                     |
| 3129       | 09/25/2008 | 08:45:45 | 0.091                     |
| 3130       | 09/25/2008 | 08:45:46 | 0.082                     |
| 3131       | 09/25/2008 | 08:45:47 | 0.090                     |
| 3132       | 09/25/2008 | 08:45:48 | 0.093                     |
| 3133       | 09/25/2008 | 08:45:49 | 0.103                     |
| 3134       | 09/25/2008 | 08:45:50 | 0.085                     |
| 3135       | 09/25/2008 | 08:45:51 | 0.107                     |
| 3136       | 09/25/2008 | 08:45:52 | 0.078                     |
| 3137       | 09/25/2008 | 08:45:53 | 0.087                     |
| 3138       | 09/25/2008 | 08:45:54 | 0.082                     |
| 3139       | 09/25/2008 | 08:45:55 | 0.090                     |
| 3140       | 09/25/2008 | 08:45:56 | 0.113                     |
| 3141       | 09/25/2008 | 08:45:57 | 0.112                     |
| 3142       | 09/25/2008 | 08:45:58 | 0.095                     |
| 3143       | 09/25/2008 | 08:45:59 | 0.089                     |
| 3144       | 09/25/2008 | 08:46:00 | 0.092                     |
| 3145       | 09/25/2008 | 08:46:01 | 0.085                     |
| 3146       | 09/25/2008 | 08:46:02 | 0.089                     |
| 3147       | 09/25/2008 | 08:46:03 | 0.081                     |
| 3148       | 09/25/2008 | 08:46:04 | 0.086                     |
| 3149       | 09/25/2008 | 08:46:05 | 0.093                     |
| 3150       | 09/25/2008 | 08:46:06 | 0.086                     |
| 3151       | 09/25/2008 | 08:46:07 | 0.103                     |
| 3152       | 09/25/2008 | 08:46:08 | 0.093                     |
| 3153       | 09/25/2008 | 08:46:09 | 0.081                     |
| 3154       | 09/25/2008 | 08:46:10 | 0.086                     |
| 3155       | 09/25/2008 | 08:46:11 | 0.085                     |
| 3156       | 09/25/2008 | 08:46:12 | 0.086                     |
| 3157       | 09/25/2008 | 08:46:13 | 0.081                     |
| 3158       | 09/25/2008 | 08:46:14 | 0.080                     |
| 3159       | 09/25/2008 | 08:46:15 | 0.089                     |
| 3160       | 09/25/2008 | 08:46:16 | 0.119                     |
| 3161       | 09/25/2008 | 08:46:17 | 0.088                     |
| 3162       | 09/25/2008 | 08:46:18 | 0.086                     |
| 3163       | 09/25/2008 | 08:46:19 | 0.097                     |
| 3164       | 09/25/2008 | 08:46:20 | 0.087                     |
| 3165       | 09/25/2008 | 08:46:21 | 0.082                     |
| 3166       | 09/25/2008 | 08:46:22 | 0.080                     |
| 3167       | 09/25/2008 | 08:46:23 | 0.082                     |
| 3168       | 09/25/2008 | 08:46:24 | 0.088                     |
| 3169       | 09/25/2008 | 08:46:25 | 0.085                     |
| 3170       | 09/25/2008 | 08:46:26 | 0.078                     |
| 3171       | 09/25/2008 | 08:46:27 | 0.086                     |
| 3172       | 09/25/2008 | 08:46:28 | 0.083                     |
| 3173       | 09/25/2008 | 08:46:29 | 0.084                     |
| 3174       | 09/25/2008 | 08:46:30 | 0.108                     |
| 3175       | 09/25/2008 | 08:46:31 | 0.086                     |
| 3176       | 09/25/2008 | 08:46:32 | 0.082                     |
| 3177       | 09/25/2008 | 08:46:33 | 0.113                     |
| 3178       | 09/25/2008 | 08:46:34 | 0.094                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 3179       | 09/25/2008 | 08:46:35 | 0.083                     |
| 3180       | 09/25/2008 | 08:46:36 | 0.083                     |
| 3181       | 09/25/2008 | 08:46:37 | 0.099                     |
| 3182       | 09/25/2008 | 08:46:38 | 0.088                     |
| 3183       | 09/25/2008 | 08:46:39 | 0.082                     |
| 3184       | 09/25/2008 | 08:46:40 | 0.094                     |
| 3185       | 09/25/2008 | 08:46:41 | 0.093                     |
| 3186       | 09/25/2008 | 08:46:42 | 0.124                     |
| 3187       | 09/25/2008 | 08:46:43 | 0.095                     |
| 3188       | 09/25/2008 | 08:46:44 | 0.090                     |
| 3189       | 09/25/2008 | 08:46:45 | 0.085                     |
| 3190       | 09/25/2008 | 08:46:46 | 0.100                     |
| 3191       | 09/25/2008 | 08:46:47 | 0.095                     |
| 3192       | 09/25/2008 | 08:46:48 | 0.081                     |
| 3193       | 09/25/2008 | 08:46:49 | 0.084                     |
| 3194       | 09/25/2008 | 08:46:50 | 0.086                     |
| 3195       | 09/25/2008 | 08:46:51 | 0.116                     |
| 3196       | 09/25/2008 | 08:46:52 | 0.092                     |
| 3197       | 09/25/2008 | 08:46:53 | 0.100                     |
| 3198       | 09/25/2008 | 08:46:54 | 0.094                     |
| 3199       | 09/25/2008 | 08:46:55 | 0.089                     |
| 3200       | 09/25/2008 | 08:46:56 | 0.088                     |
| 3201       | 09/25/2008 | 08:46:57 | 0.095                     |
| 3202       | 09/25/2008 | 08:46:58 | 0.085                     |
| 3203       | 09/25/2008 | 08:46:59 | 0.086                     |
| 3204       | 09/25/2008 | 08:47:00 | 0.089                     |
| 3205       | 09/25/2008 | 08:47:01 | 0.089                     |
| 3206       | 09/25/2008 | 08:47:02 | 0.102                     |
| 3207       | 09/25/2008 | 08:47:03 | 0.090                     |
| 3208       | 09/25/2008 | 08:47:04 | 0.084                     |
| 3209       | 09/25/2008 | 08:47:05 | 0.080                     |
| 3210       | 09/25/2008 | 08:47:06 | 0.091                     |
| 3211       | 09/25/2008 | 08:47:07 | 0.116                     |
| 3212       | 09/25/2008 | 08:47:08 | 0.086                     |
| 3213       | 09/25/2008 | 08:47:09 | 0.082                     |
| 3214       | 09/25/2008 | 08:47:10 | 0.086                     |
| 3215       | 09/25/2008 | 08:47:11 | 0.078                     |
| 3216       | 09/25/2008 | 08:47:12 | 0.085                     |
| 3217       | 09/25/2008 | 08:47:13 | 0.091                     |
| 3218       | 09/25/2008 | 08:47:14 | 0.102                     |
| 3219       | 09/25/2008 | 08:47:15 | 0.089                     |
| 3220       | 09/25/2008 | 08:47:16 | 0.082                     |
| 3221       | 09/25/2008 | 08:47:17 | 0.102                     |
| 3222       | 09/25/2008 | 08:47:18 | 0.078                     |
| 3223       | 09/25/2008 | 08:47:19 | 0.109                     |
| 3224       | 09/25/2008 | 08:47:20 | 0.085                     |
| 3225       | 09/25/2008 | 08:47:21 | 0.086                     |
| 3226       | 09/25/2008 | 08:47:22 | 0.085                     |
| 3227       | 09/25/2008 | 08:47:23 | 0.093                     |
| 3228       | 09/25/2008 | 08:47:24 | 0.086                     |
| 3229       | 09/25/2008 | 08:47:25 | 0.089                     |
| 3230       | 09/25/2008 | 08:47:26 | 0.082                     |
| 3231       | 09/25/2008 | 08:47:27 | 0.095                     |
| 3232       | 09/25/2008 | 08:47:28 | 0.081                     |
| 3233       | 09/25/2008 | 08:47:29 | 0.110                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 3234       | 09/25/2008 | 08:47:30 | 0.085                     |
| 3235       | 09/25/2008 | 08:47:31 | 0.082                     |
| 3236       | 09/25/2008 | 08:47:32 | 0.094                     |
| 3237       | 09/25/2008 | 08:47:33 | 0.083                     |
| 3238       | 09/25/2008 | 08:47:34 | 0.089                     |
| 3239       | 09/25/2008 | 08:47:35 | 0.119                     |
| 3240       | 09/25/2008 | 08:47:36 | 0.095                     |
| 3241       | 09/25/2008 | 08:47:37 | 0.081                     |
| 3242       | 09/25/2008 | 08:47:38 | 0.087                     |
| 3243       | 09/25/2008 | 08:47:39 | 0.105                     |
| 3244       | 09/25/2008 | 08:47:40 | 0.097                     |
| 3245       | 09/25/2008 | 08:47:41 | 0.088                     |
| 3246       | 09/25/2008 | 08:47:42 | 0.077                     |
| 3247       | 09/25/2008 | 08:47:43 | 0.086                     |
| 3248       | 09/25/2008 | 08:47:44 | 0.090                     |
| 3249       | 09/25/2008 | 08:47:45 | 0.085                     |
| 3250       | 09/25/2008 | 08:47:46 | 0.085                     |
| 3251       | 09/25/2008 | 08:47:47 | 0.083                     |
| 3252       | 09/25/2008 | 08:47:48 | 0.081                     |
| 3253       | 09/25/2008 | 08:47:49 | 0.081                     |
| 3254       | 09/25/2008 | 08:47:50 | 0.093                     |
| 3255       | 09/25/2008 | 08:47:51 | 0.076                     |
| 3256       | 09/25/2008 | 08:47:52 | 0.085                     |
| 3257       | 09/25/2008 | 08:47:53 | 0.079                     |
| 3258       | 09/25/2008 | 08:47:54 | 0.095                     |
| 3259       | 09/25/2008 | 08:47:55 | 0.083                     |
| 3260       | 09/25/2008 | 08:47:56 | 0.097                     |
| 3261       | 09/25/2008 | 08:47:57 | 0.082                     |
| 3262       | 09/25/2008 | 08:47:58 | 0.087                     |
| 3263       | 09/25/2008 | 08:47:59 | 0.086                     |
| 3264       | 09/25/2008 | 08:48:00 | 0.089                     |
| 3265       | 09/25/2008 | 08:48:01 | 0.102                     |
| 3266       | 09/25/2008 | 08:48:02 | 0.086                     |
| 3267       | 09/25/2008 | 08:48:03 | 0.088                     |
| 3268       | 09/25/2008 | 08:48:04 | 0.085                     |
| 3269       | 09/25/2008 | 08:48:05 | 0.089                     |
| 3270       | 09/25/2008 | 08:48:06 | 0.083                     |
| 3271       | 09/25/2008 | 08:48:07 | 0.099                     |
| 3272       | 09/25/2008 | 08:48:08 | 0.081                     |
| 3273       | 09/25/2008 | 08:48:09 | 0.099                     |
| 3274       | 09/25/2008 | 08:48:10 | 0.086                     |
| 3275       | 09/25/2008 | 08:48:11 | 0.084                     |
| 3276       | 09/25/2008 | 08:48:12 | 0.100                     |
| 3277       | 09/25/2008 | 08:48:13 | 0.081                     |
| 3278       | 09/25/2008 | 08:48:14 | 0.082                     |
| 3279       | 09/25/2008 | 08:48:15 | 0.085                     |
| 3280       | 09/25/2008 | 08:48:16 | 0.084                     |
| 3281       | 09/25/2008 | 08:48:17 | 0.084                     |
| 3282       | 09/25/2008 | 08:48:18 | 0.085                     |
| 3283       | 09/25/2008 | 08:48:19 | 0.081                     |
| 3284       | 09/25/2008 | 08:48:20 | 0.081                     |
| 3285       | 09/25/2008 | 08:48:21 | 0.087                     |
| 3286       | 09/25/2008 | 08:48:22 | 0.081                     |
| 3287       | 09/25/2008 | 08:48:23 | 0.084                     |
| 3288       | 09/25/2008 | 08:48:24 | 0.084                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 3289       | 09/25/2008 | 08:48:25 | 0.094                     |
| 3290       | 09/25/2008 | 08:48:26 | 0.091                     |
| 3291       | 09/25/2008 | 08:48:27 | 0.089                     |
| 3292       | 09/25/2008 | 08:48:28 | 0.099                     |
| 3293       | 09/25/2008 | 08:48:29 | 0.092                     |
| 3294       | 09/25/2008 | 08:48:30 | 0.090                     |
| 3295       | 09/25/2008 | 08:48:31 | 0.083                     |
| 3296       | 09/25/2008 | 08:48:32 | 0.081                     |
| 3297       | 09/25/2008 | 08:48:33 | 0.091                     |
| 3298       | 09/25/2008 | 08:48:34 | 0.089                     |
| 3299       | 09/25/2008 | 08:48:35 | 0.092                     |
| 3300       | 09/25/2008 | 08:48:36 | 0.091                     |
| 3301       | 09/25/2008 | 08:48:37 | 0.080                     |
| 3302       | 09/25/2008 | 08:48:38 | 0.099                     |
| 3303       | 09/25/2008 | 08:48:39 | 0.092                     |
| 3304       | 09/25/2008 | 08:48:40 | 0.097                     |
| 3305       | 09/25/2008 | 08:48:41 | 0.093                     |
| 3306       | 09/25/2008 | 08:48:42 | 0.091                     |
| 3307       | 09/25/2008 | 08:48:43 | 0.083                     |
| 3308       | 09/25/2008 | 08:48:44 | 0.099                     |
| 3309       | 09/25/2008 | 08:48:45 | 0.087                     |
| 3310       | 09/25/2008 | 08:48:46 | 0.079                     |
| 3311       | 09/25/2008 | 08:48:47 | 0.086                     |
| 3312       | 09/25/2008 | 08:48:48 | 0.093                     |
| 3313       | 09/25/2008 | 08:48:49 | 0.085                     |
| 3314       | 09/25/2008 | 08:48:50 | 0.089                     |
| 3315       | 09/25/2008 | 08:48:51 | 0.090                     |
| 3316       | 09/25/2008 | 08:48:52 | 0.087                     |
| 3317       | 09/25/2008 | 08:48:53 | 0.114                     |
| 3318       | 09/25/2008 | 08:48:54 | 0.085                     |
| 3319       | 09/25/2008 | 08:48:55 | 0.096                     |
| 3320       | 09/25/2008 | 08:48:56 | 0.086                     |
| 3321       | 09/25/2008 | 08:48:57 | 0.083                     |
| 3322       | 09/25/2008 | 08:48:58 | 0.109                     |
| 3323       | 09/25/2008 | 08:48:59 | 0.088                     |
| 3324       | 09/25/2008 | 08:49:00 | 0.088                     |
| 3325       | 09/25/2008 | 08:49:01 | 0.090                     |
| 3326       | 09/25/2008 | 08:49:02 | 0.086                     |
| 3327       | 09/25/2008 | 08:49:03 | 0.093                     |
| 3328       | 09/25/2008 | 08:49:04 | 0.089                     |
| 3329       | 09/25/2008 | 08:49:05 | 0.091                     |
| 3330       | 09/25/2008 | 08:49:06 | 0.084                     |
| 3331       | 09/25/2008 | 08:49:07 | 0.091                     |
| 3332       | 09/25/2008 | 08:49:08 | 0.080                     |
| 3333       | 09/25/2008 | 08:49:09 | 0.091                     |
| 3334       | 09/25/2008 | 08:49:10 | 0.087                     |
| 3335       | 09/25/2008 | 08:49:11 | 0.087                     |
| 3336       | 09/25/2008 | 08:49:12 | 0.085                     |
| 3337       | 09/25/2008 | 08:49:13 | 0.107                     |
| 3338       | 09/25/2008 | 08:49:14 | 0.092                     |
| 3339       | 09/25/2008 | 08:49:15 | 0.088                     |
| 3340       | 09/25/2008 | 08:49:16 | 0.087                     |
| 3341       | 09/25/2008 | 08:49:17 | 0.103                     |
| 3342       | 09/25/2008 | 08:49:18 | 0.087                     |
| 3343       | 09/25/2008 | 08:49:19 | 0.104                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 3344       | 09/25/2008 | 08:49:20 | 0.181                     |
| 3345       | 09/25/2008 | 08:49:21 | 0.084                     |
| 3346       | 09/25/2008 | 08:49:22 | 0.078                     |
| 3347       | 09/25/2008 | 08:49:23 | 0.093                     |
| 3348       | 09/25/2008 | 08:49:24 | 0.093                     |
| 3349       | 09/25/2008 | 08:49:25 | 0.095                     |
| 3350       | 09/25/2008 | 08:49:26 | 0.087                     |
| 3351       | 09/25/2008 | 08:49:27 | 0.086                     |
| 3352       | 09/25/2008 | 08:49:28 | 0.091                     |
| 3353       | 09/25/2008 | 08:49:29 | 0.090                     |
| 3354       | 09/25/2008 | 08:49:30 | 0.081                     |
| 3355       | 09/25/2008 | 08:49:31 | 0.104                     |
| 3356       | 09/25/2008 | 08:49:32 | 0.085                     |
| 3357       | 09/25/2008 | 08:49:33 | 0.083                     |
| 3358       | 09/25/2008 | 08:49:34 | 0.083                     |
| 3359       | 09/25/2008 | 08:49:35 | 0.080                     |
| 3360       | 09/25/2008 | 08:49:36 | 0.123                     |
| 3361       | 09/25/2008 | 08:49:37 | 0.078                     |
| 3362       | 09/25/2008 | 08:49:38 | 0.093                     |
| 3363       | 09/25/2008 | 08:49:39 | 0.105                     |
| 3364       | 09/25/2008 | 08:49:40 | 0.083                     |
| 3365       | 09/25/2008 | 08:49:41 | 0.091                     |
| 3366       | 09/25/2008 | 08:49:42 | 0.089                     |
| 3367       | 09/25/2008 | 08:49:43 | 0.079                     |
| 3368       | 09/25/2008 | 08:49:44 | 0.082                     |
| 3369       | 09/25/2008 | 08:49:45 | 0.105                     |
| 3370       | 09/25/2008 | 08:49:46 | 0.086                     |
| 3371       | 09/25/2008 | 08:49:47 | 0.088                     |
| 3372       | 09/25/2008 | 08:49:48 | 0.086                     |
| 3373       | 09/25/2008 | 08:49:49 | 0.092                     |
| 3374       | 09/25/2008 | 08:49:50 | 0.102                     |
| 3375       | 09/25/2008 | 08:49:51 | 0.083                     |
| 3376       | 09/25/2008 | 08:49:52 | 0.079                     |
| 3377       | 09/25/2008 | 08:49:53 | 0.093                     |
| 3378       | 09/25/2008 | 08:49:54 | 0.087                     |
| 3379       | 09/25/2008 | 08:49:55 | 0.087                     |
| 3380       | 09/25/2008 | 08:49:56 | 0.087                     |
| 3381       | 09/25/2008 | 08:49:57 | 0.083                     |
| 3382       | 09/25/2008 | 08:49:58 | 0.119                     |
| 3383       | 09/25/2008 | 08:49:59 | 0.089                     |
| 3384       | 09/25/2008 | 08:50:00 | 0.086                     |
| 3385       | 09/25/2008 | 08:50:01 | 0.081                     |
| 3386       | 09/25/2008 | 08:50:02 | 0.089                     |
| 3387       | 09/25/2008 | 08:50:03 | 0.111                     |
| 3388       | 09/25/2008 | 08:50:04 | 0.107                     |
| 3389       | 09/25/2008 | 08:50:05 | 0.112                     |
| 3390       | 09/25/2008 | 08:50:06 | 0.092                     |
| 3391       | 09/25/2008 | 08:50:07 | 0.081                     |
| 3392       | 09/25/2008 | 08:50:08 | 0.088                     |
| 3393       | 09/25/2008 | 08:50:09 | 0.080                     |
| 3394       | 09/25/2008 | 08:50:10 | 0.086                     |
| 3395       | 09/25/2008 | 08:50:11 | 0.095                     |
| 3396       | 09/25/2008 | 08:50:12 | 0.089                     |
| 3397       | 09/25/2008 | 08:50:13 | 0.090                     |
| 3398       | 09/25/2008 | 08:50:14 | 0.094                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 3399       | 09/25/2008 | 08:50:15 | 0.090                     |
| 3400       | 09/25/2008 | 08:50:16 | 0.083                     |
| 3401       | 09/25/2008 | 08:50:17 | 0.087                     |
| 3402       | 09/25/2008 | 08:50:18 | 0.087                     |
| 3403       | 09/25/2008 | 08:50:19 | 0.101                     |
| 3404       | 09/25/2008 | 08:50:20 | 0.085                     |
| 3405       | 09/25/2008 | 08:50:21 | 0.083                     |
| 3406       | 09/25/2008 | 08:50:22 | 0.220                     |
| 3407       | 09/25/2008 | 08:50:23 | 0.095                     |
| 3408       | 09/25/2008 | 08:50:24 | 0.092                     |
| 3409       | 09/25/2008 | 08:50:25 | 0.167                     |
| 3410       | 09/25/2008 | 08:50:26 | 0.272                     |
| 3411       | 09/25/2008 | 08:50:27 | 0.168                     |
| 3412       | 09/25/2008 | 08:50:28 | 0.114                     |
| 3413       | 09/25/2008 | 08:50:29 | 0.118                     |
| 3414       | 09/25/2008 | 08:50:30 | 0.101                     |
| 3415       | 09/25/2008 | 08:50:31 | 0.095                     |
| 3416       | 09/25/2008 | 08:50:32 | 0.100                     |
| 3417       | 09/25/2008 | 08:50:33 | 0.089                     |
| 3418       | 09/25/2008 | 08:50:34 | 0.094                     |
| 3419       | 09/25/2008 | 08:50:35 | 0.115                     |
| 3420       | 09/25/2008 | 08:50:36 | 0.098                     |
| 3421       | 09/25/2008 | 08:50:37 | 0.109                     |
| 3422       | 09/25/2008 | 08:50:38 | 0.098                     |
| 3423       | 09/25/2008 | 08:50:39 | 0.102                     |
| 3424       | 09/25/2008 | 08:50:40 | 0.091                     |
| 3425       | 09/25/2008 | 08:50:41 | 0.095                     |
| 3426       | 09/25/2008 | 08:50:42 | 0.092                     |
| 3427       | 09/25/2008 | 08:50:43 | 0.124                     |
| 3428       | 09/25/2008 | 08:50:44 | 0.097                     |
| 3429       | 09/25/2008 | 08:50:45 | 0.095                     |
| 3430       | 09/25/2008 | 08:50:46 | 0.088                     |
| 3431       | 09/25/2008 | 08:50:47 | 0.093                     |
| 3432       | 09/25/2008 | 08:50:48 | 0.095                     |
| 3433       | 09/25/2008 | 08:50:49 | 0.099                     |
| 3434       | 09/25/2008 | 08:50:50 | 0.100                     |
| 3435       | 09/25/2008 | 08:50:51 | 0.107                     |
| 3436       | 09/25/2008 | 08:50:52 | 0.093                     |
| 3437       | 09/25/2008 | 08:50:53 | 0.090                     |
| 3438       | 09/25/2008 | 08:50:54 | 0.089                     |
| 3439       | 09/25/2008 | 08:50:55 | 0.081                     |
| 3440       | 09/25/2008 | 08:50:56 | 0.113                     |
| 3441       | 09/25/2008 | 08:50:57 | 0.088                     |
| 3442       | 09/25/2008 | 08:50:58 | 0.083                     |
| 3443       | 09/25/2008 | 08:50:59 | 0.094                     |
| 3444       | 09/25/2008 | 08:51:00 | 0.100                     |
| 3445       | 09/25/2008 | 08:51:01 | 0.086                     |
| 3446       | 09/25/2008 | 08:51:02 | 0.088                     |
| 3447       | 09/25/2008 | 08:51:03 | 0.079                     |
| 3448       | 09/25/2008 | 08:51:04 | 0.093                     |
| 3449       | 09/25/2008 | 08:51:05 | 0.084                     |
| 3450       | 09/25/2008 | 08:51:06 | 0.086                     |
| 3451       | 09/25/2008 | 08:51:07 | 0.084                     |
| 3452       | 09/25/2008 | 08:51:08 | 0.098                     |
| 3453       | 09/25/2008 | 08:51:09 | 0.091                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 3454       | 09/25/2008 | 08:51:10 | 0.081                     |
| 3455       | 09/25/2008 | 08:51:11 | 0.097                     |
| 3456       | 09/25/2008 | 08:51:12 | 0.092                     |
| 3457       | 09/25/2008 | 08:51:13 | 0.085                     |
| 3458       | 09/25/2008 | 08:51:14 | 0.090                     |
| 3459       | 09/25/2008 | 08:51:15 | 0.101                     |
| 3460       | 09/25/2008 | 08:51:16 | 0.098                     |
| 3461       | 09/25/2008 | 08:51:17 | 0.088                     |
| 3462       | 09/25/2008 | 08:51:18 | 0.094                     |
| 3463       | 09/25/2008 | 08:51:19 | 0.087                     |
| 3464       | 09/25/2008 | 08:51:20 | 0.082                     |
| 3465       | 09/25/2008 | 08:51:21 | 0.089                     |
| 3466       | 09/25/2008 | 08:51:22 | 0.087                     |
| 3467       | 09/25/2008 | 08:51:23 | 0.090                     |
| 3468       | 09/25/2008 | 08:51:24 | 0.090                     |
| 3469       | 09/25/2008 | 08:51:25 | 0.085                     |
| 3470       | 09/25/2008 | 08:51:26 | 0.092                     |
| 3471       | 09/25/2008 | 08:51:27 | 0.096                     |
| 3472       | 09/25/2008 | 08:51:28 | 0.089                     |
| 3473       | 09/25/2008 | 08:51:29 | 0.089                     |
| 3474       | 09/25/2008 | 08:51:30 | 0.121                     |
| 3475       | 09/25/2008 | 08:51:31 | 0.088                     |
| 3476       | 09/25/2008 | 08:51:32 | 0.089                     |
| 3477       | 09/25/2008 | 08:51:33 | 0.098                     |
| 3478       | 09/25/2008 | 08:51:34 | 0.085                     |
| 3479       | 09/25/2008 | 08:51:35 | 0.083                     |
| 3480       | 09/25/2008 | 08:51:36 | 0.087                     |
| 3481       | 09/25/2008 | 08:51:37 | 0.080                     |
| 3482       | 09/25/2008 | 08:51:38 | 0.085                     |
| 3483       | 09/25/2008 | 08:51:39 | 0.087                     |
| 3484       | 09/25/2008 | 08:51:40 | 0.096                     |
| 3485       | 09/25/2008 | 08:51:41 | 0.089                     |
| 3486       | 09/25/2008 | 08:51:42 | 0.099                     |
| 3487       | 09/25/2008 | 08:51:43 | 0.085                     |
| 3488       | 09/25/2008 | 08:51:44 | 0.101                     |
| 3489       | 09/25/2008 | 08:51:45 | 0.110                     |
| 3490       | 09/25/2008 | 08:51:46 | 0.082                     |
| 3491       | 09/25/2008 | 08:51:47 | 0.095                     |
| 3492       | 09/25/2008 | 08:51:48 | 0.092                     |
| 3493       | 09/25/2008 | 08:51:49 | 0.090                     |
| 3494       | 09/25/2008 | 08:51:50 | 0.095                     |
| 3495       | 09/25/2008 | 08:51:51 | 0.084                     |
| 3496       | 09/25/2008 | 08:51:52 | 0.147                     |
| 3497       | 09/25/2008 | 08:51:53 | 0.109                     |
| 3498       | 09/25/2008 | 08:51:54 | 0.096                     |
| 3499       | 09/25/2008 | 08:51:55 | 0.082                     |
| 3500       | 09/25/2008 | 08:51:56 | 0.095                     |
| 3501       | 09/25/2008 | 08:51:57 | 0.092                     |
| 3502       | 09/25/2008 | 08:51:58 | 0.087                     |
| 3503       | 09/25/2008 | 08:51:59 | 0.097                     |
| 3504       | 09/25/2008 | 08:52:00 | 0.113                     |
| 3505       | 09/25/2008 | 08:52:01 | 0.095                     |
| 3506       | 09/25/2008 | 08:52:02 | 0.104                     |
| 3507       | 09/25/2008 | 08:52:03 | 0.089                     |
| 3508       | 09/25/2008 | 08:52:04 | 0.219                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 3509       | 09/25/2008 | 08:52:05 | 0.139                     |
| 3510       | 09/25/2008 | 08:52:06 | 0.096                     |
| 3511       | 09/25/2008 | 08:52:07 | 0.110                     |
| 3512       | 09/25/2008 | 08:52:08 | 0.146                     |
| 3513       | 09/25/2008 | 08:52:09 | 0.094                     |
| 3514       | 09/25/2008 | 08:52:10 | 0.088                     |
| 3515       | 09/25/2008 | 08:52:11 | 0.098                     |
| 3516       | 09/25/2008 | 08:52:12 | 0.099                     |
| 3517       | 09/25/2008 | 08:52:13 | 0.084                     |
| 3518       | 09/25/2008 | 08:52:14 | 0.089                     |
| 3519       | 09/25/2008 | 08:52:15 | 0.110                     |
| 3520       | 09/25/2008 | 08:52:16 | 0.094                     |
| 3521       | 09/25/2008 | 08:52:17 | 0.090                     |
| 3522       | 09/25/2008 | 08:52:18 | 0.096                     |
| 3523       | 09/25/2008 | 08:52:19 | 0.096                     |
| 3524       | 09/25/2008 | 08:52:20 | 0.103                     |
| 3525       | 09/25/2008 | 08:52:21 | 0.103                     |
| 3526       | 09/25/2008 | 08:52:22 | 0.082                     |
| 3527       | 09/25/2008 | 08:52:23 | 0.082                     |
| 3528       | 09/25/2008 | 08:52:24 | 0.091                     |
| 3529       | 09/25/2008 | 08:52:25 | 0.103                     |
| 3530       | 09/25/2008 | 08:52:26 | 0.087                     |
| 3531       | 09/25/2008 | 08:52:27 | 0.083                     |
| 3532       | 09/25/2008 | 08:52:28 | 0.105                     |
| 3533       | 09/25/2008 | 08:52:29 | 0.085                     |
| 3534       | 09/25/2008 | 08:52:30 | 0.085                     |
| 3535       | 09/25/2008 | 08:52:31 | 0.090                     |
| 3536       | 09/25/2008 | 08:52:32 | 0.092                     |
| 3537       | 09/25/2008 | 08:52:33 | 0.099                     |
| 3538       | 09/25/2008 | 08:52:34 | 0.088                     |
| 3539       | 09/25/2008 | 08:52:35 | 0.085                     |
| 3540       | 09/25/2008 | 08:52:36 | 0.093                     |
| 3541       | 09/25/2008 | 08:52:37 | 0.137                     |
| 3542       | 09/25/2008 | 08:52:38 | 0.085                     |
| 3543       | 09/25/2008 | 08:52:39 | 0.085                     |
| 3544       | 09/25/2008 | 08:52:40 | 0.094                     |
| 3545       | 09/25/2008 | 08:52:41 | 0.091                     |
| 3546       | 09/25/2008 | 08:52:42 | 0.087                     |
| 3547       | 09/25/2008 | 08:52:43 | 0.086                     |
| 3548       | 09/25/2008 | 08:52:44 | 0.091                     |
| 3549       | 09/25/2008 | 08:52:45 | 0.098                     |
| 3550       | 09/25/2008 | 08:52:46 | 0.088                     |
| 3551       | 09/25/2008 | 08:52:47 | 0.104                     |
| 3552       | 09/25/2008 | 08:52:48 | 0.082                     |
| 3553       | 09/25/2008 | 08:52:49 | 0.084                     |
| 3554       | 09/25/2008 | 08:52:50 | 0.083                     |
| 3555       | 09/25/2008 | 08:52:51 | 0.092                     |
| 3556       | 09/25/2008 | 08:52:52 | 0.087                     |
| 3557       | 09/25/2008 | 08:52:53 | 0.086                     |
| 3558       | 09/25/2008 | 08:52:54 | 0.089                     |
| 3559       | 09/25/2008 | 08:52:55 | 0.082                     |
| 3560       | 09/25/2008 | 08:52:56 | 0.086                     |
| 3561       | 09/25/2008 | 08:52:57 | 0.109                     |
| 3562       | 09/25/2008 | 08:52:58 | 0.104                     |
| 3563       | 09/25/2008 | 08:52:59 | 0.084                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 3564       | 09/25/2008 | 08:53:00 | 0.087                     |
| 3565       | 09/25/2008 | 08:53:01 | 0.087                     |
| 3566       | 09/25/2008 | 08:53:02 | 0.115                     |
| 3567       | 09/25/2008 | 08:53:03 | 0.092                     |
| 3568       | 09/25/2008 | 08:53:04 | 0.092                     |
| 3569       | 09/25/2008 | 08:53:05 | 0.087                     |
| 3570       | 09/25/2008 | 08:53:06 | 0.106                     |
| 3571       | 09/25/2008 | 08:53:07 | 0.087                     |
| 3572       | 09/25/2008 | 08:53:08 | 0.083                     |
| 3573       | 09/25/2008 | 08:53:09 | 0.091                     |
| 3574       | 09/25/2008 | 08:53:10 | 0.094                     |
| 3575       | 09/25/2008 | 08:53:11 | 0.093                     |
| 3576       | 09/25/2008 | 08:53:12 | 0.088                     |
| 3577       | 09/25/2008 | 08:53:13 | 0.088                     |
| 3578       | 09/25/2008 | 08:53:14 | 0.102                     |
| 3579       | 09/25/2008 | 08:53:15 | 0.091                     |
| 3580       | 09/25/2008 | 08:53:16 | 0.082                     |
| 3581       | 09/25/2008 | 08:53:17 | 0.118                     |
| 3582       | 09/25/2008 | 08:53:18 | 0.087                     |
| 3583       | 09/25/2008 | 08:53:19 | 0.085                     |
| 3584       | 09/25/2008 | 08:53:20 | 0.093                     |
| 3585       | 09/25/2008 | 08:53:21 | 0.088                     |
| 3586       | 09/25/2008 | 08:53:22 | 0.083                     |
| 3587       | 09/25/2008 | 08:53:23 | 0.093                     |
| 3588       | 09/25/2008 | 08:53:24 | 0.110                     |
| 3589       | 09/25/2008 | 08:53:25 | 0.087                     |
| 3590       | 09/25/2008 | 08:53:26 | 0.097                     |
| 3591       | 09/25/2008 | 08:53:27 | 0.125                     |
| 3592       | 09/25/2008 | 08:53:28 | 0.085                     |
| 3593       | 09/25/2008 | 08:53:29 | 0.093                     |
| 3594       | 09/25/2008 | 08:53:30 | 0.084                     |
| 3595       | 09/25/2008 | 08:53:31 | 0.081                     |
| 3596       | 09/25/2008 | 08:53:32 | 0.089                     |
| 3597       | 09/25/2008 | 08:53:33 | 0.091                     |
| 3598       | 09/25/2008 | 08:53:34 | 0.112                     |
| 3599       | 09/25/2008 | 08:53:35 | 0.084                     |
| 3600       | 09/25/2008 | 08:53:36 | 0.087                     |
| 3601       | 09/25/2008 | 08:53:37 | 0.082                     |
| 3602       | 09/25/2008 | 08:53:38 | 0.081                     |
| 3603       | 09/25/2008 | 08:53:39 | 0.085                     |
| 3604       | 09/25/2008 | 08:53:40 | 0.089                     |
| 3605       | 09/25/2008 | 08:53:41 | 0.081                     |
| 3606       | 09/25/2008 | 08:53:42 | 0.082                     |
| 3607       | 09/25/2008 | 08:53:43 | 0.080                     |
| 3608       | 09/25/2008 | 08:53:44 | 0.095                     |
| 3609       | 09/25/2008 | 08:53:45 | 0.092                     |
| 3610       | 09/25/2008 | 08:53:46 | 0.092                     |
| 3611       | 09/25/2008 | 08:53:47 | 0.083                     |
| 3612       | 09/25/2008 | 08:53:48 | 0.096                     |
| 3613       | 09/25/2008 | 08:53:49 | 0.085                     |
| 3614       | 09/25/2008 | 08:53:50 | 0.088                     |
| 3615       | 09/25/2008 | 08:53:51 | 0.086                     |
| 3616       | 09/25/2008 | 08:53:52 | 0.088                     |
| 3617       | 09/25/2008 | 08:53:53 | 0.087                     |
| 3618       | 09/25/2008 | 08:53:54 | 0.086                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 3619       | 09/25/2008 | 08:53:55 | 0.086                     |
| 3620       | 09/25/2008 | 08:53:56 | 0.091                     |
| 3621       | 09/25/2008 | 08:53:57 | 0.108                     |
| 3622       | 09/25/2008 | 08:53:58 | 0.086                     |
| 3623       | 09/25/2008 | 08:53:59 | 0.089                     |
| 3624       | 09/25/2008 | 08:54:00 | 0.092                     |
| 3625       | 09/25/2008 | 08:54:01 | 0.080                     |
| 3626       | 09/25/2008 | 08:54:02 | 0.091                     |
| 3627       | 09/25/2008 | 08:54:03 | 0.107                     |
| 3628       | 09/25/2008 | 08:54:04 | 0.079                     |
| 3629       | 09/25/2008 | 08:54:05 | 0.087                     |
| 3630       | 09/25/2008 | 08:54:06 | 0.081                     |
| 3631       | 09/25/2008 | 08:54:07 | 0.084                     |
| 3632       | 09/25/2008 | 08:54:08 | 0.146                     |
| 3633       | 09/25/2008 | 08:54:09 | 0.084                     |
| 3634       | 09/25/2008 | 08:54:10 | 0.097                     |
| 3635       | 09/25/2008 | 08:54:11 | 0.087                     |
| 3636       | 09/25/2008 | 08:54:12 | 0.077                     |
| 3637       | 09/25/2008 | 08:54:13 | 0.088                     |
| 3638       | 09/25/2008 | 08:54:14 | 0.089                     |
| 3639       | 09/25/2008 | 08:54:15 | 0.086                     |
| 3640       | 09/25/2008 | 08:54:16 | 0.087                     |
| 3641       | 09/25/2008 | 08:54:17 | 0.090                     |
| 3642       | 09/25/2008 | 08:54:18 | 0.154                     |
| 3643       | 09/25/2008 | 08:54:19 | 0.086                     |
| 3644       | 09/25/2008 | 08:54:20 | 0.088                     |
| 3645       | 09/25/2008 | 08:54:21 | 0.089                     |
| 3646       | 09/25/2008 | 08:54:22 | 0.117                     |
| 3647       | 09/25/2008 | 08:54:23 | 0.091                     |
| 3648       | 09/25/2008 | 08:54:24 | 0.084                     |
| 3649       | 09/25/2008 | 08:54:25 | 0.092                     |
| 3650       | 09/25/2008 | 08:54:26 | 0.084                     |
| 3651       | 09/25/2008 | 08:54:27 | 0.091                     |
| 3652       | 09/25/2008 | 08:54:28 | 0.099                     |
| 3653       | 09/25/2008 | 08:54:29 | 0.086                     |
| 3654       | 09/25/2008 | 08:54:30 | 0.080                     |
| 3655       | 09/25/2008 | 08:54:31 | 0.084                     |
| 3656       | 09/25/2008 | 08:54:32 | 0.108                     |
| 3657       | 09/25/2008 | 08:54:33 | 0.118                     |
| 3658       | 09/25/2008 | 08:54:34 | 0.091                     |
| 3659       | 09/25/2008 | 08:54:35 | 0.094                     |
| 3660       | 09/25/2008 | 08:54:36 | 0.097                     |
| 3661       | 09/25/2008 | 08:54:37 | 0.082                     |
| 3662       | 09/25/2008 | 08:54:38 | 0.084                     |
| 3663       | 09/25/2008 | 08:54:39 | 0.094                     |
| 3664       | 09/25/2008 | 08:54:40 | 0.093                     |
| 3665       | 09/25/2008 | 08:54:41 | 0.138                     |
| 3666       | 09/25/2008 | 08:54:42 | 0.116                     |
| 3667       | 09/25/2008 | 08:54:43 | 0.092                     |
| 3668       | 09/25/2008 | 08:54:44 | 0.117                     |
| 3669       | 09/25/2008 | 08:54:45 | 0.100                     |
| 3670       | 09/25/2008 | 08:54:46 | 0.086                     |
| 3671       | 09/25/2008 | 08:54:47 | 0.095                     |
| 3672       | 09/25/2008 | 08:54:48 | 0.096                     |
| 3673       | 09/25/2008 | 08:54:49 | 0.090                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 3674       | 09/25/2008 | 08:54:50 | 0.100                     |
| 3675       | 09/25/2008 | 08:54:51 | 0.090                     |
| 3676       | 09/25/2008 | 08:54:52 | 0.122                     |
| 3677       | 09/25/2008 | 08:54:53 | 0.089                     |
| 3678       | 09/25/2008 | 08:54:54 | 0.088                     |
| 3679       | 09/25/2008 | 08:54:55 | 0.113                     |
| 3680       | 09/25/2008 | 08:54:56 | 0.093                     |
| 3681       | 09/25/2008 | 08:54:57 | 0.081                     |
| 3682       | 09/25/2008 | 08:54:58 | 0.105                     |
| 3683       | 09/25/2008 | 08:54:59 | 0.084                     |
| 3684       | 09/25/2008 | 08:55:00 | 0.099                     |
| 3685       | 09/25/2008 | 08:55:01 | 0.088                     |
| 3686       | 09/25/2008 | 08:55:02 | 0.113                     |
| 3687       | 09/25/2008 | 08:55:03 | 0.098                     |
| 3688       | 09/25/2008 | 08:55:04 | 0.093                     |
| 3689       | 09/25/2008 | 08:55:05 | 0.107                     |
| 3690       | 09/25/2008 | 08:55:06 | 0.084                     |
| 3691       | 09/25/2008 | 08:55:07 | 0.091                     |
| 3692       | 09/25/2008 | 08:55:08 | 0.085                     |
| 3693       | 09/25/2008 | 08:55:09 | 0.085                     |
| 3694       | 09/25/2008 | 08:55:10 | 0.091                     |
| 3695       | 09/25/2008 | 08:55:11 | 0.091                     |
| 3696       | 09/25/2008 | 08:55:12 | 0.096                     |
| 3697       | 09/25/2008 | 08:55:13 | 0.143                     |
| 3698       | 09/25/2008 | 08:55:14 | 0.084                     |
| 3699       | 09/25/2008 | 08:55:15 | 0.089                     |
| 3700       | 09/25/2008 | 08:55:16 | 0.082                     |
| 3701       | 09/25/2008 | 08:55:17 | 0.086                     |
| 3702       | 09/25/2008 | 08:55:18 | 0.089                     |
| 3703       | 09/25/2008 | 08:55:19 | 0.083                     |
| 3704       | 09/25/2008 | 08:55:20 | 0.102                     |
| 3705       | 09/25/2008 | 08:55:21 | 0.090                     |
| 3706       | 09/25/2008 | 08:55:22 | 0.082                     |
| 3707       | 09/25/2008 | 08:55:23 | 0.081                     |
| 3708       | 09/25/2008 | 08:55:24 | 0.118                     |
| 3709       | 09/25/2008 | 08:55:25 | 0.082                     |
| 3710       | 09/25/2008 | 08:55:26 | 0.087                     |
| 3711       | 09/25/2008 | 08:55:27 | 0.091                     |
| 3712       | 09/25/2008 | 08:55:28 | 0.083                     |
| 3713       | 09/25/2008 | 08:55:29 | 0.086                     |
| 3714       | 09/25/2008 | 08:55:30 | 0.090                     |
| 3715       | 09/25/2008 | 08:55:31 | 0.100                     |
| 3716       | 09/25/2008 | 08:55:32 | 0.086                     |
| 3717       | 09/25/2008 | 08:55:33 | 0.078                     |
| 3718       | 09/25/2008 | 08:55:34 | 0.091                     |
| 3719       | 09/25/2008 | 08:55:35 | 0.079                     |
| 3720       | 09/25/2008 | 08:55:36 | 0.077                     |
| 3721       | 09/25/2008 | 08:55:37 | 0.130                     |
| 3722       | 09/25/2008 | 08:55:38 | 0.087                     |
| 3723       | 09/25/2008 | 08:55:39 | 0.099                     |
| 3724       | 09/25/2008 | 08:55:40 | 0.091                     |
| 3725       | 09/25/2008 | 08:55:41 | 0.087                     |
| 3726       | 09/25/2008 | 08:55:42 | 0.171                     |
| 3727       | 09/25/2008 | 08:55:43 | 0.096                     |
| 3728       | 09/25/2008 | 08:55:44 | 0.119                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 3729       | 09/25/2008 | 08:55:45 | 0.091                     |
| 3730       | 09/25/2008 | 08:55:46 | 0.109                     |
| 3731       | 09/25/2008 | 08:55:47 | 0.081                     |
| 3732       | 09/25/2008 | 08:55:48 | 0.081                     |
| 3733       | 09/25/2008 | 08:55:49 | 0.084                     |
| 3734       | 09/25/2008 | 08:55:50 | 0.101                     |
| 3735       | 09/25/2008 | 08:55:51 | 0.085                     |
| 3736       | 09/25/2008 | 08:55:52 | 0.101                     |
| 3737       | 09/25/2008 | 08:55:53 | 0.095                     |
| 3738       | 09/25/2008 | 08:55:54 | 0.097                     |
| 3739       | 09/25/2008 | 08:55:55 | 0.113                     |
| 3740       | 09/25/2008 | 08:55:56 | 0.085                     |
| 3741       | 09/25/2008 | 08:55:57 | 0.084                     |
| 3742       | 09/25/2008 | 08:55:58 | 0.090                     |
| 3743       | 09/25/2008 | 08:55:59 | 0.091                     |
| 3744       | 09/25/2008 | 08:56:00 | 0.109                     |
| 3745       | 09/25/2008 | 08:56:01 | 0.096                     |
| 3746       | 09/25/2008 | 08:56:02 | 0.100                     |
| 3747       | 09/25/2008 | 08:56:03 | 0.086                     |
| 3748       | 09/25/2008 | 08:56:04 | 0.084                     |
| 3749       | 09/25/2008 | 08:56:05 | 0.102                     |
| 3750       | 09/25/2008 | 08:56:06 | 0.106                     |
| 3751       | 09/25/2008 | 08:56:07 | 0.094                     |
| 3752       | 09/25/2008 | 08:56:08 | 0.088                     |
| 3753       | 09/25/2008 | 08:56:09 | 0.171                     |
| 3754       | 09/25/2008 | 08:56:10 | 0.094                     |
| 3755       | 09/25/2008 | 08:56:11 | 0.091                     |
| 3756       | 09/25/2008 | 08:56:12 | 0.083                     |
| 3757       | 09/25/2008 | 08:56:13 | 0.112                     |
| 3758       | 09/25/2008 | 08:56:14 | 0.089                     |
| 3759       | 09/25/2008 | 08:56:15 | 0.099                     |
| 3760       | 09/25/2008 | 08:56:16 | 0.121                     |
| 3761       | 09/25/2008 | 08:56:17 | 0.093                     |
| 3762       | 09/25/2008 | 08:56:18 | 0.096                     |
| 3763       | 09/25/2008 | 08:56:19 | 0.090                     |
| 3764       | 09/25/2008 | 08:56:20 | 0.088                     |
| 3765       | 09/25/2008 | 08:56:21 | 0.164                     |
| 3766       | 09/25/2008 | 08:56:22 | 0.132                     |
| 3767       | 09/25/2008 | 08:56:23 | 0.084                     |
| 3768       | 09/25/2008 | 08:56:24 | 0.090                     |
| 3769       | 09/25/2008 | 08:56:25 | 0.085                     |
| 3770       | 09/25/2008 | 08:56:26 | 0.119                     |
| 3771       | 09/25/2008 | 08:56:27 | 0.096                     |
| 3772       | 09/25/2008 | 08:56:28 | 0.091                     |
| 3773       | 09/25/2008 | 08:56:29 | 0.081                     |
| 3774       | 09/25/2008 | 08:56:30 | 0.104                     |
| 3775       | 09/25/2008 | 08:56:31 | 0.096                     |
| 3776       | 09/25/2008 | 08:56:32 | 0.088                     |
| 3777       | 09/25/2008 | 08:56:33 | 0.095                     |
| 3778       | 09/25/2008 | 08:56:34 | 0.085                     |
| 3779       | 09/25/2008 | 08:56:35 | 0.091                     |
| 3780       | 09/25/2008 | 08:56:36 | 0.091                     |
| 3781       | 09/25/2008 | 08:56:37 | 0.081                     |
| 3782       | 09/25/2008 | 08:56:38 | 0.083                     |
| 3783       | 09/25/2008 | 08:56:39 | 0.091                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 3784       | 09/25/2008 | 08:56:40 | 0.098                     |
| 3785       | 09/25/2008 | 08:56:41 | 0.101                     |
| 3786       | 09/25/2008 | 08:56:42 | 0.089                     |
| 3787       | 09/25/2008 | 08:56:43 | 0.092                     |
| 3788       | 09/25/2008 | 08:56:44 | 0.081                     |
| 3789       | 09/25/2008 | 08:56:45 | 0.104                     |
| 3790       | 09/25/2008 | 08:56:46 | 0.086                     |
| 3791       | 09/25/2008 | 08:56:47 | 0.088                     |
| 3792       | 09/25/2008 | 08:56:48 | 0.095                     |
| 3793       | 09/25/2008 | 08:56:49 | 0.087                     |
| 3794       | 09/25/2008 | 08:56:50 | 0.160                     |
| 3795       | 09/25/2008 | 08:56:51 | 0.086                     |
| 3796       | 09/25/2008 | 08:56:52 | 0.114                     |
| 3797       | 09/25/2008 | 08:56:53 | 0.112                     |
| 3798       | 09/25/2008 | 08:56:54 | 0.096                     |
| 3799       | 09/25/2008 | 08:56:55 | 0.104                     |
| 3800       | 09/25/2008 | 08:56:56 | 0.086                     |
| 3801       | 09/25/2008 | 08:56:57 | 0.100                     |
| 3802       | 09/25/2008 | 08:56:58 | 0.089                     |
| 3803       | 09/25/2008 | 08:56:59 | 0.108                     |
| 3804       | 09/25/2008 | 08:57:00 | 0.088                     |
| 3805       | 09/25/2008 | 08:57:01 | 0.090                     |
| 3806       | 09/25/2008 | 08:57:02 | 0.087                     |
| 3807       | 09/25/2008 | 08:57:03 | 0.089                     |
| 3808       | 09/25/2008 | 08:57:04 | 0.084                     |
| 3809       | 09/25/2008 | 08:57:05 | 0.086                     |
| 3810       | 09/25/2008 | 08:57:06 | 0.114                     |
| 3811       | 09/25/2008 | 08:57:07 | 0.085                     |
| 3812       | 09/25/2008 | 08:57:08 | 0.105                     |
| 3813       | 09/25/2008 | 08:57:09 | 0.127                     |
| 3814       | 09/25/2008 | 08:57:10 | 0.096                     |
| 3815       | 09/25/2008 | 08:57:11 | 0.101                     |
| 3816       | 09/25/2008 | 08:57:12 | 0.090                     |
| 3817       | 09/25/2008 | 08:57:13 | 0.117                     |
| 3818       | 09/25/2008 | 08:57:14 | 0.088                     |
| 3819       | 09/25/2008 | 08:57:15 | 0.095                     |
| 3820       | 09/25/2008 | 08:57:16 | 0.098                     |
| 3821       | 09/25/2008 | 08:57:17 | 0.091                     |
| 3822       | 09/25/2008 | 08:57:18 | 0.092                     |
| 3823       | 09/25/2008 | 08:57:19 | 0.102                     |
| 3824       | 09/25/2008 | 08:57:20 | 0.102                     |
| 3825       | 09/25/2008 | 08:57:21 | 0.088                     |
| 3826       | 09/25/2008 | 08:57:22 | 0.104                     |
| 3827       | 09/25/2008 | 08:57:23 | 0.105                     |
| 3828       | 09/25/2008 | 08:57:24 | 0.139                     |
| 3829       | 09/25/2008 | 08:57:25 | 0.092                     |
| 3830       | 09/25/2008 | 08:57:26 | 0.084                     |
| 3831       | 09/25/2008 | 08:57:27 | 0.100                     |
| 3832       | 09/25/2008 | 08:57:28 | 0.092                     |
| 3833       | 09/25/2008 | 08:57:29 | 0.094                     |
| 3834       | 09/25/2008 | 08:57:30 | 0.093                     |
| 3835       | 09/25/2008 | 08:57:31 | 0.107                     |
| 3836       | 09/25/2008 | 08:57:32 | 0.107                     |
| 3837       | 09/25/2008 | 08:57:33 | 0.085                     |
| 3838       | 09/25/2008 | 08:57:34 | 0.100                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 3839       | 09/25/2008 | 08:57:35 | 0.092                     |
| 3840       | 09/25/2008 | 08:57:36 | 0.104                     |
| 3841       | 09/25/2008 | 08:57:37 | 0.098                     |
| 3842       | 09/25/2008 | 08:57:38 | 0.228                     |
| 3843       | 09/25/2008 | 08:57:39 | 0.096                     |
| 3844       | 09/25/2008 | 08:57:40 | 0.108                     |
| 3845       | 09/25/2008 | 08:57:41 | 0.097                     |
| 3846       | 09/25/2008 | 08:57:42 | 0.079                     |
| 3847       | 09/25/2008 | 08:57:43 | 0.108                     |
| 3848       | 09/25/2008 | 08:57:44 | 0.093                     |
| 3849       | 09/25/2008 | 08:57:45 | 0.107                     |
| 3850       | 09/25/2008 | 08:57:46 | 0.089                     |
| 3851       | 09/25/2008 | 08:57:47 | 0.088                     |
| 3852       | 09/25/2008 | 08:57:48 | 0.086                     |
| 3853       | 09/25/2008 | 08:57:49 | 0.120                     |
| 3854       | 09/25/2008 | 08:57:50 | 0.082                     |
| 3855       | 09/25/2008 | 08:57:51 | 0.109                     |
| 3856       | 09/25/2008 | 08:57:52 | 0.091                     |
| 3857       | 09/25/2008 | 08:57:53 | 0.089                     |
| 3858       | 09/25/2008 | 08:57:54 | 0.089                     |
| 3859       | 09/25/2008 | 08:57:55 | 0.090                     |
| 3860       | 09/25/2008 | 08:57:56 | 0.087                     |
| 3861       | 09/25/2008 | 08:57:57 | 0.084                     |
| 3862       | 09/25/2008 | 08:57:58 | 0.089                     |
| 3863       | 09/25/2008 | 08:57:59 | 0.092                     |
| 3864       | 09/25/2008 | 08:58:00 | 0.093                     |
| 3865       | 09/25/2008 | 08:58:01 | 0.093                     |
| 3866       | 09/25/2008 | 08:58:02 | 0.098                     |
| 3867       | 09/25/2008 | 08:58:03 | 0.126                     |
| 3868       | 09/25/2008 | 08:58:04 | 0.085                     |
| 3869       | 09/25/2008 | 08:58:05 | 0.094                     |
| 3870       | 09/25/2008 | 08:58:06 | 0.103                     |
| 3871       | 09/25/2008 | 08:58:07 | 0.087                     |
| 3872       | 09/25/2008 | 08:58:08 | 0.113                     |
| 3873       | 09/25/2008 | 08:58:09 | 0.106                     |
| 3874       | 09/25/2008 | 08:58:10 | 0.089                     |
| 3875       | 09/25/2008 | 08:58:11 | 0.089                     |
| 3876       | 09/25/2008 | 08:58:12 | 0.090                     |
| 3877       | 09/25/2008 | 08:58:13 | 0.092                     |
| 3878       | 09/25/2008 | 08:58:14 | 0.083                     |
| 3879       | 09/25/2008 | 08:58:15 | 0.092                     |
| 3880       | 09/25/2008 | 08:58:16 | 0.098                     |
| 3881       | 09/25/2008 | 08:58:17 | 0.124                     |
| 3882       | 09/25/2008 | 08:58:18 | 0.084                     |
| 3883       | 09/25/2008 | 08:58:19 | 0.087                     |
| 3884       | 09/25/2008 | 08:58:20 | 0.092                     |
| 3885       | 09/25/2008 | 08:58:21 | 0.086                     |
| 3886       | 09/25/2008 | 08:58:22 | 0.084                     |
| 3887       | 09/25/2008 | 08:58:23 | 0.092                     |
| 3888       | 09/25/2008 | 08:58:24 | 0.086                     |
| 3889       | 09/25/2008 | 08:58:25 | 0.097                     |
| 3890       | 09/25/2008 | 08:58:26 | 0.090                     |
| 3891       | 09/25/2008 | 08:58:27 | 0.097                     |
| 3892       | 09/25/2008 | 08:58:28 | 0.084                     |
| 3893       | 09/25/2008 | 08:58:29 | 0.088                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 3894       | 09/25/2008 | 08:58:30 | 0.091                     |
| 3895       | 09/25/2008 | 08:58:31 | 0.088                     |
| 3896       | 09/25/2008 | 08:58:32 | 0.081                     |
| 3897       | 09/25/2008 | 08:58:33 | 0.102                     |
| 3898       | 09/25/2008 | 08:58:34 | 0.095                     |
| 3899       | 09/25/2008 | 08:58:35 | 0.094                     |
| 3900       | 09/25/2008 | 08:58:36 | 0.101                     |
| 3901       | 09/25/2008 | 08:58:37 | 0.105                     |
| 3902       | 09/25/2008 | 08:58:38 | 0.086                     |
| 3903       | 09/25/2008 | 08:58:39 | 0.090                     |
| 3904       | 09/25/2008 | 08:58:40 | 0.086                     |
| 3905       | 09/25/2008 | 08:58:41 | 0.098                     |
| 3906       | 09/25/2008 | 08:58:42 | 0.125                     |
| 3907       | 09/25/2008 | 08:58:43 | 0.091                     |
| 3908       | 09/25/2008 | 08:58:44 | 0.084                     |
| 3909       | 09/25/2008 | 08:58:45 | 0.101                     |
| 3910       | 09/25/2008 | 08:58:46 | 0.094                     |
| 3911       | 09/25/2008 | 08:58:47 | 0.089                     |
| 3912       | 09/25/2008 | 08:58:48 | 0.090                     |
| 3913       | 09/25/2008 | 08:58:49 | 0.125                     |
| 3914       | 09/25/2008 | 08:58:50 | 0.096                     |
| 3915       | 09/25/2008 | 08:58:51 | 0.084                     |
| 3916       | 09/25/2008 | 08:58:52 | 0.084                     |
| 3917       | 09/25/2008 | 08:58:53 | 0.106                     |
| 3918       | 09/25/2008 | 08:58:54 | 0.101                     |
| 3919       | 09/25/2008 | 08:58:55 | 0.112                     |
| 3920       | 09/25/2008 | 08:58:56 | 0.106                     |
| 3921       | 09/25/2008 | 08:58:57 | 0.091                     |
| 3922       | 09/25/2008 | 08:58:58 | 0.101                     |
| 3923       | 09/25/2008 | 08:58:59 | 0.106                     |
| 3924       | 09/25/2008 | 08:59:00 | 0.095                     |
| 3925       | 09/25/2008 | 08:59:01 | 0.087                     |
| 3926       | 09/25/2008 | 08:59:02 | 0.086                     |
| 3927       | 09/25/2008 | 08:59:03 | 0.098                     |
| 3928       | 09/25/2008 | 08:59:04 | 0.084                     |
| 3929       | 09/25/2008 | 08:59:05 | 0.089                     |
| 3930       | 09/25/2008 | 08:59:06 | 0.093                     |
| 3931       | 09/25/2008 | 08:59:07 | 0.092                     |
| 3932       | 09/25/2008 | 08:59:08 | 0.106                     |
| 3933       | 09/25/2008 | 08:59:09 | 0.086                     |
| 3934       | 09/25/2008 | 08:59:10 | 0.089                     |
| 3935       | 09/25/2008 | 08:59:11 | 0.088                     |
| 3936       | 09/25/2008 | 08:59:12 | 0.145                     |
| 3937       | 09/25/2008 | 08:59:13 | 0.107                     |
| 3938       | 09/25/2008 | 08:59:14 | 0.084                     |
| 3939       | 09/25/2008 | 08:59:15 | 0.085                     |
| 3940       | 09/25/2008 | 08:59:16 | 0.087                     |
| 3941       | 09/25/2008 | 08:59:17 | 0.085                     |
| 3942       | 09/25/2008 | 08:59:18 | 0.082                     |
| 3943       | 09/25/2008 | 08:59:19 | 0.111                     |
| 3944       | 09/25/2008 | 08:59:20 | 0.162                     |
| 3945       | 09/25/2008 | 08:59:21 | 0.087                     |
| 3946       | 09/25/2008 | 08:59:22 | 0.101                     |
| 3947       | 09/25/2008 | 08:59:23 | 0.093                     |
| 3948       | 09/25/2008 | 08:59:24 | 0.112                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 3949       | 09/25/2008 | 08:59:25 | 0.083                     |
| 3950       | 09/25/2008 | 08:59:26 | 0.097                     |
| 3951       | 09/25/2008 | 08:59:27 | 0.082                     |
| 3952       | 09/25/2008 | 08:59:28 | 0.091                     |
| 3953       | 09/25/2008 | 08:59:29 | 0.097                     |
| 3954       | 09/25/2008 | 08:59:30 | 0.083                     |
| 3955       | 09/25/2008 | 08:59:31 | 0.089                     |
| 3956       | 09/25/2008 | 08:59:32 | 0.101                     |
| 3957       | 09/25/2008 | 08:59:33 | 0.087                     |
| 3958       | 09/25/2008 | 08:59:34 | 0.093                     |
| 3959       | 09/25/2008 | 08:59:35 | 0.089                     |
| 3960       | 09/25/2008 | 08:59:36 | 0.096                     |
| 3961       | 09/25/2008 | 08:59:37 | 0.086                     |
| 3962       | 09/25/2008 | 08:59:38 | 0.119                     |
| 3963       | 09/25/2008 | 08:59:39 | 0.088                     |
| 3964       | 09/25/2008 | 08:59:40 | 0.088                     |
| 3965       | 09/25/2008 | 08:59:41 | 0.092                     |
| 3966       | 09/25/2008 | 08:59:42 | 0.116                     |
| 3967       | 09/25/2008 | 08:59:43 | 0.093                     |
| 3968       | 09/25/2008 | 08:59:44 | 0.102                     |
| 3969       | 09/25/2008 | 08:59:45 | 0.086                     |
| 3970       | 09/25/2008 | 08:59:46 | 0.114                     |
| 3971       | 09/25/2008 | 08:59:47 | 0.088                     |
| 3972       | 09/25/2008 | 08:59:48 | 0.100                     |
| 3973       | 09/25/2008 | 08:59:49 | 0.115                     |
| 3974       | 09/25/2008 | 08:59:50 | 0.091                     |
| 3975       | 09/25/2008 | 08:59:51 | 0.087                     |
| 3976       | 09/25/2008 | 08:59:52 | 0.088                     |
| 3977       | 09/25/2008 | 08:59:53 | 0.083                     |
| 3978       | 09/25/2008 | 08:59:54 | 0.089                     |
| 3979       | 09/25/2008 | 08:59:55 | 0.095                     |
| 3980       | 09/25/2008 | 08:59:56 | 0.085                     |
| 3981       | 09/25/2008 | 08:59:57 | 0.111                     |
| 3982       | 09/25/2008 | 08:59:58 | 0.098                     |
| 3983       | 09/25/2008 | 08:59:59 | 0.092                     |
| 3984       | 09/25/2008 | 09:00:00 | 0.132                     |
| 3985       | 09/25/2008 | 09:00:01 | 0.177                     |
| 3986       | 09/25/2008 | 09:00:02 | 0.088                     |
| 3987       | 09/25/2008 | 09:00:03 | 0.100                     |
| 3988       | 09/25/2008 | 09:00:04 | 0.090                     |
| 3989       | 09/25/2008 | 09:00:05 | 0.081                     |
| 3990       | 09/25/2008 | 09:00:06 | 0.109                     |
| 3991       | 09/25/2008 | 09:00:07 | 0.086                     |
| 3992       | 09/25/2008 | 09:00:08 | 0.102                     |
| 3993       | 09/25/2008 | 09:00:09 | 0.096                     |
| 3994       | 09/25/2008 | 09:00:10 | 0.158                     |
| 3995       | 09/25/2008 | 09:00:11 | 0.157                     |
| 3996       | 09/25/2008 | 09:00:12 | 0.195                     |
| 3997       | 09/25/2008 | 09:00:13 | 0.103                     |
| 3998       | 09/25/2008 | 09:00:14 | 0.119                     |
| 3999       | 09/25/2008 | 09:00:15 | 0.093                     |
| 4000       | 09/25/2008 | 09:00:16 | 0.092                     |
| 4001       | 09/25/2008 | 09:00:17 | 0.150                     |
| 4002       | 09/25/2008 | 09:00:18 | 0.090                     |
| 4003       | 09/25/2008 | 09:00:19 | 0.082                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 4004       | 09/25/2008 | 09:00:20 | 0.107                     |
| 4005       | 09/25/2008 | 09:00:21 | 0.080                     |
| 4006       | 09/25/2008 | 09:00:22 | 0.088                     |
| 4007       | 09/25/2008 | 09:00:23 | 0.095                     |
| 4008       | 09/25/2008 | 09:00:24 | 0.090                     |
| 4009       | 09/25/2008 | 09:00:25 | 0.098                     |
| 4010       | 09/25/2008 | 09:00:26 | 0.102                     |
| 4011       | 09/25/2008 | 09:00:27 | 0.111                     |
| 4012       | 09/25/2008 | 09:00:28 | 0.104                     |
| 4013       | 09/25/2008 | 09:00:29 | 0.135                     |
| 4014       | 09/25/2008 | 09:00:30 | 0.092                     |
| 4015       | 09/25/2008 | 09:00:31 | 0.107                     |
| 4016       | 09/25/2008 | 09:00:32 | 0.088                     |
| 4017       | 09/25/2008 | 09:00:33 | 0.109                     |
| 4018       | 09/25/2008 | 09:00:34 | 0.166                     |
| 4019       | 09/25/2008 | 09:00:35 | 0.122                     |
| 4020       | 09/25/2008 | 09:00:36 | 0.096                     |
| 4021       | 09/25/2008 | 09:00:37 | 0.100                     |
| 4022       | 09/25/2008 | 09:00:38 | 0.087                     |
| 4023       | 09/25/2008 | 09:00:39 | 0.087                     |
| 4024       | 09/25/2008 | 09:00:40 | 0.093                     |
| 4025       | 09/25/2008 | 09:00:41 | 0.090                     |
| 4026       | 09/25/2008 | 09:00:42 | 0.088                     |
| 4027       | 09/25/2008 | 09:00:43 | 0.090                     |
| 4028       | 09/25/2008 | 09:00:44 | 0.083                     |
| 4029       | 09/25/2008 | 09:00:45 | 0.091                     |
| 4030       | 09/25/2008 | 09:00:46 | 0.104                     |
| 4031       | 09/25/2008 | 09:00:47 | 0.104                     |
| 4032       | 09/25/2008 | 09:00:48 | 0.092                     |
| 4033       | 09/25/2008 | 09:00:49 | 0.096                     |
| 4034       | 09/25/2008 | 09:00:50 | 0.103                     |
| 4035       | 09/25/2008 | 09:00:51 | 0.085                     |
| 4036       | 09/25/2008 | 09:00:52 | 0.096                     |
| 4037       | 09/25/2008 | 09:00:53 | 0.091                     |
| 4038       | 09/25/2008 | 09:00:54 | 0.088                     |
| 4039       | 09/25/2008 | 09:00:55 | 0.094                     |
| 4040       | 09/25/2008 | 09:00:56 | 0.094                     |
| 4041       | 09/25/2008 | 09:00:57 | 0.095                     |
| 4042       | 09/25/2008 | 09:00:58 | 0.099                     |
| 4043       | 09/25/2008 | 09:00:59 | 0.082                     |
| 4044       | 09/25/2008 | 09:01:00 | 0.142                     |
| 4045       | 09/25/2008 | 09:01:01 | 0.094                     |
| 4046       | 09/25/2008 | 09:01:02 | 0.089                     |
| 4047       | 09/25/2008 | 09:01:03 | 0.098                     |
| 4048       | 09/25/2008 | 09:01:04 | 0.101                     |
| 4049       | 09/25/2008 | 09:01:05 | 0.103                     |
| 4050       | 09/25/2008 | 09:01:06 | 0.094                     |
| 4051       | 09/25/2008 | 09:01:07 | 0.100                     |
| 4052       | 09/25/2008 | 09:01:08 | 0.120                     |
| 4053       | 09/25/2008 | 09:01:09 | 0.099                     |
| 4054       | 09/25/2008 | 09:01:10 | 0.087                     |
| 4055       | 09/25/2008 | 09:01:11 | 0.097                     |
| 4056       | 09/25/2008 | 09:01:12 | 0.081                     |
| 4057       | 09/25/2008 | 09:01:13 | 0.116                     |
| 4058       | 09/25/2008 | 09:01:14 | 0.122                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 4059       | 09/25/2008 | 09:01:15 | 0.087                     |
| 4060       | 09/25/2008 | 09:01:16 | 0.117                     |
| 4061       | 09/25/2008 | 09:01:17 | 0.094                     |
| 4062       | 09/25/2008 | 09:01:18 | 0.084                     |
| 4063       | 09/25/2008 | 09:01:19 | 0.107                     |
| 4064       | 09/25/2008 | 09:01:20 | 0.099                     |
| 4065       | 09/25/2008 | 09:01:21 | 0.091                     |
| 4066       | 09/25/2008 | 09:01:22 | 0.089                     |
| 4067       | 09/25/2008 | 09:01:23 | 0.105                     |
| 4068       | 09/25/2008 | 09:01:24 | 0.111                     |
| 4069       | 09/25/2008 | 09:01:25 | 0.090                     |
| 4070       | 09/25/2008 | 09:01:26 | 0.149                     |
| 4071       | 09/25/2008 | 09:01:27 | 0.089                     |
| 4072       | 09/25/2008 | 09:01:28 | 0.094                     |
| 4073       | 09/25/2008 | 09:01:29 | 0.100                     |
| 4074       | 09/25/2008 | 09:01:30 | 0.089                     |
| 4075       | 09/25/2008 | 09:01:31 | 0.090                     |
| 4076       | 09/25/2008 | 09:01:32 | 0.095                     |
| 4077       | 09/25/2008 | 09:01:33 | 0.086                     |
| 4078       | 09/25/2008 | 09:01:34 | 0.102                     |
| 4079       | 09/25/2008 | 09:01:35 | 0.087                     |
| 4080       | 09/25/2008 | 09:01:36 | 0.142                     |
| 4081       | 09/25/2008 | 09:01:37 | 0.102                     |
| 4082       | 09/25/2008 | 09:01:38 | 0.098                     |
| 4083       | 09/25/2008 | 09:01:39 | 0.092                     |
| 4084       | 09/25/2008 | 09:01:40 | 0.096                     |
| 4085       | 09/25/2008 | 09:01:41 | 0.094                     |
| 4086       | 09/25/2008 | 09:01:42 | 0.090                     |
| 4087       | 09/25/2008 | 09:01:43 | 0.086                     |
| 4088       | 09/25/2008 | 09:01:44 | 0.086                     |
| 4089       | 09/25/2008 | 09:01:45 | 0.090                     |
| 4090       | 09/25/2008 | 09:01:46 | 0.091                     |
| 4091       | 09/25/2008 | 09:01:47 | 0.160                     |
| 4092       | 09/25/2008 | 09:01:48 | 0.098                     |
| 4093       | 09/25/2008 | 09:01:49 | 0.107                     |
| 4094       | 09/25/2008 | 09:01:50 | 0.091                     |
| 4095       | 09/25/2008 | 09:01:51 | 0.089                     |
| 4096       | 09/25/2008 | 09:01:52 | 0.092                     |
| 4097       | 09/25/2008 | 09:01:53 | 0.097                     |
| 4098       | 09/25/2008 | 09:01:54 | 0.123                     |
| 4099       | 09/25/2008 | 09:01:55 | 0.092                     |
| 4100       | 09/25/2008 | 09:01:56 | 0.092                     |
| 4101       | 09/25/2008 | 09:01:57 | 0.093                     |
| 4102       | 09/25/2008 | 09:01:58 | 0.092                     |
| 4103       | 09/25/2008 | 09:01:59 | 0.084                     |
| 4104       | 09/25/2008 | 09:02:00 | 0.088                     |
| 4105       | 09/25/2008 | 09:02:01 | 0.084                     |
| 4106       | 09/25/2008 | 09:02:02 | 0.096                     |
| 4107       | 09/25/2008 | 09:02:03 | 0.094                     |
| 4108       | 09/25/2008 | 09:02:04 | 0.123                     |
| 4109       | 09/25/2008 | 09:02:05 | 0.113                     |
| 4110       | 09/25/2008 | 09:02:06 | 0.093                     |
| 4111       | 09/25/2008 | 09:02:07 | 0.080                     |
| 4112       | 09/25/2008 | 09:02:08 | 0.090                     |
| 4113       | 09/25/2008 | 09:02:09 | 0.085                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 4114       | 09/25/2008 | 09:02:10 | 0.085                     |
| 4115       | 09/25/2008 | 09:02:11 | 0.140                     |
| 4116       | 09/25/2008 | 09:02:12 | 0.092                     |
| 4117       | 09/25/2008 | 09:02:13 | 0.109                     |
| 4118       | 09/25/2008 | 09:02:14 | 0.088                     |
| 4119       | 09/25/2008 | 09:02:15 | 0.089                     |
| 4120       | 09/25/2008 | 09:02:16 | 0.087                     |
| 4121       | 09/25/2008 | 09:02:17 | 0.115                     |
| 4122       | 09/25/2008 | 09:02:18 | 0.091                     |
| 4123       | 09/25/2008 | 09:02:19 | 0.086                     |
| 4124       | 09/25/2008 | 09:02:20 | 0.103                     |
| 4125       | 09/25/2008 | 09:02:21 | 0.096                     |
| 4126       | 09/25/2008 | 09:02:22 | 0.098                     |
| 4127       | 09/25/2008 | 09:02:23 | 0.154                     |
| 4128       | 09/25/2008 | 09:02:24 | 0.103                     |
| 4129       | 09/25/2008 | 09:02:25 | 0.096                     |
| 4130       | 09/25/2008 | 09:02:26 | 0.089                     |
| 4131       | 09/25/2008 | 09:02:27 | 0.084                     |
| 4132       | 09/25/2008 | 09:02:28 | 0.086                     |
| 4133       | 09/25/2008 | 09:02:29 | 0.080                     |
| 4134       | 09/25/2008 | 09:02:30 | 0.092                     |
| 4135       | 09/25/2008 | 09:02:31 | 0.087                     |
| 4136       | 09/25/2008 | 09:02:32 | 0.092                     |
| 4137       | 09/25/2008 | 09:02:33 | 0.085                     |
| 4138       | 09/25/2008 | 09:02:34 | 0.090                     |
| 4139       | 09/25/2008 | 09:02:35 | 0.084                     |
| 4140       | 09/25/2008 | 09:02:36 | 0.088                     |
| 4141       | 09/25/2008 | 09:02:37 | 0.087                     |
| 4142       | 09/25/2008 | 09:02:38 | 0.093                     |
| 4143       | 09/25/2008 | 09:02:39 | 0.105                     |
| 4144       | 09/25/2008 | 09:02:40 | 0.107                     |
| 4145       | 09/25/2008 | 09:02:41 | 0.089                     |
| 4146       | 09/25/2008 | 09:02:42 | 0.087                     |
| 4147       | 09/25/2008 | 09:02:43 | 0.095                     |
| 4148       | 09/25/2008 | 09:02:44 | 0.085                     |
| 4149       | 09/25/2008 | 09:02:45 | 0.091                     |
| 4150       | 09/25/2008 | 09:02:46 | 0.100                     |
| 4151       | 09/25/2008 | 09:02:47 | 0.089                     |
| 4152       | 09/25/2008 | 09:02:48 | 0.095                     |
| 4153       | 09/25/2008 | 09:02:49 | 0.086                     |
| 4154       | 09/25/2008 | 09:02:50 | 0.093                     |
| 4155       | 09/25/2008 | 09:02:51 | 0.084                     |
| 4156       | 09/25/2008 | 09:02:52 | 0.093                     |
| 4157       | 09/25/2008 | 09:02:53 | 0.084                     |
| 4158       | 09/25/2008 | 09:02:54 | 0.094                     |
| 4159       | 09/25/2008 | 09:02:55 | 0.119                     |
| 4160       | 09/25/2008 | 09:02:56 | 0.088                     |
| 4161       | 09/25/2008 | 09:02:57 | 0.086                     |
| 4162       | 09/25/2008 | 09:02:58 | 0.087                     |
| 4163       | 09/25/2008 | 09:02:59 | 0.090                     |
| 4164       | 09/25/2008 | 09:03:00 | 0.089                     |
| 4165       | 09/25/2008 | 09:03:01 | 0.087                     |
| 4166       | 09/25/2008 | 09:03:02 | 0.212                     |
| 4167       | 09/25/2008 | 09:03:03 | 0.087                     |
| 4168       | 09/25/2008 | 09:03:04 | 0.146                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 4169       | 09/25/2008 | 09:03:05 | 0.099                     |
| 4170       | 09/25/2008 | 09:03:06 | 0.089                     |
| 4171       | 09/25/2008 | 09:03:07 | 0.091                     |
| 4172       | 09/25/2008 | 09:03:08 | 0.086                     |
| 4173       | 09/25/2008 | 09:03:09 | 0.100                     |
| 4174       | 09/25/2008 | 09:03:10 | 0.085                     |
| 4175       | 09/25/2008 | 09:03:11 | 0.099                     |
| 4176       | 09/25/2008 | 09:03:12 | 0.090                     |
| 4177       | 09/25/2008 | 09:03:13 | 0.096                     |
| 4178       | 09/25/2008 | 09:03:14 | 0.096                     |
| 4179       | 09/25/2008 | 09:03:15 | 0.099                     |
| 4180       | 09/25/2008 | 09:03:16 | 0.096                     |
| 4181       | 09/25/2008 | 09:03:17 | 0.091                     |
| 4182       | 09/25/2008 | 09:03:18 | 0.108                     |
| 4183       | 09/25/2008 | 09:03:19 | 0.093                     |
| 4184       | 09/25/2008 | 09:03:20 | 0.094                     |
| 4185       | 09/25/2008 | 09:03:21 | 0.089                     |
| 4186       | 09/25/2008 | 09:03:22 | 0.105                     |
| 4187       | 09/25/2008 | 09:03:23 | 0.089                     |
| 4188       | 09/25/2008 | 09:03:24 | 0.088                     |
| 4189       | 09/25/2008 | 09:03:25 | 0.085                     |
| 4190       | 09/25/2008 | 09:03:26 | 0.105                     |
| 4191       | 09/25/2008 | 09:03:27 | 0.109                     |
| 4192       | 09/25/2008 | 09:03:28 | 0.096                     |
| 4193       | 09/25/2008 | 09:03:29 | 0.090                     |
| 4194       | 09/25/2008 | 09:03:30 | 0.092                     |
| 4195       | 09/25/2008 | 09:03:31 | 0.116                     |
| 4196       | 09/25/2008 | 09:03:32 | 0.100                     |
| 4197       | 09/25/2008 | 09:03:33 | 0.095                     |
| 4198       | 09/25/2008 | 09:03:34 | 0.126                     |
| 4199       | 09/25/2008 | 09:03:35 | 0.089                     |
| 4200       | 09/25/2008 | 09:03:36 | 0.090                     |
| 4201       | 09/25/2008 | 09:03:37 | 0.089                     |
| 4202       | 09/25/2008 | 09:03:38 | 0.112                     |
| 4203       | 09/25/2008 | 09:03:39 | 0.095                     |
| 4204       | 09/25/2008 | 09:03:40 | 0.115                     |
| 4205       | 09/25/2008 | 09:03:41 | 0.090                     |
| 4206       | 09/25/2008 | 09:03:42 | 0.110                     |
| 4207       | 09/25/2008 | 09:03:43 | 0.091                     |
| 4208       | 09/25/2008 | 09:03:44 | 0.129                     |
| 4209       | 09/25/2008 | 09:03:45 | 0.084                     |
| 4210       | 09/25/2008 | 09:03:46 | 0.103                     |
| 4211       | 09/25/2008 | 09:03:47 | 0.083                     |
| 4212       | 09/25/2008 | 09:03:48 | 0.096                     |
| 4213       | 09/25/2008 | 09:03:49 | 0.085                     |
| 4214       | 09/25/2008 | 09:03:50 | 0.082                     |
| 4215       | 09/25/2008 | 09:03:51 | 0.085                     |
| 4216       | 09/25/2008 | 09:03:52 | 0.093                     |
| 4217       | 09/25/2008 | 09:03:53 | 0.117                     |
| 4218       | 09/25/2008 | 09:03:54 | 0.086                     |
| 4219       | 09/25/2008 | 09:03:55 | 0.090                     |
| 4220       | 09/25/2008 | 09:03:56 | 0.094                     |
| 4221       | 09/25/2008 | 09:03:57 | 0.088                     |
| 4222       | 09/25/2008 | 09:03:58 | 0.085                     |
| 4223       | 09/25/2008 | 09:03:59 | 0.092                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 4224       | 09/25/2008 | 09:04:00 | 0.085                     |
| 4225       | 09/25/2008 | 09:04:01 | 0.097                     |
| 4226       | 09/25/2008 | 09:04:02 | 0.094                     |
| 4227       | 09/25/2008 | 09:04:03 | 0.127                     |
| 4228       | 09/25/2008 | 09:04:04 | 0.084                     |
| 4229       | 09/25/2008 | 09:04:05 | 0.123                     |
| 4230       | 09/25/2008 | 09:04:06 | 0.102                     |
| 4231       | 09/25/2008 | 09:04:07 | 0.097                     |
| 4232       | 09/25/2008 | 09:04:08 | 0.091                     |
| 4233       | 09/25/2008 | 09:04:09 | 0.089                     |
| 4234       | 09/25/2008 | 09:04:10 | 0.081                     |
| 4235       | 09/25/2008 | 09:04:11 | 0.081                     |
| 4236       | 09/25/2008 | 09:04:12 | 0.087                     |
| 4237       | 09/25/2008 | 09:04:13 | 0.095                     |
| 4238       | 09/25/2008 | 09:04:14 | 0.087                     |
| 4239       | 09/25/2008 | 09:04:15 | 0.087                     |
| 4240       | 09/25/2008 | 09:04:16 | 0.086                     |
| 4241       | 09/25/2008 | 09:04:17 | 0.116                     |
| 4242       | 09/25/2008 | 09:04:18 | 0.080                     |
| 4243       | 09/25/2008 | 09:04:19 | 0.085                     |
| 4244       | 09/25/2008 | 09:04:20 | 0.096                     |
| 4245       | 09/25/2008 | 09:04:21 | 0.093                     |
| 4246       | 09/25/2008 | 09:04:22 | 0.094                     |
| 4247       | 09/25/2008 | 09:04:23 | 0.090                     |
| 4248       | 09/25/2008 | 09:04:24 | 0.082                     |
| 4249       | 09/25/2008 | 09:04:25 | 0.086                     |
| 4250       | 09/25/2008 | 09:04:26 | 0.096                     |
| 4251       | 09/25/2008 | 09:04:27 | 0.082                     |
| 4252       | 09/25/2008 | 09:04:28 | 0.126                     |
| 4253       | 09/25/2008 | 09:04:29 | 0.100                     |
| 4254       | 09/25/2008 | 09:04:30 | 0.091                     |
| 4255       | 09/25/2008 | 09:04:31 | 0.092                     |
| 4256       | 09/25/2008 | 09:04:32 | 0.091                     |
| 4257       | 09/25/2008 | 09:04:33 | 0.093                     |
| 4258       | 09/25/2008 | 09:04:34 | 0.098                     |
| 4259       | 09/25/2008 | 09:04:35 | 0.111                     |
| 4260       | 09/25/2008 | 09:04:36 | 0.094                     |
| 4261       | 09/25/2008 | 09:04:37 | 0.090                     |
| 4262       | 09/25/2008 | 09:04:38 | 0.103                     |
| 4263       | 09/25/2008 | 09:04:39 | 0.095                     |
| 4264       | 09/25/2008 | 09:04:40 | 0.084                     |
| 4265       | 09/25/2008 | 09:04:41 | 0.100                     |
| 4266       | 09/25/2008 | 09:04:42 | 0.100                     |
| 4267       | 09/25/2008 | 09:04:43 | 0.084                     |
| 4268       | 09/25/2008 | 09:04:44 | 0.089                     |
| 4269       | 09/25/2008 | 09:04:45 | 0.117                     |
| 4270       | 09/25/2008 | 09:04:46 | 0.109                     |
| 4271       | 09/25/2008 | 09:04:47 | 0.090                     |
| 4272       | 09/25/2008 | 09:04:48 | 0.096                     |
| 4273       | 09/25/2008 | 09:04:49 | 0.086                     |
| 4274       | 09/25/2008 | 09:04:50 | 0.094                     |
| 4275       | 09/25/2008 | 09:04:51 | 0.088                     |
| 4276       | 09/25/2008 | 09:04:52 | 0.084                     |
| 4277       | 09/25/2008 | 09:04:53 | 0.105                     |
| 4278       | 09/25/2008 | 09:04:54 | 0.119                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 4279       | 09/25/2008 | 09:04:55 | 0.112                     |
| 4280       | 09/25/2008 | 09:04:56 | 0.087                     |
| 4281       | 09/25/2008 | 09:04:57 | 0.096                     |
| 4282       | 09/25/2008 | 09:04:58 | 0.088                     |
| 4283       | 09/25/2008 | 09:04:59 | 0.121                     |
| 4284       | 09/25/2008 | 09:05:00 | 0.091                     |
| 4285       | 09/25/2008 | 09:05:01 | 0.093                     |
| 4286       | 09/25/2008 | 09:05:02 | 0.081                     |
| 4287       | 09/25/2008 | 09:05:03 | 0.093                     |
| 4288       | 09/25/2008 | 09:05:04 | 0.098                     |
| 4289       | 09/25/2008 | 09:05:05 | 0.079                     |
| 4290       | 09/25/2008 | 09:05:06 | 0.089                     |
| 4291       | 09/25/2008 | 09:05:07 | 0.084                     |
| 4292       | 09/25/2008 | 09:05:08 | 0.080                     |
| 4293       | 09/25/2008 | 09:05:09 | 0.083                     |
| 4294       | 09/25/2008 | 09:05:10 | 0.103                     |
| 4295       | 09/25/2008 | 09:05:11 | 0.087                     |
| 4296       | 09/25/2008 | 09:05:12 | 0.096                     |
| 4297       | 09/25/2008 | 09:05:13 | 0.099                     |
| 4298       | 09/25/2008 | 09:05:14 | 0.089                     |
| 4299       | 09/25/2008 | 09:05:15 | 0.085                     |
| 4300       | 09/25/2008 | 09:05:16 | 0.086                     |
| 4301       | 09/25/2008 | 09:05:17 | 0.100                     |
| 4302       | 09/25/2008 | 09:05:18 | 0.093                     |
| 4303       | 09/25/2008 | 09:05:19 | 0.095                     |
| 4304       | 09/25/2008 | 09:05:20 | 0.088                     |
| 4305       | 09/25/2008 | 09:05:21 | 0.114                     |
| 4306       | 09/25/2008 | 09:05:22 | 0.088                     |
| 4307       | 09/25/2008 | 09:05:23 | 0.096                     |
| 4308       | 09/25/2008 | 09:05:24 | 0.265                     |
| 4309       | 09/25/2008 | 09:05:25 | 0.090                     |
| 4310       | 09/25/2008 | 09:05:26 | 0.094                     |
| 4311       | 09/25/2008 | 09:05:27 | 0.090                     |
| 4312       | 09/25/2008 | 09:05:28 | 0.098                     |
| 4313       | 09/25/2008 | 09:05:29 | 0.083                     |
| 4314       | 09/25/2008 | 09:05:30 | 0.085                     |
| 4315       | 09/25/2008 | 09:05:31 | 0.086                     |
| 4316       | 09/25/2008 | 09:05:32 | 0.131                     |
| 4317       | 09/25/2008 | 09:05:33 | 0.146                     |
| 4318       | 09/25/2008 | 09:05:34 | 0.093                     |
| 4319       | 09/25/2008 | 09:05:35 | 0.084                     |
| 4320       | 09/25/2008 | 09:05:36 | 0.082                     |
| 4321       | 09/25/2008 | 09:05:37 | 0.119                     |
| 4322       | 09/25/2008 | 09:05:38 | 0.087                     |
| 4323       | 09/25/2008 | 09:05:39 | 0.096                     |
| 4324       | 09/25/2008 | 09:05:40 | 0.099                     |
| 4325       | 09/25/2008 | 09:05:41 | 0.087                     |
| 4326       | 09/25/2008 | 09:05:42 | 0.098                     |
| 4327       | 09/25/2008 | 09:05:43 | 0.080                     |
| 4328       | 09/25/2008 | 09:05:44 | 0.083                     |
| 4329       | 09/25/2008 | 09:05:45 | 0.092                     |
| 4330       | 09/25/2008 | 09:05:46 | 0.080                     |
| 4331       | 09/25/2008 | 09:05:47 | 0.081                     |
| 4332       | 09/25/2008 | 09:05:48 | 0.088                     |
| 4333       | 09/25/2008 | 09:05:49 | 0.100                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 4334       | 09/25/2008 | 09:05:50 | 0.088                     |
| 4335       | 09/25/2008 | 09:05:51 | 0.085                     |
| 4336       | 09/25/2008 | 09:05:52 | 0.090                     |
| 4337       | 09/25/2008 | 09:05:53 | 0.086                     |
| 4338       | 09/25/2008 | 09:05:54 | 0.092                     |
| 4339       | 09/25/2008 | 09:05:55 | 0.094                     |
| 4340       | 09/25/2008 | 09:05:56 | 0.110                     |
| 4341       | 09/25/2008 | 09:05:57 | 0.081                     |
| 4342       | 09/25/2008 | 09:05:58 | 0.089                     |
| 4343       | 09/25/2008 | 09:05:59 | 0.094                     |
| 4344       | 09/25/2008 | 09:06:00 | 0.095                     |
| 4345       | 09/25/2008 | 09:06:01 | 0.078                     |
| 4346       | 09/25/2008 | 09:06:02 | 0.103                     |
| 4347       | 09/25/2008 | 09:06:03 | 0.095                     |
| 4348       | 09/25/2008 | 09:06:04 | 0.099                     |
| 4349       | 09/25/2008 | 09:06:05 | 0.090                     |
| 4350       | 09/25/2008 | 09:06:06 | 0.088                     |
| 4351       | 09/25/2008 | 09:06:07 | 0.088                     |
| 4352       | 09/25/2008 | 09:06:08 | 0.082                     |
| 4353       | 09/25/2008 | 09:06:09 | 0.109                     |
| 4354       | 09/25/2008 | 09:06:10 | 0.092                     |
| 4355       | 09/25/2008 | 09:06:11 | 0.085                     |
| 4356       | 09/25/2008 | 09:06:12 | 0.091                     |
| 4357       | 09/25/2008 | 09:06:13 | 0.089                     |
| 4358       | 09/25/2008 | 09:06:14 | 0.101                     |
| 4359       | 09/25/2008 | 09:06:15 | 0.082                     |
| 4360       | 09/25/2008 | 09:06:16 | 0.088                     |
| 4361       | 09/25/2008 | 09:06:17 | 0.084                     |
| 4362       | 09/25/2008 | 09:06:18 | 0.091                     |
| 4363       | 09/25/2008 | 09:06:19 | 0.112                     |
| 4364       | 09/25/2008 | 09:06:20 | 0.080                     |
| 4365       | 09/25/2008 | 09:06:21 | 0.094                     |
| 4366       | 09/25/2008 | 09:06:22 | 0.084                     |
| 4367       | 09/25/2008 | 09:06:23 | 0.080                     |
| 4368       | 09/25/2008 | 09:06:24 | 0.089                     |
| 4369       | 09/25/2008 | 09:06:25 | 0.093                     |
| 4370       | 09/25/2008 | 09:06:26 | 0.080                     |
| 4371       | 09/25/2008 | 09:06:27 | 0.085                     |
| 4372       | 09/25/2008 | 09:06:28 | 0.087                     |
| 4373       | 09/25/2008 | 09:06:29 | 0.092                     |
| 4374       | 09/25/2008 | 09:06:30 | 0.080                     |
| 4375       | 09/25/2008 | 09:06:31 | 0.087                     |
| 4376       | 09/25/2008 | 09:06:32 | 0.102                     |
| 4377       | 09/25/2008 | 09:06:33 | 0.077                     |
| 4378       | 09/25/2008 | 09:06:34 | 0.085                     |
| 4379       | 09/25/2008 | 09:06:35 | 0.086                     |
| 4380       | 09/25/2008 | 09:06:36 | 0.092                     |
| 4381       | 09/25/2008 | 09:06:37 | 0.096                     |
| 4382       | 09/25/2008 | 09:06:38 | 0.095                     |
| 4383       | 09/25/2008 | 09:06:39 | 0.106                     |
| 4384       | 09/25/2008 | 09:06:40 | 0.081                     |
| 4385       | 09/25/2008 | 09:06:41 | 0.098                     |
| 4386       | 09/25/2008 | 09:06:42 | 0.102                     |
| 4387       | 09/25/2008 | 09:06:43 | 0.083                     |
| 4388       | 09/25/2008 | 09:06:44 | 0.087                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 4389       | 09/25/2008 | 09:06:45 | 0.108                     |
| 4390       | 09/25/2008 | 09:06:46 | 0.109                     |
| 4391       | 09/25/2008 | 09:06:47 | 0.096                     |
| 4392       | 09/25/2008 | 09:06:48 | 0.109                     |
| 4393       | 09/25/2008 | 09:06:49 | 0.093                     |
| 4394       | 09/25/2008 | 09:06:50 | 0.108                     |
| 4395       | 09/25/2008 | 09:06:51 | 0.133                     |
| 4396       | 09/25/2008 | 09:06:52 | 0.085                     |
| 4397       | 09/25/2008 | 09:06:53 | 0.087                     |
| 4398       | 09/25/2008 | 09:06:54 | 0.097                     |
| 4399       | 09/25/2008 | 09:06:55 | 0.088                     |
| 4400       | 09/25/2008 | 09:06:56 | 0.103                     |
| 4401       | 09/25/2008 | 09:06:57 | 0.099                     |
| 4402       | 09/25/2008 | 09:06:58 | 0.092                     |
| 4403       | 09/25/2008 | 09:06:59 | 0.100                     |
| 4404       | 09/25/2008 | 09:07:00 | 0.095                     |
| 4405       | 09/25/2008 | 09:07:01 | 0.087                     |
| 4406       | 09/25/2008 | 09:07:02 | 0.083                     |
| 4407       | 09/25/2008 | 09:07:03 | 0.083                     |
| 4408       | 09/25/2008 | 09:07:04 | 0.089                     |
| 4409       | 09/25/2008 | 09:07:05 | 0.092                     |
| 4410       | 09/25/2008 | 09:07:06 | 0.123                     |
| 4411       | 09/25/2008 | 09:07:07 | 0.104                     |
| 4412       | 09/25/2008 | 09:07:08 | 0.100                     |
| 4413       | 09/25/2008 | 09:07:09 | 0.102                     |
| 4414       | 09/25/2008 | 09:07:10 | 0.085                     |
| 4415       | 09/25/2008 | 09:07:11 | 0.090                     |
| 4416       | 09/25/2008 | 09:07:12 | 0.083                     |
| 4417       | 09/25/2008 | 09:07:13 | 0.086                     |
| 4418       | 09/25/2008 | 09:07:14 | 0.085                     |
| 4419       | 09/25/2008 | 09:07:15 | 0.096                     |
| 4420       | 09/25/2008 | 09:07:16 | 0.104                     |
| 4421       | 09/25/2008 | 09:07:17 | 0.090                     |
| 4422       | 09/25/2008 | 09:07:18 | 0.081                     |
| 4423       | 09/25/2008 | 09:07:19 | 0.081                     |
| 4424       | 09/25/2008 | 09:07:20 | 0.091                     |
| 4425       | 09/25/2008 | 09:07:21 | 0.085                     |
| 4426       | 09/25/2008 | 09:07:22 | 0.104                     |
| 4427       | 09/25/2008 | 09:07:23 | 0.094                     |
| 4428       | 09/25/2008 | 09:07:24 | 0.083                     |
| 4429       | 09/25/2008 | 09:07:25 | 0.081                     |
| 4430       | 09/25/2008 | 09:07:26 | 0.084                     |
| 4431       | 09/25/2008 | 09:07:27 | 0.097                     |
| 4432       | 09/25/2008 | 09:07:28 | 0.086                     |
| 4433       | 09/25/2008 | 09:07:29 | 0.090                     |
| 4434       | 09/25/2008 | 09:07:30 | 0.083                     |
| 4435       | 09/25/2008 | 09:07:31 | 0.100                     |
| 4436       | 09/25/2008 | 09:07:32 | 0.097                     |
| 4437       | 09/25/2008 | 09:07:33 | 0.091                     |
| 4438       | 09/25/2008 | 09:07:34 | 0.084                     |
| 4439       | 09/25/2008 | 09:07:35 | 0.091                     |
| 4440       | 09/25/2008 | 09:07:36 | 0.087                     |
| 4441       | 09/25/2008 | 09:07:37 | 0.079                     |
| 4442       | 09/25/2008 | 09:07:38 | 0.132                     |
| 4443       | 09/25/2008 | 09:07:39 | 0.102                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 4444       | 09/25/2008 | 09:07:40 | 0.101                     |
| 4445       | 09/25/2008 | 09:07:41 | 0.084                     |
| 4446       | 09/25/2008 | 09:07:42 | 0.100                     |
| 4447       | 09/25/2008 | 09:07:43 | 0.089                     |
| 4448       | 09/25/2008 | 09:07:44 | 0.085                     |
| 4449       | 09/25/2008 | 09:07:45 | 0.084                     |
| 4450       | 09/25/2008 | 09:07:46 | 0.080                     |
| 4451       | 09/25/2008 | 09:07:47 | 0.094                     |
| 4452       | 09/25/2008 | 09:07:48 | 0.087                     |
| 4453       | 09/25/2008 | 09:07:49 | 0.090                     |
| 4454       | 09/25/2008 | 09:07:50 | 0.098                     |
| 4455       | 09/25/2008 | 09:07:51 | 0.098                     |
| 4456       | 09/25/2008 | 09:07:52 | 0.097                     |
| 4457       | 09/25/2008 | 09:07:53 | 0.082                     |
| 4458       | 09/25/2008 | 09:07:54 | 0.090                     |
| 4459       | 09/25/2008 | 09:07:55 | 0.108                     |
| 4460       | 09/25/2008 | 09:07:56 | 0.092                     |
| 4461       | 09/25/2008 | 09:07:57 | 0.086                     |
| 4462       | 09/25/2008 | 09:07:58 | 0.080                     |
| 4463       | 09/25/2008 | 09:07:59 | 0.091                     |
| 4464       | 09/25/2008 | 09:08:00 | 0.095                     |
| 4465       | 09/25/2008 | 09:08:01 | 0.083                     |
| 4466       | 09/25/2008 | 09:08:02 | 0.087                     |
| 4467       | 09/25/2008 | 09:08:03 | 0.087                     |
| 4468       | 09/25/2008 | 09:08:04 | 0.087                     |
| 4469       | 09/25/2008 | 09:08:05 | 0.102                     |
| 4470       | 09/25/2008 | 09:08:06 | 0.081                     |
| 4471       | 09/25/2008 | 09:08:07 | 0.115                     |
| 4472       | 09/25/2008 | 09:08:08 | 0.085                     |
| 4473       | 09/25/2008 | 09:08:09 | 0.104                     |
| 4474       | 09/25/2008 | 09:08:10 | 0.091                     |
| 4475       | 09/25/2008 | 09:08:11 | 0.107                     |
| 4476       | 09/25/2008 | 09:08:12 | 0.090                     |
| 4477       | 09/25/2008 | 09:08:13 | 0.083                     |
| 4478       | 09/25/2008 | 09:08:14 | 0.084                     |
| 4479       | 09/25/2008 | 09:08:15 | 0.090                     |
| 4480       | 09/25/2008 | 09:08:16 | 0.106                     |
| 4481       | 09/25/2008 | 09:08:17 | 0.088                     |
| 4482       | 09/25/2008 | 09:08:18 | 0.102                     |
| 4483       | 09/25/2008 | 09:08:19 | 0.088                     |
| 4484       | 09/25/2008 | 09:08:20 | 0.096                     |
| 4485       | 09/25/2008 | 09:08:21 | 0.090                     |
| 4486       | 09/25/2008 | 09:08:22 | 0.089                     |
| 4487       | 09/25/2008 | 09:08:23 | 0.087                     |
| 4488       | 09/25/2008 | 09:08:24 | 0.116                     |
| 4489       | 09/25/2008 | 09:08:25 | 0.098                     |
| 4490       | 09/25/2008 | 09:08:26 | 0.131                     |
| 4491       | 09/25/2008 | 09:08:27 | 0.125                     |
| 4492       | 09/25/2008 | 09:08:28 | 0.093                     |
| 4493       | 09/25/2008 | 09:08:29 | 0.082                     |
| 4494       | 09/25/2008 | 09:08:30 | 0.095                     |
| 4495       | 09/25/2008 | 09:08:31 | 0.092                     |
| 4496       | 09/25/2008 | 09:08:32 | 0.086                     |
| 4497       | 09/25/2008 | 09:08:33 | 0.082                     |
| 4498       | 09/25/2008 | 09:08:34 | 0.097                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 4499       | 09/25/2008 | 09:08:35 | 0.091                     |
| 4500       | 09/25/2008 | 09:08:36 | 0.090                     |
| 4501       | 09/25/2008 | 09:08:37 | 0.099                     |
| 4502       | 09/25/2008 | 09:08:38 | 0.088                     |
| 4503       | 09/25/2008 | 09:08:39 | 0.103                     |
| 4504       | 09/25/2008 | 09:08:40 | 0.095                     |
| 4505       | 09/25/2008 | 09:08:41 | 0.184                     |
| 4506       | 09/25/2008 | 09:08:42 | 0.083                     |
| 4507       | 09/25/2008 | 09:08:43 | 0.085                     |
| 4508       | 09/25/2008 | 09:08:44 | 0.087                     |
| 4509       | 09/25/2008 | 09:08:45 | 0.087                     |
| 4510       | 09/25/2008 | 09:08:46 | 0.081                     |
| 4511       | 09/25/2008 | 09:08:47 | 0.095                     |
| 4512       | 09/25/2008 | 09:08:48 | 0.085                     |
| 4513       | 09/25/2008 | 09:08:49 | 0.086                     |
| 4514       | 09/25/2008 | 09:08:50 | 0.091                     |
| 4515       | 09/25/2008 | 09:08:51 | 0.082                     |
| 4516       | 09/25/2008 | 09:08:52 | 0.085                     |
| 4517       | 09/25/2008 | 09:08:53 | 0.080                     |
| 4518       | 09/25/2008 | 09:08:54 | 0.082                     |
| 4519       | 09/25/2008 | 09:08:55 | 0.109                     |
| 4520       | 09/25/2008 | 09:08:56 | 0.079                     |
| 4521       | 09/25/2008 | 09:08:57 | 0.088                     |
| 4522       | 09/25/2008 | 09:08:58 | 0.091                     |
| 4523       | 09/25/2008 | 09:08:59 | 0.116                     |
| 4524       | 09/25/2008 | 09:09:00 | 0.092                     |
| 4525       | 09/25/2008 | 09:09:01 | 0.091                     |
| 4526       | 09/25/2008 | 09:09:02 | 0.095                     |
| 4527       | 09/25/2008 | 09:09:03 | 0.087                     |
| 4528       | 09/25/2008 | 09:09:04 | 0.082                     |
| 4529       | 09/25/2008 | 09:09:05 | 0.083                     |
| 4530       | 09/25/2008 | 09:09:06 | 0.083                     |
| 4531       | 09/25/2008 | 09:09:07 | 0.093                     |
| 4532       | 09/25/2008 | 09:09:08 | 0.103                     |
| 4533       | 09/25/2008 | 09:09:09 | 0.086                     |
| 4534       | 09/25/2008 | 09:09:10 | 0.086                     |
| 4535       | 09/25/2008 | 09:09:11 | 0.087                     |
| 4536       | 09/25/2008 | 09:09:12 | 0.085                     |
| 4537       | 09/25/2008 | 09:09:13 | 0.085                     |
| 4538       | 09/25/2008 | 09:09:14 | 0.084                     |
| 4539       | 09/25/2008 | 09:09:15 | 0.082                     |
| 4540       | 09/25/2008 | 09:09:16 | 0.084                     |
| 4541       | 09/25/2008 | 09:09:17 | 0.081                     |
| 4542       | 09/25/2008 | 09:09:18 | 0.087                     |
| 4543       | 09/25/2008 | 09:09:19 | 0.113                     |
| 4544       | 09/25/2008 | 09:09:20 | 0.107                     |
| 4545       | 09/25/2008 | 09:09:21 | 0.088                     |
| 4546       | 09/25/2008 | 09:09:22 | 0.085                     |
| 4547       | 09/25/2008 | 09:09:23 | 0.088                     |
| 4548       | 09/25/2008 | 09:09:24 | 0.091                     |
| 4549       | 09/25/2008 | 09:09:25 | 0.085                     |
| 4550       | 09/25/2008 | 09:09:26 | 0.090                     |
| 4551       | 09/25/2008 | 09:09:27 | 0.092                     |
| 4552       | 09/25/2008 | 09:09:28 | 0.097                     |
| 4553       | 09/25/2008 | 09:09:29 | 0.089                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 4554       | 09/25/2008 | 09:09:30 | 0.094                     |
| 4555       | 09/25/2008 | 09:09:31 | 0.084                     |
| 4556       | 09/25/2008 | 09:09:32 | 0.097                     |
| 4557       | 09/25/2008 | 09:09:33 | 0.106                     |
| 4558       | 09/25/2008 | 09:09:34 | 0.083                     |
| 4559       | 09/25/2008 | 09:09:35 | 0.076                     |
| 4560       | 09/25/2008 | 09:09:36 | 0.101                     |
| 4561       | 09/25/2008 | 09:09:37 | 0.081                     |
| 4562       | 09/25/2008 | 09:09:38 | 0.084                     |
| 4563       | 09/25/2008 | 09:09:39 | 0.083                     |
| 4564       | 09/25/2008 | 09:09:40 | 0.079                     |
| 4565       | 09/25/2008 | 09:09:41 | 0.125                     |
| 4566       | 09/25/2008 | 09:09:42 | 0.135                     |
| 4567       | 09/25/2008 | 09:09:43 | 0.086                     |
| 4568       | 09/25/2008 | 09:09:44 | 0.086                     |
| 4569       | 09/25/2008 | 09:09:45 | 0.081                     |
| 4570       | 09/25/2008 | 09:09:46 | 0.090                     |
| 4571       | 09/25/2008 | 09:09:47 | 0.087                     |
| 4572       | 09/25/2008 | 09:09:48 | 0.095                     |
| 4573       | 09/25/2008 | 09:09:49 | 0.090                     |
| 4574       | 09/25/2008 | 09:09:50 | 0.081                     |
| 4575       | 09/25/2008 | 09:09:51 | 0.086                     |
| 4576       | 09/25/2008 | 09:09:52 | 0.080                     |
| 4577       | 09/25/2008 | 09:09:53 | 0.086                     |
| 4578       | 09/25/2008 | 09:09:54 | 0.075                     |
| 4579       | 09/25/2008 | 09:09:55 | 0.095                     |
| 4580       | 09/25/2008 | 09:09:56 | 0.086                     |
| 4581       | 09/25/2008 | 09:09:57 | 0.096                     |
| 4582       | 09/25/2008 | 09:09:58 | 0.082                     |
| 4583       | 09/25/2008 | 09:09:59 | 0.084                     |
| 4584       | 09/25/2008 | 09:10:00 | 0.089                     |
| 4585       | 09/25/2008 | 09:10:01 | 0.087                     |
| 4586       | 09/25/2008 | 09:10:02 | 0.103                     |
| 4587       | 09/25/2008 | 09:10:03 | 0.082                     |
| 4588       | 09/25/2008 | 09:10:04 | 0.094                     |
| 4589       | 09/25/2008 | 09:10:05 | 0.089                     |
| 4590       | 09/25/2008 | 09:10:06 | 0.091                     |
| 4591       | 09/25/2008 | 09:10:07 | 0.095                     |
| 4592       | 09/25/2008 | 09:10:08 | 0.085                     |
| 4593       | 09/25/2008 | 09:10:09 | 0.086                     |
| 4594       | 09/25/2008 | 09:10:10 | 0.089                     |
| 4595       | 09/25/2008 | 09:10:11 | 0.080                     |
| 4596       | 09/25/2008 | 09:10:12 | 0.083                     |
| 4597       | 09/25/2008 | 09:10:13 | 0.081                     |
| 4598       | 09/25/2008 | 09:10:14 | 0.077                     |
| 4599       | 09/25/2008 | 09:10:15 | 0.081                     |
| 4600       | 09/25/2008 | 09:10:16 | 0.099                     |
| 4601       | 09/25/2008 | 09:10:17 | 0.091                     |
| 4602       | 09/25/2008 | 09:10:18 | 0.087                     |
| 4603       | 09/25/2008 | 09:10:19 | 0.086                     |
| 4604       | 09/25/2008 | 09:10:20 | 0.101                     |
| 4605       | 09/25/2008 | 09:10:21 | 0.095                     |
| 4606       | 09/25/2008 | 09:10:22 | 0.085                     |
| 4607       | 09/25/2008 | 09:10:23 | 0.087                     |
| 4608       | 09/25/2008 | 09:10:24 | 0.082                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 4609       | 09/25/2008 | 09:10:25 | 0.090                     |
| 4610       | 09/25/2008 | 09:10:26 | 0.102                     |
| 4611       | 09/25/2008 | 09:10:27 | 0.091                     |
| 4612       | 09/25/2008 | 09:10:28 | 0.089                     |
| 4613       | 09/25/2008 | 09:10:29 | 0.085                     |
| 4614       | 09/25/2008 | 09:10:30 | 0.118                     |
| 4615       | 09/25/2008 | 09:10:31 | 0.083                     |
| 4616       | 09/25/2008 | 09:10:32 | 0.091                     |
| 4617       | 09/25/2008 | 09:10:33 | 0.085                     |
| 4618       | 09/25/2008 | 09:10:34 | 0.090                     |
| 4619       | 09/25/2008 | 09:10:35 | 0.083                     |
| 4620       | 09/25/2008 | 09:10:36 | 0.094                     |
| 4621       | 09/25/2008 | 09:10:37 | 0.089                     |
| 4622       | 09/25/2008 | 09:10:38 | 0.084                     |
| 4623       | 09/25/2008 | 09:10:39 | 0.087                     |
| 4624       | 09/25/2008 | 09:10:40 | 0.098                     |
| 4625       | 09/25/2008 | 09:10:41 | 0.084                     |
| 4626       | 09/25/2008 | 09:10:42 | 0.095                     |
| 4627       | 09/25/2008 | 09:10:43 | 0.085                     |
| 4628       | 09/25/2008 | 09:10:44 | 0.094                     |
| 4629       | 09/25/2008 | 09:10:45 | 0.092                     |
| 4630       | 09/25/2008 | 09:10:46 | 0.117                     |
| 4631       | 09/25/2008 | 09:10:47 | 0.086                     |
| 4632       | 09/25/2008 | 09:10:48 | 0.095                     |
| 4633       | 09/25/2008 | 09:10:49 | 0.083                     |
| 4634       | 09/25/2008 | 09:10:50 | 0.086                     |
| 4635       | 09/25/2008 | 09:10:51 | 0.107                     |
| 4636       | 09/25/2008 | 09:10:52 | 0.110                     |
| 4637       | 09/25/2008 | 09:10:53 | 0.078                     |
| 4638       | 09/25/2008 | 09:10:54 | 0.081                     |
| 4639       | 09/25/2008 | 09:10:55 | 0.085                     |
| 4640       | 09/25/2008 | 09:10:56 | 0.081                     |
| 4641       | 09/25/2008 | 09:10:57 | 0.085                     |
| 4642       | 09/25/2008 | 09:10:58 | 0.086                     |
| 4643       | 09/25/2008 | 09:10:59 | 0.090                     |
| 4644       | 09/25/2008 | 09:11:00 | 0.087                     |
| 4645       | 09/25/2008 | 09:11:01 | 0.098                     |
| 4646       | 09/25/2008 | 09:11:02 | 0.096                     |
| 4647       | 09/25/2008 | 09:11:03 | 0.099                     |
| 4648       | 09/25/2008 | 09:11:04 | 0.082                     |
| 4649       | 09/25/2008 | 09:11:05 | 0.087                     |
| 4650       | 09/25/2008 | 09:11:06 | 0.080                     |
| 4651       | 09/25/2008 | 09:11:07 | 0.082                     |
| 4652       | 09/25/2008 | 09:11:08 | 0.092                     |
| 4653       | 09/25/2008 | 09:11:09 | 0.085                     |
| 4654       | 09/25/2008 | 09:11:10 | 0.079                     |
| 4655       | 09/25/2008 | 09:11:11 | 0.091                     |
| 4656       | 09/25/2008 | 09:11:12 | 0.079                     |
| 4657       | 09/25/2008 | 09:11:13 | 0.081                     |
| 4658       | 09/25/2008 | 09:11:14 | 0.081                     |
| 4659       | 09/25/2008 | 09:11:15 | 0.087                     |
| 4660       | 09/25/2008 | 09:11:16 | 0.080                     |
| 4661       | 09/25/2008 | 09:11:17 | 0.096                     |
| 4662       | 09/25/2008 | 09:11:18 | 0.079                     |
| 4663       | 09/25/2008 | 09:11:19 | 0.084                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 4664       | 09/25/2008 | 09:11:20 | 0.138                     |
| 4665       | 09/25/2008 | 09:11:21 | 0.157                     |
| 4666       | 09/25/2008 | 09:11:22 | 0.209                     |
| 4667       | 09/25/2008 | 09:11:23 | 0.130                     |
| 4668       | 09/25/2008 | 09:11:24 | 0.112                     |
| 4669       | 09/25/2008 | 09:11:25 | 0.082                     |
| 4670       | 09/25/2008 | 09:11:26 | 0.091                     |
| 4671       | 09/25/2008 | 09:11:27 | 0.099                     |
| 4672       | 09/25/2008 | 09:11:28 | 0.099                     |
| 4673       | 09/25/2008 | 09:11:29 | 0.097                     |
| 4674       | 09/25/2008 | 09:11:30 | 0.094                     |
| 4675       | 09/25/2008 | 09:11:31 | 0.113                     |
| 4676       | 09/25/2008 | 09:11:32 | 0.089                     |
| 4677       | 09/25/2008 | 09:11:33 | 0.086                     |
| 4678       | 09/25/2008 | 09:11:34 | 0.089                     |
| 4679       | 09/25/2008 | 09:11:35 | 0.094                     |
| 4680       | 09/25/2008 | 09:11:36 | 0.093                     |
| 4681       | 09/25/2008 | 09:11:37 | 0.089                     |
| 4682       | 09/25/2008 | 09:11:38 | 0.111                     |
| 4683       | 09/25/2008 | 09:11:39 | 0.089                     |
| 4684       | 09/25/2008 | 09:11:40 | 0.085                     |
| 4685       | 09/25/2008 | 09:11:41 | 0.086                     |
| 4686       | 09/25/2008 | 09:11:42 | 0.084                     |
| 4687       | 09/25/2008 | 09:11:43 | 0.087                     |
| 4688       | 09/25/2008 | 09:11:44 | 0.092                     |
| 4689       | 09/25/2008 | 09:11:45 | 0.084                     |
| 4690       | 09/25/2008 | 09:11:46 | 0.083                     |
| 4691       | 09/25/2008 | 09:11:47 | 0.081                     |
| 4692       | 09/25/2008 | 09:11:48 | 0.087                     |
| 4693       | 09/25/2008 | 09:11:49 | 0.091                     |
| 4694       | 09/25/2008 | 09:11:50 | 0.094                     |
| 4695       | 09/25/2008 | 09:11:51 | 0.086                     |
| 4696       | 09/25/2008 | 09:11:52 | 0.092                     |
| 4697       | 09/25/2008 | 09:11:53 | 0.118                     |
| 4698       | 09/25/2008 | 09:11:54 | 0.083                     |
| 4699       | 09/25/2008 | 09:11:55 | 0.083                     |
| 4700       | 09/25/2008 | 09:11:56 | 0.079                     |
| 4701       | 09/25/2008 | 09:11:57 | 0.095                     |
| 4702       | 09/25/2008 | 09:11:58 | 0.093                     |
| 4703       | 09/25/2008 | 09:11:59 | 0.076                     |
| 4704       | 09/25/2008 | 09:12:00 | 0.085                     |
| 4705       | 09/25/2008 | 09:12:01 | 0.100                     |
| 4706       | 09/25/2008 | 09:12:02 | 0.089                     |
| 4707       | 09/25/2008 | 09:12:03 | 0.078                     |
| 4708       | 09/25/2008 | 09:12:04 | 0.084                     |
| 4709       | 09/25/2008 | 09:12:05 | 0.095                     |
| 4710       | 09/25/2008 | 09:12:06 | 0.078                     |
| 4711       | 09/25/2008 | 09:12:07 | 0.084                     |
| 4712       | 09/25/2008 | 09:12:08 | 0.088                     |
| 4713       | 09/25/2008 | 09:12:09 | 0.105                     |
| 4714       | 09/25/2008 | 09:12:10 | 0.091                     |
| 4715       | 09/25/2008 | 09:12:11 | 0.093                     |
| 4716       | 09/25/2008 | 09:12:12 | 0.096                     |
| 4717       | 09/25/2008 | 09:12:13 | 0.091                     |
| 4718       | 09/25/2008 | 09:12:14 | 0.088                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 4719       | 09/25/2008 | 09:12:15 | 0.086                     |
| 4720       | 09/25/2008 | 09:12:16 | 0.092                     |
| 4721       | 09/25/2008 | 09:12:17 | 0.078                     |
| 4722       | 09/25/2008 | 09:12:18 | 0.144                     |
| 4723       | 09/25/2008 | 09:12:19 | 0.083                     |
| 4724       | 09/25/2008 | 09:12:20 | 0.082                     |
| 4725       | 09/25/2008 | 09:12:21 | 0.080                     |
| 4726       | 09/25/2008 | 09:12:22 | 0.107                     |
| 4727       | 09/25/2008 | 09:12:23 | 0.092                     |
| 4728       | 09/25/2008 | 09:12:24 | 0.104                     |
| 4729       | 09/25/2008 | 09:12:25 | 0.079                     |
| 4730       | 09/25/2008 | 09:12:26 | 0.114                     |
| 4731       | 09/25/2008 | 09:12:27 | 0.078                     |
| 4732       | 09/25/2008 | 09:12:28 | 0.079                     |
| 4733       | 09/25/2008 | 09:12:29 | 0.083                     |
| 4734       | 09/25/2008 | 09:12:30 | 0.103                     |
| 4735       | 09/25/2008 | 09:12:31 | 0.081                     |
| 4736       | 09/25/2008 | 09:12:32 | 0.083                     |
| 4737       | 09/25/2008 | 09:12:33 | 0.088                     |
| 4738       | 09/25/2008 | 09:12:34 | 0.084                     |
| 4739       | 09/25/2008 | 09:12:35 | 0.102                     |
| 4740       | 09/25/2008 | 09:12:36 | 0.088                     |
| 4741       | 09/25/2008 | 09:12:37 | 0.178                     |
| 4742       | 09/25/2008 | 09:12:38 | 0.091                     |
| 4743       | 09/25/2008 | 09:12:39 | 0.084                     |
| 4744       | 09/25/2008 | 09:12:40 | 0.080                     |
| 4745       | 09/25/2008 | 09:12:41 | 0.091                     |
| 4746       | 09/25/2008 | 09:12:42 | 0.086                     |
| 4747       | 09/25/2008 | 09:12:43 | 0.092                     |
| 4748       | 09/25/2008 | 09:12:44 | 0.077                     |
| 4749       | 09/25/2008 | 09:12:45 | 0.135                     |
| 4750       | 09/25/2008 | 09:12:46 | 0.081                     |
| 4751       | 09/25/2008 | 09:12:47 | 0.085                     |
| 4752       | 09/25/2008 | 09:12:48 | 0.080                     |
| 4753       | 09/25/2008 | 09:12:49 | 0.076                     |
| 4754       | 09/25/2008 | 09:12:50 | 0.081                     |
| 4755       | 09/25/2008 | 09:12:51 | 0.090                     |
| 4756       | 09/25/2008 | 09:12:52 | 0.089                     |
| 4757       | 09/25/2008 | 09:12:53 | 0.083                     |
| 4758       | 09/25/2008 | 09:12:54 | 0.110                     |
| 4759       | 09/25/2008 | 09:12:55 | 0.165                     |
| 4760       | 09/25/2008 | 09:12:56 | 0.080                     |
| 4761       | 09/25/2008 | 09:12:57 | 0.081                     |
| 4762       | 09/25/2008 | 09:12:58 | 0.080                     |
| 4763       | 09/25/2008 | 09:12:59 | 0.082                     |
| 4764       | 09/25/2008 | 09:13:00 | 0.091                     |
| 4765       | 09/25/2008 | 09:13:01 | 0.077                     |
| 4766       | 09/25/2008 | 09:13:02 | 0.086                     |
| 4767       | 09/25/2008 | 09:13:03 | 0.078                     |
| 4768       | 09/25/2008 | 09:13:04 | 0.090                     |
| 4769       | 09/25/2008 | 09:13:05 | 0.087                     |
| 4770       | 09/25/2008 | 09:13:06 | 0.083                     |
| 4771       | 09/25/2008 | 09:13:07 | 0.093                     |
| 4772       | 09/25/2008 | 09:13:08 | 0.088                     |
| 4773       | 09/25/2008 | 09:13:09 | 0.093                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 4774       | 09/25/2008 | 09:13:10 | 0.080                     |
| 4775       | 09/25/2008 | 09:13:11 | 0.115                     |
| 4776       | 09/25/2008 | 09:13:12 | 0.079                     |
| 4777       | 09/25/2008 | 09:13:13 | 0.082                     |
| 4778       | 09/25/2008 | 09:13:14 | 0.086                     |
| 4779       | 09/25/2008 | 09:13:15 | 0.086                     |
| 4780       | 09/25/2008 | 09:13:16 | 0.093                     |
| 4781       | 09/25/2008 | 09:13:17 | 0.085                     |
| 4782       | 09/25/2008 | 09:13:18 | 0.090                     |
| 4783       | 09/25/2008 | 09:13:19 | 0.075                     |
| 4784       | 09/25/2008 | 09:13:20 | 0.087                     |
| 4785       | 09/25/2008 | 09:13:21 | 0.080                     |
| 4786       | 09/25/2008 | 09:13:22 | 0.082                     |
| 4787       | 09/25/2008 | 09:13:23 | 0.153                     |
| 4788       | 09/25/2008 | 09:13:24 | 0.092                     |
| 4789       | 09/25/2008 | 09:13:25 | 0.098                     |
| 4790       | 09/25/2008 | 09:13:26 | 0.087                     |
| 4791       | 09/25/2008 | 09:13:27 | 0.094                     |
| 4792       | 09/25/2008 | 09:13:28 | 0.106                     |
| 4793       | 09/25/2008 | 09:13:29 | 0.084                     |
| 4794       | 09/25/2008 | 09:13:30 | 0.087                     |
| 4795       | 09/25/2008 | 09:13:31 | 0.097                     |
| 4796       | 09/25/2008 | 09:13:32 | 0.096                     |
| 4797       | 09/25/2008 | 09:13:33 | 0.082                     |
| 4798       | 09/25/2008 | 09:13:34 | 0.091                     |
| 4799       | 09/25/2008 | 09:13:35 | 0.090                     |
| 4800       | 09/25/2008 | 09:13:36 | 0.109                     |
| 4801       | 09/25/2008 | 09:13:37 | 0.092                     |
| 4802       | 09/25/2008 | 09:13:38 | 0.086                     |
| 4803       | 09/25/2008 | 09:13:39 | 0.089                     |
| 4804       | 09/25/2008 | 09:13:40 | 0.079                     |
| 4805       | 09/25/2008 | 09:13:41 | 0.086                     |
| 4806       | 09/25/2008 | 09:13:42 | 0.087                     |
| 4807       | 09/25/2008 | 09:13:43 | 0.088                     |
| 4808       | 09/25/2008 | 09:13:44 | 0.095                     |
| 4809       | 09/25/2008 | 09:13:45 | 0.080                     |
| 4810       | 09/25/2008 | 09:13:46 | 0.088                     |
| 4811       | 09/25/2008 | 09:13:47 | 0.095                     |
| 4812       | 09/25/2008 | 09:13:48 | 0.084                     |
| 4813       | 09/25/2008 | 09:13:49 | 0.087                     |
| 4814       | 09/25/2008 | 09:13:50 | 0.083                     |
| 4815       | 09/25/2008 | 09:13:51 | 0.083                     |
| 4816       | 09/25/2008 | 09:13:52 | 0.106                     |
| 4817       | 09/25/2008 | 09:13:53 | 0.080                     |
| 4818       | 09/25/2008 | 09:13:54 | 0.114                     |
| 4819       | 09/25/2008 | 09:13:55 | 0.081                     |
| 4820       | 09/25/2008 | 09:13:56 | 0.088                     |
| 4821       | 09/25/2008 | 09:13:57 | 0.078                     |
| 4822       | 09/25/2008 | 09:13:58 | 0.092                     |
| 4823       | 09/25/2008 | 09:13:59 | 0.089                     |
| 4824       | 09/25/2008 | 09:14:00 | 0.085                     |
| 4825       | 09/25/2008 | 09:14:01 | 0.081                     |
| 4826       | 09/25/2008 | 09:14:02 | 0.086                     |
| 4827       | 09/25/2008 | 09:14:03 | 0.101                     |
| 4828       | 09/25/2008 | 09:14:04 | 0.083                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 4829       | 09/25/2008 | 09:14:05 | 0.094                     |
| 4830       | 09/25/2008 | 09:14:06 | 0.098                     |
| 4831       | 09/25/2008 | 09:14:07 | 0.085                     |
| 4832       | 09/25/2008 | 09:14:08 | 0.097                     |
| 4833       | 09/25/2008 | 09:14:09 | 0.082                     |
| 4834       | 09/25/2008 | 09:14:10 | 0.085                     |
| 4835       | 09/25/2008 | 09:14:11 | 0.078                     |
| 4836       | 09/25/2008 | 09:14:12 | 0.088                     |
| 4837       | 09/25/2008 | 09:14:13 | 0.082                     |
| 4838       | 09/25/2008 | 09:14:14 | 0.111                     |
| 4839       | 09/25/2008 | 09:14:15 | 0.084                     |
| 4840       | 09/25/2008 | 09:14:16 | 0.078                     |
| 4841       | 09/25/2008 | 09:14:17 | 0.082                     |
| 4842       | 09/25/2008 | 09:14:18 | 0.088                     |
| 4843       | 09/25/2008 | 09:14:19 | 0.086                     |
| 4844       | 09/25/2008 | 09:14:20 | 0.079                     |
| 4845       | 09/25/2008 | 09:14:21 | 0.104                     |
| 4846       | 09/25/2008 | 09:14:22 | 0.085                     |
| 4847       | 09/25/2008 | 09:14:23 | 0.083                     |
| 4848       | 09/25/2008 | 09:14:24 | 0.080                     |
| 4849       | 09/25/2008 | 09:14:25 | 0.106                     |
| 4850       | 09/25/2008 | 09:14:26 | 0.113                     |
| 4851       | 09/25/2008 | 09:14:27 | 0.091                     |
| 4852       | 09/25/2008 | 09:14:28 | 0.083                     |
| 4853       | 09/25/2008 | 09:14:29 | 0.085                     |
| 4854       | 09/25/2008 | 09:14:30 | 0.082                     |
| 4855       | 09/25/2008 | 09:14:31 | 0.085                     |
| 4856       | 09/25/2008 | 09:14:32 | 0.081                     |
| 4857       | 09/25/2008 | 09:14:33 | 0.106                     |
| 4858       | 09/25/2008 | 09:14:34 | 0.112                     |
| 4859       | 09/25/2008 | 09:14:35 | 0.086                     |
| 4860       | 09/25/2008 | 09:14:36 | 0.076                     |
| 4861       | 09/25/2008 | 09:14:37 | 0.080                     |
| 4862       | 09/25/2008 | 09:14:38 | 0.083                     |
| 4863       | 09/25/2008 | 09:14:39 | 0.080                     |
| 4864       | 09/25/2008 | 09:14:40 | 0.082                     |
| 4865       | 09/25/2008 | 09:14:41 | 0.088                     |
| 4866       | 09/25/2008 | 09:14:42 | 0.082                     |
| 4867       | 09/25/2008 | 09:14:43 | 0.076                     |
| 4868       | 09/25/2008 | 09:14:44 | 0.081                     |
| 4869       | 09/25/2008 | 09:14:45 | 0.099                     |
| 4870       | 09/25/2008 | 09:14:46 | 0.077                     |
| 4871       | 09/25/2008 | 09:14:47 | 0.125                     |
| 4872       | 09/25/2008 | 09:14:48 | 0.086                     |
| 4873       | 09/25/2008 | 09:14:49 | 0.109                     |
| 4874       | 09/25/2008 | 09:14:50 | 0.088                     |
| 4875       | 09/25/2008 | 09:14:51 | 0.109                     |
| 4876       | 09/25/2008 | 09:14:52 | 0.106                     |
| 4877       | 09/25/2008 | 09:14:53 | 0.077                     |
| 4878       | 09/25/2008 | 09:14:54 | 0.096                     |
| 4879       | 09/25/2008 | 09:14:55 | 0.088                     |
| 4880       | 09/25/2008 | 09:14:56 | 0.089                     |
| 4881       | 09/25/2008 | 09:14:57 | 0.083                     |
| 4882       | 09/25/2008 | 09:14:58 | 0.135                     |
| 4883       | 09/25/2008 | 09:14:59 | 0.080                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 4884       | 09/25/2008 | 09:15:00 | 0.084                     |
| 4885       | 09/25/2008 | 09:15:01 | 0.081                     |
| 4886       | 09/25/2008 | 09:15:02 | 0.078                     |
| 4887       | 09/25/2008 | 09:15:03 | 0.080                     |
| 4888       | 09/25/2008 | 09:15:04 | 0.083                     |
| 4889       | 09/25/2008 | 09:15:05 | 0.082                     |
| 4890       | 09/25/2008 | 09:15:06 | 0.089                     |
| 4891       | 09/25/2008 | 09:15:07 | 0.170                     |
| 4892       | 09/25/2008 | 09:15:08 | 0.086                     |
| 4893       | 09/25/2008 | 09:15:09 | 0.099                     |
| 4894       | 09/25/2008 | 09:15:10 | 0.092                     |
| 4895       | 09/25/2008 | 09:15:11 | 0.109                     |
| 4896       | 09/25/2008 | 09:15:12 | 0.080                     |
| 4897       | 09/25/2008 | 09:15:13 | 0.078                     |
| 4898       | 09/25/2008 | 09:15:14 | 0.085                     |
| 4899       | 09/25/2008 | 09:15:15 | 0.129                     |
| 4900       | 09/25/2008 | 09:15:16 | 0.077                     |
| 4901       | 09/25/2008 | 09:15:17 | 0.083                     |
| 4902       | 09/25/2008 | 09:15:18 | 0.079                     |
| 4903       | 09/25/2008 | 09:15:19 | 0.105                     |
| 4904       | 09/25/2008 | 09:15:20 | 0.096                     |
| 4905       | 09/25/2008 | 09:15:21 | 0.087                     |
| 4906       | 09/25/2008 | 09:15:22 | 0.082                     |
| 4907       | 09/25/2008 | 09:15:23 | 0.087                     |
| 4908       | 09/25/2008 | 09:15:24 | 0.092                     |
| 4909       | 09/25/2008 | 09:15:25 | 0.079                     |
| 4910       | 09/25/2008 | 09:15:26 | 0.086                     |
| 4911       | 09/25/2008 | 09:15:27 | 0.083                     |
| 4912       | 09/25/2008 | 09:15:28 | 0.082                     |
| 4913       | 09/25/2008 | 09:15:29 | 0.082                     |
| 4914       | 09/25/2008 | 09:15:30 | 0.088                     |
| 4915       | 09/25/2008 | 09:15:31 | 0.088                     |
| 4916       | 09/25/2008 | 09:15:32 | 0.078                     |
| 4917       | 09/25/2008 | 09:15:33 | 0.091                     |
| 4918       | 09/25/2008 | 09:15:34 | 0.094                     |
| 4919       | 09/25/2008 | 09:15:35 | 0.089                     |
| 4920       | 09/25/2008 | 09:15:36 | 0.099                     |
| 4921       | 09/25/2008 | 09:15:37 | 0.129                     |
| 4922       | 09/25/2008 | 09:15:38 | 0.078                     |
| 4923       | 09/25/2008 | 09:15:39 | 0.085                     |
| 4924       | 09/25/2008 | 09:15:40 | 0.091                     |
| 4925       | 09/25/2008 | 09:15:41 | 0.082                     |
| 4926       | 09/25/2008 | 09:15:42 | 0.081                     |
| 4927       | 09/25/2008 | 09:15:43 | 0.092                     |
| 4928       | 09/25/2008 | 09:15:44 | 0.085                     |
| 4929       | 09/25/2008 | 09:15:45 | 0.087                     |
| 4930       | 09/25/2008 | 09:15:46 | 0.095                     |
| 4931       | 09/25/2008 | 09:15:47 | 0.103                     |
| 4932       | 09/25/2008 | 09:15:48 | 0.082                     |
| 4933       | 09/25/2008 | 09:15:49 | 0.084                     |
| 4934       | 09/25/2008 | 09:15:50 | 0.080                     |
| 4935       | 09/25/2008 | 09:15:51 | 0.079                     |
| 4936       | 09/25/2008 | 09:15:52 | 0.083                     |
| 4937       | 09/25/2008 | 09:15:53 | 0.085                     |
| 4938       | 09/25/2008 | 09:15:54 | 0.079                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 4939       | 09/25/2008 | 09:15:55 | 0.080                     |
| 4940       | 09/25/2008 | 09:15:56 | 0.111                     |
| 4941       | 09/25/2008 | 09:15:57 | 0.091                     |
| 4942       | 09/25/2008 | 09:15:58 | 0.080                     |
| 4943       | 09/25/2008 | 09:15:59 | 0.081                     |
| 4944       | 09/25/2008 | 09:16:00 | 0.078                     |
| 4945       | 09/25/2008 | 09:16:01 | 0.086                     |
| 4946       | 09/25/2008 | 09:16:02 | 0.082                     |
| 4947       | 09/25/2008 | 09:16:03 | 0.082                     |
| 4948       | 09/25/2008 | 09:16:04 | 0.077                     |
| 4949       | 09/25/2008 | 09:16:05 | 0.080                     |
| 4950       | 09/25/2008 | 09:16:06 | 0.082                     |
| 4951       | 09/25/2008 | 09:16:07 | 0.105                     |
| 4952       | 09/25/2008 | 09:16:08 | 0.085                     |
| 4953       | 09/25/2008 | 09:16:09 | 0.084                     |
| 4954       | 09/25/2008 | 09:16:10 | 0.079                     |
| 4955       | 09/25/2008 | 09:16:11 | 0.080                     |
| 4956       | 09/25/2008 | 09:16:12 | 0.078                     |
| 4957       | 09/25/2008 | 09:16:13 | 0.083                     |
| 4958       | 09/25/2008 | 09:16:14 | 0.090                     |
| 4959       | 09/25/2008 | 09:16:15 | 0.083                     |
| 4960       | 09/25/2008 | 09:16:16 | 0.099                     |
| 4961       | 09/25/2008 | 09:16:17 | 0.104                     |
| 4962       | 09/25/2008 | 09:16:18 | 0.090                     |
| 4963       | 09/25/2008 | 09:16:19 | 0.117                     |
| 4964       | 09/25/2008 | 09:16:20 | 0.086                     |
| 4965       | 09/25/2008 | 09:16:21 | 0.085                     |
| 4966       | 09/25/2008 | 09:16:22 | 0.099                     |
| 4967       | 09/25/2008 | 09:16:23 | 0.097                     |
| 4968       | 09/25/2008 | 09:16:24 | 0.089                     |
| 4969       | 09/25/2008 | 09:16:25 | 0.089                     |
| 4970       | 09/25/2008 | 09:16:26 | 0.084                     |
| 4971       | 09/25/2008 | 09:16:27 | 0.081                     |
| 4972       | 09/25/2008 | 09:16:28 | 0.082                     |
| 4973       | 09/25/2008 | 09:16:29 | 0.100                     |
| 4974       | 09/25/2008 | 09:16:30 | 0.078                     |
| 4975       | 09/25/2008 | 09:16:31 | 0.081                     |
| 4976       | 09/25/2008 | 09:16:32 | 0.085                     |
| 4977       | 09/25/2008 | 09:16:33 | 0.150                     |
| 4978       | 09/25/2008 | 09:16:34 | 0.091                     |
| 4979       | 09/25/2008 | 09:16:35 | 0.087                     |
| 4980       | 09/25/2008 | 09:16:36 | 0.093                     |
| 4981       | 09/25/2008 | 09:16:37 | 0.144                     |
| 4982       | 09/25/2008 | 09:16:38 | 0.100                     |
| 4983       | 09/25/2008 | 09:16:39 | 0.085                     |
| 4984       | 09/25/2008 | 09:16:40 | 0.093                     |
| 4985       | 09/25/2008 | 09:16:41 | 0.088                     |
| 4986       | 09/25/2008 | 09:16:42 | 0.087                     |
| 4987       | 09/25/2008 | 09:16:43 | 0.083                     |
| 4988       | 09/25/2008 | 09:16:44 | 0.079                     |
| 4989       | 09/25/2008 | 09:16:45 | 0.086                     |
| 4990       | 09/25/2008 | 09:16:46 | 0.077                     |
| 4991       | 09/25/2008 | 09:16:47 | 0.089                     |
| 4992       | 09/25/2008 | 09:16:48 | 0.083                     |
| 4993       | 09/25/2008 | 09:16:49 | 0.096                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 4994       | 09/25/2008 | 09:16:50 | 0.079                     |
| 4995       | 09/25/2008 | 09:16:51 | 0.110                     |
| 4996       | 09/25/2008 | 09:16:52 | 0.098                     |
| 4997       | 09/25/2008 | 09:16:53 | 0.100                     |
| 4998       | 09/25/2008 | 09:16:54 | 0.083                     |
| 4999       | 09/25/2008 | 09:16:55 | 0.081                     |
| 5000       | 09/25/2008 | 09:16:56 | 0.089                     |
| 5001       | 09/25/2008 | 09:16:57 | 0.138                     |
| 5002       | 09/25/2008 | 09:16:58 | 0.084                     |
| 5003       | 09/25/2008 | 09:16:59 | 0.080                     |
| 5004       | 09/25/2008 | 09:17:00 | 0.109                     |
| 5005       | 09/25/2008 | 09:17:01 | 0.084                     |
| 5006       | 09/25/2008 | 09:17:02 | 0.088                     |
| 5007       | 09/25/2008 | 09:17:03 | 0.084                     |
| 5008       | 09/25/2008 | 09:17:04 | 0.096                     |
| 5009       | 09/25/2008 | 09:17:05 | 0.083                     |
| 5010       | 09/25/2008 | 09:17:06 | 0.086                     |
| 5011       | 09/25/2008 | 09:17:07 | 0.082                     |
| 5012       | 09/25/2008 | 09:17:08 | 0.086                     |
| 5013       | 09/25/2008 | 09:17:09 | 0.096                     |
| 5014       | 09/25/2008 | 09:17:10 | 0.088                     |
| 5015       | 09/25/2008 | 09:17:11 | 0.084                     |
| 5016       | 09/25/2008 | 09:17:12 | 0.100                     |
| 5017       | 09/25/2008 | 09:17:13 | 0.098                     |
| 5018       | 09/25/2008 | 09:17:14 | 0.087                     |
| 5019       | 09/25/2008 | 09:17:15 | 0.090                     |
| 5020       | 09/25/2008 | 09:17:16 | 0.082                     |
| 5021       | 09/25/2008 | 09:17:17 | 0.082                     |
| 5022       | 09/25/2008 | 09:17:18 | 0.089                     |
| 5023       | 09/25/2008 | 09:17:19 | 0.085                     |
| 5024       | 09/25/2008 | 09:17:20 | 0.082                     |
| 5025       | 09/25/2008 | 09:17:21 | 0.090                     |
| 5026       | 09/25/2008 | 09:17:22 | 0.084                     |
| 5027       | 09/25/2008 | 09:17:23 | 0.089                     |
| 5028       | 09/25/2008 | 09:17:24 | 0.089                     |
| 5029       | 09/25/2008 | 09:17:25 | 0.081                     |
| 5030       | 09/25/2008 | 09:17:26 | 0.095                     |
| 5031       | 09/25/2008 | 09:17:27 | 0.082                     |
| 5032       | 09/25/2008 | 09:17:28 | 0.079                     |
| 5033       | 09/25/2008 | 09:17:29 | 0.081                     |
| 5034       | 09/25/2008 | 09:17:30 | 0.081                     |
| 5035       | 09/25/2008 | 09:17:31 | 0.081                     |
| 5036       | 09/25/2008 | 09:17:32 | 0.108                     |
| 5037       | 09/25/2008 | 09:17:33 | 0.081                     |
| 5038       | 09/25/2008 | 09:17:34 | 0.080                     |
| 5039       | 09/25/2008 | 09:17:35 | 0.082                     |
| 5040       | 09/25/2008 | 09:17:36 | 0.089                     |
| 5041       | 09/25/2008 | 09:17:37 | 0.088                     |
| 5042       | 09/25/2008 | 09:17:38 | 0.079                     |
| 5043       | 09/25/2008 | 09:17:39 | 0.097                     |
| 5044       | 09/25/2008 | 09:17:40 | 0.090                     |
| 5045       | 09/25/2008 | 09:17:41 | 0.085                     |
| 5046       | 09/25/2008 | 09:17:42 | 0.093                     |
| 5047       | 09/25/2008 | 09:17:43 | 0.094                     |
| 5048       | 09/25/2008 | 09:17:44 | 0.084                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 5049       | 09/25/2008 | 09:17:45 | 0.092                     |
| 5050       | 09/25/2008 | 09:17:46 | 0.076                     |
| 5051       | 09/25/2008 | 09:17:47 | 0.082                     |
| 5052       | 09/25/2008 | 09:17:48 | 0.083                     |
| 5053       | 09/25/2008 | 09:17:49 | 0.084                     |
| 5054       | 09/25/2008 | 09:17:50 | 0.092                     |
| 5055       | 09/25/2008 | 09:17:51 | 0.093                     |
| 5056       | 09/25/2008 | 09:17:52 | 0.084                     |
| 5057       | 09/25/2008 | 09:17:53 | 0.092                     |
| 5058       | 09/25/2008 | 09:17:54 | 0.092                     |
| 5059       | 09/25/2008 | 09:17:55 | 0.092                     |
| 5060       | 09/25/2008 | 09:17:56 | 0.089                     |
| 5061       | 09/25/2008 | 09:17:57 | 0.090                     |
| 5062       | 09/25/2008 | 09:17:58 | 0.119                     |
| 5063       | 09/25/2008 | 09:17:59 | 0.077                     |
| 5064       | 09/25/2008 | 09:18:00 | 0.081                     |
| 5065       | 09/25/2008 | 09:18:01 | 0.090                     |
| 5066       | 09/25/2008 | 09:18:02 | 0.095                     |
| 5067       | 09/25/2008 | 09:18:03 | 0.092                     |
| 5068       | 09/25/2008 | 09:18:04 | 0.083                     |
| 5069       | 09/25/2008 | 09:18:05 | 0.110                     |
| 5070       | 09/25/2008 | 09:18:06 | 0.083                     |
| 5071       | 09/25/2008 | 09:18:07 | 0.087                     |
| 5072       | 09/25/2008 | 09:18:08 | 0.085                     |
| 5073       | 09/25/2008 | 09:18:09 | 0.092                     |
| 5074       | 09/25/2008 | 09:18:10 | 0.093                     |
| 5075       | 09/25/2008 | 09:18:11 | 0.084                     |
| 5076       | 09/25/2008 | 09:18:12 | 0.079                     |
| 5077       | 09/25/2008 | 09:18:13 | 0.090                     |
| 5078       | 09/25/2008 | 09:18:14 | 0.091                     |
| 5079       | 09/25/2008 | 09:18:15 | 0.081                     |
| 5080       | 09/25/2008 | 09:18:16 | 0.081                     |
| 5081       | 09/25/2008 | 09:18:17 | 0.089                     |
| 5082       | 09/25/2008 | 09:18:18 | 0.080                     |
| 5083       | 09/25/2008 | 09:18:19 | 0.088                     |
| 5084       | 09/25/2008 | 09:18:20 | 0.088                     |
| 5085       | 09/25/2008 | 09:18:21 | 0.084                     |
| 5086       | 09/25/2008 | 09:18:22 | 0.086                     |
| 5087       | 09/25/2008 | 09:18:23 | 0.078                     |
| 5088       | 09/25/2008 | 09:18:24 | 0.081                     |
| 5089       | 09/25/2008 | 09:18:25 | 0.074                     |
| 5090       | 09/25/2008 | 09:18:26 | 0.086                     |
| 5091       | 09/25/2008 | 09:18:27 | 0.086                     |
| 5092       | 09/25/2008 | 09:18:28 | 0.090                     |
| 5093       | 09/25/2008 | 09:18:29 | 0.088                     |
| 5094       | 09/25/2008 | 09:18:30 | 0.083                     |
| 5095       | 09/25/2008 | 09:18:31 | 0.089                     |
| 5096       | 09/25/2008 | 09:18:32 | 0.080                     |
| 5097       | 09/25/2008 | 09:18:33 | 0.108                     |
| 5098       | 09/25/2008 | 09:18:34 | 0.077                     |
| 5099       | 09/25/2008 | 09:18:35 | 0.079                     |
| 5100       | 09/25/2008 | 09:18:36 | 0.102                     |
| 5101       | 09/25/2008 | 09:18:37 | 0.088                     |
| 5102       | 09/25/2008 | 09:18:38 | 0.081                     |
| 5103       | 09/25/2008 | 09:18:39 | 0.086                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 5104       | 09/25/2008 | 09:18:40 | 0.076                     |
| 5105       | 09/25/2008 | 09:18:41 | 0.091                     |
| 5106       | 09/25/2008 | 09:18:42 | 0.083                     |
| 5107       | 09/25/2008 | 09:18:43 | 0.089                     |
| 5108       | 09/25/2008 | 09:18:44 | 0.085                     |
| 5109       | 09/25/2008 | 09:18:45 | 0.083                     |
| 5110       | 09/25/2008 | 09:18:46 | 0.091                     |
| 5111       | 09/25/2008 | 09:18:47 | 0.079                     |
| 5112       | 09/25/2008 | 09:18:48 | 0.089                     |
| 5113       | 09/25/2008 | 09:18:49 | 0.076                     |
| 5114       | 09/25/2008 | 09:18:50 | 0.090                     |
| 5115       | 09/25/2008 | 09:18:51 | 0.092                     |
| 5116       | 09/25/2008 | 09:18:52 | 0.079                     |
| 5117       | 09/25/2008 | 09:18:53 | 0.080                     |
| 5118       | 09/25/2008 | 09:18:54 | 0.079                     |
| 5119       | 09/25/2008 | 09:18:55 | 0.081                     |
| 5120       | 09/25/2008 | 09:18:56 | 0.122                     |
| 5121       | 09/25/2008 | 09:18:57 | 0.077                     |
| 5122       | 09/25/2008 | 09:18:58 | 0.110                     |
| 5123       | 09/25/2008 | 09:18:59 | 0.090                     |
| 5124       | 09/25/2008 | 09:19:00 | 0.092                     |
| 5125       | 09/25/2008 | 09:19:01 | 0.080                     |
| 5126       | 09/25/2008 | 09:19:02 | 0.086                     |
| 5127       | 09/25/2008 | 09:19:03 | 0.082                     |
| 5128       | 09/25/2008 | 09:19:04 | 0.084                     |
| 5129       | 09/25/2008 | 09:19:05 | 0.086                     |
| 5130       | 09/25/2008 | 09:19:06 | 0.083                     |
| 5131       | 09/25/2008 | 09:19:07 | 0.078                     |
| 5132       | 09/25/2008 | 09:19:08 | 0.082                     |
| 5133       | 09/25/2008 | 09:19:09 | 0.074                     |
| 5134       | 09/25/2008 | 09:19:10 | 0.098                     |
| 5135       | 09/25/2008 | 09:19:11 | 0.084                     |
| 5136       | 09/25/2008 | 09:19:12 | 0.080                     |
| 5137       | 09/25/2008 | 09:19:13 | 0.102                     |
| 5138       | 09/25/2008 | 09:19:14 | 0.103                     |
| 5139       | 09/25/2008 | 09:19:15 | 0.096                     |
| 5140       | 09/25/2008 | 09:19:16 | 0.080                     |
| 5141       | 09/25/2008 | 09:19:17 | 0.084                     |
| 5142       | 09/25/2008 | 09:19:18 | 0.091                     |
| 5143       | 09/25/2008 | 09:19:19 | 0.082                     |
| 5144       | 09/25/2008 | 09:19:20 | 0.106                     |
| 5145       | 09/25/2008 | 09:19:21 | 0.077                     |
| 5146       | 09/25/2008 | 09:19:22 | 0.081                     |
| 5147       | 09/25/2008 | 09:19:23 | 0.082                     |
| 5148       | 09/25/2008 | 09:19:24 | 0.081                     |
| 5149       | 09/25/2008 | 09:19:25 | 0.078                     |
| 5150       | 09/25/2008 | 09:19:26 | 0.082                     |
| 5151       | 09/25/2008 | 09:19:27 | 0.078                     |
| 5152       | 09/25/2008 | 09:19:28 | 0.079                     |
| 5153       | 09/25/2008 | 09:19:29 | 0.094                     |
| 5154       | 09/25/2008 | 09:19:30 | 0.087                     |
| 5155       | 09/25/2008 | 09:19:31 | 0.085                     |
| 5156       | 09/25/2008 | 09:19:32 | 0.092                     |
| 5157       | 09/25/2008 | 09:19:33 | 0.079                     |
| 5158       | 09/25/2008 | 09:19:34 | 0.085                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 5159       | 09/25/2008 | 09:19:35 | 0.082                     |
| 5160       | 09/25/2008 | 09:19:36 | 0.087                     |
| 5161       | 09/25/2008 | 09:19:37 | 0.081                     |
| 5162       | 09/25/2008 | 09:19:38 | 0.091                     |
| 5163       | 09/25/2008 | 09:19:39 | 0.081                     |
| 5164       | 09/25/2008 | 09:19:40 | 0.076                     |
| 5165       | 09/25/2008 | 09:19:41 | 0.078                     |
| 5166       | 09/25/2008 | 09:19:42 | 0.076                     |
| 5167       | 09/25/2008 | 09:19:43 | 0.085                     |
| 5168       | 09/25/2008 | 09:19:44 | 0.095                     |
| 5169       | 09/25/2008 | 09:19:45 | 0.084                     |
| 5170       | 09/25/2008 | 09:19:46 | 0.094                     |
| 5171       | 09/25/2008 | 09:19:47 | 0.080                     |
| 5172       | 09/25/2008 | 09:19:48 | 0.083                     |
| 5173       | 09/25/2008 | 09:19:49 | 0.075                     |
| 5174       | 09/25/2008 | 09:19:50 | 0.077                     |
| 5175       | 09/25/2008 | 09:19:51 | 0.080                     |
| 5176       | 09/25/2008 | 09:19:52 | 0.096                     |
| 5177       | 09/25/2008 | 09:19:53 | 0.088                     |
| 5178       | 09/25/2008 | 09:19:54 | 0.099                     |
| 5179       | 09/25/2008 | 09:19:55 | 0.082                     |
| 5180       | 09/25/2008 | 09:19:56 | 0.093                     |
| 5181       | 09/25/2008 | 09:19:57 | 0.090                     |
| 5182       | 09/25/2008 | 09:19:58 | 0.091                     |
| 5183       | 09/25/2008 | 09:19:59 | 0.081                     |
| 5184       | 09/25/2008 | 09:20:00 | 0.085                     |
| 5185       | 09/25/2008 | 09:20:01 | 0.084                     |
| 5186       | 09/25/2008 | 09:20:02 | 0.109                     |
| 5187       | 09/25/2008 | 09:20:03 | 0.081                     |
| 5188       | 09/25/2008 | 09:20:04 | 0.081                     |
| 5189       | 09/25/2008 | 09:20:05 | 0.076                     |
| 5190       | 09/25/2008 | 09:20:06 | 0.086                     |
| 5191       | 09/25/2008 | 09:20:07 | 0.116                     |
| 5192       | 09/25/2008 | 09:20:08 | 0.088                     |
| 5193       | 09/25/2008 | 09:20:09 | 0.087                     |
| 5194       | 09/25/2008 | 09:20:10 | 0.088                     |
| 5195       | 09/25/2008 | 09:20:11 | 0.079                     |
| 5196       | 09/25/2008 | 09:20:12 | 0.076                     |
| 5197       | 09/25/2008 | 09:20:13 | 0.085                     |
| 5198       | 09/25/2008 | 09:20:14 | 0.093                     |
| 5199       | 09/25/2008 | 09:20:15 | 0.085                     |
| 5200       | 09/25/2008 | 09:20:16 | 0.076                     |
| 5201       | 09/25/2008 | 09:20:17 | 0.082                     |
| 5202       | 09/25/2008 | 09:20:18 | 0.075                     |
| 5203       | 09/25/2008 | 09:20:19 | 0.088                     |
| 5204       | 09/25/2008 | 09:20:20 | 0.083                     |
| 5205       | 09/25/2008 | 09:20:21 | 0.083                     |
| 5206       | 09/25/2008 | 09:20:22 | 0.126                     |
| 5207       | 09/25/2008 | 09:20:23 | 0.091                     |
| 5208       | 09/25/2008 | 09:20:24 | 0.078                     |
| 5209       | 09/25/2008 | 09:20:25 | 0.134                     |
| 5210       | 09/25/2008 | 09:20:26 | 0.080                     |
| 5211       | 09/25/2008 | 09:20:27 | 0.117                     |
| 5212       | 09/25/2008 | 09:20:28 | 0.077                     |
| 5213       | 09/25/2008 | 09:20:29 | 0.081                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 5214       | 09/25/2008 | 09:20:30 | 0.084                     |
| 5215       | 09/25/2008 | 09:20:31 | 0.104                     |
| 5216       | 09/25/2008 | 09:20:32 | 0.080                     |
| 5217       | 09/25/2008 | 09:20:33 | 0.080                     |
| 5218       | 09/25/2008 | 09:20:34 | 0.097                     |
| 5219       | 09/25/2008 | 09:20:35 | 0.081                     |
| 5220       | 09/25/2008 | 09:20:36 | 0.136                     |
| 5221       | 09/25/2008 | 09:20:37 | 0.082                     |
| 5222       | 09/25/2008 | 09:20:38 | 0.088                     |
| 5223       | 09/25/2008 | 09:20:39 | 0.080                     |
| 5224       | 09/25/2008 | 09:20:40 | 0.080                     |
| 5225       | 09/25/2008 | 09:20:41 | 0.081                     |
| 5226       | 09/25/2008 | 09:20:42 | 0.079                     |
| 5227       | 09/25/2008 | 09:20:43 | 0.098                     |
| 5228       | 09/25/2008 | 09:20:44 | 0.086                     |
| 5229       | 09/25/2008 | 09:20:45 | 0.085                     |
| 5230       | 09/25/2008 | 09:20:46 | 0.079                     |
| 5231       | 09/25/2008 | 09:20:47 | 0.076                     |
| 5232       | 09/25/2008 | 09:20:48 | 0.082                     |
| 5233       | 09/25/2008 | 09:20:49 | 0.086                     |
| 5234       | 09/25/2008 | 09:20:50 | 0.078                     |
| 5235       | 09/25/2008 | 09:20:51 | 0.079                     |
| 5236       | 09/25/2008 | 09:20:52 | 0.081                     |
| 5237       | 09/25/2008 | 09:20:53 | 0.091                     |
| 5238       | 09/25/2008 | 09:20:54 | 0.081                     |
| 5239       | 09/25/2008 | 09:20:55 | 0.113                     |
| 5240       | 09/25/2008 | 09:20:56 | 0.076                     |
| 5241       | 09/25/2008 | 09:20:57 | 0.085                     |
| 5242       | 09/25/2008 | 09:20:58 | 0.091                     |
| 5243       | 09/25/2008 | 09:20:59 | 0.087                     |
| 5244       | 09/25/2008 | 09:21:00 | 0.088                     |
| 5245       | 09/25/2008 | 09:21:01 | 0.096                     |
| 5246       | 09/25/2008 | 09:21:02 | 0.095                     |
| 5247       | 09/25/2008 | 09:21:03 | 0.096                     |
| 5248       | 09/25/2008 | 09:21:04 | 0.084                     |
| 5249       | 09/25/2008 | 09:21:05 | 0.084                     |
| 5250       | 09/25/2008 | 09:21:06 | 0.077                     |
| 5251       | 09/25/2008 | 09:21:07 | 0.084                     |
| 5252       | 09/25/2008 | 09:21:08 | 0.078                     |
| 5253       | 09/25/2008 | 09:21:09 | 0.079                     |
| 5254       | 09/25/2008 | 09:21:10 | 0.083                     |
| 5255       | 09/25/2008 | 09:21:11 | 0.082                     |
| 5256       | 09/25/2008 | 09:21:12 | 0.082                     |
| 5257       | 09/25/2008 | 09:21:13 | 0.087                     |
| 5258       | 09/25/2008 | 09:21:14 | 0.093                     |
| 5259       | 09/25/2008 | 09:21:15 | 0.080                     |
| 5260       | 09/25/2008 | 09:21:16 | 0.077                     |
| 5261       | 09/25/2008 | 09:21:17 | 0.093                     |
| 5262       | 09/25/2008 | 09:21:18 | 0.075                     |
| 5263       | 09/25/2008 | 09:21:19 | 0.088                     |
| 5264       | 09/25/2008 | 09:21:20 | 0.084                     |
| 5265       | 09/25/2008 | 09:21:21 | 0.085                     |
| 5266       | 09/25/2008 | 09:21:22 | 0.081                     |
| 5267       | 09/25/2008 | 09:21:23 | 0.082                     |
| 5268       | 09/25/2008 | 09:21:24 | 0.092                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 5269       | 09/25/2008 | 09:21:25 | 0.163                     |
| 5270       | 09/25/2008 | 09:21:26 | 0.106                     |
| 5271       | 09/25/2008 | 09:21:27 | 0.084                     |
| 5272       | 09/25/2008 | 09:21:28 | 0.094                     |
| 5273       | 09/25/2008 | 09:21:29 | 0.079                     |
| 5274       | 09/25/2008 | 09:21:30 | 0.107                     |
| 5275       | 09/25/2008 | 09:21:31 | 0.085                     |
| 5276       | 09/25/2008 | 09:21:32 | 0.081                     |
| 5277       | 09/25/2008 | 09:21:33 | 0.077                     |
| 5278       | 09/25/2008 | 09:21:34 | 0.079                     |
| 5279       | 09/25/2008 | 09:21:35 | 0.099                     |
| 5280       | 09/25/2008 | 09:21:36 | 0.087                     |
| 5281       | 09/25/2008 | 09:21:37 | 0.105                     |
| 5282       | 09/25/2008 | 09:21:38 | 0.095                     |
| 5283       | 09/25/2008 | 09:21:39 | 0.129                     |
| 5284       | 09/25/2008 | 09:21:40 | 0.088                     |
| 5285       | 09/25/2008 | 09:21:41 | 0.089                     |
| 5286       | 09/25/2008 | 09:21:42 | 0.082                     |
| 5287       | 09/25/2008 | 09:21:43 | 0.084                     |
| 5288       | 09/25/2008 | 09:21:44 | 0.086                     |
| 5289       | 09/25/2008 | 09:21:45 | 0.087                     |
| 5290       | 09/25/2008 | 09:21:46 | 0.087                     |
| 5291       | 09/25/2008 | 09:21:47 | 0.088                     |
| 5292       | 09/25/2008 | 09:21:48 | 0.103                     |
| 5293       | 09/25/2008 | 09:21:49 | 0.096                     |
| 5294       | 09/25/2008 | 09:21:50 | 0.085                     |
| 5295       | 09/25/2008 | 09:21:51 | 0.084                     |
| 5296       | 09/25/2008 | 09:21:52 | 0.085                     |
| 5297       | 09/25/2008 | 09:21:53 | 0.086                     |
| 5298       | 09/25/2008 | 09:21:54 | 0.079                     |
| 5299       | 09/25/2008 | 09:21:55 | 0.090                     |
| 5300       | 09/25/2008 | 09:21:56 | 0.083                     |
| 5301       | 09/25/2008 | 09:21:57 | 0.081                     |
| 5302       | 09/25/2008 | 09:21:58 | 0.123                     |
| 5303       | 09/25/2008 | 09:21:59 | 0.086                     |
| 5304       | 09/25/2008 | 09:22:00 | 0.115                     |
| 5305       | 09/25/2008 | 09:22:01 | 0.082                     |
| 5306       | 09/25/2008 | 09:22:02 | 0.084                     |
| 5307       | 09/25/2008 | 09:22:03 | 0.091                     |
| 5308       | 09/25/2008 | 09:22:04 | 0.082                     |
| 5309       | 09/25/2008 | 09:22:05 | 0.088                     |
| 5310       | 09/25/2008 | 09:22:06 | 0.090                     |
| 5311       | 09/25/2008 | 09:22:07 | 0.078                     |
| 5312       | 09/25/2008 | 09:22:08 | 0.117                     |
| 5313       | 09/25/2008 | 09:22:09 | 0.091                     |
| 5314       | 09/25/2008 | 09:22:10 | 0.079                     |
| 5315       | 09/25/2008 | 09:22:11 | 0.093                     |
| 5316       | 09/25/2008 | 09:22:12 | 0.085                     |
| 5317       | 09/25/2008 | 09:22:13 | 0.080                     |
| 5318       | 09/25/2008 | 09:22:14 | 0.111                     |
| 5319       | 09/25/2008 | 09:22:15 | 0.075                     |
| 5320       | 09/25/2008 | 09:22:16 | 0.087                     |
| 5321       | 09/25/2008 | 09:22:17 | 0.083                     |
| 5322       | 09/25/2008 | 09:22:18 | 0.148                     |
| 5323       | 09/25/2008 | 09:22:19 | 0.081                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 5324       | 09/25/2008 | 09:22:20 | 0.089                     |
| 5325       | 09/25/2008 | 09:22:21 | 0.082                     |
| 5326       | 09/25/2008 | 09:22:22 | 0.120                     |
| 5327       | 09/25/2008 | 09:22:23 | 0.085                     |
| 5328       | 09/25/2008 | 09:22:24 | 0.081                     |
| 5329       | 09/25/2008 | 09:22:25 | 0.079                     |
| 5330       | 09/25/2008 | 09:22:26 | 0.104                     |
| 5331       | 09/25/2008 | 09:22:27 | 0.083                     |
| 5332       | 09/25/2008 | 09:22:28 | 0.082                     |
| 5333       | 09/25/2008 | 09:22:29 | 0.088                     |
| 5334       | 09/25/2008 | 09:22:30 | 0.085                     |
| 5335       | 09/25/2008 | 09:22:31 | 0.081                     |
| 5336       | 09/25/2008 | 09:22:32 | 0.100                     |
| 5337       | 09/25/2008 | 09:22:33 | 0.080                     |
| 5338       | 09/25/2008 | 09:22:34 | 0.078                     |
| 5339       | 09/25/2008 | 09:22:35 | 0.080                     |
| 5340       | 09/25/2008 | 09:22:36 | 0.085                     |
| 5341       | 09/25/2008 | 09:22:37 | 0.084                     |
| 5342       | 09/25/2008 | 09:22:38 | 0.095                     |
| 5343       | 09/25/2008 | 09:22:39 | 0.082                     |
| 5344       | 09/25/2008 | 09:22:40 | 0.079                     |
| 5345       | 09/25/2008 | 09:22:41 | 0.079                     |
| 5346       | 09/25/2008 | 09:22:42 | 0.079                     |
| 5347       | 09/25/2008 | 09:22:43 | 0.092                     |
| 5348       | 09/25/2008 | 09:22:44 | 0.074                     |
| 5349       | 09/25/2008 | 09:22:45 | 0.080                     |
| 5350       | 09/25/2008 | 09:22:46 | 0.084                     |
| 5351       | 09/25/2008 | 09:22:47 | 0.083                     |
| 5352       | 09/25/2008 | 09:22:48 | 0.083                     |
| 5353       | 09/25/2008 | 09:22:49 | 0.086                     |
| 5354       | 09/25/2008 | 09:22:50 | 0.443                     |
| 5355       | 09/25/2008 | 09:22:51 | 0.083                     |
| 5356       | 09/25/2008 | 09:22:52 | 0.081                     |
| 5357       | 09/25/2008 | 09:22:53 | 0.079                     |
| 5358       | 09/25/2008 | 09:22:54 | 0.080                     |
| 5359       | 09/25/2008 | 09:22:55 | 0.078                     |
| 5360       | 09/25/2008 | 09:22:56 | 0.079                     |
| 5361       | 09/25/2008 | 09:22:57 | 0.092                     |
| 5362       | 09/25/2008 | 09:22:58 | 0.083                     |
| 5363       | 09/25/2008 | 09:22:59 | 0.078                     |
| 5364       | 09/25/2008 | 09:23:00 | 0.081                     |
| 5365       | 09/25/2008 | 09:23:01 | 0.087                     |
| 5366       | 09/25/2008 | 09:23:02 | 0.084                     |
| 5367       | 09/25/2008 | 09:23:03 | 0.080                     |
| 5368       | 09/25/2008 | 09:23:04 | 0.084                     |
| 5369       | 09/25/2008 | 09:23:05 | 0.080                     |
| 5370       | 09/25/2008 | 09:23:06 | 0.084                     |
| 5371       | 09/25/2008 | 09:23:07 | 0.078                     |
| 5372       | 09/25/2008 | 09:23:08 | 0.104                     |
| 5373       | 09/25/2008 | 09:23:09 | 0.099                     |
| 5374       | 09/25/2008 | 09:23:10 | 0.083                     |
| 5375       | 09/25/2008 | 09:23:11 | 0.082                     |
| 5376       | 09/25/2008 | 09:23:12 | 0.083                     |
| 5377       | 09/25/2008 | 09:23:13 | 0.086                     |
| 5378       | 09/25/2008 | 09:23:14 | 0.114                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 5379       | 09/25/2008 | 09:23:15 | 0.078                     |
| 5380       | 09/25/2008 | 09:23:16 | 0.079                     |
| 5381       | 09/25/2008 | 09:23:17 | 0.080                     |
| 5382       | 09/25/2008 | 09:23:18 | 0.076                     |
| 5383       | 09/25/2008 | 09:23:19 | 0.084                     |
| 5384       | 09/25/2008 | 09:23:20 | 0.149                     |
| 5385       | 09/25/2008 | 09:23:21 | 0.079                     |
| 5386       | 09/25/2008 | 09:23:22 | 0.086                     |
| 5387       | 09/25/2008 | 09:23:23 | 0.101                     |
| 5388       | 09/25/2008 | 09:23:24 | 0.082                     |
| 5389       | 09/25/2008 | 09:23:25 | 0.086                     |
| 5390       | 09/25/2008 | 09:23:26 | 0.087                     |
| 5391       | 09/25/2008 | 09:23:27 | 0.081                     |
| 5392       | 09/25/2008 | 09:23:28 | 0.087                     |
| 5393       | 09/25/2008 | 09:23:29 | 0.083                     |
| 5394       | 09/25/2008 | 09:23:30 | 0.117                     |
| 5395       | 09/25/2008 | 09:23:31 | 0.081                     |
| 5396       | 09/25/2008 | 09:23:32 | 0.083                     |
| 5397       | 09/25/2008 | 09:23:33 | 0.080                     |
| 5398       | 09/25/2008 | 09:23:34 | 0.080                     |
| 5399       | 09/25/2008 | 09:23:35 | 0.083                     |
| 5400       | 09/25/2008 | 09:23:36 | 0.085                     |
| 5401       | 09/25/2008 | 09:23:37 | 0.076                     |
| 5402       | 09/25/2008 | 09:23:38 | 0.081                     |
| 5403       | 09/25/2008 | 09:23:39 | 0.120                     |
| 5404       | 09/25/2008 | 09:23:40 | 0.086                     |
| 5405       | 09/25/2008 | 09:23:41 | 0.077                     |
| 5406       | 09/25/2008 | 09:23:42 | 0.083                     |
| 5407       | 09/25/2008 | 09:23:43 | 0.125                     |
| 5408       | 09/25/2008 | 09:23:44 | 0.083                     |
| 5409       | 09/25/2008 | 09:23:45 | 0.094                     |
| 5410       | 09/25/2008 | 09:23:46 | 0.073                     |
| 5411       | 09/25/2008 | 09:23:47 | 0.088                     |
| 5412       | 09/25/2008 | 09:23:48 | 0.097                     |
| 5413       | 09/25/2008 | 09:23:49 | 0.082                     |
| 5414       | 09/25/2008 | 09:23:50 | 0.081                     |
| 5415       | 09/25/2008 | 09:23:51 | 0.080                     |
| 5416       | 09/25/2008 | 09:23:52 | 0.091                     |
| 5417       | 09/25/2008 | 09:23:53 | 0.093                     |
| 5418       | 09/25/2008 | 09:23:54 | 0.089                     |
| 5419       | 09/25/2008 | 09:23:55 | 0.096                     |
| 5420       | 09/25/2008 | 09:23:56 | 0.085                     |
| 5421       | 09/25/2008 | 09:23:57 | 0.083                     |
| 5422       | 09/25/2008 | 09:23:58 | 0.089                     |
| 5423       | 09/25/2008 | 09:23:59 | 0.084                     |
| 5424       | 09/25/2008 | 09:24:00 | 0.089                     |
| 5425       | 09/25/2008 | 09:24:01 | 0.084                     |
| 5426       | 09/25/2008 | 09:24:02 | 0.085                     |
| 5427       | 09/25/2008 | 09:24:03 | 0.083                     |
| 5428       | 09/25/2008 | 09:24:04 | 0.085                     |
| 5429       | 09/25/2008 | 09:24:05 | 0.087                     |
| 5430       | 09/25/2008 | 09:24:06 | 0.082                     |
| 5431       | 09/25/2008 | 09:24:07 | 0.109                     |
| 5432       | 09/25/2008 | 09:24:08 | 0.082                     |
| 5433       | 09/25/2008 | 09:24:09 | 0.084                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 5434       | 09/25/2008 | 09:24:10 | 0.078                     |
| 5435       | 09/25/2008 | 09:24:11 | 0.084                     |
| 5436       | 09/25/2008 | 09:24:12 | 0.083                     |
| 5437       | 09/25/2008 | 09:24:13 | 0.081                     |
| 5438       | 09/25/2008 | 09:24:14 | 0.085                     |
| 5439       | 09/25/2008 | 09:24:15 | 0.090                     |
| 5440       | 09/25/2008 | 09:24:16 | 0.082                     |
| 5441       | 09/25/2008 | 09:24:17 | 0.081                     |
| 5442       | 09/25/2008 | 09:24:18 | 0.098                     |
| 5443       | 09/25/2008 | 09:24:19 | 0.085                     |
| 5444       | 09/25/2008 | 09:24:20 | 0.081                     |
| 5445       | 09/25/2008 | 09:24:21 | 0.129                     |
| 5446       | 09/25/2008 | 09:24:22 | 0.087                     |
| 5447       | 09/25/2008 | 09:24:23 | 0.086                     |
| 5448       | 09/25/2008 | 09:24:24 | 0.082                     |
| 5449       | 09/25/2008 | 09:24:25 | 0.086                     |
| 5450       | 09/25/2008 | 09:24:26 | 0.115                     |
| 5451       | 09/25/2008 | 09:24:27 | 0.082                     |
| 5452       | 09/25/2008 | 09:24:28 | 0.092                     |
| 5453       | 09/25/2008 | 09:24:29 | 0.079                     |
| 5454       | 09/25/2008 | 09:24:30 | 0.084                     |
| 5455       | 09/25/2008 | 09:24:31 | 0.076                     |
| 5456       | 09/25/2008 | 09:24:32 | 0.089                     |
| 5457       | 09/25/2008 | 09:24:33 | 0.078                     |
| 5458       | 09/25/2008 | 09:24:34 | 0.084                     |
| 5459       | 09/25/2008 | 09:24:35 | 0.090                     |
| 5460       | 09/25/2008 | 09:24:36 | 0.087                     |
| 5461       | 09/25/2008 | 09:24:37 | 0.085                     |
| 5462       | 09/25/2008 | 09:24:38 | 0.081                     |
| 5463       | 09/25/2008 | 09:24:39 | 0.080                     |
| 5464       | 09/25/2008 | 09:24:40 | 0.079                     |
| 5465       | 09/25/2008 | 09:24:41 | 0.084                     |
| 5466       | 09/25/2008 | 09:24:42 | 0.086                     |
| 5467       | 09/25/2008 | 09:24:43 | 0.082                     |
| 5468       | 09/25/2008 | 09:24:44 | 0.080                     |
| 5469       | 09/25/2008 | 09:24:45 | 0.081                     |
| 5470       | 09/25/2008 | 09:24:46 | 0.079                     |
| 5471       | 09/25/2008 | 09:24:47 | 0.080                     |
| 5472       | 09/25/2008 | 09:24:48 | 0.122                     |
| 5473       | 09/25/2008 | 09:24:49 | 0.102                     |
| 5474       | 09/25/2008 | 09:24:50 | 0.092                     |
| 5475       | 09/25/2008 | 09:24:51 | 0.093                     |
| 5476       | 09/25/2008 | 09:24:52 | 0.181                     |
| 5477       | 09/25/2008 | 09:24:53 | 0.086                     |
| 5478       | 09/25/2008 | 09:24:54 | 0.080                     |
| 5479       | 09/25/2008 | 09:24:55 | 0.090                     |
| 5480       | 09/25/2008 | 09:24:56 | 0.088                     |
| 5481       | 09/25/2008 | 09:24:57 | 0.091                     |
| 5482       | 09/25/2008 | 09:24:58 | 0.080                     |
| 5483       | 09/25/2008 | 09:24:59 | 0.080                     |
| 5484       | 09/25/2008 | 09:25:00 | 0.083                     |
| 5485       | 09/25/2008 | 09:25:01 | 0.088                     |
| 5486       | 09/25/2008 | 09:25:02 | 0.075                     |
| 5487       | 09/25/2008 | 09:25:03 | 0.076                     |
| 5488       | 09/25/2008 | 09:25:04 | 0.084                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 5489       | 09/25/2008 | 09:25:05 | 0.085                     |
| 5490       | 09/25/2008 | 09:25:06 | 0.100                     |
| 5491       | 09/25/2008 | 09:25:07 | 0.104                     |
| 5492       | 09/25/2008 | 09:25:08 | 0.092                     |
| 5493       | 09/25/2008 | 09:25:09 | 0.094                     |
| 5494       | 09/25/2008 | 09:25:10 | 0.108                     |
| 5495       | 09/25/2008 | 09:25:11 | 0.087                     |
| 5496       | 09/25/2008 | 09:25:12 | 0.076                     |
| 5497       | 09/25/2008 | 09:25:13 | 0.082                     |
| 5498       | 09/25/2008 | 09:25:14 | 0.226                     |
| 5499       | 09/25/2008 | 09:25:15 | 0.094                     |
| 5500       | 09/25/2008 | 09:25:16 | 0.141                     |
| 5501       | 09/25/2008 | 09:25:17 | 0.079                     |
| 5502       | 09/25/2008 | 09:25:18 | 0.084                     |
| 5503       | 09/25/2008 | 09:25:19 | 0.119                     |
| 5504       | 09/25/2008 | 09:25:20 | 0.084                     |
| 5505       | 09/25/2008 | 09:25:21 | 0.075                     |
| 5506       | 09/25/2008 | 09:25:22 | 0.092                     |
| 5507       | 09/25/2008 | 09:25:23 | 0.085                     |
| 5508       | 09/25/2008 | 09:25:24 | 0.091                     |
| 5509       | 09/25/2008 | 09:25:25 | 0.092                     |
| 5510       | 09/25/2008 | 09:25:26 | 0.081                     |
| 5511       | 09/25/2008 | 09:25:27 | 0.077                     |
| 5512       | 09/25/2008 | 09:25:28 | 0.077                     |
| 5513       | 09/25/2008 | 09:25:29 | 0.087                     |
| 5514       | 09/25/2008 | 09:25:30 | 0.079                     |
| 5515       | 09/25/2008 | 09:25:31 | 0.093                     |
| 5516       | 09/25/2008 | 09:25:32 | 0.083                     |
| 5517       | 09/25/2008 | 09:25:33 | 0.086                     |
| 5518       | 09/25/2008 | 09:25:34 | 0.082                     |
| 5519       | 09/25/2008 | 09:25:35 | 0.084                     |
| 5520       | 09/25/2008 | 09:25:36 | 0.081                     |
| 5521       | 09/25/2008 | 09:25:37 | 0.083                     |
| 5522       | 09/25/2008 | 09:25:38 | 0.082                     |
| 5523       | 09/25/2008 | 09:25:39 | 0.084                     |
| 5524       | 09/25/2008 | 09:25:40 | 0.078                     |
| 5525       | 09/25/2008 | 09:25:41 | 0.088                     |
| 5526       | 09/25/2008 | 09:25:42 | 0.086                     |
| 5527       | 09/25/2008 | 09:25:43 | 0.084                     |
| 5528       | 09/25/2008 | 09:25:44 | 0.079                     |
| 5529       | 09/25/2008 | 09:25:45 | 0.101                     |
| 5530       | 09/25/2008 | 09:25:46 | 0.133                     |
| 5531       | 09/25/2008 | 09:25:47 | 0.084                     |
| 5532       | 09/25/2008 | 09:25:48 | 0.217                     |
| 5533       | 09/25/2008 | 09:25:49 | 0.076                     |
| 5534       | 09/25/2008 | 09:25:50 | 0.084                     |
| 5535       | 09/25/2008 | 09:25:51 | 0.083                     |
| 5536       | 09/25/2008 | 09:25:52 | 0.087                     |
| 5537       | 09/25/2008 | 09:25:53 | 0.077                     |
| 5538       | 09/25/2008 | 09:25:54 | 0.109                     |
| 5539       | 09/25/2008 | 09:25:55 | 0.077                     |
| 5540       | 09/25/2008 | 09:25:56 | 0.094                     |
| 5541       | 09/25/2008 | 09:25:57 | 0.090                     |
| 5542       | 09/25/2008 | 09:25:58 | 0.087                     |
| 5543       | 09/25/2008 | 09:25:59 | 0.113                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 5544       | 09/25/2008 | 09:26:00 | 0.090                     |
| 5545       | 09/25/2008 | 09:26:01 | 0.081                     |
| 5546       | 09/25/2008 | 09:26:02 | 0.097                     |
| 5547       | 09/25/2008 | 09:26:03 | 0.079                     |
| 5548       | 09/25/2008 | 09:26:04 | 0.091                     |
| 5549       | 09/25/2008 | 09:26:05 | 0.087                     |
| 5550       | 09/25/2008 | 09:26:06 | 0.083                     |
| 5551       | 09/25/2008 | 09:26:07 | 0.082                     |
| 5552       | 09/25/2008 | 09:26:08 | 0.090                     |
| 5553       | 09/25/2008 | 09:26:09 | 0.084                     |
| 5554       | 09/25/2008 | 09:26:10 | 0.083                     |
| 5555       | 09/25/2008 | 09:26:11 | 0.080                     |
| 5556       | 09/25/2008 | 09:26:12 | 0.082                     |
| 5557       | 09/25/2008 | 09:26:13 | 0.079                     |
| 5558       | 09/25/2008 | 09:26:14 | 0.083                     |
| 5559       | 09/25/2008 | 09:26:15 | 0.086                     |
| 5560       | 09/25/2008 | 09:26:16 | 0.082                     |
| 5561       | 09/25/2008 | 09:26:17 | 0.116                     |
| 5562       | 09/25/2008 | 09:26:18 | 0.098                     |
| 5563       | 09/25/2008 | 09:26:19 | 0.085                     |
| 5564       | 09/25/2008 | 09:26:20 | 0.081                     |
| 5565       | 09/25/2008 | 09:26:21 | 0.079                     |
| 5566       | 09/25/2008 | 09:26:22 | 0.090                     |
| 5567       | 09/25/2008 | 09:26:23 | 0.087                     |
| 5568       | 09/25/2008 | 09:26:24 | 0.081                     |
| 5569       | 09/25/2008 | 09:26:25 | 0.079                     |
| 5570       | 09/25/2008 | 09:26:26 | 0.088                     |
| 5571       | 09/25/2008 | 09:26:27 | 0.092                     |
| 5572       | 09/25/2008 | 09:26:28 | 0.086                     |
| 5573       | 09/25/2008 | 09:26:29 | 0.086                     |
| 5574       | 09/25/2008 | 09:26:30 | 0.078                     |
| 5575       | 09/25/2008 | 09:26:31 | 0.092                     |
| 5576       | 09/25/2008 | 09:26:32 | 0.093                     |
| 5577       | 09/25/2008 | 09:26:33 | 0.084                     |
| 5578       | 09/25/2008 | 09:26:34 | 0.096                     |
| 5579       | 09/25/2008 | 09:26:35 | 0.085                     |
| 5580       | 09/25/2008 | 09:26:36 | 0.081                     |
| 5581       | 09/25/2008 | 09:26:37 | 0.083                     |
| 5582       | 09/25/2008 | 09:26:38 | 0.079                     |
| 5583       | 09/25/2008 | 09:26:39 | 0.079                     |
| 5584       | 09/25/2008 | 09:26:40 | 0.080                     |
| 5585       | 09/25/2008 | 09:26:41 | 0.079                     |
| 5586       | 09/25/2008 | 09:26:42 | 0.084                     |
| 5587       | 09/25/2008 | 09:26:43 | 0.081                     |
| 5588       | 09/25/2008 | 09:26:44 | 0.088                     |
| 5589       | 09/25/2008 | 09:26:45 | 0.102                     |
| 5590       | 09/25/2008 | 09:26:46 | 0.085                     |
| 5591       | 09/25/2008 | 09:26:47 | 0.093                     |
| 5592       | 09/25/2008 | 09:26:48 | 0.087                     |
| 5593       | 09/25/2008 | 09:26:49 | 0.082                     |
| 5594       | 09/25/2008 | 09:26:50 | 0.082                     |
| 5595       | 09/25/2008 | 09:26:51 | 0.078                     |
| 5596       | 09/25/2008 | 09:26:52 | 0.091                     |
| 5597       | 09/25/2008 | 09:26:53 | 0.084                     |
| 5598       | 09/25/2008 | 09:26:54 | 0.089                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 5599       | 09/25/2008 | 09:26:55 | 0.086                     |
| 5600       | 09/25/2008 | 09:26:56 | 0.079                     |
| 5601       | 09/25/2008 | 09:26:57 | 0.086                     |
| 5602       | 09/25/2008 | 09:26:58 | 0.106                     |
| 5603       | 09/25/2008 | 09:26:59 | 0.088                     |
| 5604       | 09/25/2008 | 09:27:00 | 0.086                     |
| 5605       | 09/25/2008 | 09:27:01 | 0.084                     |
| 5606       | 09/25/2008 | 09:27:02 | 0.090                     |
| 5607       | 09/25/2008 | 09:27:03 | 0.086                     |
| 5608       | 09/25/2008 | 09:27:04 | 0.078                     |
| 5609       | 09/25/2008 | 09:27:05 | 0.085                     |
| 5610       | 09/25/2008 | 09:27:06 | 0.089                     |
| 5611       | 09/25/2008 | 09:27:07 | 0.078                     |
| 5612       | 09/25/2008 | 09:27:08 | 0.076                     |
| 5613       | 09/25/2008 | 09:27:09 | 0.085                     |
| 5614       | 09/25/2008 | 09:27:10 | 0.082                     |
| 5615       | 09/25/2008 | 09:27:11 | 0.083                     |
| 5616       | 09/25/2008 | 09:27:12 | 0.080                     |
| 5617       | 09/25/2008 | 09:27:13 | 0.115                     |
| 5618       | 09/25/2008 | 09:27:14 | 0.078                     |
| 5619       | 09/25/2008 | 09:27:15 | 0.082                     |
| 5620       | 09/25/2008 | 09:27:16 | 0.083                     |
| 5621       | 09/25/2008 | 09:27:17 | 0.081                     |
| 5622       | 09/25/2008 | 09:27:18 | 0.087                     |
| 5623       | 09/25/2008 | 09:27:19 | 0.082                     |
| 5624       | 09/25/2008 | 09:27:20 | 0.080                     |
| 5625       | 09/25/2008 | 09:27:21 | 0.081                     |
| 5626       | 09/25/2008 | 09:27:22 | 0.082                     |
| 5627       | 09/25/2008 | 09:27:23 | 0.086                     |
| 5628       | 09/25/2008 | 09:27:24 | 0.081                     |
| 5629       | 09/25/2008 | 09:27:25 | 0.082                     |
| 5630       | 09/25/2008 | 09:27:26 | 0.088                     |
| 5631       | 09/25/2008 | 09:27:27 | 0.081                     |
| 5632       | 09/25/2008 | 09:27:28 | 0.085                     |
| 5633       | 09/25/2008 | 09:27:29 | 0.089                     |
| 5634       | 09/25/2008 | 09:27:30 | 0.075                     |
| 5635       | 09/25/2008 | 09:27:31 | 0.102                     |
| 5636       | 09/25/2008 | 09:27:32 | 0.086                     |
| 5637       | 09/25/2008 | 09:27:33 | 0.106                     |
| 5638       | 09/25/2008 | 09:27:34 | 0.079                     |
| 5639       | 09/25/2008 | 09:27:35 | 0.091                     |
| 5640       | 09/25/2008 | 09:27:36 | 0.088                     |
| 5641       | 09/25/2008 | 09:27:37 | 0.084                     |
| 5642       | 09/25/2008 | 09:27:38 | 0.095                     |
| 5643       | 09/25/2008 | 09:27:39 | 0.082                     |
| 5644       | 09/25/2008 | 09:27:40 | 0.085                     |
| 5645       | 09/25/2008 | 09:27:41 | 0.081                     |
| 5646       | 09/25/2008 | 09:27:42 | 0.105                     |
| 5647       | 09/25/2008 | 09:27:43 | 0.080                     |
| 5648       | 09/25/2008 | 09:27:44 | 0.092                     |
| 5649       | 09/25/2008 | 09:27:45 | 0.087                     |
| 5650       | 09/25/2008 | 09:27:46 | 0.079                     |
| 5651       | 09/25/2008 | 09:27:47 | 0.087                     |
| 5652       | 09/25/2008 | 09:27:48 | 0.083                     |
| 5653       | 09/25/2008 | 09:27:49 | 0.090                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 5654       | 09/25/2008 | 09:27:50 | 0.094                     |
| 5655       | 09/25/2008 | 09:27:51 | 0.082                     |
| 5656       | 09/25/2008 | 09:27:52 | 0.080                     |
| 5657       | 09/25/2008 | 09:27:53 | 0.078                     |
| 5658       | 09/25/2008 | 09:27:54 | 0.131                     |
| 5659       | 09/25/2008 | 09:27:55 | 0.095                     |
| 5660       | 09/25/2008 | 09:27:56 | 0.090                     |
| 5661       | 09/25/2008 | 09:27:57 | 0.075                     |
| 5662       | 09/25/2008 | 09:27:58 | 0.080                     |
| 5663       | 09/25/2008 | 09:27:59 | 0.082                     |
| 5664       | 09/25/2008 | 09:28:00 | 0.088                     |
| 5665       | 09/25/2008 | 09:28:01 | 0.096                     |
| 5666       | 09/25/2008 | 09:28:02 | 0.087                     |
| 5667       | 09/25/2008 | 09:28:03 | 0.083                     |
| 5668       | 09/25/2008 | 09:28:04 | 0.106                     |
| 5669       | 09/25/2008 | 09:28:05 | 0.080                     |
| 5670       | 09/25/2008 | 09:28:06 | 0.079                     |
| 5671       | 09/25/2008 | 09:28:07 | 0.098                     |
| 5672       | 09/25/2008 | 09:28:08 | 0.084                     |
| 5673       | 09/25/2008 | 09:28:09 | 0.100                     |
| 5674       | 09/25/2008 | 09:28:10 | 0.082                     |
| 5675       | 09/25/2008 | 09:28:11 | 0.071                     |
| 5676       | 09/25/2008 | 09:28:12 | 0.084                     |
| 5677       | 09/25/2008 | 09:28:13 | 0.083                     |
| 5678       | 09/25/2008 | 09:28:14 | 0.112                     |
| 5679       | 09/25/2008 | 09:28:15 | 0.084                     |
| 5680       | 09/25/2008 | 09:28:16 | 0.101                     |
| 5681       | 09/25/2008 | 09:28:17 | 0.083                     |
| 5682       | 09/25/2008 | 09:28:18 | 0.129                     |
| 5683       | 09/25/2008 | 09:28:19 | 0.082                     |
| 5684       | 09/25/2008 | 09:28:20 | 0.103                     |
| 5685       | 09/25/2008 | 09:28:21 | 0.082                     |
| 5686       | 09/25/2008 | 09:28:22 | 0.079                     |
| 5687       | 09/25/2008 | 09:28:23 | 0.091                     |
| 5688       | 09/25/2008 | 09:28:24 | 0.087                     |
| 5689       | 09/25/2008 | 09:28:25 | 0.086                     |
| 5690       | 09/25/2008 | 09:28:26 | 0.078                     |
| 5691       | 09/25/2008 | 09:28:27 | 0.082                     |
| 5692       | 09/25/2008 | 09:28:28 | 0.080                     |
| 5693       | 09/25/2008 | 09:28:29 | 0.099                     |
| 5694       | 09/25/2008 | 09:28:30 | 0.085                     |
| 5695       | 09/25/2008 | 09:28:31 | 0.078                     |
| 5696       | 09/25/2008 | 09:28:32 | 0.083                     |
| 5697       | 09/25/2008 | 09:28:33 | 0.075                     |
| 5698       | 09/25/2008 | 09:28:34 | 0.087                     |
| 5699       | 09/25/2008 | 09:28:35 | 0.081                     |
| 5700       | 09/25/2008 | 09:28:36 | 0.081                     |
| 5701       | 09/25/2008 | 09:28:37 | 0.080                     |
| 5702       | 09/25/2008 | 09:28:38 | 0.084                     |
| 5703       | 09/25/2008 | 09:28:39 | 0.094                     |
| 5704       | 09/25/2008 | 09:28:40 | 0.086                     |
| 5705       | 09/25/2008 | 09:28:41 | 0.085                     |
| 5706       | 09/25/2008 | 09:28:42 | 0.076                     |
| 5707       | 09/25/2008 | 09:28:43 | 0.086                     |
| 5708       | 09/25/2008 | 09:28:44 | 0.083                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 5709       | 09/25/2008 | 09:28:45 | 0.103                     |
| 5710       | 09/25/2008 | 09:28:46 | 0.089                     |
| 5711       | 09/25/2008 | 09:28:47 | 0.085                     |
| 5712       | 09/25/2008 | 09:28:48 | 0.082                     |
| 5713       | 09/25/2008 | 09:28:49 | 0.088                     |
| 5714       | 09/25/2008 | 09:28:50 | 0.097                     |
| 5715       | 09/25/2008 | 09:28:51 | 0.082                     |
| 5716       | 09/25/2008 | 09:28:52 | 0.081                     |
| 5717       | 09/25/2008 | 09:28:53 | 0.089                     |
| 5718       | 09/25/2008 | 09:28:54 | 0.088                     |
| 5719       | 09/25/2008 | 09:28:55 | 0.082                     |
| 5720       | 09/25/2008 | 09:28:56 | 0.108                     |
| 5721       | 09/25/2008 | 09:28:57 | 0.079                     |
| 5722       | 09/25/2008 | 09:28:58 | 0.075                     |
| 5723       | 09/25/2008 | 09:28:59 | 0.080                     |
| 5724       | 09/25/2008 | 09:29:00 | 0.082                     |
| 5725       | 09/25/2008 | 09:29:01 | 0.083                     |
| 5726       | 09/25/2008 | 09:29:02 | 0.081                     |
| 5727       | 09/25/2008 | 09:29:03 | 0.086                     |
| 5728       | 09/25/2008 | 09:29:04 | 0.082                     |
| 5729       | 09/25/2008 | 09:29:05 | 0.084                     |
| 5730       | 09/25/2008 | 09:29:06 | 0.099                     |
| 5731       | 09/25/2008 | 09:29:07 | 0.089                     |
| 5732       | 09/25/2008 | 09:29:08 | 0.092                     |
| 5733       | 09/25/2008 | 09:29:09 | 0.085                     |
| 5734       | 09/25/2008 | 09:29:10 | 0.090                     |
| 5735       | 09/25/2008 | 09:29:11 | 0.115                     |
| 5736       | 09/25/2008 | 09:29:12 | 0.084                     |
| 5737       | 09/25/2008 | 09:29:13 | 0.095                     |
| 5738       | 09/25/2008 | 09:29:14 | 0.082                     |
| 5739       | 09/25/2008 | 09:29:15 | 0.085                     |
| 5740       | 09/25/2008 | 09:29:16 | 0.107                     |
| 5741       | 09/25/2008 | 09:29:17 | 0.079                     |
| 5742       | 09/25/2008 | 09:29:18 | 0.078                     |
| 5743       | 09/25/2008 | 09:29:19 | 0.084                     |
| 5744       | 09/25/2008 | 09:29:20 | 0.088                     |
| 5745       | 09/25/2008 | 09:29:21 | 0.075                     |
| 5746       | 09/25/2008 | 09:29:22 | 0.086                     |
| 5747       | 09/25/2008 | 09:29:23 | 0.081                     |
| 5748       | 09/25/2008 | 09:29:24 | 0.093                     |
| 5749       | 09/25/2008 | 09:29:25 | 0.087                     |
| 5750       | 09/25/2008 | 09:29:26 | 0.080                     |
| 5751       | 09/25/2008 | 09:29:27 | 0.081                     |
| 5752       | 09/25/2008 | 09:29:28 | 0.085                     |
| 5753       | 09/25/2008 | 09:29:29 | 0.082                     |
| 5754       | 09/25/2008 | 09:29:30 | 0.114                     |
| 5755       | 09/25/2008 | 09:29:31 | 0.107                     |
| 5756       | 09/25/2008 | 09:29:32 | 0.106                     |
| 5757       | 09/25/2008 | 09:29:33 | 0.082                     |
| 5758       | 09/25/2008 | 09:29:34 | 0.085                     |
| 5759       | 09/25/2008 | 09:29:35 | 0.078                     |
| 5760       | 09/25/2008 | 09:29:36 | 0.083                     |
| 5761       | 09/25/2008 | 09:29:37 | 0.081                     |
| 5762       | 09/25/2008 | 09:29:38 | 0.090                     |
| 5763       | 09/25/2008 | 09:29:39 | 0.089                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 5764       | 09/25/2008 | 09:29:40 | 0.080                     |
| 5765       | 09/25/2008 | 09:29:41 | 0.092                     |
| 5766       | 09/25/2008 | 09:29:42 | 0.086                     |
| 5767       | 09/25/2008 | 09:29:43 | 0.081                     |
| 5768       | 09/25/2008 | 09:29:44 | 0.170                     |
| 5769       | 09/25/2008 | 09:29:45 | 0.188                     |
| 5770       | 09/25/2008 | 09:29:46 | 0.085                     |
| 5771       | 09/25/2008 | 09:29:47 | 0.080                     |
| 5772       | 09/25/2008 | 09:29:48 | 0.081                     |
| 5773       | 09/25/2008 | 09:29:49 | 0.079                     |
| 5774       | 09/25/2008 | 09:29:50 | 0.131                     |
| 5775       | 09/25/2008 | 09:29:51 | 0.086                     |
| 5776       | 09/25/2008 | 09:29:52 | 0.083                     |
| 5777       | 09/25/2008 | 09:29:53 | 0.106                     |
| 5778       | 09/25/2008 | 09:29:54 | 0.086                     |
| 5779       | 09/25/2008 | 09:29:55 | 0.082                     |
| 5780       | 09/25/2008 | 09:29:56 | 0.091                     |
| 5781       | 09/25/2008 | 09:29:57 | 0.080                     |
| 5782       | 09/25/2008 | 09:29:58 | 0.085                     |
| 5783       | 09/25/2008 | 09:29:59 | 0.091                     |
| 5784       | 09/25/2008 | 09:30:00 | 0.082                     |
| 5785       | 09/25/2008 | 09:30:01 | 0.085                     |
| 5786       | 09/25/2008 | 09:30:02 | 0.077                     |
| 5787       | 09/25/2008 | 09:30:03 | 0.084                     |
| 5788       | 09/25/2008 | 09:30:04 | 0.086                     |
| 5789       | 09/25/2008 | 09:30:05 | 0.082                     |
| 5790       | 09/25/2008 | 09:30:06 | 0.079                     |
| 5791       | 09/25/2008 | 09:30:07 | 0.084                     |
| 5792       | 09/25/2008 | 09:30:08 | 0.127                     |
| 5793       | 09/25/2008 | 09:30:09 | 0.097                     |
| 5794       | 09/25/2008 | 09:30:10 | 0.079                     |
| 5795       | 09/25/2008 | 09:30:11 | 0.093                     |
| 5796       | 09/25/2008 | 09:30:12 | 0.084                     |
| 5797       | 09/25/2008 | 09:30:13 | 0.086                     |
| 5798       | 09/25/2008 | 09:30:14 | 0.078                     |
| 5799       | 09/25/2008 | 09:30:15 | 0.082                     |
| 5800       | 09/25/2008 | 09:30:16 | 0.081                     |
| 5801       | 09/25/2008 | 09:30:17 | 0.081                     |
| 5802       | 09/25/2008 | 09:30:18 | 0.091                     |
| 5803       | 09/25/2008 | 09:30:19 | 0.095                     |
| 5804       | 09/25/2008 | 09:30:20 | 0.102                     |
| 5805       | 09/25/2008 | 09:30:21 | 0.094                     |
| 5806       | 09/25/2008 | 09:30:22 | 0.093                     |
| 5807       | 09/25/2008 | 09:30:23 | 0.084                     |
| 5808       | 09/25/2008 | 09:30:24 | 0.090                     |
| 5809       | 09/25/2008 | 09:30:25 | 0.087                     |
| 5810       | 09/25/2008 | 09:30:26 | 0.079                     |
| 5811       | 09/25/2008 | 09:30:27 | 0.085                     |
| 5812       | 09/25/2008 | 09:30:28 | 0.091                     |
| 5813       | 09/25/2008 | 09:30:29 | 0.087                     |
| 5814       | 09/25/2008 | 09:30:30 | 0.079                     |
| 5815       | 09/25/2008 | 09:30:31 | 0.125                     |
| 5816       | 09/25/2008 | 09:30:32 | 0.132                     |
| 5817       | 09/25/2008 | 09:30:33 | 0.084                     |
| 5818       | 09/25/2008 | 09:30:34 | 0.079                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 5819       | 09/25/2008 | 09:30:35 | 0.090                     |
| 5820       | 09/25/2008 | 09:30:36 | 0.082                     |
| 5821       | 09/25/2008 | 09:30:37 | 0.088                     |
| 5822       | 09/25/2008 | 09:30:38 | 0.081                     |
| 5823       | 09/25/2008 | 09:30:39 | 0.084                     |
| 5824       | 09/25/2008 | 09:30:40 | 0.091                     |
| 5825       | 09/25/2008 | 09:30:41 | 0.086                     |
| 5826       | 09/25/2008 | 09:30:42 | 0.080                     |
| 5827       | 09/25/2008 | 09:30:43 | 0.085                     |
| 5828       | 09/25/2008 | 09:30:44 | 0.105                     |
| 5829       | 09/25/2008 | 09:30:45 | 0.079                     |
| 5830       | 09/25/2008 | 09:30:46 | 0.088                     |
| 5831       | 09/25/2008 | 09:30:47 | 0.088                     |
| 5832       | 09/25/2008 | 09:30:48 | 0.094                     |
| 5833       | 09/25/2008 | 09:30:49 | 0.080                     |
| 5834       | 09/25/2008 | 09:30:50 | 0.081                     |
| 5835       | 09/25/2008 | 09:30:51 | 0.083                     |
| 5836       | 09/25/2008 | 09:30:52 | 0.081                     |
| 5837       | 09/25/2008 | 09:30:53 | 0.078                     |
| 5838       | 09/25/2008 | 09:30:54 | 0.085                     |
| 5839       | 09/25/2008 | 09:30:55 | 0.079                     |
| 5840       | 09/25/2008 | 09:30:56 | 0.136                     |
| 5841       | 09/25/2008 | 09:30:57 | 0.104                     |
| 5842       | 09/25/2008 | 09:30:58 | 0.086                     |
| 5843       | 09/25/2008 | 09:30:59 | 0.084                     |
| 5844       | 09/25/2008 | 09:31:00 | 0.086                     |
| 5845       | 09/25/2008 | 09:31:01 | 0.091                     |
| 5846       | 09/25/2008 | 09:31:02 | 0.087                     |
| 5847       | 09/25/2008 | 09:31:03 | 0.126                     |
| 5848       | 09/25/2008 | 09:31:04 | 0.087                     |
| 5849       | 09/25/2008 | 09:31:05 | 0.086                     |
| 5850       | 09/25/2008 | 09:31:06 | 0.076                     |
| 5851       | 09/25/2008 | 09:31:07 | 0.084                     |
| 5852       | 09/25/2008 | 09:31:08 | 0.097                     |
| 5853       | 09/25/2008 | 09:31:09 | 0.081                     |
| 5854       | 09/25/2008 | 09:31:10 | 0.082                     |
| 5855       | 09/25/2008 | 09:31:11 | 0.078                     |
| 5856       | 09/25/2008 | 09:31:12 | 0.089                     |
| 5857       | 09/25/2008 | 09:31:13 | 0.083                     |
| 5858       | 09/25/2008 | 09:31:14 | 0.090                     |
| 5859       | 09/25/2008 | 09:31:15 | 0.086                     |
| 5860       | 09/25/2008 | 09:31:16 | 0.084                     |
| 5861       | 09/25/2008 | 09:31:17 | 0.082                     |
| 5862       | 09/25/2008 | 09:31:18 | 0.088                     |
| 5863       | 09/25/2008 | 09:31:19 | 0.079                     |
| 5864       | 09/25/2008 | 09:31:20 | 0.084                     |
| 5865       | 09/25/2008 | 09:31:21 | 0.100                     |
| 5866       | 09/25/2008 | 09:31:22 | 0.082                     |
| 5867       | 09/25/2008 | 09:31:23 | 0.092                     |
| 5868       | 09/25/2008 | 09:31:24 | 0.081                     |
| 5869       | 09/25/2008 | 09:31:25 | 0.082                     |
| 5870       | 09/25/2008 | 09:31:26 | 0.076                     |
| 5871       | 09/25/2008 | 09:31:27 | 0.087                     |
| 5872       | 09/25/2008 | 09:31:28 | 0.083                     |
| 5873       | 09/25/2008 | 09:31:29 | 0.088                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 5874       | 09/25/2008 | 09:31:30 | 0.084                     |
| 5875       | 09/25/2008 | 09:31:31 | 0.097                     |
| 5876       | 09/25/2008 | 09:31:32 | 0.090                     |
| 5877       | 09/25/2008 | 09:31:33 | 0.083                     |
| 5878       | 09/25/2008 | 09:31:34 | 0.107                     |
| 5879       | 09/25/2008 | 09:31:35 | 0.084                     |
| 5880       | 09/25/2008 | 09:31:36 | 0.085                     |
| 5881       | 09/25/2008 | 09:31:37 | 0.078                     |
| 5882       | 09/25/2008 | 09:31:38 | 0.108                     |
| 5883       | 09/25/2008 | 09:31:39 | 0.083                     |
| 5884       | 09/25/2008 | 09:31:40 | 0.087                     |
| 5885       | 09/25/2008 | 09:31:41 | 0.102                     |
| 5886       | 09/25/2008 | 09:31:42 | 0.090                     |
| 5887       | 09/25/2008 | 09:31:43 | 0.098                     |
| 5888       | 09/25/2008 | 09:31:44 | 0.084                     |
| 5889       | 09/25/2008 | 09:31:45 | 0.079                     |
| 5890       | 09/25/2008 | 09:31:46 | 0.095                     |
| 5891       | 09/25/2008 | 09:31:47 | 0.099                     |
| 5892       | 09/25/2008 | 09:31:48 | 0.086                     |
| 5893       | 09/25/2008 | 09:31:49 | 0.079                     |
| 5894       | 09/25/2008 | 09:31:50 | 0.084                     |
| 5895       | 09/25/2008 | 09:31:51 | 0.080                     |
| 5896       | 09/25/2008 | 09:31:52 | 0.080                     |
| 5897       | 09/25/2008 | 09:31:53 | 0.079                     |
| 5898       | 09/25/2008 | 09:31:54 | 0.087                     |
| 5899       | 09/25/2008 | 09:31:55 | 0.087                     |
| 5900       | 09/25/2008 | 09:31:56 | 0.096                     |
| 5901       | 09/25/2008 | 09:31:57 | 0.085                     |
| 5902       | 09/25/2008 | 09:31:58 | 0.093                     |
| 5903       | 09/25/2008 | 09:31:59 | 0.106                     |
| 5904       | 09/25/2008 | 09:32:00 | 0.086                     |
| 5905       | 09/25/2008 | 09:32:01 | 0.116                     |
| 5906       | 09/25/2008 | 09:32:02 | 0.084                     |
| 5907       | 09/25/2008 | 09:32:03 | 0.082                     |
| 5908       | 09/25/2008 | 09:32:04 | 0.102                     |
| 5909       | 09/25/2008 | 09:32:05 | 0.091                     |
| 5910       | 09/25/2008 | 09:32:06 | 0.101                     |
| 5911       | 09/25/2008 | 09:32:07 | 0.104                     |
| 5912       | 09/25/2008 | 09:32:08 | 0.098                     |
| 5913       | 09/25/2008 | 09:32:09 | 0.080                     |
| 5914       | 09/25/2008 | 09:32:10 | 0.116                     |
| 5915       | 09/25/2008 | 09:32:11 | 0.083                     |
| 5916       | 09/25/2008 | 09:32:12 | 0.108                     |
| 5917       | 09/25/2008 | 09:32:13 | 0.095                     |
| 5918       | 09/25/2008 | 09:32:14 | 0.098                     |
| 5919       | 09/25/2008 | 09:32:15 | 0.088                     |
| 5920       | 09/25/2008 | 09:32:16 | 0.087                     |
| 5921       | 09/25/2008 | 09:32:17 | 0.097                     |
| 5922       | 09/25/2008 | 09:32:18 | 0.089                     |
| 5923       | 09/25/2008 | 09:32:19 | 0.086                     |
| 5924       | 09/25/2008 | 09:32:20 | 0.120                     |
| 5925       | 09/25/2008 | 09:32:21 | 0.077                     |
| 5926       | 09/25/2008 | 09:32:22 | 0.098                     |
| 5927       | 09/25/2008 | 09:32:23 | 0.082                     |
| 5928       | 09/25/2008 | 09:32:24 | 0.100                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 5929       | 09/25/2008 | 09:32:25 | 0.087                     |
| 5930       | 09/25/2008 | 09:32:26 | 0.089                     |
| 5931       | 09/25/2008 | 09:32:27 | 0.087                     |
| 5932       | 09/25/2008 | 09:32:28 | 0.110                     |
| 5933       | 09/25/2008 | 09:32:29 | 0.097                     |
| 5934       | 09/25/2008 | 09:32:30 | 0.087                     |
| 5935       | 09/25/2008 | 09:32:31 | 0.086                     |
| 5936       | 09/25/2008 | 09:32:32 | 0.104                     |
| 5937       | 09/25/2008 | 09:32:33 | 0.092                     |
| 5938       | 09/25/2008 | 09:32:34 | 0.085                     |
| 5939       | 09/25/2008 | 09:32:35 | 0.143                     |
| 5940       | 09/25/2008 | 09:32:36 | 0.082                     |
| 5941       | 09/25/2008 | 09:32:37 | 0.090                     |
| 5942       | 09/25/2008 | 09:32:38 | 0.091                     |
| 5943       | 09/25/2008 | 09:32:39 | 0.101                     |
| 5944       | 09/25/2008 | 09:32:40 | 0.093                     |
| 5945       | 09/25/2008 | 09:32:41 | 0.092                     |
| 5946       | 09/25/2008 | 09:32:42 | 0.094                     |
| 5947       | 09/25/2008 | 09:32:43 | 0.081                     |
| 5948       | 09/25/2008 | 09:32:44 | 0.082                     |
| 5949       | 09/25/2008 | 09:32:45 | 0.092                     |
| 5950       | 09/25/2008 | 09:32:46 | 0.138                     |
| 5951       | 09/25/2008 | 09:32:47 | 0.092                     |
| 5952       | 09/25/2008 | 09:32:48 | 0.083                     |
| 5953       | 09/25/2008 | 09:32:49 | 0.092                     |
| 5954       | 09/25/2008 | 09:32:50 | 0.095                     |
| 5955       | 09/25/2008 | 09:32:51 | 0.092                     |
| 5956       | 09/25/2008 | 09:32:52 | 0.077                     |
| 5957       | 09/25/2008 | 09:32:53 | 0.085                     |
| 5958       | 09/25/2008 | 09:32:54 | 0.077                     |
| 5959       | 09/25/2008 | 09:32:55 | 0.083                     |
| 5960       | 09/25/2008 | 09:32:56 | 0.078                     |
| 5961       | 09/25/2008 | 09:32:57 | 0.095                     |
| 5962       | 09/25/2008 | 09:32:58 | 0.081                     |
| 5963       | 09/25/2008 | 09:32:59 | 0.089                     |
| 5964       | 09/25/2008 | 09:33:00 | 0.096                     |
| 5965       | 09/25/2008 | 09:33:01 | 0.087                     |
| 5966       | 09/25/2008 | 09:33:02 | 0.082                     |
| 5967       | 09/25/2008 | 09:33:03 | 0.081                     |
| 5968       | 09/25/2008 | 09:33:04 | 0.081                     |
| 5969       | 09/25/2008 | 09:33:05 | 0.093                     |
| 5970       | 09/25/2008 | 09:33:06 | 0.082                     |
| 5971       | 09/25/2008 | 09:33:07 | 0.083                     |
| 5972       | 09/25/2008 | 09:33:08 | 0.080                     |
| 5973       | 09/25/2008 | 09:33:09 | 0.104                     |
| 5974       | 09/25/2008 | 09:33:10 | 0.145                     |
| 5975       | 09/25/2008 | 09:33:11 | 0.103                     |
| 5976       | 09/25/2008 | 09:33:12 | 0.080                     |
| 5977       | 09/25/2008 | 09:33:13 | 0.096                     |
| 5978       | 09/25/2008 | 09:33:14 | 0.098                     |
| 5979       | 09/25/2008 | 09:33:15 | 0.079                     |
| 5980       | 09/25/2008 | 09:33:16 | 0.079                     |
| 5981       | 09/25/2008 | 09:33:17 | 0.088                     |
| 5982       | 09/25/2008 | 09:33:18 | 0.075                     |
| 5983       | 09/25/2008 | 09:33:19 | 0.133                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 5984       | 09/25/2008 | 09:33:20 | 0.079                     |
| 5985       | 09/25/2008 | 09:33:21 | 0.083                     |
| 5986       | 09/25/2008 | 09:33:22 | 0.088                     |
| 5987       | 09/25/2008 | 09:33:23 | 0.082                     |
| 5988       | 09/25/2008 | 09:33:24 | 0.080                     |
| 5989       | 09/25/2008 | 09:33:25 | 0.074                     |
| 5990       | 09/25/2008 | 09:33:26 | 0.084                     |
| 5991       | 09/25/2008 | 09:33:27 | 0.096                     |
| 5992       | 09/25/2008 | 09:33:28 | 0.079                     |
| 5993       | 09/25/2008 | 09:33:29 | 0.079                     |
| 5994       | 09/25/2008 | 09:33:30 | 0.087                     |
| 5995       | 09/25/2008 | 09:33:31 | 0.078                     |
| 5996       | 09/25/2008 | 09:33:32 | 0.078                     |
| 5997       | 09/25/2008 | 09:33:33 | 0.081                     |
| 5998       | 09/25/2008 | 09:33:34 | 0.108                     |
| 5999       | 09/25/2008 | 09:33:35 | 0.115                     |
| 6000       | 09/25/2008 | 09:33:36 | 0.085                     |
| 6001       | 09/25/2008 | 09:33:37 | 0.126                     |
| 6002       | 09/25/2008 | 09:33:38 | 0.088                     |
| 6003       | 09/25/2008 | 09:33:39 | 0.085                     |
| 6004       | 09/25/2008 | 09:33:40 | 0.078                     |
| 6005       | 09/25/2008 | 09:33:41 | 0.082                     |
| 6006       | 09/25/2008 | 09:33:42 | 0.088                     |
| 6007       | 09/25/2008 | 09:33:43 | 0.083                     |
| 6008       | 09/25/2008 | 09:33:44 | 0.113                     |
| 6009       | 09/25/2008 | 09:33:45 | 0.084                     |
| 6010       | 09/25/2008 | 09:33:46 | 0.089                     |
| 6011       | 09/25/2008 | 09:33:47 | 0.084                     |
| 6012       | 09/25/2008 | 09:33:48 | 0.092                     |
| 6013       | 09/25/2008 | 09:33:49 | 0.110                     |
| 6014       | 09/25/2008 | 09:33:50 | 0.088                     |
| 6015       | 09/25/2008 | 09:33:51 | 0.094                     |
| 6016       | 09/25/2008 | 09:33:52 | 0.084                     |
| 6017       | 09/25/2008 | 09:33:53 | 0.083                     |
| 6018       | 09/25/2008 | 09:33:54 | 0.082                     |
| 6019       | 09/25/2008 | 09:33:55 | 0.082                     |
| 6020       | 09/25/2008 | 09:33:56 | 0.089                     |
| 6021       | 09/25/2008 | 09:33:57 | 0.084                     |
| 6022       | 09/25/2008 | 09:33:58 | 0.082                     |
| 6023       | 09/25/2008 | 09:33:59 | 0.083                     |
| 6024       | 09/25/2008 | 09:34:00 | 0.097                     |
| 6025       | 09/25/2008 | 09:34:01 | 0.084                     |
| 6026       | 09/25/2008 | 09:34:02 | 0.085                     |
| 6027       | 09/25/2008 | 09:34:03 | 0.084                     |
| 6028       | 09/25/2008 | 09:34:04 | 0.087                     |
| 6029       | 09/25/2008 | 09:34:05 | 0.083                     |
| 6030       | 09/25/2008 | 09:34:06 | 0.081                     |
| 6031       | 09/25/2008 | 09:34:07 | 0.092                     |
| 6032       | 09/25/2008 | 09:34:08 | 0.121                     |
| 6033       | 09/25/2008 | 09:34:09 | 0.086                     |
| 6034       | 09/25/2008 | 09:34:10 | 0.093                     |
| 6035       | 09/25/2008 | 09:34:11 | 0.085                     |
| 6036       | 09/25/2008 | 09:34:12 | 0.081                     |
| 6037       | 09/25/2008 | 09:34:13 | 0.090                     |
| 6038       | 09/25/2008 | 09:34:14 | 0.087                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 6039       | 09/25/2008 | 09:34:15 | 0.092                     |
| 6040       | 09/25/2008 | 09:34:16 | 0.089                     |
| 6041       | 09/25/2008 | 09:34:17 | 0.078                     |
| 6042       | 09/25/2008 | 09:34:18 | 0.079                     |
| 6043       | 09/25/2008 | 09:34:19 | 0.081                     |
| 6044       | 09/25/2008 | 09:34:20 | 0.084                     |
| 6045       | 09/25/2008 | 09:34:21 | 0.077                     |
| 6046       | 09/25/2008 | 09:34:22 | 0.079                     |
| 6047       | 09/25/2008 | 09:34:23 | 0.089                     |
| 6048       | 09/25/2008 | 09:34:24 | 0.086                     |
| 6049       | 09/25/2008 | 09:34:25 | 0.079                     |
| 6050       | 09/25/2008 | 09:34:26 | 0.091                     |
| 6051       | 09/25/2008 | 09:34:27 | 0.086                     |
| 6052       | 09/25/2008 | 09:34:28 | 0.099                     |
| 6053       | 09/25/2008 | 09:34:29 | 0.087                     |
| 6054       | 09/25/2008 | 09:34:30 | 0.087                     |
| 6055       | 09/25/2008 | 09:34:31 | 0.079                     |
| 6056       | 09/25/2008 | 09:34:32 | 0.110                     |
| 6057       | 09/25/2008 | 09:34:33 | 0.078                     |
| 6058       | 09/25/2008 | 09:34:34 | 0.082                     |
| 6059       | 09/25/2008 | 09:34:35 | 0.075                     |
| 6060       | 09/25/2008 | 09:34:36 | 0.080                     |
| 6061       | 09/25/2008 | 09:34:37 | 0.083                     |
| 6062       | 09/25/2008 | 09:34:38 | 0.081                     |
| 6063       | 09/25/2008 | 09:34:39 | 0.074                     |
| 6064       | 09/25/2008 | 09:34:40 | 0.121                     |
| 6065       | 09/25/2008 | 09:34:41 | 0.078                     |
| 6066       | 09/25/2008 | 09:34:42 | 0.075                     |
| 6067       | 09/25/2008 | 09:34:43 | 0.082                     |
| 6068       | 09/25/2008 | 09:34:44 | 0.095                     |
| 6069       | 09/25/2008 | 09:34:45 | 0.081                     |
| 6070       | 09/25/2008 | 09:34:46 | 0.082                     |
| 6071       | 09/25/2008 | 09:34:47 | 0.076                     |
| 6072       | 09/25/2008 | 09:34:48 | 0.078                     |
| 6073       | 09/25/2008 | 09:34:49 | 0.091                     |
| 6074       | 09/25/2008 | 09:34:50 | 0.096                     |
| 6075       | 09/25/2008 | 09:34:51 | 0.082                     |
| 6076       | 09/25/2008 | 09:34:52 | 0.075                     |
| 6077       | 09/25/2008 | 09:34:53 | 0.079                     |
| 6078       | 09/25/2008 | 09:34:54 | 0.119                     |
| 6079       | 09/25/2008 | 09:34:55 | 0.082                     |
| 6080       | 09/25/2008 | 09:34:56 | 0.101                     |
| 6081       | 09/25/2008 | 09:34:57 | 0.086                     |
| 6082       | 09/25/2008 | 09:34:58 | 0.089                     |
| 6083       | 09/25/2008 | 09:34:59 | 0.074                     |
| 6084       | 09/25/2008 | 09:35:00 | 0.080                     |
| 6085       | 09/25/2008 | 09:35:01 | 0.082                     |
| 6086       | 09/25/2008 | 09:35:02 | 0.084                     |
| 6087       | 09/25/2008 | 09:35:03 | 0.092                     |
| 6088       | 09/25/2008 | 09:35:04 | 0.077                     |
| 6089       | 09/25/2008 | 09:35:05 | 0.100                     |
| 6090       | 09/25/2008 | 09:35:06 | 0.087                     |
| 6091       | 09/25/2008 | 09:35:07 | 0.079                     |
| 6092       | 09/25/2008 | 09:35:08 | 0.093                     |
| 6093       | 09/25/2008 | 09:35:09 | 0.101                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 6094       | 09/25/2008 | 09:35:10 | 0.085                     |
| 6095       | 09/25/2008 | 09:35:11 | 0.075                     |
| 6096       | 09/25/2008 | 09:35:12 | 0.084                     |
| 6097       | 09/25/2008 | 09:35:13 | 0.079                     |
| 6098       | 09/25/2008 | 09:35:14 | 0.080                     |
| 6099       | 09/25/2008 | 09:35:15 | 0.092                     |
| 6100       | 09/25/2008 | 09:35:16 | 0.082                     |
| 6101       | 09/25/2008 | 09:35:17 | 0.099                     |
| 6102       | 09/25/2008 | 09:35:18 | 0.086                     |
| 6103       | 09/25/2008 | 09:35:19 | 0.087                     |
| 6104       | 09/25/2008 | 09:35:20 | 0.081                     |
| 6105       | 09/25/2008 | 09:35:21 | 0.105                     |
| 6106       | 09/25/2008 | 09:35:22 | 0.080                     |
| 6107       | 09/25/2008 | 09:35:23 | 0.080                     |
| 6108       | 09/25/2008 | 09:35:24 | 0.085                     |
| 6109       | 09/25/2008 | 09:35:25 | 0.091                     |
| 6110       | 09/25/2008 | 09:35:26 | 0.087                     |
| 6111       | 09/25/2008 | 09:35:27 | 0.085                     |
| 6112       | 09/25/2008 | 09:35:28 | 0.081                     |
| 6113       | 09/25/2008 | 09:35:29 | 0.115                     |
| 6114       | 09/25/2008 | 09:35:30 | 0.116                     |
| 6115       | 09/25/2008 | 09:35:31 | 0.155                     |
| 6116       | 09/25/2008 | 09:35:32 | 0.085                     |
| 6117       | 09/25/2008 | 09:35:33 | 0.081                     |
| 6118       | 09/25/2008 | 09:35:34 | 0.085                     |
| 6119       | 09/25/2008 | 09:35:35 | 0.078                     |
| 6120       | 09/25/2008 | 09:35:36 | 0.077                     |
| 6121       | 09/25/2008 | 09:35:37 | 0.085                     |
| 6122       | 09/25/2008 | 09:35:38 | 0.094                     |
| 6123       | 09/25/2008 | 09:35:39 | 0.090                     |
| 6124       | 09/25/2008 | 09:35:40 | 0.091                     |
| 6125       | 09/25/2008 | 09:35:41 | 0.093                     |
| 6126       | 09/25/2008 | 09:35:42 | 0.084                     |
| 6127       | 09/25/2008 | 09:35:43 | 0.088                     |
| 6128       | 09/25/2008 | 09:35:44 | 0.088                     |
| 6129       | 09/25/2008 | 09:35:45 | 0.088                     |
| 6130       | 09/25/2008 | 09:35:46 | 0.093                     |
| 6131       | 09/25/2008 | 09:35:47 | 0.081                     |
| 6132       | 09/25/2008 | 09:35:48 | 0.079                     |
| 6133       | 09/25/2008 | 09:35:49 | 0.076                     |
| 6134       | 09/25/2008 | 09:35:50 | 0.090                     |
| 6135       | 09/25/2008 | 09:35:51 | 0.086                     |
| 6136       | 09/25/2008 | 09:35:52 | 0.080                     |
| 6137       | 09/25/2008 | 09:35:53 | 0.083                     |
| 6138       | 09/25/2008 | 09:35:54 | 0.080                     |
| 6139       | 09/25/2008 | 09:35:55 | 0.093                     |
| 6140       | 09/25/2008 | 09:35:56 | 0.080                     |
| 6141       | 09/25/2008 | 09:35:57 | 0.094                     |
| 6142       | 09/25/2008 | 09:35:58 | 0.084                     |
| 6143       | 09/25/2008 | 09:35:59 | 0.117                     |
| 6144       | 09/25/2008 | 09:36:00 | 0.083                     |
| 6145       | 09/25/2008 | 09:36:01 | 0.082                     |
| 6146       | 09/25/2008 | 09:36:02 | 0.084                     |
| 6147       | 09/25/2008 | 09:36:03 | 0.083                     |
| 6148       | 09/25/2008 | 09:36:04 | 0.080                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 6149       | 09/25/2008 | 09:36:05 | 0.075                     |
| 6150       | 09/25/2008 | 09:36:06 | 0.100                     |
| 6151       | 09/25/2008 | 09:36:07 | 0.112                     |
| 6152       | 09/25/2008 | 09:36:08 | 0.103                     |
| 6153       | 09/25/2008 | 09:36:09 | 0.081                     |
| 6154       | 09/25/2008 | 09:36:10 | 0.103                     |
| 6155       | 09/25/2008 | 09:36:11 | 0.088                     |
| 6156       | 09/25/2008 | 09:36:12 | 0.087                     |
| 6157       | 09/25/2008 | 09:36:13 | 0.098                     |
| 6158       | 09/25/2008 | 09:36:14 | 0.107                     |
| 6159       | 09/25/2008 | 09:36:15 | 0.084                     |
| 6160       | 09/25/2008 | 09:36:16 | 0.077                     |
| 6161       | 09/25/2008 | 09:36:17 | 0.084                     |
| 6162       | 09/25/2008 | 09:36:18 | 0.087                     |
| 6163       | 09/25/2008 | 09:36:19 | 0.093                     |
| 6164       | 09/25/2008 | 09:36:20 | 0.102                     |
| 6165       | 09/25/2008 | 09:36:21 | 0.079                     |
| 6166       | 09/25/2008 | 09:36:22 | 0.093                     |
| 6167       | 09/25/2008 | 09:36:23 | 0.115                     |
| 6168       | 09/25/2008 | 09:36:24 | 0.114                     |
| 6169       | 09/25/2008 | 09:36:25 | 0.138                     |
| 6170       | 09/25/2008 | 09:36:26 | 0.085                     |
| 6171       | 09/25/2008 | 09:36:27 | 0.079                     |
| 6172       | 09/25/2008 | 09:36:28 | 0.083                     |
| 6173       | 09/25/2008 | 09:36:29 | 0.085                     |
| 6174       | 09/25/2008 | 09:36:30 | 0.091                     |
| 6175       | 09/25/2008 | 09:36:31 | 0.077                     |
| 6176       | 09/25/2008 | 09:36:32 | 0.093                     |
| 6177       | 09/25/2008 | 09:36:33 | 0.081                     |
| 6178       | 09/25/2008 | 09:36:34 | 0.085                     |
| 6179       | 09/25/2008 | 09:36:35 | 0.087                     |
| 6180       | 09/25/2008 | 09:36:36 | 0.088                     |
| 6181       | 09/25/2008 | 09:36:37 | 0.090                     |
| 6182       | 09/25/2008 | 09:36:38 | 0.127                     |
| 6183       | 09/25/2008 | 09:36:39 | 0.085                     |
| 6184       | 09/25/2008 | 09:36:40 | 0.085                     |
| 6185       | 09/25/2008 | 09:36:41 | 0.087                     |
| 6186       | 09/25/2008 | 09:36:42 | 0.078                     |
| 6187       | 09/25/2008 | 09:36:43 | 0.107                     |
| 6188       | 09/25/2008 | 09:36:44 | 0.091                     |
| 6189       | 09/25/2008 | 09:36:45 | 0.090                     |
| 6190       | 09/25/2008 | 09:36:46 | 0.084                     |
| 6191       | 09/25/2008 | 09:36:47 | 0.087                     |
| 6192       | 09/25/2008 | 09:36:48 | 0.097                     |
| 6193       | 09/25/2008 | 09:36:49 | 0.100                     |
| 6194       | 09/25/2008 | 09:36:50 | 0.080                     |
| 6195       | 09/25/2008 | 09:36:51 | 0.082                     |
| 6196       | 09/25/2008 | 09:36:52 | 0.093                     |
| 6197       | 09/25/2008 | 09:36:53 | 0.078                     |
| 6198       | 09/25/2008 | 09:36:54 | 0.085                     |
| 6199       | 09/25/2008 | 09:36:55 | 0.085                     |
| 6200       | 09/25/2008 | 09:36:56 | 0.078                     |
| 6201       | 09/25/2008 | 09:36:57 | 0.082                     |
| 6202       | 09/25/2008 | 09:36:58 | 0.088                     |
| 6203       | 09/25/2008 | 09:36:59 | 0.082                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 6204       | 09/25/2008 | 09:37:00 | 0.077                     |
| 6205       | 09/25/2008 | 09:37:01 | 0.078                     |
| 6206       | 09/25/2008 | 09:37:02 | 0.080                     |
| 6207       | 09/25/2008 | 09:37:03 | 0.088                     |
| 6208       | 09/25/2008 | 09:37:04 | 0.082                     |
| 6209       | 09/25/2008 | 09:37:05 | 0.081                     |
| 6210       | 09/25/2008 | 09:37:06 | 0.094                     |
| 6211       | 09/25/2008 | 09:37:07 | 0.088                     |
| 6212       | 09/25/2008 | 09:37:08 | 0.078                     |
| 6213       | 09/25/2008 | 09:37:09 | 0.089                     |
| 6214       | 09/25/2008 | 09:37:10 | 0.089                     |
| 6215       | 09/25/2008 | 09:37:11 | 0.082                     |
| 6216       | 09/25/2008 | 09:37:12 | 0.097                     |
| 6217       | 09/25/2008 | 09:37:13 | 0.077                     |
| 6218       | 09/25/2008 | 09:37:14 | 0.089                     |
| 6219       | 09/25/2008 | 09:37:15 | 0.086                     |
| 6220       | 09/25/2008 | 09:37:16 | 0.080                     |
| 6221       | 09/25/2008 | 09:37:17 | 0.080                     |
| 6222       | 09/25/2008 | 09:37:18 | 0.087                     |
| 6223       | 09/25/2008 | 09:37:19 | 0.093                     |
| 6224       | 09/25/2008 | 09:37:20 | 0.083                     |
| 6225       | 09/25/2008 | 09:37:21 | 0.080                     |
| 6226       | 09/25/2008 | 09:37:22 | 0.078                     |
| 6227       | 09/25/2008 | 09:37:23 | 0.077                     |
| 6228       | 09/25/2008 | 09:37:24 | 0.084                     |
| 6229       | 09/25/2008 | 09:37:25 | 0.100                     |
| 6230       | 09/25/2008 | 09:37:26 | 0.093                     |
| 6231       | 09/25/2008 | 09:37:27 | 0.085                     |
| 6232       | 09/25/2008 | 09:37:28 | 0.083                     |
| 6233       | 09/25/2008 | 09:37:29 | 0.088                     |
| 6234       | 09/25/2008 | 09:37:30 | 0.085                     |
| 6235       | 09/25/2008 | 09:37:31 | 0.092                     |
| 6236       | 09/25/2008 | 09:37:32 | 0.090                     |
| 6237       | 09/25/2008 | 09:37:33 | 0.085                     |
| 6238       | 09/25/2008 | 09:37:34 | 0.077                     |
| 6239       | 09/25/2008 | 09:37:35 | 0.078                     |
| 6240       | 09/25/2008 | 09:37:36 | 0.082                     |
| 6241       | 09/25/2008 | 09:37:37 | 0.081                     |
| 6242       | 09/25/2008 | 09:37:38 | 0.076                     |
| 6243       | 09/25/2008 | 09:37:39 | 0.083                     |
| 6244       | 09/25/2008 | 09:37:40 | 0.081                     |
| 6245       | 09/25/2008 | 09:37:41 | 0.082                     |
| 6246       | 09/25/2008 | 09:37:42 | 0.114                     |
| 6247       | 09/25/2008 | 09:37:43 | 0.094                     |
| 6248       | 09/25/2008 | 09:37:44 | 0.088                     |
| 6249       | 09/25/2008 | 09:37:45 | 0.087                     |
| 6250       | 09/25/2008 | 09:37:46 | 0.079                     |
| 6251       | 09/25/2008 | 09:37:47 | 0.105                     |
| 6252       | 09/25/2008 | 09:37:48 | 0.084                     |
| 6253       | 09/25/2008 | 09:37:49 | 0.082                     |
| 6254       | 09/25/2008 | 09:37:50 | 0.085                     |
| 6255       | 09/25/2008 | 09:37:51 | 0.080                     |
| 6256       | 09/25/2008 | 09:37:52 | 0.085                     |
| 6257       | 09/25/2008 | 09:37:53 | 0.083                     |
| 6258       | 09/25/2008 | 09:37:54 | 0.084                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 6259       | 09/25/2008 | 09:37:55 | 0.094                     |
| 6260       | 09/25/2008 | 09:37:56 | 0.081                     |
| 6261       | 09/25/2008 | 09:37:57 | 0.074                     |
| 6262       | 09/25/2008 | 09:37:58 | 0.100                     |
| 6263       | 09/25/2008 | 09:37:59 | 0.086                     |
| 6264       | 09/25/2008 | 09:38:00 | 0.080                     |
| 6265       | 09/25/2008 | 09:38:01 | 0.086                     |
| 6266       | 09/25/2008 | 09:38:02 | 0.080                     |
| 6267       | 09/25/2008 | 09:38:03 | 0.081                     |
| 6268       | 09/25/2008 | 09:38:04 | 0.084                     |
| 6269       | 09/25/2008 | 09:38:05 | 0.084                     |
| 6270       | 09/25/2008 | 09:38:06 | 0.118                     |
| 6271       | 09/25/2008 | 09:38:07 | 0.074                     |
| 6272       | 09/25/2008 | 09:38:08 | 0.128                     |
| 6273       | 09/25/2008 | 09:38:09 | 0.082                     |
| 6274       | 09/25/2008 | 09:38:10 | 0.083                     |
| 6275       | 09/25/2008 | 09:38:11 | 0.082                     |
| 6276       | 09/25/2008 | 09:38:12 | 0.087                     |
| 6277       | 09/25/2008 | 09:38:13 | 0.088                     |
| 6278       | 09/25/2008 | 09:38:14 | 0.079                     |
| 6279       | 09/25/2008 | 09:38:15 | 0.086                     |
| 6280       | 09/25/2008 | 09:38:16 | 0.088                     |
| 6281       | 09/25/2008 | 09:38:17 | 0.091                     |
| 6282       | 09/25/2008 | 09:38:18 | 0.090                     |
| 6283       | 09/25/2008 | 09:38:19 | 0.091                     |
| 6284       | 09/25/2008 | 09:38:20 | 0.093                     |
| 6285       | 09/25/2008 | 09:38:21 | 0.092                     |
| 6286       | 09/25/2008 | 09:38:22 | 0.098                     |
| 6287       | 09/25/2008 | 09:38:23 | 0.081                     |
| 6288       | 09/25/2008 | 09:38:24 | 0.078                     |
| 6289       | 09/25/2008 | 09:38:25 | 0.089                     |
| 6290       | 09/25/2008 | 09:38:26 | 0.112                     |
| 6291       | 09/25/2008 | 09:38:27 | 0.104                     |
| 6292       | 09/25/2008 | 09:38:28 | 0.081                     |
| 6293       | 09/25/2008 | 09:38:29 | 0.081                     |
| 6294       | 09/25/2008 | 09:38:30 | 0.083                     |
| 6295       | 09/25/2008 | 09:38:31 | 0.100                     |
| 6296       | 09/25/2008 | 09:38:32 | 0.073                     |
| 6297       | 09/25/2008 | 09:38:33 | 0.081                     |
| 6298       | 09/25/2008 | 09:38:34 | 0.103                     |
| 6299       | 09/25/2008 | 09:38:35 | 0.075                     |
| 6300       | 09/25/2008 | 09:38:36 | 0.096                     |
| 6301       | 09/25/2008 | 09:38:37 | 0.091                     |
| 6302       | 09/25/2008 | 09:38:38 | 0.077                     |
| 6303       | 09/25/2008 | 09:38:39 | 0.079                     |
| 6304       | 09/25/2008 | 09:38:40 | 0.080                     |
| 6305       | 09/25/2008 | 09:38:41 | 0.081                     |
| 6306       | 09/25/2008 | 09:38:42 | 0.083                     |
| 6307       | 09/25/2008 | 09:38:43 | 0.076                     |
| 6308       | 09/25/2008 | 09:38:44 | 0.163                     |
| 6309       | 09/25/2008 | 09:38:45 | 0.093                     |
| 6310       | 09/25/2008 | 09:38:46 | 0.087                     |
| 6311       | 09/25/2008 | 09:38:47 | 0.104                     |
| 6312       | 09/25/2008 | 09:38:48 | 0.089                     |
| 6313       | 09/25/2008 | 09:38:49 | 0.084                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 6314       | 09/25/2008 | 09:38:50 | 0.082                     |
| 6315       | 09/25/2008 | 09:38:51 | 0.090                     |
| 6316       | 09/25/2008 | 09:38:52 | 0.087                     |
| 6317       | 09/25/2008 | 09:38:53 | 0.081                     |
| 6318       | 09/25/2008 | 09:38:54 | 0.078                     |
| 6319       | 09/25/2008 | 09:38:55 | 0.085                     |
| 6320       | 09/25/2008 | 09:38:56 | 0.080                     |
| 6321       | 09/25/2008 | 09:38:57 | 0.082                     |
| 6322       | 09/25/2008 | 09:38:58 | 0.084                     |
| 6323       | 09/25/2008 | 09:38:59 | 0.078                     |
| 6324       | 09/25/2008 | 09:39:00 | 0.105                     |
| 6325       | 09/25/2008 | 09:39:01 | 0.095                     |
| 6326       | 09/25/2008 | 09:39:02 | 0.074                     |
| 6327       | 09/25/2008 | 09:39:03 | 0.085                     |
| 6328       | 09/25/2008 | 09:39:04 | 0.082                     |
| 6329       | 09/25/2008 | 09:39:05 | 0.075                     |
| 6330       | 09/25/2008 | 09:39:06 | 0.088                     |
| 6331       | 09/25/2008 | 09:39:07 | 0.086                     |
| 6332       | 09/25/2008 | 09:39:08 | 0.075                     |
| 6333       | 09/25/2008 | 09:39:09 | 0.077                     |
| 6334       | 09/25/2008 | 09:39:10 | 0.073                     |
| 6335       | 09/25/2008 | 09:39:11 | 0.080                     |
| 6336       | 09/25/2008 | 09:39:12 | 0.077                     |
| 6337       | 09/25/2008 | 09:39:13 | 0.082                     |
| 6338       | 09/25/2008 | 09:39:14 | 0.078                     |
| 6339       | 09/25/2008 | 09:39:15 | 0.083                     |
| 6340       | 09/25/2008 | 09:39:16 | 0.091                     |
| 6341       | 09/25/2008 | 09:39:17 | 0.078                     |
| 6342       | 09/25/2008 | 09:39:18 | 0.074                     |
| 6343       | 09/25/2008 | 09:39:19 | 0.077                     |
| 6344       | 09/25/2008 | 09:39:20 | 0.080                     |
| 6345       | 09/25/2008 | 09:39:21 | 0.077                     |
| 6346       | 09/25/2008 | 09:39:22 | 0.085                     |
| 6347       | 09/25/2008 | 09:39:23 | 0.089                     |
| 6348       | 09/25/2008 | 09:39:24 | 0.076                     |
| 6349       | 09/25/2008 | 09:39:25 | 0.079                     |
| 6350       | 09/25/2008 | 09:39:26 | 0.074                     |
| 6351       | 09/25/2008 | 09:39:27 | 0.082                     |
| 6352       | 09/25/2008 | 09:39:28 | 0.081                     |
| 6353       | 09/25/2008 | 09:39:29 | 0.080                     |
| 6354       | 09/25/2008 | 09:39:30 | 0.084                     |
| 6355       | 09/25/2008 | 09:39:31 | 0.078                     |
| 6356       | 09/25/2008 | 09:39:32 | 0.075                     |
| 6357       | 09/25/2008 | 09:39:33 | 0.074                     |
| 6358       | 09/25/2008 | 09:39:34 | 0.091                     |
| 6359       | 09/25/2008 | 09:39:35 | 0.076                     |
| 6360       | 09/25/2008 | 09:39:36 | 0.120                     |
| 6361       | 09/25/2008 | 09:39:37 | 0.073                     |
| 6362       | 09/25/2008 | 09:39:38 | 0.076                     |
| 6363       | 09/25/2008 | 09:39:39 | 0.072                     |
| 6364       | 09/25/2008 | 09:39:40 | 0.084                     |
| 6365       | 09/25/2008 | 09:39:41 | 0.074                     |
| 6366       | 09/25/2008 | 09:39:42 | 0.079                     |
| 6367       | 09/25/2008 | 09:39:43 | 0.078                     |
| 6368       | 09/25/2008 | 09:39:44 | 0.074                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 6369       | 09/25/2008 | 09:39:45 | 0.083                     |
| 6370       | 09/25/2008 | 09:39:46 | 0.082                     |
| 6371       | 09/25/2008 | 09:39:47 | 0.079                     |
| 6372       | 09/25/2008 | 09:39:48 | 0.077                     |
| 6373       | 09/25/2008 | 09:39:49 | 0.086                     |
| 6374       | 09/25/2008 | 09:39:50 | 0.087                     |
| 6375       | 09/25/2008 | 09:39:51 | 0.085                     |
| 6376       | 09/25/2008 | 09:39:52 | 0.082                     |
| 6377       | 09/25/2008 | 09:39:53 | 0.073                     |
| 6378       | 09/25/2008 | 09:39:54 | 0.075                     |
| 6379       | 09/25/2008 | 09:39:55 | 0.076                     |
| 6380       | 09/25/2008 | 09:39:56 | 0.093                     |
| 6381       | 09/25/2008 | 09:39:57 | 0.133                     |
| 6382       | 09/25/2008 | 09:39:58 | 0.072                     |
| 6383       | 09/25/2008 | 09:39:59 | 0.070                     |
| 6384       | 09/25/2008 | 09:40:00 | 0.100                     |
| 6385       | 09/25/2008 | 09:40:01 | 0.075                     |
| 6386       | 09/25/2008 | 09:40:02 | 0.072                     |
| 6387       | 09/25/2008 | 09:40:03 | 0.079                     |
| 6388       | 09/25/2008 | 09:40:04 | 0.083                     |
| 6389       | 09/25/2008 | 09:40:05 | 0.074                     |
| 6390       | 09/25/2008 | 09:40:06 | 0.078                     |
| 6391       | 09/25/2008 | 09:40:07 | 0.086                     |
| 6392       | 09/25/2008 | 09:40:08 | 0.071                     |
| 6393       | 09/25/2008 | 09:40:09 | 0.078                     |
| 6394       | 09/25/2008 | 09:40:10 | 0.132                     |
| 6395       | 09/25/2008 | 09:40:11 | 0.079                     |
| 6396       | 09/25/2008 | 09:40:12 | 0.071                     |
| 6397       | 09/25/2008 | 09:40:13 | 0.082                     |
| 6398       | 09/25/2008 | 09:40:14 | 0.073                     |
| 6399       | 09/25/2008 | 09:40:15 | 0.086                     |
| 6400       | 09/25/2008 | 09:40:16 | 0.099                     |
| 6401       | 09/25/2008 | 09:40:17 | 0.087                     |
| 6402       | 09/25/2008 | 09:40:18 | 0.093                     |
| 6403       | 09/25/2008 | 09:40:19 | 0.080                     |
| 6404       | 09/25/2008 | 09:40:20 | 0.081                     |
| 6405       | 09/25/2008 | 09:40:21 | 0.084                     |
| 6406       | 09/25/2008 | 09:40:22 | 0.078                     |
| 6407       | 09/25/2008 | 09:40:23 | 0.097                     |
| 6408       | 09/25/2008 | 09:40:24 | 0.085                     |
| 6409       | 09/25/2008 | 09:40:25 | 0.216                     |
| 6410       | 09/25/2008 | 09:40:26 | 0.082                     |
| 6411       | 09/25/2008 | 09:40:27 | 0.079                     |
| 6412       | 09/25/2008 | 09:40:28 | 0.077                     |
| 6413       | 09/25/2008 | 09:40:29 | 0.087                     |
| 6414       | 09/25/2008 | 09:40:30 | 0.081                     |
| 6415       | 09/25/2008 | 09:40:31 | 0.086                     |
| 6416       | 09/25/2008 | 09:40:32 | 0.093                     |
| 6417       | 09/25/2008 | 09:40:33 | 0.079                     |
| 6418       | 09/25/2008 | 09:40:34 | 0.094                     |
| 6419       | 09/25/2008 | 09:40:35 | 0.080                     |
| 6420       | 09/25/2008 | 09:40:36 | 0.080                     |
| 6421       | 09/25/2008 | 09:40:37 | 0.127                     |
| 6422       | 09/25/2008 | 09:40:38 | 0.089                     |
| 6423       | 09/25/2008 | 09:40:39 | 0.087                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 6424       | 09/25/2008 | 09:40:40 | 0.075                     |
| 6425       | 09/25/2008 | 09:40:41 | 0.081                     |
| 6426       | 09/25/2008 | 09:40:42 | 0.080                     |
| 6427       | 09/25/2008 | 09:40:43 | 0.083                     |
| 6428       | 09/25/2008 | 09:40:44 | 0.077                     |
| 6429       | 09/25/2008 | 09:40:45 | 0.082                     |
| 6430       | 09/25/2008 | 09:40:46 | 0.076                     |
| 6431       | 09/25/2008 | 09:40:47 | 0.077                     |
| 6432       | 09/25/2008 | 09:40:48 | 0.082                     |
| 6433       | 09/25/2008 | 09:40:49 | 0.075                     |
| 6434       | 09/25/2008 | 09:40:50 | 0.083                     |
| 6435       | 09/25/2008 | 09:40:51 | 0.095                     |
| 6436       | 09/25/2008 | 09:40:52 | 0.098                     |
| 6437       | 09/25/2008 | 09:40:53 | 0.077                     |
| 6438       | 09/25/2008 | 09:40:54 | 0.109                     |
| 6439       | 09/25/2008 | 09:40:55 | 0.093                     |
| 6440       | 09/25/2008 | 09:40:56 | 0.077                     |
| 6441       | 09/25/2008 | 09:40:57 | 1.490                     |
| 6442       | 09/25/2008 | 09:40:58 | 0.124                     |
| 6443       | 09/25/2008 | 09:40:59 | 0.082                     |
| 6444       | 09/25/2008 | 09:41:00 | 0.082                     |
| 6445       | 09/25/2008 | 09:41:01 | 0.092                     |
| 6446       | 09/25/2008 | 09:41:02 | 0.084                     |
| 6447       | 09/25/2008 | 09:41:03 | 0.081                     |
| 6448       | 09/25/2008 | 09:41:04 | 0.200                     |
| 6449       | 09/25/2008 | 09:41:05 | 0.106                     |
| 6450       | 09/25/2008 | 09:41:06 | 0.099                     |
| 6451       | 09/25/2008 | 09:41:07 | 0.099                     |
| 6452       | 09/25/2008 | 09:41:08 | 0.082                     |
| 6453       | 09/25/2008 | 09:41:09 | 0.080                     |
| 6454       | 09/25/2008 | 09:41:10 | 0.079                     |
| 6455       | 09/25/2008 | 09:41:11 | 0.074                     |
| 6456       | 09/25/2008 | 09:41:12 | 0.074                     |
| 6457       | 09/25/2008 | 09:41:13 | 0.075                     |
| 6458       | 09/25/2008 | 09:41:14 | 0.079                     |
| 6459       | 09/25/2008 | 09:41:15 | 0.080                     |
| 6460       | 09/25/2008 | 09:41:16 | 0.083                     |
| 6461       | 09/25/2008 | 09:41:17 | 0.072                     |
| 6462       | 09/25/2008 | 09:41:18 | 0.077                     |
| 6463       | 09/25/2008 | 09:41:19 | 0.090                     |
| 6464       | 09/25/2008 | 09:41:20 | 0.078                     |
| 6465       | 09/25/2008 | 09:41:21 | 0.087                     |
| 6466       | 09/25/2008 | 09:41:22 | 0.097                     |
| 6467       | 09/25/2008 | 09:41:23 | 0.075                     |
| 6468       | 09/25/2008 | 09:41:24 | 0.079                     |
| 6469       | 09/25/2008 | 09:41:25 | 0.077                     |
| 6470       | 09/25/2008 | 09:41:26 | 0.096                     |
| 6471       | 09/25/2008 | 09:41:27 | 0.076                     |
| 6472       | 09/25/2008 | 09:41:28 | 0.080                     |
| 6473       | 09/25/2008 | 09:41:29 | 0.077                     |
| 6474       | 09/25/2008 | 09:41:30 | 0.089                     |
| 6475       | 09/25/2008 | 09:41:31 | 0.075                     |
| 6476       | 09/25/2008 | 09:41:32 | 0.077                     |
| 6477       | 09/25/2008 | 09:41:33 | 0.072                     |
| 6478       | 09/25/2008 | 09:41:34 | 0.116                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 6479       | 09/25/2008 | 09:41:35 | 0.079                     |
| 6480       | 09/25/2008 | 09:41:36 | 0.095                     |
| 6481       | 09/25/2008 | 09:41:37 | 0.088                     |
| 6482       | 09/25/2008 | 09:41:38 | 0.078                     |
| 6483       | 09/25/2008 | 09:41:39 | 0.072                     |
| 6484       | 09/25/2008 | 09:41:40 | 0.079                     |
| 6485       | 09/25/2008 | 09:41:41 | 0.075                     |
| 6486       | 09/25/2008 | 09:41:42 | 0.088                     |
| 6487       | 09/25/2008 | 09:41:43 | 0.083                     |
| 6488       | 09/25/2008 | 09:41:44 | 0.071                     |
| 6489       | 09/25/2008 | 09:41:45 | 0.076                     |
| 6490       | 09/25/2008 | 09:41:46 | 0.080                     |
| 6491       | 09/25/2008 | 09:41:47 | 0.079                     |
| 6492       | 09/25/2008 | 09:41:48 | 0.076                     |
| 6493       | 09/25/2008 | 09:41:49 | 0.076                     |
| 6494       | 09/25/2008 | 09:41:50 | 0.073                     |
| 6495       | 09/25/2008 | 09:41:51 | 0.079                     |
| 6496       | 09/25/2008 | 09:41:52 | 0.075                     |
| 6497       | 09/25/2008 | 09:41:53 | 0.075                     |
| 6498       | 09/25/2008 | 09:41:54 | 0.081                     |
| 6499       | 09/25/2008 | 09:41:55 | 0.080                     |
| 6500       | 09/25/2008 | 09:41:56 | 0.076                     |
| 6501       | 09/25/2008 | 09:41:57 | 0.089                     |
| 6502       | 09/25/2008 | 09:41:58 | 0.085                     |
| 6503       | 09/25/2008 | 09:41:59 | 0.074                     |
| 6504       | 09/25/2008 | 09:42:00 | 0.076                     |
| 6505       | 09/25/2008 | 09:42:01 | 0.082                     |
| 6506       | 09/25/2008 | 09:42:02 | 0.081                     |
| 6507       | 09/25/2008 | 09:42:03 | 0.081                     |
| 6508       | 09/25/2008 | 09:42:04 | 0.151                     |
| 6509       | 09/25/2008 | 09:42:05 | 0.077                     |
| 6510       | 09/25/2008 | 09:42:06 | 0.089                     |
| 6511       | 09/25/2008 | 09:42:07 | 0.085                     |
| 6512       | 09/25/2008 | 09:42:08 | 0.091                     |
| 6513       | 09/25/2008 | 09:42:09 | 0.073                     |
| 6514       | 09/25/2008 | 09:42:10 | 0.082                     |
| 6515       | 09/25/2008 | 09:42:11 | 0.076                     |
| 6516       | 09/25/2008 | 09:42:12 | 0.075                     |
| 6517       | 09/25/2008 | 09:42:13 | 0.086                     |
| 6518       | 09/25/2008 | 09:42:14 | 0.108                     |
| 6519       | 09/25/2008 | 09:42:15 | 0.075                     |
| 6520       | 09/25/2008 | 09:42:16 | 0.075                     |
| 6521       | 09/25/2008 | 09:42:17 | 0.074                     |
| 6522       | 09/25/2008 | 09:42:18 | 0.075                     |
| 6523       | 09/25/2008 | 09:42:19 | 0.075                     |
| 6524       | 09/25/2008 | 09:42:20 | 0.092                     |
| 6525       | 09/25/2008 | 09:42:21 | 0.082                     |
| 6526       | 09/25/2008 | 09:42:22 | 0.071                     |
| 6527       | 09/25/2008 | 09:42:23 | 0.080                     |
| 6528       | 09/25/2008 | 09:42:24 | 0.076                     |
| 6529       | 09/25/2008 | 09:42:25 | 0.070                     |
| 6530       | 09/25/2008 | 09:42:26 | 0.075                     |
| 6531       | 09/25/2008 | 09:42:27 | 0.073                     |
| 6532       | 09/25/2008 | 09:42:28 | 0.083                     |
| 6533       | 09/25/2008 | 09:42:29 | 0.073                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 6534       | 09/25/2008 | 09:42:30 | 0.077                     |
| 6535       | 09/25/2008 | 09:42:31 | 0.083                     |
| 6536       | 09/25/2008 | 09:42:32 | 0.083                     |
| 6537       | 09/25/2008 | 09:42:33 | 0.071                     |
| 6538       | 09/25/2008 | 09:42:34 | 0.136                     |
| 6539       | 09/25/2008 | 09:42:35 | 0.075                     |
| 6540       | 09/25/2008 | 09:42:36 | 0.069                     |
| 6541       | 09/25/2008 | 09:42:37 | 0.076                     |
| 6542       | 09/25/2008 | 09:42:38 | 0.081                     |
| 6543       | 09/25/2008 | 09:42:39 | 0.075                     |
| 6544       | 09/25/2008 | 09:42:40 | 0.076                     |
| 6545       | 09/25/2008 | 09:42:41 | 0.075                     |
| 6546       | 09/25/2008 | 09:42:42 | 0.077                     |
| 6547       | 09/25/2008 | 09:42:43 | 0.095                     |
| 6548       | 09/25/2008 | 09:42:44 | 0.079                     |
| 6549       | 09/25/2008 | 09:42:45 | 0.079                     |
| 6550       | 09/25/2008 | 09:42:46 | 0.075                     |
| 6551       | 09/25/2008 | 09:42:47 | 0.095                     |
| 6552       | 09/25/2008 | 09:42:48 | 0.086                     |
| 6553       | 09/25/2008 | 09:42:49 | 0.072                     |
| 6554       | 09/25/2008 | 09:42:50 | 0.093                     |
| 6555       | 09/25/2008 | 09:42:51 | 0.082                     |
| 6556       | 09/25/2008 | 09:42:52 | 0.074                     |
| 6557       | 09/25/2008 | 09:42:53 | 0.075                     |
| 6558       | 09/25/2008 | 09:42:54 | 0.071                     |
| 6559       | 09/25/2008 | 09:42:55 | 0.079                     |
| 6560       | 09/25/2008 | 09:42:56 | 0.072                     |
| 6561       | 09/25/2008 | 09:42:57 | 0.073                     |
| 6562       | 09/25/2008 | 09:42:58 | 0.074                     |
| 6563       | 09/25/2008 | 09:42:59 | 0.091                     |
| 6564       | 09/25/2008 | 09:43:00 | 0.076                     |
| 6565       | 09/25/2008 | 09:43:01 | 0.075                     |
| 6566       | 09/25/2008 | 09:43:02 | 0.075                     |
| 6567       | 09/25/2008 | 09:43:03 | 0.100                     |
| 6568       | 09/25/2008 | 09:43:04 | 0.081                     |
| 6569       | 09/25/2008 | 09:43:05 | 0.073                     |
| 6570       | 09/25/2008 | 09:43:06 | 0.097                     |
| 6571       | 09/25/2008 | 09:43:07 | 0.078                     |
| 6572       | 09/25/2008 | 09:43:08 | 0.108                     |
| 6573       | 09/25/2008 | 09:43:09 | 0.077                     |
| 6574       | 09/25/2008 | 09:43:10 | 0.073                     |
| 6575       | 09/25/2008 | 09:43:11 | 0.075                     |
| 6576       | 09/25/2008 | 09:43:12 | 0.076                     |
| 6577       | 09/25/2008 | 09:43:13 | 0.081                     |
| 6578       | 09/25/2008 | 09:43:14 | 0.076                     |
| 6579       | 09/25/2008 | 09:43:15 | 0.078                     |
| 6580       | 09/25/2008 | 09:43:16 | 0.089                     |
| 6581       | 09/25/2008 | 09:43:17 | 0.074                     |
| 6582       | 09/25/2008 | 09:43:18 | 0.168                     |
| 6583       | 09/25/2008 | 09:43:19 | 0.075                     |
| 6584       | 09/25/2008 | 09:43:20 | 0.087                     |
| 6585       | 09/25/2008 | 09:43:21 | 0.076                     |
| 6586       | 09/25/2008 | 09:43:22 | 0.073                     |
| 6587       | 09/25/2008 | 09:43:23 | 0.079                     |
| 6588       | 09/25/2008 | 09:43:24 | 0.078                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 6589       | 09/25/2008 | 09:43:25 | 0.068                     |
| 6590       | 09/25/2008 | 09:43:26 | 0.073                     |
| 6591       | 09/25/2008 | 09:43:27 | 0.073                     |
| 6592       | 09/25/2008 | 09:43:28 | 0.077                     |
| 6593       | 09/25/2008 | 09:43:29 | 0.071                     |
| 6594       | 09/25/2008 | 09:43:30 | 0.073                     |
| 6595       | 09/25/2008 | 09:43:31 | 0.074                     |
| 6596       | 09/25/2008 | 09:43:32 | 0.072                     |
| 6597       | 09/25/2008 | 09:43:33 | 0.091                     |
| 6598       | 09/25/2008 | 09:43:34 | 0.074                     |
| 6599       | 09/25/2008 | 09:43:35 | 0.072                     |
| 6600       | 09/25/2008 | 09:43:36 | 0.081                     |
| 6601       | 09/25/2008 | 09:43:37 | 0.075                     |
| 6602       | 09/25/2008 | 09:43:38 | 0.081                     |
| 6603       | 09/25/2008 | 09:43:39 | 0.074                     |
| 6604       | 09/25/2008 | 09:43:40 | 0.075                     |
| 6605       | 09/25/2008 | 09:43:41 | 0.081                     |
| 6606       | 09/25/2008 | 09:43:42 | 0.077                     |
| 6607       | 09/25/2008 | 09:43:43 | 0.076                     |
| 6608       | 09/25/2008 | 09:43:44 | 0.082                     |
| 6609       | 09/25/2008 | 09:43:45 | 0.072                     |
| 6610       | 09/25/2008 | 09:43:46 | 0.075                     |
| 6611       | 09/25/2008 | 09:43:47 | 0.071                     |
| 6612       | 09/25/2008 | 09:43:48 | 0.088                     |
| 6613       | 09/25/2008 | 09:43:49 | 0.091                     |
| 6614       | 09/25/2008 | 09:43:50 | 0.078                     |
| 6615       | 09/25/2008 | 09:43:51 | 0.077                     |
| 6616       | 09/25/2008 | 09:43:52 | 0.067                     |
| 6617       | 09/25/2008 | 09:43:53 | 0.095                     |
| 6618       | 09/25/2008 | 09:43:54 | 0.070                     |
| 6619       | 09/25/2008 | 09:43:55 | 0.087                     |
| 6620       | 09/25/2008 | 09:43:56 | 0.080                     |
| 6621       | 09/25/2008 | 09:43:57 | 0.088                     |
| 6622       | 09/25/2008 | 09:43:58 | 0.071                     |
| 6623       | 09/25/2008 | 09:43:59 | 0.073                     |
| 6624       | 09/25/2008 | 09:44:00 | 0.068                     |
| 6625       | 09/25/2008 | 09:44:01 | 0.073                     |
| 6626       | 09/25/2008 | 09:44:02 | 0.081                     |
| 6627       | 09/25/2008 | 09:44:03 | 0.088                     |
| 6628       | 09/25/2008 | 09:44:04 | 0.071                     |
| 6629       | 09/25/2008 | 09:44:05 | 0.080                     |
| 6630       | 09/25/2008 | 09:44:06 | 0.074                     |
| 6631       | 09/25/2008 | 09:44:07 | 0.096                     |
| 6632       | 09/25/2008 | 09:44:08 | 0.075                     |
| 6633       | 09/25/2008 | 09:44:09 | 0.074                     |
| 6634       | 09/25/2008 | 09:44:10 | 0.110                     |
| 6635       | 09/25/2008 | 09:44:11 | 0.070                     |
| 6636       | 09/25/2008 | 09:44:12 | 0.073                     |
| 6637       | 09/25/2008 | 09:44:13 | 0.079                     |
| 6638       | 09/25/2008 | 09:44:14 | 0.076                     |
| 6639       | 09/25/2008 | 09:44:15 | 0.077                     |
| 6640       | 09/25/2008 | 09:44:16 | 0.077                     |
| 6641       | 09/25/2008 | 09:44:17 | 0.076                     |
| 6642       | 09/25/2008 | 09:44:18 | 0.074                     |
| 6643       | 09/25/2008 | 09:44:19 | 0.073                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 6644       | 09/25/2008 | 09:44:20 | 0.071                     |
| 6645       | 09/25/2008 | 09:44:21 | 0.078                     |
| 6646       | 09/25/2008 | 09:44:22 | 0.076                     |
| 6647       | 09/25/2008 | 09:44:23 | 0.084                     |
| 6648       | 09/25/2008 | 09:44:24 | 0.076                     |
| 6649       | 09/25/2008 | 09:44:25 | 0.091                     |
| 6650       | 09/25/2008 | 09:44:26 | 0.082                     |
| 6651       | 09/25/2008 | 09:44:27 | 0.071                     |
| 6652       | 09/25/2008 | 09:44:28 | 0.077                     |
| 6653       | 09/25/2008 | 09:44:29 | 0.085                     |
| 6654       | 09/25/2008 | 09:44:30 | 0.084                     |
| 6655       | 09/25/2008 | 09:44:31 | 0.080                     |
| 6656       | 09/25/2008 | 09:44:32 | 0.075                     |
| 6657       | 09/25/2008 | 09:44:33 | 0.079                     |
| 6658       | 09/25/2008 | 09:44:34 | 0.072                     |
| 6659       | 09/25/2008 | 09:44:35 | 0.072                     |
| 6660       | 09/25/2008 | 09:44:36 | 0.079                     |
| 6661       | 09/25/2008 | 09:44:37 | 0.080                     |
| 6662       | 09/25/2008 | 09:44:38 | 0.075                     |
| 6663       | 09/25/2008 | 09:44:39 | 0.072                     |
| 6664       | 09/25/2008 | 09:44:40 | 0.078                     |
| 6665       | 09/25/2008 | 09:44:41 | 0.074                     |
| 6666       | 09/25/2008 | 09:44:42 | 0.080                     |
| 6667       | 09/25/2008 | 09:44:43 | 0.081                     |
| 6668       | 09/25/2008 | 09:44:44 | 0.075                     |
| 6669       | 09/25/2008 | 09:44:45 | 0.074                     |
| 6670       | 09/25/2008 | 09:44:46 | 0.082                     |
| 6671       | 09/25/2008 | 09:44:47 | 0.080                     |
| 6672       | 09/25/2008 | 09:44:48 | 0.070                     |
| 6673       | 09/25/2008 | 09:44:49 | 0.072                     |
| 6674       | 09/25/2008 | 09:44:50 | 0.091                     |
| 6675       | 09/25/2008 | 09:44:51 | 0.074                     |
| 6676       | 09/25/2008 | 09:44:52 | 0.076                     |
| 6677       | 09/25/2008 | 09:44:53 | 0.076                     |
| 6678       | 09/25/2008 | 09:44:54 | 0.071                     |
| 6679       | 09/25/2008 | 09:44:55 | 0.075                     |
| 6680       | 09/25/2008 | 09:44:56 | 0.074                     |
| 6681       | 09/25/2008 | 09:44:57 | 0.098                     |
| 6682       | 09/25/2008 | 09:44:58 | 0.074                     |
| 6683       | 09/25/2008 | 09:44:59 | 0.082                     |
| 6684       | 09/25/2008 | 09:45:00 | 0.075                     |
| 6685       | 09/25/2008 | 09:45:01 | 0.076                     |
| 6686       | 09/25/2008 | 09:45:02 | 0.078                     |
| 6687       | 09/25/2008 | 09:45:03 | 0.078                     |
| 6688       | 09/25/2008 | 09:45:04 | 0.071                     |
| 6689       | 09/25/2008 | 09:45:05 | 0.077                     |
| 6690       | 09/25/2008 | 09:45:06 | 0.076                     |
| 6691       | 09/25/2008 | 09:45:07 | 0.077                     |
| 6692       | 09/25/2008 | 09:45:08 | 0.079                     |
| 6693       | 09/25/2008 | 09:45:09 | 0.077                     |
| 6694       | 09/25/2008 | 09:45:10 | 0.073                     |
| 6695       | 09/25/2008 | 09:45:11 | 0.097                     |
| 6696       | 09/25/2008 | 09:45:12 | 0.080                     |
| 6697       | 09/25/2008 | 09:45:13 | 0.079                     |
| 6698       | 09/25/2008 | 09:45:14 | 0.089                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 6699       | 09/25/2008 | 09:45:15 | 0.070                     |
| 6700       | 09/25/2008 | 09:45:16 | 0.075                     |
| 6701       | 09/25/2008 | 09:45:17 | 0.081                     |
| 6702       | 09/25/2008 | 09:45:18 | 0.078                     |
| 6703       | 09/25/2008 | 09:45:19 | 0.078                     |
| 6704       | 09/25/2008 | 09:45:20 | 0.083                     |
| 6705       | 09/25/2008 | 09:45:21 | 0.079                     |
| 6706       | 09/25/2008 | 09:45:22 | 0.138                     |
| 6707       | 09/25/2008 | 09:45:23 | 0.078                     |
| 6708       | 09/25/2008 | 09:45:24 | 0.074                     |
| 6709       | 09/25/2008 | 09:45:25 | 0.072                     |
| 6710       | 09/25/2008 | 09:45:26 | 0.079                     |
| 6711       | 09/25/2008 | 09:45:27 | 0.073                     |
| 6712       | 09/25/2008 | 09:45:28 | 0.088                     |
| 6713       | 09/25/2008 | 09:45:29 | 0.075                     |
| 6714       | 09/25/2008 | 09:45:30 | 0.079                     |
| 6715       | 09/25/2008 | 09:45:31 | 0.082                     |
| 6716       | 09/25/2008 | 09:45:32 | 0.085                     |
| 6717       | 09/25/2008 | 09:45:33 | 0.078                     |
| 6718       | 09/25/2008 | 09:45:34 | 0.089                     |
| 6719       | 09/25/2008 | 09:45:35 | 0.089                     |
| 6720       | 09/25/2008 | 09:45:36 | 0.080                     |
| 6721       | 09/25/2008 | 09:45:37 | 0.076                     |
| 6722       | 09/25/2008 | 09:45:38 | 0.115                     |
| 6723       | 09/25/2008 | 09:45:39 | 0.080                     |
| 6724       | 09/25/2008 | 09:45:40 | 0.090                     |
| 6725       | 09/25/2008 | 09:45:41 | 0.077                     |
| 6726       | 09/25/2008 | 09:45:42 | 0.073                     |
| 6727       | 09/25/2008 | 09:45:43 | 0.078                     |
| 6728       | 09/25/2008 | 09:45:44 | 0.082                     |
| 6729       | 09/25/2008 | 09:45:45 | 0.078                     |
| 6730       | 09/25/2008 | 09:45:46 | 0.071                     |
| 6731       | 09/25/2008 | 09:45:47 | 0.082                     |
| 6732       | 09/25/2008 | 09:45:48 | 0.071                     |
| 6733       | 09/25/2008 | 09:45:49 | 0.074                     |
| 6734       | 09/25/2008 | 09:45:50 | 0.074                     |
| 6735       | 09/25/2008 | 09:45:51 | 0.072                     |
| 6736       | 09/25/2008 | 09:45:52 | 0.076                     |
| 6737       | 09/25/2008 | 09:45:53 | 0.075                     |
| 6738       | 09/25/2008 | 09:45:54 | 0.081                     |
| 6739       | 09/25/2008 | 09:45:55 | 0.076                     |
| 6740       | 09/25/2008 | 09:45:56 | 0.091                     |
| 6741       | 09/25/2008 | 09:45:57 | 0.097                     |
| 6742       | 09/25/2008 | 09:45:58 | 0.071                     |
| 6743       | 09/25/2008 | 09:45:59 | 0.086                     |
| 6744       | 09/25/2008 | 09:46:00 | 0.083                     |
| 6745       | 09/25/2008 | 09:46:01 | 0.074                     |
| 6746       | 09/25/2008 | 09:46:02 | 0.084                     |
| 6747       | 09/25/2008 | 09:46:03 | 0.075                     |
| 6748       | 09/25/2008 | 09:46:04 | 0.075                     |
| 6749       | 09/25/2008 | 09:46:05 | 0.078                     |
| 6750       | 09/25/2008 | 09:46:06 | 0.077                     |
| 6751       | 09/25/2008 | 09:46:07 | 0.068                     |
| 6752       | 09/25/2008 | 09:46:08 | 0.078                     |
| 6753       | 09/25/2008 | 09:46:09 | 0.073                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 6754       | 09/25/2008 | 09:46:10 | 0.072                     |
| 6755       | 09/25/2008 | 09:46:11 | 0.073                     |
| 6756       | 09/25/2008 | 09:46:12 | 0.069                     |
| 6757       | 09/25/2008 | 09:46:13 | 0.078                     |
| 6758       | 09/25/2008 | 09:46:14 | 0.085                     |
| 6759       | 09/25/2008 | 09:46:15 | 0.084                     |
| 6760       | 09/25/2008 | 09:46:16 | 0.070                     |
| 6761       | 09/25/2008 | 09:46:17 | 0.076                     |
| 6762       | 09/25/2008 | 09:46:18 | 0.079                     |
| 6763       | 09/25/2008 | 09:46:19 | 0.076                     |
| 6764       | 09/25/2008 | 09:46:20 | 0.075                     |
| 6765       | 09/25/2008 | 09:46:21 | 0.079                     |
| 6766       | 09/25/2008 | 09:46:22 | 0.077                     |
| 6767       | 09/25/2008 | 09:46:23 | 0.070                     |
| 6768       | 09/25/2008 | 09:46:24 | 0.124                     |
| 6769       | 09/25/2008 | 09:46:25 | 0.077                     |
| 6770       | 09/25/2008 | 09:46:26 | 0.072                     |
| 6771       | 09/25/2008 | 09:46:27 | 0.076                     |
| 6772       | 09/25/2008 | 09:46:28 | 0.073                     |
| 6773       | 09/25/2008 | 09:46:29 | 0.079                     |
| 6774       | 09/25/2008 | 09:46:30 | 0.071                     |
| 6775       | 09/25/2008 | 09:46:31 | 0.088                     |
| 6776       | 09/25/2008 | 09:46:32 | 0.071                     |
| 6777       | 09/25/2008 | 09:46:33 | 0.076                     |
| 6778       | 09/25/2008 | 09:46:34 | 0.083                     |
| 6779       | 09/25/2008 | 09:46:35 | 0.075                     |
| 6780       | 09/25/2008 | 09:46:36 | 0.077                     |
| 6781       | 09/25/2008 | 09:46:37 | 0.086                     |
| 6782       | 09/25/2008 | 09:46:38 | 0.072                     |
| 6783       | 09/25/2008 | 09:46:39 | 0.075                     |
| 6784       | 09/25/2008 | 09:46:40 | 0.078                     |
| 6785       | 09/25/2008 | 09:46:41 | 0.072                     |
| 6786       | 09/25/2008 | 09:46:42 | 0.074                     |
| 6787       | 09/25/2008 | 09:46:43 | 0.076                     |
| 6788       | 09/25/2008 | 09:46:44 | 0.078                     |
| 6789       | 09/25/2008 | 09:46:45 | 0.071                     |
| 6790       | 09/25/2008 | 09:46:46 | 0.074                     |
| 6791       | 09/25/2008 | 09:46:47 | 0.082                     |
| 6792       | 09/25/2008 | 09:46:48 | 0.072                     |
| 6793       | 09/25/2008 | 09:46:49 | 0.080                     |
| 6794       | 09/25/2008 | 09:46:50 | 0.071                     |
| 6795       | 09/25/2008 | 09:46:51 | 0.076                     |
| 6796       | 09/25/2008 | 09:46:52 | 0.081                     |
| 6797       | 09/25/2008 | 09:46:53 | 0.068                     |
| 6798       | 09/25/2008 | 09:46:54 | 0.081                     |
| 6799       | 09/25/2008 | 09:46:55 | 0.092                     |
| 6800       | 09/25/2008 | 09:46:56 | 0.081                     |
| 6801       | 09/25/2008 | 09:46:57 | 0.074                     |
| 6802       | 09/25/2008 | 09:46:58 | 0.076                     |
| 6803       | 09/25/2008 | 09:46:59 | 0.078                     |
| 6804       | 09/25/2008 | 09:47:00 | 0.083                     |
| 6805       | 09/25/2008 | 09:47:01 | 0.081                     |
| 6806       | 09/25/2008 | 09:47:02 | 0.069                     |
| 6807       | 09/25/2008 | 09:47:03 | 0.084                     |
| 6808       | 09/25/2008 | 09:47:04 | 0.081                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 6809       | 09/25/2008 | 09:47:05 | 0.080                     |
| 6810       | 09/25/2008 | 09:47:06 | 0.086                     |
| 6811       | 09/25/2008 | 09:47:07 | 0.073                     |
| 6812       | 09/25/2008 | 09:47:08 | 0.069                     |
| 6813       | 09/25/2008 | 09:47:09 | 0.082                     |
| 6814       | 09/25/2008 | 09:47:10 | 0.094                     |
| 6815       | 09/25/2008 | 09:47:11 | 0.072                     |
| 6816       | 09/25/2008 | 09:47:12 | 0.076                     |
| 6817       | 09/25/2008 | 09:47:13 | 0.105                     |
| 6818       | 09/25/2008 | 09:47:14 | 0.083                     |
| 6819       | 09/25/2008 | 09:47:15 | 0.073                     |
| 6820       | 09/25/2008 | 09:47:16 | 0.076                     |
| 6821       | 09/25/2008 | 09:47:17 | 0.081                     |
| 6822       | 09/25/2008 | 09:47:18 | 0.077                     |
| 6823       | 09/25/2008 | 09:47:19 | 0.072                     |
| 6824       | 09/25/2008 | 09:47:20 | 0.079                     |
| 6825       | 09/25/2008 | 09:47:21 | 0.075                     |
| 6826       | 09/25/2008 | 09:47:22 | 0.077                     |
| 6827       | 09/25/2008 | 09:47:23 | 0.080                     |
| 6828       | 09/25/2008 | 09:47:24 | 0.074                     |
| 6829       | 09/25/2008 | 09:47:25 | 0.071                     |
| 6830       | 09/25/2008 | 09:47:26 | 0.073                     |
| 6831       | 09/25/2008 | 09:47:27 | 0.077                     |
| 6832       | 09/25/2008 | 09:47:28 | 0.071                     |
| 6833       | 09/25/2008 | 09:47:29 | 0.089                     |
| 6834       | 09/25/2008 | 09:47:30 | 0.075                     |
| 6835       | 09/25/2008 | 09:47:31 | 0.079                     |
| 6836       | 09/25/2008 | 09:47:32 | 0.075                     |
| 6837       | 09/25/2008 | 09:47:33 | 0.080                     |
| 6838       | 09/25/2008 | 09:47:34 | 0.080                     |
| 6839       | 09/25/2008 | 09:47:35 | 0.086                     |
| 6840       | 09/25/2008 | 09:47:36 | 0.072                     |
| 6841       | 09/25/2008 | 09:47:37 | 0.074                     |
| 6842       | 09/25/2008 | 09:47:38 | 0.086                     |
| 6843       | 09/25/2008 | 09:47:39 | 0.076                     |
| 6844       | 09/25/2008 | 09:47:40 | 0.081                     |
| 6845       | 09/25/2008 | 09:47:41 | 0.074                     |
| 6846       | 09/25/2008 | 09:47:42 | 0.072                     |
| 6847       | 09/25/2008 | 09:47:43 | 0.071                     |
| 6848       | 09/25/2008 | 09:47:44 | 0.079                     |
| 6849       | 09/25/2008 | 09:47:45 | 0.082                     |
| 6850       | 09/25/2008 | 09:47:46 | 0.085                     |
| 6851       | 09/25/2008 | 09:47:47 | 0.079                     |
| 6852       | 09/25/2008 | 09:47:48 | 0.082                     |
| 6853       | 09/25/2008 | 09:47:49 | 0.076                     |
| 6854       | 09/25/2008 | 09:47:50 | 0.088                     |
| 6855       | 09/25/2008 | 09:47:51 | 0.099                     |
| 6856       | 09/25/2008 | 09:47:52 | 0.078                     |
| 6857       | 09/25/2008 | 09:47:53 | 0.074                     |
| 6858       | 09/25/2008 | 09:47:54 | 0.083                     |
| 6859       | 09/25/2008 | 09:47:55 | 0.082                     |
| 6860       | 09/25/2008 | 09:47:56 | 0.074                     |
| 6861       | 09/25/2008 | 09:47:57 | 0.072                     |
| 6862       | 09/25/2008 | 09:47:58 | 0.075                     |
| 6863       | 09/25/2008 | 09:47:59 | 0.072                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 6864       | 09/25/2008 | 09:48:00 | 0.083                     |
| 6865       | 09/25/2008 | 09:48:01 | 0.096                     |
| 6866       | 09/25/2008 | 09:48:02 | 0.074                     |
| 6867       | 09/25/2008 | 09:48:03 | 0.094                     |
| 6868       | 09/25/2008 | 09:48:04 | 0.074                     |
| 6869       | 09/25/2008 | 09:48:05 | 0.075                     |
| 6870       | 09/25/2008 | 09:48:06 | 0.115                     |
| 6871       | 09/25/2008 | 09:48:07 | 0.083                     |
| 6872       | 09/25/2008 | 09:48:08 | 0.072                     |
| 6873       | 09/25/2008 | 09:48:09 | 0.085                     |
| 6874       | 09/25/2008 | 09:48:10 | 0.081                     |
| 6875       | 09/25/2008 | 09:48:11 | 0.093                     |
| 6876       | 09/25/2008 | 09:48:12 | 0.091                     |
| 6877       | 09/25/2008 | 09:48:13 | 0.086                     |
| 6878       | 09/25/2008 | 09:48:14 | 0.088                     |
| 6879       | 09/25/2008 | 09:48:15 | 0.073                     |
| 6880       | 09/25/2008 | 09:48:16 | 0.075                     |
| 6881       | 09/25/2008 | 09:48:17 | 0.079                     |
| 6882       | 09/25/2008 | 09:48:18 | 0.078                     |
| 6883       | 09/25/2008 | 09:48:19 | 0.069                     |
| 6884       | 09/25/2008 | 09:48:20 | 0.076                     |
| 6885       | 09/25/2008 | 09:48:21 | 0.072                     |
| 6886       | 09/25/2008 | 09:48:22 | 0.086                     |
| 6887       | 09/25/2008 | 09:48:23 | 0.079                     |
| 6888       | 09/25/2008 | 09:48:24 | 0.069                     |
| 6889       | 09/25/2008 | 09:48:25 | 0.085                     |
| 6890       | 09/25/2008 | 09:48:26 | 0.091                     |
| 6891       | 09/25/2008 | 09:48:27 | 0.125                     |
| 6892       | 09/25/2008 | 09:48:28 | 0.079                     |
| 6893       | 09/25/2008 | 09:48:29 | 0.072                     |
| 6894       | 09/25/2008 | 09:48:30 | 0.072                     |
| 6895       | 09/25/2008 | 09:48:31 | 0.072                     |
| 6896       | 09/25/2008 | 09:48:32 | 0.073                     |
| 6897       | 09/25/2008 | 09:48:33 | 0.077                     |
| 6898       | 09/25/2008 | 09:48:34 | 0.075                     |
| 6899       | 09/25/2008 | 09:48:35 | 0.080                     |
| 6900       | 09/25/2008 | 09:48:36 | 0.080                     |
| 6901       | 09/25/2008 | 09:48:37 | 0.079                     |
| 6902       | 09/25/2008 | 09:48:38 | 0.084                     |
| 6903       | 09/25/2008 | 09:48:39 | 0.076                     |
| 6904       | 09/25/2008 | 09:48:40 | 0.084                     |
| 6905       | 09/25/2008 | 09:48:41 | 0.076                     |
| 6906       | 09/25/2008 | 09:48:42 | 0.074                     |
| 6907       | 09/25/2008 | 09:48:43 | 0.080                     |
| 6908       | 09/25/2008 | 09:48:44 | 0.076                     |
| 6909       | 09/25/2008 | 09:48:45 | 0.085                     |
| 6910       | 09/25/2008 | 09:48:46 | 0.077                     |
| 6911       | 09/25/2008 | 09:48:47 | 0.069                     |
| 6912       | 09/25/2008 | 09:48:48 | 0.075                     |
| 6913       | 09/25/2008 | 09:48:49 | 0.072                     |
| 6914       | 09/25/2008 | 09:48:50 | 0.077                     |
| 6915       | 09/25/2008 | 09:48:51 | 0.075                     |
| 6916       | 09/25/2008 | 09:48:52 | 0.068                     |
| 6917       | 09/25/2008 | 09:48:53 | 0.068                     |
| 6918       | 09/25/2008 | 09:48:54 | 0.089                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 6919       | 09/25/2008 | 09:48:55 | 0.074                     |
| 6920       | 09/25/2008 | 09:48:56 | 0.084                     |
| 6921       | 09/25/2008 | 09:48:57 | 0.073                     |
| 6922       | 09/25/2008 | 09:48:58 | 0.075                     |
| 6923       | 09/25/2008 | 09:48:59 | 0.079                     |
| 6924       | 09/25/2008 | 09:49:00 | 0.075                     |
| 6925       | 09/25/2008 | 09:49:01 | 0.074                     |
| 6926       | 09/25/2008 | 09:49:02 | 0.074                     |
| 6927       | 09/25/2008 | 09:49:03 | 0.074                     |
| 6928       | 09/25/2008 | 09:49:04 | 0.075                     |
| 6929       | 09/25/2008 | 09:49:05 | 0.078                     |
| 6930       | 09/25/2008 | 09:49:06 | 0.076                     |
| 6931       | 09/25/2008 | 09:49:07 | 0.074                     |
| 6932       | 09/25/2008 | 09:49:08 | 0.079                     |
| 6933       | 09/25/2008 | 09:49:09 | 0.099                     |
| 6934       | 09/25/2008 | 09:49:10 | 0.091                     |
| 6935       | 09/25/2008 | 09:49:11 | 0.090                     |
| 6936       | 09/25/2008 | 09:49:12 | 0.076                     |
| 6937       | 09/25/2008 | 09:49:13 | 0.076                     |
| 6938       | 09/25/2008 | 09:49:14 | 0.076                     |
| 6939       | 09/25/2008 | 09:49:15 | 0.076                     |
| 6940       | 09/25/2008 | 09:49:16 | 0.170                     |
| 6941       | 09/25/2008 | 09:49:17 | 0.074                     |
| 6942       | 09/25/2008 | 09:49:18 | 0.077                     |
| 6943       | 09/25/2008 | 09:49:19 | 0.071                     |
| 6944       | 09/25/2008 | 09:49:20 | 0.074                     |
| 6945       | 09/25/2008 | 09:49:21 | 0.085                     |
| 6946       | 09/25/2008 | 09:49:22 | 0.067                     |
| 6947       | 09/25/2008 | 09:49:23 | 0.094                     |
| 6948       | 09/25/2008 | 09:49:24 | 0.082                     |
| 6949       | 09/25/2008 | 09:49:25 | 0.092                     |
| 6950       | 09/25/2008 | 09:49:26 | 0.072                     |
| 6951       | 09/25/2008 | 09:49:27 | 0.076                     |
| 6952       | 09/25/2008 | 09:49:28 | 0.084                     |
| 6953       | 09/25/2008 | 09:49:29 | 0.092                     |
| 6954       | 09/25/2008 | 09:49:30 | 0.077                     |
| 6955       | 09/25/2008 | 09:49:31 | 0.071                     |
| 6956       | 09/25/2008 | 09:49:32 | 0.085                     |
| 6957       | 09/25/2008 | 09:49:33 | 0.086                     |
| 6958       | 09/25/2008 | 09:49:34 | 0.070                     |
| 6959       | 09/25/2008 | 09:49:35 | 0.100                     |
| 6960       | 09/25/2008 | 09:49:36 | 0.070                     |
| 6961       | 09/25/2008 | 09:49:37 | 0.071                     |
| 6962       | 09/25/2008 | 09:49:38 | 0.071                     |
| 6963       | 09/25/2008 | 09:49:39 | 0.075                     |
| 6964       | 09/25/2008 | 09:49:40 | 0.072                     |
| 6965       | 09/25/2008 | 09:49:41 | 0.080                     |
| 6966       | 09/25/2008 | 09:49:42 | 0.093                     |
| 6967       | 09/25/2008 | 09:49:43 | 0.083                     |
| 6968       | 09/25/2008 | 09:49:44 | 0.090                     |
| 6969       | 09/25/2008 | 09:49:45 | 0.072                     |
| 6970       | 09/25/2008 | 09:49:46 | 0.074                     |
| 6971       | 09/25/2008 | 09:49:47 | 0.083                     |
| 6972       | 09/25/2008 | 09:49:48 | 0.091                     |
| 6973       | 09/25/2008 | 09:49:49 | 0.084                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 6974       | 09/25/2008 | 09:49:50 | 0.085                     |
| 6975       | 09/25/2008 | 09:49:51 | 0.075                     |
| 6976       | 09/25/2008 | 09:49:52 | 0.073                     |
| 6977       | 09/25/2008 | 09:49:53 | 0.082                     |
| 6978       | 09/25/2008 | 09:49:54 | 0.076                     |
| 6979       | 09/25/2008 | 09:49:55 | 0.089                     |
| 6980       | 09/25/2008 | 09:49:56 | 0.076                     |
| 6981       | 09/25/2008 | 09:49:57 | 0.083                     |
| 6982       | 09/25/2008 | 09:49:58 | 0.081                     |
| 6983       | 09/25/2008 | 09:49:59 | 0.086                     |
| 6984       | 09/25/2008 | 09:50:00 | 0.087                     |
| 6985       | 09/25/2008 | 09:50:01 | 0.084                     |
| 6986       | 09/25/2008 | 09:50:02 | 0.078                     |
| 6987       | 09/25/2008 | 09:50:03 | 0.083                     |
| 6988       | 09/25/2008 | 09:50:04 | 0.073                     |
| 6989       | 09/25/2008 | 09:50:05 | 0.080                     |
| 6990       | 09/25/2008 | 09:50:06 | 0.075                     |
| 6991       | 09/25/2008 | 09:50:07 | 0.077                     |
| 6992       | 09/25/2008 | 09:50:08 | 0.078                     |
| 6993       | 09/25/2008 | 09:50:09 | 0.077                     |
| 6994       | 09/25/2008 | 09:50:10 | 0.070                     |
| 6995       | 09/25/2008 | 09:50:11 | 0.075                     |
| 6996       | 09/25/2008 | 09:50:12 | 0.070                     |
| 6997       | 09/25/2008 | 09:50:13 | 0.086                     |
| 6998       | 09/25/2008 | 09:50:14 | 0.076                     |
| 6999       | 09/25/2008 | 09:50:15 | 0.077                     |
| 7000       | 09/25/2008 | 09:50:16 | 0.076                     |
| 7001       | 09/25/2008 | 09:50:17 | 0.072                     |
| 7002       | 09/25/2008 | 09:50:18 | 0.074                     |
| 7003       | 09/25/2008 | 09:50:19 | 0.262                     |
| 7004       | 09/25/2008 | 09:50:20 | 0.079                     |
| 7005       | 09/25/2008 | 09:50:21 | 0.078                     |
| 7006       | 09/25/2008 | 09:50:22 | 0.071                     |
| 7007       | 09/25/2008 | 09:50:23 | 0.074                     |
| 7008       | 09/25/2008 | 09:50:24 | 0.069                     |
| 7009       | 09/25/2008 | 09:50:25 | 0.076                     |
| 7010       | 09/25/2008 | 09:50:26 | 0.118                     |
| 7011       | 09/25/2008 | 09:50:27 | 0.073                     |
| 7012       | 09/25/2008 | 09:50:28 | 0.086                     |
| 7013       | 09/25/2008 | 09:50:29 | 0.075                     |
| 7014       | 09/25/2008 | 09:50:30 | 0.078                     |
| 7015       | 09/25/2008 | 09:50:31 | 0.078                     |
| 7016       | 09/25/2008 | 09:50:32 | 0.077                     |
| 7017       | 09/25/2008 | 09:50:33 | 0.071                     |
| 7018       | 09/25/2008 | 09:50:34 | 0.077                     |
| 7019       | 09/25/2008 | 09:50:35 | 0.076                     |
| 7020       | 09/25/2008 | 09:50:36 | 0.115                     |
| 7021       | 09/25/2008 | 09:50:37 | 0.075                     |
| 7022       | 09/25/2008 | 09:50:38 | 0.079                     |
| 7023       | 09/25/2008 | 09:50:39 | 0.077                     |
| 7024       | 09/25/2008 | 09:50:40 | 0.075                     |
| 7025       | 09/25/2008 | 09:50:41 | 0.084                     |
| 7026       | 09/25/2008 | 09:50:42 | 0.081                     |
| 7027       | 09/25/2008 | 09:50:43 | 0.076                     |
| 7028       | 09/25/2008 | 09:50:44 | 0.078                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 7029       | 09/25/2008 | 09:50:45 | 0.069                     |
| 7030       | 09/25/2008 | 09:50:46 | 0.078                     |
| 7031       | 09/25/2008 | 09:50:47 | 0.130                     |
| 7032       | 09/25/2008 | 09:50:48 | 0.071                     |
| 7033       | 09/25/2008 | 09:50:49 | 0.086                     |
| 7034       | 09/25/2008 | 09:50:50 | 0.100                     |
| 7035       | 09/25/2008 | 09:50:51 | 0.075                     |
| 7036       | 09/25/2008 | 09:50:52 | 0.073                     |
| 7037       | 09/25/2008 | 09:50:53 | 0.089                     |
| 7038       | 09/25/2008 | 09:50:54 | 0.242                     |
| 7039       | 09/25/2008 | 09:50:55 | 0.095                     |
| 7040       | 09/25/2008 | 09:50:56 | 0.088                     |
| 7041       | 09/25/2008 | 09:50:57 | 0.082                     |
| 7042       | 09/25/2008 | 09:50:58 | 0.083                     |
| 7043       | 09/25/2008 | 09:50:59 | 0.080                     |
| 7044       | 09/25/2008 | 09:51:00 | 0.076                     |
| 7045       | 09/25/2008 | 09:51:01 | 0.075                     |
| 7046       | 09/25/2008 | 09:51:02 | 0.071                     |
| 7047       | 09/25/2008 | 09:51:03 | 0.084                     |
| 7048       | 09/25/2008 | 09:51:04 | 0.074                     |
| 7049       | 09/25/2008 | 09:51:05 | 0.084                     |
| 7050       | 09/25/2008 | 09:51:06 | 0.076                     |
| 7051       | 09/25/2008 | 09:51:07 | 0.072                     |
| 7052       | 09/25/2008 | 09:51:08 | 0.072                     |
| 7053       | 09/25/2008 | 09:51:09 | 0.072                     |
| 7054       | 09/25/2008 | 09:51:10 | 0.073                     |
| 7055       | 09/25/2008 | 09:51:11 | 0.074                     |
| 7056       | 09/25/2008 | 09:51:12 | 0.083                     |
| 7057       | 09/25/2008 | 09:51:13 | 0.087                     |
| 7058       | 09/25/2008 | 09:51:14 | 0.081                     |
| 7059       | 09/25/2008 | 09:51:15 | 0.081                     |
| 7060       | 09/25/2008 | 09:51:16 | 0.074                     |
| 7061       | 09/25/2008 | 09:51:17 | 0.080                     |
| 7062       | 09/25/2008 | 09:51:18 | 0.081                     |
| 7063       | 09/25/2008 | 09:51:19 | 0.076                     |
| 7064       | 09/25/2008 | 09:51:20 | 0.073                     |
| 7065       | 09/25/2008 | 09:51:21 | 0.077                     |
| 7066       | 09/25/2008 | 09:51:22 | 0.087                     |
| 7067       | 09/25/2008 | 09:51:23 | 0.075                     |
| 7068       | 09/25/2008 | 09:51:24 | 0.075                     |
| 7069       | 09/25/2008 | 09:51:25 | 0.094                     |
| 7070       | 09/25/2008 | 09:51:26 | 0.077                     |
| 7071       | 09/25/2008 | 09:51:27 | 0.070                     |
| 7072       | 09/25/2008 | 09:51:28 | 0.074                     |
| 7073       | 09/25/2008 | 09:51:29 | 0.074                     |
| 7074       | 09/25/2008 | 09:51:30 | 0.081                     |
| 7075       | 09/25/2008 | 09:51:31 | 0.069                     |
| 7076       | 09/25/2008 | 09:51:32 | 0.076                     |
| 7077       | 09/25/2008 | 09:51:33 | 0.078                     |
| 7078       | 09/25/2008 | 09:51:34 | 0.074                     |
| 7079       | 09/25/2008 | 09:51:35 | 0.070                     |
| 7080       | 09/25/2008 | 09:51:36 | 0.075                     |
| 7081       | 09/25/2008 | 09:51:37 | 0.076                     |
| 7082       | 09/25/2008 | 09:51:38 | 0.152                     |
| 7083       | 09/25/2008 | 09:51:39 | 0.077                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 7084       | 09/25/2008 | 09:51:40 | 0.074                     |
| 7085       | 09/25/2008 | 09:51:41 | 0.073                     |
| 7086       | 09/25/2008 | 09:51:42 | 0.086                     |
| 7087       | 09/25/2008 | 09:51:43 | 0.247                     |
| 7088       | 09/25/2008 | 09:51:44 | 0.078                     |
| 7089       | 09/25/2008 | 09:51:45 | 0.068                     |
| 7090       | 09/25/2008 | 09:51:46 | 0.082                     |
| 7091       | 09/25/2008 | 09:51:47 | 0.071                     |
| 7092       | 09/25/2008 | 09:51:48 | 0.069                     |
| 7093       | 09/25/2008 | 09:51:49 | 0.075                     |
| 7094       | 09/25/2008 | 09:51:50 | 0.069                     |
| 7095       | 09/25/2008 | 09:51:51 | 0.081                     |
| 7096       | 09/25/2008 | 09:51:52 | 0.068                     |
| 7097       | 09/25/2008 | 09:51:53 | 0.072                     |
| 7098       | 09/25/2008 | 09:51:54 | 0.072                     |
| 7099       | 09/25/2008 | 09:51:55 | 0.071                     |
| 7100       | 09/25/2008 | 09:51:56 | 0.087                     |
| 7101       | 09/25/2008 | 09:51:57 | 0.080                     |
| 7102       | 09/25/2008 | 09:51:58 | 0.074                     |
| 7103       | 09/25/2008 | 09:51:59 | 0.071                     |
| 7104       | 09/25/2008 | 09:52:00 | 0.074                     |
| 7105       | 09/25/2008 | 09:52:01 | 0.071                     |
| 7106       | 09/25/2008 | 09:52:02 | 0.074                     |
| 7107       | 09/25/2008 | 09:52:03 | 0.075                     |
| 7108       | 09/25/2008 | 09:52:04 | 0.071                     |
| 7109       | 09/25/2008 | 09:52:05 | 0.074                     |
| 7110       | 09/25/2008 | 09:52:06 | 0.074                     |
| 7111       | 09/25/2008 | 09:52:07 | 0.078                     |
| 7112       | 09/25/2008 | 09:52:08 | 0.069                     |
| 7113       | 09/25/2008 | 09:52:09 | 0.072                     |
| 7114       | 09/25/2008 | 09:52:10 | 0.074                     |
| 7115       | 09/25/2008 | 09:52:11 | 0.080                     |
| 7116       | 09/25/2008 | 09:52:12 | 0.072                     |
| 7117       | 09/25/2008 | 09:52:13 | 0.081                     |
| 7118       | 09/25/2008 | 09:52:14 | 0.070                     |
| 7119       | 09/25/2008 | 09:52:15 | 0.071                     |
| 7120       | 09/25/2008 | 09:52:16 | 0.071                     |
| 7121       | 09/25/2008 | 09:52:17 | 0.067                     |
| 7122       | 09/25/2008 | 09:52:18 | 0.079                     |
| 7123       | 09/25/2008 | 09:52:19 | 0.074                     |
| 7124       | 09/25/2008 | 09:52:20 | 0.078                     |
| 7125       | 09/25/2008 | 09:52:21 | 0.074                     |
| 7126       | 09/25/2008 | 09:52:22 | 0.080                     |
| 7127       | 09/25/2008 | 09:52:23 | 0.090                     |
| 7128       | 09/25/2008 | 09:52:24 | 0.085                     |
| 7129       | 09/25/2008 | 09:52:25 | 0.074                     |
| 7130       | 09/25/2008 | 09:52:26 | 0.088                     |
| 7131       | 09/25/2008 | 09:52:27 | 0.079                     |
| 7132       | 09/25/2008 | 09:52:28 | 0.076                     |
| 7133       | 09/25/2008 | 09:52:29 | 0.077                     |
| 7134       | 09/25/2008 | 09:52:30 | 0.068                     |
| 7135       | 09/25/2008 | 09:52:31 | 0.077                     |
| 7136       | 09/25/2008 | 09:52:32 | 0.074                     |
| 7137       | 09/25/2008 | 09:52:33 | 0.077                     |
| 7138       | 09/25/2008 | 09:52:34 | 0.069                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 7139       | 09/25/2008 | 09:52:35 | 0.082                     |
| 7140       | 09/25/2008 | 09:52:36 | 0.080                     |
| 7141       | 09/25/2008 | 09:52:37 | 0.071                     |
| 7142       | 09/25/2008 | 09:52:38 | 0.085                     |
| 7143       | 09/25/2008 | 09:52:39 | 0.075                     |
| 7144       | 09/25/2008 | 09:52:40 | 0.088                     |
| 7145       | 09/25/2008 | 09:52:41 | 0.103                     |
| 7146       | 09/25/2008 | 09:52:42 | 0.067                     |
| 7147       | 09/25/2008 | 09:52:43 | 0.072                     |
| 7148       | 09/25/2008 | 09:52:44 | 0.069                     |
| 7149       | 09/25/2008 | 09:52:45 | 0.122                     |
| 7150       | 09/25/2008 | 09:52:46 | 0.084                     |
| 7151       | 09/25/2008 | 09:52:47 | 0.079                     |
| 7152       | 09/25/2008 | 09:52:48 | 0.077                     |
| 7153       | 09/25/2008 | 09:52:49 | 0.071                     |
| 7154       | 09/25/2008 | 09:52:50 | 0.071                     |
| 7155       | 09/25/2008 | 09:52:51 | 0.071                     |
| 7156       | 09/25/2008 | 09:52:52 | 0.087                     |
| 7157       | 09/25/2008 | 09:52:53 | 0.076                     |
| 7158       | 09/25/2008 | 09:52:54 | 0.074                     |
| 7159       | 09/25/2008 | 09:52:55 | 0.078                     |
| 7160       | 09/25/2008 | 09:52:56 | 0.091                     |
| 7161       | 09/25/2008 | 09:52:57 | 0.072                     |
| 7162       | 09/25/2008 | 09:52:58 | 0.075                     |
| 7163       | 09/25/2008 | 09:52:59 | 0.073                     |
| 7164       | 09/25/2008 | 09:53:00 | 0.079                     |
| 7165       | 09/25/2008 | 09:53:01 | 0.076                     |
| 7166       | 09/25/2008 | 09:53:02 | 0.070                     |
| 7167       | 09/25/2008 | 09:53:03 | 0.073                     |
| 7168       | 09/25/2008 | 09:53:04 | 0.072                     |
| 7169       | 09/25/2008 | 09:53:05 | 0.073                     |
| 7170       | 09/25/2008 | 09:53:06 | 0.074                     |
| 7171       | 09/25/2008 | 09:53:07 | 0.070                     |
| 7172       | 09/25/2008 | 09:53:08 | 0.073                     |
| 7173       | 09/25/2008 | 09:53:09 | 0.072                     |
| 7174       | 09/25/2008 | 09:53:10 | 0.080                     |
| 7175       | 09/25/2008 | 09:53:11 | 0.072                     |
| 7176       | 09/25/2008 | 09:53:12 | 0.091                     |
| 7177       | 09/25/2008 | 09:53:13 | 0.080                     |
| 7178       | 09/25/2008 | 09:53:14 | 0.073                     |
| 7179       | 09/25/2008 | 09:53:15 | 0.078                     |
| 7180       | 09/25/2008 | 09:53:16 | 0.085                     |
| 7181       | 09/25/2008 | 09:53:17 | 0.070                     |
| 7182       | 09/25/2008 | 09:53:18 | 0.072                     |
| 7183       | 09/25/2008 | 09:53:19 | 0.075                     |
| 7184       | 09/25/2008 | 09:53:20 | 0.071                     |
| 7185       | 09/25/2008 | 09:53:21 | 0.086                     |
| 7186       | 09/25/2008 | 09:53:22 | 0.073                     |
| 7187       | 09/25/2008 | 09:53:23 | 0.072                     |
| 7188       | 09/25/2008 | 09:53:24 | 0.075                     |
| 7189       | 09/25/2008 | 09:53:25 | 0.074                     |
| 7190       | 09/25/2008 | 09:53:26 | 0.083                     |
| 7191       | 09/25/2008 | 09:53:27 | 0.105                     |
| 7192       | 09/25/2008 | 09:53:28 | 0.083                     |
| 7193       | 09/25/2008 | 09:53:29 | 0.077                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 7194       | 09/25/2008 | 09:53:30 | 0.092                     |
| 7195       | 09/25/2008 | 09:53:31 | 0.092                     |
| 7196       | 09/25/2008 | 09:53:32 | 0.146                     |
| 7197       | 09/25/2008 | 09:53:33 | 0.073                     |
| 7198       | 09/25/2008 | 09:53:34 | 0.105                     |
| 7199       | 09/25/2008 | 09:53:35 | 0.138                     |
| 7200       | 09/25/2008 | 09:53:36 | 0.097                     |
| 7201       | 09/25/2008 | 09:53:37 | 0.087                     |
| 7202       | 09/25/2008 | 09:53:38 | 0.073                     |
| 7203       | 09/25/2008 | 09:53:39 | 0.068                     |
| 7204       | 09/25/2008 | 09:53:40 | 0.101                     |
| 7205       | 09/25/2008 | 09:53:41 | 0.078                     |
| 7206       | 09/25/2008 | 09:53:42 | 0.080                     |
| 7207       | 09/25/2008 | 09:53:43 | 0.080                     |
| 7208       | 09/25/2008 | 09:53:44 | 0.076                     |
| 7209       | 09/25/2008 | 09:53:45 | 0.077                     |
| 7210       | 09/25/2008 | 09:53:46 | 0.079                     |
| 7211       | 09/25/2008 | 09:53:47 | 0.078                     |
| 7212       | 09/25/2008 | 09:53:48 | 0.079                     |
| 7213       | 09/25/2008 | 09:53:49 | 0.082                     |
| 7214       | 09/25/2008 | 09:53:50 | 0.073                     |
| 7215       | 09/25/2008 | 09:53:51 | 0.082                     |
| 7216       | 09/25/2008 | 09:53:52 | 0.077                     |
| 7217       | 09/25/2008 | 09:53:53 | 0.075                     |
| 7218       | 09/25/2008 | 09:53:54 | 0.083                     |
| 7219       | 09/25/2008 | 09:53:55 | 0.087                     |
| 7220       | 09/25/2008 | 09:53:56 | 0.077                     |
| 7221       | 09/25/2008 | 09:53:57 | 0.072                     |
| 7222       | 09/25/2008 | 09:53:58 | 0.074                     |
| 7223       | 09/25/2008 | 09:53:59 | 0.075                     |
| 7224       | 09/25/2008 | 09:54:00 | 0.068                     |
| 7225       | 09/25/2008 | 09:54:01 | 0.074                     |
| 7226       | 09/25/2008 | 09:54:02 | 0.077                     |
| 7227       | 09/25/2008 | 09:54:03 | 0.074                     |
| 7228       | 09/25/2008 | 09:54:04 | 0.081                     |
| 7229       | 09/25/2008 | 09:54:05 | 0.088                     |
| 7230       | 09/25/2008 | 09:54:06 | 0.074                     |
| 7231       | 09/25/2008 | 09:54:07 | 0.084                     |
| 7232       | 09/25/2008 | 09:54:08 | 0.078                     |
| 7233       | 09/25/2008 | 09:54:09 | 0.072                     |
| 7234       | 09/25/2008 | 09:54:10 | 0.093                     |
| 7235       | 09/25/2008 | 09:54:11 | 0.077                     |
| 7236       | 09/25/2008 | 09:54:12 | 0.074                     |
| 7237       | 09/25/2008 | 09:54:13 | 0.074                     |
| 7238       | 09/25/2008 | 09:54:14 | 0.078                     |
| 7239       | 09/25/2008 | 09:54:15 | 0.082                     |
| 7240       | 09/25/2008 | 09:54:16 | 0.075                     |
| 7241       | 09/25/2008 | 09:54:17 | 0.078                     |
| 7242       | 09/25/2008 | 09:54:18 | 0.074                     |
| 7243       | 09/25/2008 | 09:54:19 | 0.074                     |
| 7244       | 09/25/2008 | 09:54:20 | 0.083                     |
| 7245       | 09/25/2008 | 09:54:21 | 0.139                     |
| 7246       | 09/25/2008 | 09:54:22 | 0.078                     |
| 7247       | 09/25/2008 | 09:54:23 | 0.073                     |
| 7248       | 09/25/2008 | 09:54:24 | 0.073                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 7249       | 09/25/2008 | 09:54:25 | 0.075                     |
| 7250       | 09/25/2008 | 09:54:26 | 0.074                     |
| 7251       | 09/25/2008 | 09:54:27 | 0.085                     |
| 7252       | 09/25/2008 | 09:54:28 | 0.086                     |
| 7253       | 09/25/2008 | 09:54:29 | 0.081                     |
| 7254       | 09/25/2008 | 09:54:30 | 0.071                     |
| 7255       | 09/25/2008 | 09:54:31 | 0.074                     |
| 7256       | 09/25/2008 | 09:54:32 | 0.079                     |
| 7257       | 09/25/2008 | 09:54:33 | 0.104                     |
| 7258       | 09/25/2008 | 09:54:34 | 0.097                     |
| 7259       | 09/25/2008 | 09:54:35 | 0.073                     |
| 7260       | 09/25/2008 | 09:54:36 | 0.079                     |
| 7261       | 09/25/2008 | 09:54:37 | 0.095                     |
| 7262       | 09/25/2008 | 09:54:38 | 0.079                     |
| 7263       | 09/25/2008 | 09:54:39 | 0.076                     |
| 7264       | 09/25/2008 | 09:54:40 | 0.086                     |
| 7265       | 09/25/2008 | 09:54:41 | 0.119                     |
| 7266       | 09/25/2008 | 09:54:42 | 0.070                     |
| 7267       | 09/25/2008 | 09:54:43 | 0.096                     |
| 7268       | 09/25/2008 | 09:54:44 | 0.075                     |
| 7269       | 09/25/2008 | 09:54:45 | 0.129                     |
| 7270       | 09/25/2008 | 09:54:46 | 0.139                     |
| 7271       | 09/25/2008 | 09:54:47 | 0.084                     |
| 7272       | 09/25/2008 | 09:54:48 | 0.079                     |
| 7273       | 09/25/2008 | 09:54:49 | 0.094                     |
| 7274       | 09/25/2008 | 09:54:50 | 0.098                     |
| 7275       | 09/25/2008 | 09:54:51 | 0.074                     |
| 7276       | 09/25/2008 | 09:54:52 | 0.069                     |
| 7277       | 09/25/2008 | 09:54:53 | 0.084                     |
| 7278       | 09/25/2008 | 09:54:54 | 0.073                     |
| 7279       | 09/25/2008 | 09:54:55 | 0.077                     |
| 7280       | 09/25/2008 | 09:54:56 | 0.111                     |
| 7281       | 09/25/2008 | 09:54:57 | 0.079                     |
| 7282       | 09/25/2008 | 09:54:58 | 0.074                     |
| 7283       | 09/25/2008 | 09:54:59 | 0.079                     |
| 7284       | 09/25/2008 | 09:55:00 | 0.077                     |
| 7285       | 09/25/2008 | 09:55:01 | 0.073                     |
| 7286       | 09/25/2008 | 09:55:02 | 0.090                     |
| 7287       | 09/25/2008 | 09:55:03 | 0.078                     |
| 7288       | 09/25/2008 | 09:55:04 | 0.101                     |
| 7289       | 09/25/2008 | 09:55:05 | 0.075                     |
| 7290       | 09/25/2008 | 09:55:06 | 0.080                     |
| 7291       | 09/25/2008 | 09:55:07 | 0.101                     |
| 7292       | 09/25/2008 | 09:55:08 | 0.070                     |
| 7293       | 09/25/2008 | 09:55:09 | 0.072                     |
| 7294       | 09/25/2008 | 09:55:10 | 0.080                     |
| 7295       | 09/25/2008 | 09:55:11 | 0.085                     |
| 7296       | 09/25/2008 | 09:55:12 | 0.073                     |
| 7297       | 09/25/2008 | 09:55:13 | 0.070                     |
| 7298       | 09/25/2008 | 09:55:14 | 0.075                     |
| 7299       | 09/25/2008 | 09:55:15 | 0.071                     |
| 7300       | 09/25/2008 | 09:55:16 | 0.080                     |
| 7301       | 09/25/2008 | 09:55:17 | 0.079                     |
| 7302       | 09/25/2008 | 09:55:18 | 0.100                     |
| 7303       | 09/25/2008 | 09:55:19 | 0.070                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 7304       | 09/25/2008 | 09:55:20 | 0.069                     |
| 7305       | 09/25/2008 | 09:55:21 | 0.073                     |
| 7306       | 09/25/2008 | 09:55:22 | 0.070                     |
| 7307       | 09/25/2008 | 09:55:23 | 0.073                     |
| 7308       | 09/25/2008 | 09:55:24 | 0.101                     |
| 7309       | 09/25/2008 | 09:55:25 | 0.090                     |
| 7310       | 09/25/2008 | 09:55:26 | 0.115                     |
| 7311       | 09/25/2008 | 09:55:27 | 0.077                     |
| 7312       | 09/25/2008 | 09:55:28 | 0.083                     |
| 7313       | 09/25/2008 | 09:55:29 | 0.071                     |
| 7314       | 09/25/2008 | 09:55:30 | 0.098                     |
| 7315       | 09/25/2008 | 09:55:31 | 0.080                     |
| 7316       | 09/25/2008 | 09:55:32 | 0.076                     |
| 7317       | 09/25/2008 | 09:55:33 | 0.073                     |
| 7318       | 09/25/2008 | 09:55:34 | 0.075                     |
| 7319       | 09/25/2008 | 09:55:35 | 0.076                     |
| 7320       | 09/25/2008 | 09:55:36 | 0.078                     |
| 7321       | 09/25/2008 | 09:55:37 | 0.082                     |
| 7322       | 09/25/2008 | 09:55:38 | 0.086                     |
| 7323       | 09/25/2008 | 09:55:39 | 0.120                     |
| 7324       | 09/25/2008 | 09:55:40 | 0.106                     |
| 7325       | 09/25/2008 | 09:55:41 | 0.084                     |
| 7326       | 09/25/2008 | 09:55:42 | 0.107                     |
| 7327       | 09/25/2008 | 09:55:43 | 0.206                     |
| 7328       | 09/25/2008 | 09:55:44 | 0.088                     |
| 7329       | 09/25/2008 | 09:55:45 | 0.082                     |
| 7330       | 09/25/2008 | 09:55:46 | 0.076                     |
| 7331       | 09/25/2008 | 09:55:47 | 0.082                     |
| 7332       | 09/25/2008 | 09:55:48 | 0.074                     |
| 7333       | 09/25/2008 | 09:55:49 | 0.168                     |
| 7334       | 09/25/2008 | 09:55:50 | 0.080                     |
| 7335       | 09/25/2008 | 09:55:51 | 0.114                     |
| 7336       | 09/25/2008 | 09:55:52 | 0.070                     |
| 7337       | 09/25/2008 | 09:55:53 | 0.075                     |
| 7338       | 09/25/2008 | 09:55:54 | 0.081                     |
| 7339       | 09/25/2008 | 09:55:55 | 0.071                     |
| 7340       | 09/25/2008 | 09:55:56 | 0.090                     |
| 7341       | 09/25/2008 | 09:55:57 | 0.072                     |
| 7342       | 09/25/2008 | 09:55:58 | 0.081                     |
| 7343       | 09/25/2008 | 09:55:59 | 0.070                     |
| 7344       | 09/25/2008 | 09:56:00 | 0.072                     |
| 7345       | 09/25/2008 | 09:56:01 | 0.092                     |
| 7346       | 09/25/2008 | 09:56:02 | 0.073                     |
| 7347       | 09/25/2008 | 09:56:03 | 0.079                     |
| 7348       | 09/25/2008 | 09:56:04 | 0.078                     |
| 7349       | 09/25/2008 | 09:56:05 | 0.071                     |
| 7350       | 09/25/2008 | 09:56:06 | 0.073                     |
| 7351       | 09/25/2008 | 09:56:07 | 0.090                     |
| 7352       | 09/25/2008 | 09:56:08 | 0.066                     |
| 7353       | 09/25/2008 | 09:56:09 | 0.082                     |
| 7354       | 09/25/2008 | 09:56:10 | 0.082                     |
| 7355       | 09/25/2008 | 09:56:11 | 0.072                     |
| 7356       | 09/25/2008 | 09:56:12 | 0.078                     |
| 7357       | 09/25/2008 | 09:56:13 | 0.071                     |
| 7358       | 09/25/2008 | 09:56:14 | 0.076                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 7359       | 09/25/2008 | 09:56:15 | 0.065                     |
| 7360       | 09/25/2008 | 09:56:16 | 0.068                     |
| 7361       | 09/25/2008 | 09:56:17 | 0.075                     |
| 7362       | 09/25/2008 | 09:56:18 | 0.071                     |
| 7363       | 09/25/2008 | 09:56:19 | 0.073                     |
| 7364       | 09/25/2008 | 09:56:20 | 0.073                     |
| 7365       | 09/25/2008 | 09:56:21 | 0.075                     |
| 7366       | 09/25/2008 | 09:56:22 | 0.071                     |
| 7367       | 09/25/2008 | 09:56:23 | 0.072                     |
| 7368       | 09/25/2008 | 09:56:24 | 0.075                     |
| 7369       | 09/25/2008 | 09:56:25 | 0.081                     |
| 7370       | 09/25/2008 | 09:56:26 | 0.073                     |
| 7371       | 09/25/2008 | 09:56:27 | 0.070                     |
| 7372       | 09/25/2008 | 09:56:28 | 0.071                     |
| 7373       | 09/25/2008 | 09:56:29 | 0.069                     |
| 7374       | 09/25/2008 | 09:56:30 | 0.076                     |
| 7375       | 09/25/2008 | 09:56:31 | 0.140                     |
| 7376       | 09/25/2008 | 09:56:32 | 0.235                     |
| 7377       | 09/25/2008 | 09:56:33 | 0.209                     |
| 7378       | 09/25/2008 | 09:56:34 | 0.130                     |
| 7379       | 09/25/2008 | 09:56:35 | 0.133                     |
| 7380       | 09/25/2008 | 09:56:36 | 0.112                     |
| 7381       | 09/25/2008 | 09:56:37 | 0.098                     |
| 7382       | 09/25/2008 | 09:56:38 | 0.119                     |
| 7383       | 09/25/2008 | 09:56:39 | 0.089                     |
| 7384       | 09/25/2008 | 09:56:40 | 0.083                     |
| 7385       | 09/25/2008 | 09:56:41 | 0.093                     |
| 7386       | 09/25/2008 | 09:56:42 | 0.091                     |
| 7387       | 09/25/2008 | 09:56:43 | 0.081                     |
| 7388       | 09/25/2008 | 09:56:44 | 0.081                     |
| 7389       | 09/25/2008 | 09:56:45 | 0.089                     |
| 7390       | 09/25/2008 | 09:56:46 | 0.079                     |
| 7391       | 09/25/2008 | 09:56:47 | 0.076                     |
| 7392       | 09/25/2008 | 09:56:48 | 0.078                     |
| 7393       | 09/25/2008 | 09:56:49 | 0.121                     |
| 7394       | 09/25/2008 | 09:56:50 | 0.104                     |
| 7395       | 09/25/2008 | 09:56:51 | 0.097                     |
| 7396       | 09/25/2008 | 09:56:52 | 0.081                     |
| 7397       | 09/25/2008 | 09:56:53 | 0.093                     |
| 7398       | 09/25/2008 | 09:56:54 | 0.067                     |
| 7399       | 09/25/2008 | 09:56:55 | 0.087                     |
| 7400       | 09/25/2008 | 09:56:56 | 0.077                     |
| 7401       | 09/25/2008 | 09:56:57 | 0.071                     |
| 7402       | 09/25/2008 | 09:56:58 | 0.077                     |
| 7403       | 09/25/2008 | 09:56:59 | 0.072                     |
| 7404       | 09/25/2008 | 09:57:00 | 0.069                     |
| 7405       | 09/25/2008 | 09:57:01 | 0.069                     |
| 7406       | 09/25/2008 | 09:57:02 | 0.074                     |
| 7407       | 09/25/2008 | 09:57:03 | 0.077                     |
| 7408       | 09/25/2008 | 09:57:04 | 0.081                     |
| 7409       | 09/25/2008 | 09:57:05 | 0.072                     |
| 7410       | 09/25/2008 | 09:57:06 | 0.076                     |
| 7411       | 09/25/2008 | 09:57:07 | 0.084                     |
| 7412       | 09/25/2008 | 09:57:08 | 0.075                     |
| 7413       | 09/25/2008 | 09:57:09 | 0.083                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 7414       | 09/25/2008 | 09:57:10 | 0.074                     |
| 7415       | 09/25/2008 | 09:57:11 | 0.077                     |
| 7416       | 09/25/2008 | 09:57:12 | 0.080                     |
| 7417       | 09/25/2008 | 09:57:13 | 0.077                     |
| 7418       | 09/25/2008 | 09:57:14 | 0.072                     |
| 7419       | 09/25/2008 | 09:57:15 | 0.074                     |
| 7420       | 09/25/2008 | 09:57:16 | 0.076                     |
| 7421       | 09/25/2008 | 09:57:17 | 0.076                     |
| 7422       | 09/25/2008 | 09:57:18 | 0.070                     |
| 7423       | 09/25/2008 | 09:57:19 | 0.071                     |
| 7424       | 09/25/2008 | 09:57:20 | 0.129                     |
| 7425       | 09/25/2008 | 09:57:21 | 0.068                     |
| 7426       | 09/25/2008 | 09:57:22 | 0.115                     |
| 7427       | 09/25/2008 | 09:57:23 | 0.068                     |
| 7428       | 09/25/2008 | 09:57:24 | 0.072                     |
| 7429       | 09/25/2008 | 09:57:25 | 0.072                     |
| 7430       | 09/25/2008 | 09:57:26 | 0.118                     |
| 7431       | 09/25/2008 | 09:57:27 | 0.089                     |
| 7432       | 09/25/2008 | 09:57:28 | 0.074                     |
| 7433       | 09/25/2008 | 09:57:29 | 0.076                     |
| 7434       | 09/25/2008 | 09:57:30 | 0.074                     |
| 7435       | 09/25/2008 | 09:57:31 | 0.079                     |
| 7436       | 09/25/2008 | 09:57:32 | 0.081                     |
| 7437       | 09/25/2008 | 09:57:33 | 0.080                     |
| 7438       | 09/25/2008 | 09:57:34 | 0.091                     |
| 7439       | 09/25/2008 | 09:57:35 | 0.083                     |
| 7440       | 09/25/2008 | 09:57:36 | 0.084                     |
| 7441       | 09/25/2008 | 09:57:37 | 0.100                     |
| 7442       | 09/25/2008 | 09:57:38 | 0.085                     |
| 7443       | 09/25/2008 | 09:57:39 | 0.084                     |
| 7444       | 09/25/2008 | 09:57:40 | 0.088                     |
| 7445       | 09/25/2008 | 09:57:41 | 0.096                     |
| 7446       | 09/25/2008 | 09:57:42 | 0.116                     |
| 7447       | 09/25/2008 | 09:57:43 | 0.092                     |
| 7448       | 09/25/2008 | 09:57:44 | 0.074                     |
| 7449       | 09/25/2008 | 09:57:45 | 0.084                     |
| 7450       | 09/25/2008 | 09:57:46 | 0.079                     |
| 7451       | 09/25/2008 | 09:57:47 | 0.093                     |
| 7452       | 09/25/2008 | 09:57:48 | 0.072                     |
| 7453       | 09/25/2008 | 09:57:49 | 0.070                     |
| 7454       | 09/25/2008 | 09:57:50 | 0.081                     |
| 7455       | 09/25/2008 | 09:57:51 | 0.073                     |
| 7456       | 09/25/2008 | 09:57:52 | 0.082                     |
| 7457       | 09/25/2008 | 09:57:53 | 0.074                     |
| 7458       | 09/25/2008 | 09:57:54 | 0.075                     |
| 7459       | 09/25/2008 | 09:57:55 | 0.074                     |
| 7460       | 09/25/2008 | 09:57:56 | 0.070                     |
| 7461       | 09/25/2008 | 09:57:57 | 0.089                     |
| 7462       | 09/25/2008 | 09:57:58 | 0.084                     |
| 7463       | 09/25/2008 | 09:57:59 | 0.075                     |
| 7464       | 09/25/2008 | 09:58:00 | 0.074                     |
| 7465       | 09/25/2008 | 09:58:01 | 0.076                     |
| 7466       | 09/25/2008 | 09:58:02 | 0.071                     |
| 7467       | 09/25/2008 | 09:58:03 | 0.081                     |
| 7468       | 09/25/2008 | 09:58:04 | 0.085                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 7469       | 09/25/2008 | 09:58:05 | 0.087                     |
| 7470       | 09/25/2008 | 09:58:06 | 0.100                     |
| 7471       | 09/25/2008 | 09:58:07 | 0.071                     |
| 7472       | 09/25/2008 | 09:58:08 | 0.085                     |
| 7473       | 09/25/2008 | 09:58:09 | 0.080                     |
| 7474       | 09/25/2008 | 09:58:10 | 0.078                     |
| 7475       | 09/25/2008 | 09:58:11 | 0.073                     |
| 7476       | 09/25/2008 | 09:58:12 | 0.075                     |
| 7477       | 09/25/2008 | 09:58:13 | 0.077                     |
| 7478       | 09/25/2008 | 09:58:14 | 0.084                     |
| 7479       | 09/25/2008 | 09:58:15 | 0.096                     |
| 7480       | 09/25/2008 | 09:58:16 | 0.084                     |
| 7481       | 09/25/2008 | 09:58:17 | 0.074                     |
| 7482       | 09/25/2008 | 09:58:18 | 0.073                     |
| 7483       | 09/25/2008 | 09:58:19 | 0.076                     |
| 7484       | 09/25/2008 | 09:58:20 | 0.077                     |
| 7485       | 09/25/2008 | 09:58:21 | 0.078                     |
| 7486       | 09/25/2008 | 09:58:22 | 0.073                     |
| 7487       | 09/25/2008 | 09:58:23 | 0.068                     |
| 7488       | 09/25/2008 | 09:58:24 | 0.073                     |
| 7489       | 09/25/2008 | 09:58:25 | 0.066                     |
| 7490       | 09/25/2008 | 09:58:26 | 0.082                     |
| 7491       | 09/25/2008 | 09:58:27 | 0.069                     |
| 7492       | 09/25/2008 | 09:58:28 | 0.094                     |
| 7493       | 09/25/2008 | 09:58:29 | 0.080                     |
| 7494       | 09/25/2008 | 09:58:30 | 0.072                     |
| 7495       | 09/25/2008 | 09:58:31 | 0.080                     |
| 7496       | 09/25/2008 | 09:58:32 | 0.071                     |
| 7497       | 09/25/2008 | 09:58:33 | 0.076                     |
| 7498       | 09/25/2008 | 09:58:34 | 0.080                     |
| 7499       | 09/25/2008 | 09:58:35 | 0.077                     |
| 7500       | 09/25/2008 | 09:58:36 | 0.076                     |
| 7501       | 09/25/2008 | 09:58:37 | 0.080                     |
| 7502       | 09/25/2008 | 09:58:38 | 0.095                     |
| 7503       | 09/25/2008 | 09:58:39 | 0.168                     |
| 7504       | 09/25/2008 | 09:58:40 | 0.139                     |
| 7505       | 09/25/2008 | 09:58:41 | 0.105                     |
| 7506       | 09/25/2008 | 09:58:42 | 0.089                     |
| 7507       | 09/25/2008 | 09:58:43 | 0.079                     |
| 7508       | 09/25/2008 | 09:58:44 | 0.162                     |
| 7509       | 09/25/2008 | 09:58:45 | 0.094                     |
| 7510       | 09/25/2008 | 09:58:46 | 0.143                     |
| 7511       | 09/25/2008 | 09:58:47 | 0.085                     |
| 7512       | 09/25/2008 | 09:58:48 | 0.079                     |
| 7513       | 09/25/2008 | 09:58:49 | 0.072                     |
| 7514       | 09/25/2008 | 09:58:50 | 0.072                     |
| 7515       | 09/25/2008 | 09:58:51 | 0.084                     |
| 7516       | 09/25/2008 | 09:58:52 | 0.088                     |
| 7517       | 09/25/2008 | 09:58:53 | 0.104                     |
| 7518       | 09/25/2008 | 09:58:54 | 0.084                     |
| 7519       | 09/25/2008 | 09:58:55 | 0.077                     |
| 7520       | 09/25/2008 | 09:58:56 | 0.075                     |
| 7521       | 09/25/2008 | 09:58:57 | 0.081                     |
| 7522       | 09/25/2008 | 09:58:58 | 0.118                     |
| 7523       | 09/25/2008 | 09:58:59 | 0.083                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 7524       | 09/25/2008 | 09:59:00 | 0.076                     |
| 7525       | 09/25/2008 | 09:59:01 | 0.068                     |
| 7526       | 09/25/2008 | 09:59:02 | 0.081                     |
| 7527       | 09/25/2008 | 09:59:03 | 0.070                     |
| 7528       | 09/25/2008 | 09:59:04 | 0.071                     |
| 7529       | 09/25/2008 | 09:59:05 | 0.071                     |
| 7530       | 09/25/2008 | 09:59:06 | 0.078                     |
| 7531       | 09/25/2008 | 09:59:07 | 0.078                     |
| 7532       | 09/25/2008 | 09:59:08 | 0.132                     |
| 7533       | 09/25/2008 | 09:59:09 | 0.080                     |
| 7534       | 09/25/2008 | 09:59:10 | 0.083                     |
| 7535       | 09/25/2008 | 09:59:11 | 0.075                     |
| 7536       | 09/25/2008 | 09:59:12 | 0.076                     |
| 7537       | 09/25/2008 | 09:59:13 | 0.092                     |
| 7538       | 09/25/2008 | 09:59:14 | 0.079                     |
| 7539       | 09/25/2008 | 09:59:15 | 0.073                     |
| 7540       | 09/25/2008 | 09:59:16 | 0.084                     |
| 7541       | 09/25/2008 | 09:59:17 | 0.075                     |
| 7542       | 09/25/2008 | 09:59:18 | 0.094                     |
| 7543       | 09/25/2008 | 09:59:19 | 0.082                     |
| 7544       | 09/25/2008 | 09:59:20 | 0.070                     |
| 7545       | 09/25/2008 | 09:59:21 | 0.073                     |
| 7546       | 09/25/2008 | 09:59:22 | 0.072                     |
| 7547       | 09/25/2008 | 09:59:23 | 0.065                     |
| 7548       | 09/25/2008 | 09:59:24 | 0.070                     |
| 7549       | 09/25/2008 | 09:59:25 | 0.080                     |
| 7550       | 09/25/2008 | 09:59:26 | 0.080                     |
| 7551       | 09/25/2008 | 09:59:27 | 0.076                     |
| 7552       | 09/25/2008 | 09:59:28 | 0.092                     |
| 7553       | 09/25/2008 | 09:59:29 | 0.092                     |
| 7554       | 09/25/2008 | 09:59:30 | 0.072                     |
| 7555       | 09/25/2008 | 09:59:31 | 0.068                     |
| 7556       | 09/25/2008 | 09:59:32 | 0.076                     |
| 7557       | 09/25/2008 | 09:59:33 | 0.068                     |
| 7558       | 09/25/2008 | 09:59:34 | 0.089                     |
| 7559       | 09/25/2008 | 09:59:35 | 0.085                     |
| 7560       | 09/25/2008 | 09:59:36 | 0.068                     |
| 7561       | 09/25/2008 | 09:59:37 | 0.074                     |
| 7562       | 09/25/2008 | 09:59:38 | 0.090                     |
| 7563       | 09/25/2008 | 09:59:39 | 0.081                     |
| 7564       | 09/25/2008 | 09:59:40 | 0.084                     |
| 7565       | 09/25/2008 | 09:59:41 | 0.082                     |
| 7566       | 09/25/2008 | 09:59:42 | 0.086                     |
| 7567       | 09/25/2008 | 09:59:43 | 0.077                     |
| 7568       | 09/25/2008 | 09:59:44 | 0.090                     |
| 7569       | 09/25/2008 | 09:59:45 | 0.072                     |
| 7570       | 09/25/2008 | 09:59:46 | 0.073                     |
| 7571       | 09/25/2008 | 09:59:47 | 0.078                     |
| 7572       | 09/25/2008 | 09:59:48 | 0.071                     |
| 7573       | 09/25/2008 | 09:59:49 | 0.077                     |
| 7574       | 09/25/2008 | 09:59:50 | 0.074                     |
| 7575       | 09/25/2008 | 09:59:51 | 0.072                     |
| 7576       | 09/25/2008 | 09:59:52 | 0.079                     |
| 7577       | 09/25/2008 | 09:59:53 | 0.075                     |
| 7578       | 09/25/2008 | 09:59:54 | 0.089                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 7579       | 09/25/2008 | 09:59:55 | 0.071                     |
| 7580       | 09/25/2008 | 09:59:56 | 0.076                     |
| 7581       | 09/25/2008 | 09:59:57 | 0.100                     |
| 7582       | 09/25/2008 | 09:59:58 | 0.092                     |
| 7583       | 09/25/2008 | 09:59:59 | 0.072                     |
| 7584       | 09/25/2008 | 10:00:00 | 0.087                     |
| 7585       | 09/25/2008 | 10:00:01 | 0.079                     |
| 7586       | 09/25/2008 | 10:00:02 | 0.075                     |
| 7587       | 09/25/2008 | 10:00:03 | 0.069                     |
| 7588       | 09/25/2008 | 10:00:04 | 0.071                     |
| 7589       | 09/25/2008 | 10:00:05 | 0.086                     |
| 7590       | 09/25/2008 | 10:00:06 | 0.076                     |
| 7591       | 09/25/2008 | 10:00:07 | 0.075                     |
| 7592       | 09/25/2008 | 10:00:08 | 0.156                     |
| 7593       | 09/25/2008 | 10:00:09 | 0.070                     |
| 7594       | 09/25/2008 | 10:00:10 | 0.080                     |
| 7595       | 09/25/2008 | 10:00:11 | 0.151                     |
| 7596       | 09/25/2008 | 10:00:12 | 0.080                     |
| 7597       | 09/25/2008 | 10:00:13 | 0.073                     |
| 7598       | 09/25/2008 | 10:00:14 | 0.071                     |
| 7599       | 09/25/2008 | 10:00:15 | 0.072                     |
| 7600       | 09/25/2008 | 10:00:16 | 0.098                     |
| 7601       | 09/25/2008 | 10:00:17 | 0.074                     |
| 7602       | 09/25/2008 | 10:00:18 | 0.116                     |
| 7603       | 09/25/2008 | 10:00:19 | 0.078                     |
| 7604       | 09/25/2008 | 10:00:20 | 0.074                     |
| 7605       | 09/25/2008 | 10:00:21 | 0.075                     |
| 7606       | 09/25/2008 | 10:00:22 | 0.095                     |
| 7607       | 09/25/2008 | 10:00:23 | 0.070                     |
| 7608       | 09/25/2008 | 10:00:24 | 0.072                     |
| 7609       | 09/25/2008 | 10:00:25 | 0.081                     |
| 7610       | 09/25/2008 | 10:00:26 | 0.074                     |
| 7611       | 09/25/2008 | 10:00:27 | 0.074                     |
| 7612       | 09/25/2008 | 10:00:28 | 0.080                     |
| 7613       | 09/25/2008 | 10:00:29 | 0.073                     |
| 7614       | 09/25/2008 | 10:00:30 | 0.074                     |
| 7615       | 09/25/2008 | 10:00:31 | 0.069                     |
| 7616       | 09/25/2008 | 10:00:32 | 0.080                     |
| 7617       | 09/25/2008 | 10:00:33 | 0.082                     |
| 7618       | 09/25/2008 | 10:00:34 | 0.084                     |
| 7619       | 09/25/2008 | 10:00:35 | 0.109                     |
| 7620       | 09/25/2008 | 10:00:36 | 0.070                     |
| 7621       | 09/25/2008 | 10:00:37 | 0.079                     |
| 7622       | 09/25/2008 | 10:00:38 | 0.156                     |
| 7623       | 09/25/2008 | 10:00:39 | 0.071                     |
| 7624       | 09/25/2008 | 10:00:40 | 0.075                     |
| 7625       | 09/25/2008 | 10:00:41 | 0.078                     |
| 7626       | 09/25/2008 | 10:00:42 | 0.079                     |
| 7627       | 09/25/2008 | 10:00:43 | 0.079                     |
| 7628       | 09/25/2008 | 10:00:44 | 0.072                     |
| 7629       | 09/25/2008 | 10:00:45 | 0.079                     |
| 7630       | 09/25/2008 | 10:00:46 | 0.070                     |
| 7631       | 09/25/2008 | 10:00:47 | 0.124                     |
| 7632       | 09/25/2008 | 10:00:48 | 0.078                     |
| 7633       | 09/25/2008 | 10:00:49 | 0.083                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 7634       | 09/25/2008 | 10:00:50 | 0.070                     |
| 7635       | 09/25/2008 | 10:00:51 | 0.074                     |
| 7636       | 09/25/2008 | 10:00:52 | 0.070                     |
| 7637       | 09/25/2008 | 10:00:53 | 0.082                     |
| 7638       | 09/25/2008 | 10:00:54 | 0.073                     |
| 7639       | 09/25/2008 | 10:00:55 | 0.082                     |
| 7640       | 09/25/2008 | 10:00:56 | 0.087                     |
| 7641       | 09/25/2008 | 10:00:57 | 0.078                     |
| 7642       | 09/25/2008 | 10:00:58 | 0.088                     |
| 7643       | 09/25/2008 | 10:00:59 | 0.081                     |
| 7644       | 09/25/2008 | 10:01:00 | 0.080                     |
| 7645       | 09/25/2008 | 10:01:01 | 0.074                     |
| 7646       | 09/25/2008 | 10:01:02 | 0.066                     |
| 7647       | 09/25/2008 | 10:01:03 | 0.072                     |
| 7648       | 09/25/2008 | 10:01:04 | 0.073                     |
| 7649       | 09/25/2008 | 10:01:05 | 0.071                     |
| 7650       | 09/25/2008 | 10:01:06 | 0.066                     |
| 7651       | 09/25/2008 | 10:01:07 | 0.116                     |
| 7652       | 09/25/2008 | 10:01:08 | 0.088                     |
| 7653       | 09/25/2008 | 10:01:09 | 0.070                     |
| 7654       | 09/25/2008 | 10:01:10 | 0.137                     |
| 7655       | 09/25/2008 | 10:01:11 | 0.088                     |
| 7656       | 09/25/2008 | 10:01:12 | 0.102                     |
| 7657       | 09/25/2008 | 10:01:13 | 0.137                     |
| 7658       | 09/25/2008 | 10:01:14 | 0.102                     |
| 7659       | 09/25/2008 | 10:01:15 | 0.116                     |
| 7660       | 09/25/2008 | 10:01:16 | 0.106                     |
| 7661       | 09/25/2008 | 10:01:17 | 0.074                     |
| 7662       | 09/25/2008 | 10:01:18 | 0.075                     |
| 7663       | 09/25/2008 | 10:01:19 | 0.075                     |
| 7664       | 09/25/2008 | 10:01:20 | 0.083                     |
| 7665       | 09/25/2008 | 10:01:21 | 0.089                     |
| 7666       | 09/25/2008 | 10:01:22 | 0.074                     |
| 7667       | 09/25/2008 | 10:01:23 | 0.085                     |
| 7668       | 09/25/2008 | 10:01:24 | 0.083                     |
| 7669       | 09/25/2008 | 10:01:25 | 0.084                     |
| 7670       | 09/25/2008 | 10:01:26 | 0.086                     |
| 7671       | 09/25/2008 | 10:01:27 | 0.079                     |
| 7672       | 09/25/2008 | 10:01:28 | 0.074                     |
| 7673       | 09/25/2008 | 10:01:29 | 0.074                     |
| 7674       | 09/25/2008 | 10:01:30 | 0.074                     |
| 7675       | 09/25/2008 | 10:01:31 | 0.073                     |
| 7676       | 09/25/2008 | 10:01:32 | 0.072                     |
| 7677       | 09/25/2008 | 10:01:33 | 0.075                     |
| 7678       | 09/25/2008 | 10:01:34 | 0.072                     |
| 7679       | 09/25/2008 | 10:01:35 | 0.074                     |
| 7680       | 09/25/2008 | 10:01:36 | 0.104                     |
| 7681       | 09/25/2008 | 10:01:37 | 0.074                     |
| 7682       | 09/25/2008 | 10:01:38 | 0.070                     |
| 7683       | 09/25/2008 | 10:01:39 | 0.073                     |
| 7684       | 09/25/2008 | 10:01:40 | 0.118                     |
| 7685       | 09/25/2008 | 10:01:41 | 0.080                     |
| 7686       | 09/25/2008 | 10:01:42 | 0.075                     |
| 7687       | 09/25/2008 | 10:01:43 | 0.109                     |
| 7688       | 09/25/2008 | 10:01:44 | 0.067                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 7689       | 09/25/2008 | 10:01:45 | 0.076                     |
| 7690       | 09/25/2008 | 10:01:46 | 0.066                     |
| 7691       | 09/25/2008 | 10:01:47 | 0.077                     |
| 7692       | 09/25/2008 | 10:01:48 | 0.094                     |
| 7693       | 09/25/2008 | 10:01:49 | 0.070                     |
| 7694       | 09/25/2008 | 10:01:50 | 0.079                     |
| 7695       | 09/25/2008 | 10:01:51 | 0.074                     |
| 7696       | 09/25/2008 | 10:01:52 | 0.072                     |
| 7697       | 09/25/2008 | 10:01:53 | 0.070                     |
| 7698       | 09/25/2008 | 10:01:54 | 0.071                     |
| 7699       | 09/25/2008 | 10:01:55 | 0.081                     |
| 7700       | 09/25/2008 | 10:01:56 | 0.084                     |
| 7701       | 09/25/2008 | 10:01:57 | 0.090                     |
| 7702       | 09/25/2008 | 10:01:58 | 0.074                     |
| 7703       | 09/25/2008 | 10:01:59 | 0.073                     |
| 7704       | 09/25/2008 | 10:02:00 | 0.071                     |
| 7705       | 09/25/2008 | 10:02:01 | 0.075                     |
| 7706       | 09/25/2008 | 10:02:02 | 0.080                     |
| 7707       | 09/25/2008 | 10:02:03 | 0.076                     |
| 7708       | 09/25/2008 | 10:02:04 | 0.076                     |
| 7709       | 09/25/2008 | 10:02:05 | 0.071                     |
| 7710       | 09/25/2008 | 10:02:06 | 0.073                     |
| 7711       | 09/25/2008 | 10:02:07 | 0.089                     |
| 7712       | 09/25/2008 | 10:02:08 | 0.078                     |
| 7713       | 09/25/2008 | 10:02:09 | 0.077                     |
| 7714       | 09/25/2008 | 10:02:10 | 0.072                     |
| 7715       | 09/25/2008 | 10:02:11 | 0.071                     |
| 7716       | 09/25/2008 | 10:02:12 | 0.068                     |
| 7717       | 09/25/2008 | 10:02:13 | 0.070                     |
| 7718       | 09/25/2008 | 10:02:14 | 0.065                     |
| 7719       | 09/25/2008 | 10:02:15 | 0.072                     |
| 7720       | 09/25/2008 | 10:02:16 | 0.071                     |
| 7721       | 09/25/2008 | 10:02:17 | 0.067                     |
| 7722       | 09/25/2008 | 10:02:18 | 0.070                     |
| 7723       | 09/25/2008 | 10:02:19 | 0.078                     |
| 7724       | 09/25/2008 | 10:02:20 | 0.072                     |
| 7725       | 09/25/2008 | 10:02:21 | 0.072                     |
| 7726       | 09/25/2008 | 10:02:22 | 0.073                     |
| 7727       | 09/25/2008 | 10:02:23 | 0.078                     |
| 7728       | 09/25/2008 | 10:02:24 | 0.072                     |
| 7729       | 09/25/2008 | 10:02:25 | 0.073                     |
| 7730       | 09/25/2008 | 10:02:26 | 0.084                     |
| 7731       | 09/25/2008 | 10:02:27 | 0.115                     |
| 7732       | 09/25/2008 | 10:02:28 | 0.075                     |
| 7733       | 09/25/2008 | 10:02:29 | 0.086                     |
| 7734       | 09/25/2008 | 10:02:30 | 0.072                     |
| 7735       | 09/25/2008 | 10:02:31 | 0.071                     |
| 7736       | 09/25/2008 | 10:02:32 | 0.112                     |
| 7737       | 09/25/2008 | 10:02:33 | 0.083                     |
| 7738       | 09/25/2008 | 10:02:34 | 0.078                     |
| 7739       | 09/25/2008 | 10:02:35 | 0.067                     |
| 7740       | 09/25/2008 | 10:02:36 | 0.074                     |
| 7741       | 09/25/2008 | 10:02:37 | 0.067                     |
| 7742       | 09/25/2008 | 10:02:38 | 0.073                     |
| 7743       | 09/25/2008 | 10:02:39 | 0.076                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 7744       | 09/25/2008 | 10:02:40 | 0.130                     |
| 7745       | 09/25/2008 | 10:02:41 | 0.080                     |
| 7746       | 09/25/2008 | 10:02:42 | 0.077                     |
| 7747       | 09/25/2008 | 10:02:43 | 0.089                     |
| 7748       | 09/25/2008 | 10:02:44 | 0.072                     |
| 7749       | 09/25/2008 | 10:02:45 | 0.077                     |
| 7750       | 09/25/2008 | 10:02:46 | 0.075                     |
| 7751       | 09/25/2008 | 10:02:47 | 0.076                     |
| 7752       | 09/25/2008 | 10:02:48 | 0.074                     |
| 7753       | 09/25/2008 | 10:02:49 | 0.069                     |
| 7754       | 09/25/2008 | 10:02:50 | 0.071                     |
| 7755       | 09/25/2008 | 10:02:51 | 0.092                     |
| 7756       | 09/25/2008 | 10:02:52 | 0.098                     |
| 7757       | 09/25/2008 | 10:02:53 | 0.072                     |
| 7758       | 09/25/2008 | 10:02:54 | 0.079                     |
| 7759       | 09/25/2008 | 10:02:55 | 0.072                     |
| 7760       | 09/25/2008 | 10:02:56 | 0.069                     |
| 7761       | 09/25/2008 | 10:02:57 | 0.096                     |
| 7762       | 09/25/2008 | 10:02:58 | 0.091                     |
| 7763       | 09/25/2008 | 10:02:59 | 0.072                     |
| 7764       | 09/25/2008 | 10:03:00 | 0.076                     |
| 7765       | 09/25/2008 | 10:03:01 | 0.085                     |
| 7766       | 09/25/2008 | 10:03:02 | 0.073                     |
| 7767       | 09/25/2008 | 10:03:03 | 0.107                     |
| 7768       | 09/25/2008 | 10:03:04 | 0.083                     |
| 7769       | 09/25/2008 | 10:03:05 | 0.087                     |
| 7770       | 09/25/2008 | 10:03:06 | 0.073                     |
| 7771       | 09/25/2008 | 10:03:07 | 0.072                     |
| 7772       | 09/25/2008 | 10:03:08 | 0.083                     |
| 7773       | 09/25/2008 | 10:03:09 | 0.078                     |
| 7774       | 09/25/2008 | 10:03:10 | 0.071                     |
| 7775       | 09/25/2008 | 10:03:11 | 0.075                     |
| 7776       | 09/25/2008 | 10:03:12 | 0.073                     |
| 7777       | 09/25/2008 | 10:03:13 | 0.079                     |
| 7778       | 09/25/2008 | 10:03:14 | 0.073                     |
| 7779       | 09/25/2008 | 10:03:15 | 0.080                     |
| 7780       | 09/25/2008 | 10:03:16 | 0.075                     |
| 7781       | 09/25/2008 | 10:03:17 | 0.073                     |
| 7782       | 09/25/2008 | 10:03:18 | 0.076                     |
| 7783       | 09/25/2008 | 10:03:19 | 0.070                     |
| 7784       | 09/25/2008 | 10:03:20 | 0.076                     |
| 7785       | 09/25/2008 | 10:03:21 | 0.070                     |
| 7786       | 09/25/2008 | 10:03:22 | 0.070                     |
| 7787       | 09/25/2008 | 10:03:23 | 0.071                     |
| 7788       | 09/25/2008 | 10:03:24 | 0.073                     |
| 7789       | 09/25/2008 | 10:03:25 | 0.078                     |
| 7790       | 09/25/2008 | 10:03:26 | 0.088                     |
| 7791       | 09/25/2008 | 10:03:27 | 0.071                     |
| 7792       | 09/25/2008 | 10:03:28 | 0.070                     |
| 7793       | 09/25/2008 | 10:03:29 | 0.078                     |
| 7794       | 09/25/2008 | 10:03:30 | 0.072                     |
| 7795       | 09/25/2008 | 10:03:31 | 0.066                     |
| 7796       | 09/25/2008 | 10:03:32 | 0.075                     |
| 7797       | 09/25/2008 | 10:03:33 | 0.073                     |
| 7798       | 09/25/2008 | 10:03:34 | 0.070                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 7799       | 09/25/2008 | 10:03:35 | 0.078                     |
| 7800       | 09/25/2008 | 10:03:36 | 0.081                     |
| 7801       | 09/25/2008 | 10:03:37 | 0.064                     |
| 7802       | 09/25/2008 | 10:03:38 | 0.084                     |
| 7803       | 09/25/2008 | 10:03:39 | 0.081                     |
| 7804       | 09/25/2008 | 10:03:40 | 0.065                     |
| 7805       | 09/25/2008 | 10:03:41 | 0.067                     |
| 7806       | 09/25/2008 | 10:03:42 | 0.071                     |
| 7807       | 09/25/2008 | 10:03:43 | 0.074                     |
| 7808       | 09/25/2008 | 10:03:44 | 0.075                     |
| 7809       | 09/25/2008 | 10:03:45 | 0.074                     |
| 7810       | 09/25/2008 | 10:03:46 | 0.081                     |
| 7811       | 09/25/2008 | 10:03:47 | 0.084                     |
| 7812       | 09/25/2008 | 10:03:48 | 0.066                     |
| 7813       | 09/25/2008 | 10:03:49 | 0.077                     |
| 7814       | 09/25/2008 | 10:03:50 | 0.068                     |
| 7815       | 09/25/2008 | 10:03:51 | 0.071                     |
| 7816       | 09/25/2008 | 10:03:52 | 0.080                     |
| 7817       | 09/25/2008 | 10:03:53 | 0.067                     |
| 7818       | 09/25/2008 | 10:03:54 | 0.067                     |
| 7819       | 09/25/2008 | 10:03:55 | 0.123                     |
| 7820       | 09/25/2008 | 10:03:56 | 0.071                     |
| 7821       | 09/25/2008 | 10:03:57 | 0.070                     |
| 7822       | 09/25/2008 | 10:03:58 | 0.077                     |
| 7823       | 09/25/2008 | 10:03:59 | 0.077                     |
| 7824       | 09/25/2008 | 10:04:00 | 0.079                     |
| 7825       | 09/25/2008 | 10:04:01 | 0.072                     |
| 7826       | 09/25/2008 | 10:04:02 | 0.074                     |
| 7827       | 09/25/2008 | 10:04:03 | 0.074                     |
| 7828       | 09/25/2008 | 10:04:04 | 0.071                     |
| 7829       | 09/25/2008 | 10:04:05 | 0.087                     |
| 7830       | 09/25/2008 | 10:04:06 | 0.079                     |
| 7831       | 09/25/2008 | 10:04:07 | 0.076                     |
| 7832       | 09/25/2008 | 10:04:08 | 0.079                     |
| 7833       | 09/25/2008 | 10:04:09 | 0.067                     |
| 7834       | 09/25/2008 | 10:04:10 | 0.065                     |
| 7835       | 09/25/2008 | 10:04:11 | 0.067                     |
| 7836       | 09/25/2008 | 10:04:12 | 0.066                     |
| 7837       | 09/25/2008 | 10:04:13 | 0.068                     |
| 7838       | 09/25/2008 | 10:04:14 | 0.068                     |
| 7839       | 09/25/2008 | 10:04:15 | 0.082                     |
| 7840       | 09/25/2008 | 10:04:16 | 0.075                     |
| 7841       | 09/25/2008 | 10:04:17 | 0.106                     |
| 7842       | 09/25/2008 | 10:04:18 | 0.077                     |
| 7843       | 09/25/2008 | 10:04:19 | 0.065                     |
| 7844       | 09/25/2008 | 10:04:20 | 0.065                     |
| 7845       | 09/25/2008 | 10:04:21 | 0.073                     |
| 7846       | 09/25/2008 | 10:04:22 | 0.083                     |
| 7847       | 09/25/2008 | 10:04:23 | 0.068                     |
| 7848       | 09/25/2008 | 10:04:24 | 0.093                     |
| 7849       | 09/25/2008 | 10:04:25 | 0.069                     |
| 7850       | 09/25/2008 | 10:04:26 | 0.078                     |
| 7851       | 09/25/2008 | 10:04:27 | 0.111                     |
| 7852       | 09/25/2008 | 10:04:28 | 0.068                     |
| 7853       | 09/25/2008 | 10:04:29 | 0.068                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 7854       | 09/25/2008 | 10:04:30 | 0.067                     |
| 7855       | 09/25/2008 | 10:04:31 | 0.066                     |
| 7856       | 09/25/2008 | 10:04:32 | 0.074                     |
| 7857       | 09/25/2008 | 10:04:33 | 0.071                     |
| 7858       | 09/25/2008 | 10:04:34 | 0.067                     |
| 7859       | 09/25/2008 | 10:04:35 | 0.075                     |
| 7860       | 09/25/2008 | 10:04:36 | 0.108                     |
| 7861       | 09/25/2008 | 10:04:37 | 0.069                     |
| 7862       | 09/25/2008 | 10:04:38 | 0.068                     |
| 7863       | 09/25/2008 | 10:04:39 | 0.072                     |
| 7864       | 09/25/2008 | 10:04:40 | 0.072                     |
| 7865       | 09/25/2008 | 10:04:41 | 0.073                     |
| 7866       | 09/25/2008 | 10:04:42 | 0.067                     |
| 7867       | 09/25/2008 | 10:04:43 | 0.071                     |
| 7868       | 09/25/2008 | 10:04:44 | 0.067                     |
| 7869       | 09/25/2008 | 10:04:45 | 0.070                     |
| 7870       | 09/25/2008 | 10:04:46 | 0.091                     |
| 7871       | 09/25/2008 | 10:04:47 | 0.070                     |
| 7872       | 09/25/2008 | 10:04:48 | 0.068                     |
| 7873       | 09/25/2008 | 10:04:49 | 0.090                     |
| 7874       | 09/25/2008 | 10:04:50 | 0.071                     |
| 7875       | 09/25/2008 | 10:04:51 | 0.069                     |
| 7876       | 09/25/2008 | 10:04:52 | 0.071                     |
| 7877       | 09/25/2008 | 10:04:53 | 0.067                     |
| 7878       | 09/25/2008 | 10:04:54 | 0.076                     |
| 7879       | 09/25/2008 | 10:04:55 | 0.071                     |
| 7880       | 09/25/2008 | 10:04:56 | 0.085                     |
| 7881       | 09/25/2008 | 10:04:57 | 0.067                     |
| 7882       | 09/25/2008 | 10:04:58 | 0.068                     |
| 7883       | 09/25/2008 | 10:04:59 | 0.091                     |
| 7884       | 09/25/2008 | 10:05:00 | 0.075                     |
| 7885       | 09/25/2008 | 10:05:01 | 0.082                     |
| 7886       | 09/25/2008 | 10:05:02 | 0.069                     |
| 7887       | 09/25/2008 | 10:05:03 | 0.071                     |
| 7888       | 09/25/2008 | 10:05:04 | 0.072                     |
| 7889       | 09/25/2008 | 10:05:05 | 0.073                     |
| 7890       | 09/25/2008 | 10:05:06 | 0.064                     |
| 7891       | 09/25/2008 | 10:05:07 | 0.068                     |
| 7892       | 09/25/2008 | 10:05:08 | 0.070                     |
| 7893       | 09/25/2008 | 10:05:09 | 0.072                     |
| 7894       | 09/25/2008 | 10:05:10 | 0.078                     |
| 7895       | 09/25/2008 | 10:05:11 | 0.071                     |
| 7896       | 09/25/2008 | 10:05:12 | 0.068                     |
| 7897       | 09/25/2008 | 10:05:13 | 0.069                     |
| 7898       | 09/25/2008 | 10:05:14 | 0.070                     |
| 7899       | 09/25/2008 | 10:05:15 | 0.069                     |
| 7900       | 09/25/2008 | 10:05:16 | 0.072                     |
| 7901       | 09/25/2008 | 10:05:17 | 0.075                     |
| 7902       | 09/25/2008 | 10:05:18 | 0.067                     |
| 7903       | 09/25/2008 | 10:05:19 | 0.069                     |
| 7904       | 09/25/2008 | 10:05:20 | 0.068                     |
| 7905       | 09/25/2008 | 10:05:21 | 0.068                     |
| 7906       | 09/25/2008 | 10:05:22 | 0.071                     |
| 7907       | 09/25/2008 | 10:05:23 | 0.120                     |
| 7908       | 09/25/2008 | 10:05:24 | 0.061                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 7909       | 09/25/2008 | 10:05:25 | 0.080                     |
| 7910       | 09/25/2008 | 10:05:26 | 0.067                     |
| 7911       | 09/25/2008 | 10:05:27 | 0.069                     |
| 7912       | 09/25/2008 | 10:05:28 | 0.077                     |
| 7913       | 09/25/2008 | 10:05:29 | 0.069                     |
| 7914       | 09/25/2008 | 10:05:30 | 0.074                     |
| 7915       | 09/25/2008 | 10:05:31 | 0.066                     |
| 7916       | 09/25/2008 | 10:05:32 | 0.067                     |
| 7917       | 09/25/2008 | 10:05:33 | 0.069                     |
| 7918       | 09/25/2008 | 10:05:34 | 0.083                     |
| 7919       | 09/25/2008 | 10:05:35 | 0.066                     |
| 7920       | 09/25/2008 | 10:05:36 | 0.071                     |
| 7921       | 09/25/2008 | 10:05:37 | 0.068                     |
| 7922       | 09/25/2008 | 10:05:38 | 0.076                     |
| 7923       | 09/25/2008 | 10:05:39 | 0.076                     |
| 7924       | 09/25/2008 | 10:05:40 | 0.071                     |
| 7925       | 09/25/2008 | 10:05:41 | 0.079                     |
| 7926       | 09/25/2008 | 10:05:42 | 0.067                     |
| 7927       | 09/25/2008 | 10:05:43 | 0.075                     |
| 7928       | 09/25/2008 | 10:05:44 | 0.068                     |
| 7929       | 09/25/2008 | 10:05:45 | 0.066                     |
| 7930       | 09/25/2008 | 10:05:46 | 0.080                     |
| 7931       | 09/25/2008 | 10:05:47 | 0.067                     |
| 7932       | 09/25/2008 | 10:05:48 | 0.074                     |
| 7933       | 09/25/2008 | 10:05:49 | 0.070                     |
| 7934       | 09/25/2008 | 10:05:50 | 0.069                     |
| 7935       | 09/25/2008 | 10:05:51 | 0.075                     |
| 7936       | 09/25/2008 | 10:05:52 | 0.078                     |
| 7937       | 09/25/2008 | 10:05:53 | 0.070                     |
| 7938       | 09/25/2008 | 10:05:54 | 0.064                     |
| 7939       | 09/25/2008 | 10:05:55 | 0.098                     |
| 7940       | 09/25/2008 | 10:05:56 | 0.068                     |
| 7941       | 09/25/2008 | 10:05:57 | 0.068                     |
| 7942       | 09/25/2008 | 10:05:58 | 0.073                     |
| 7943       | 09/25/2008 | 10:05:59 | 0.084                     |
| 7944       | 09/25/2008 | 10:06:00 | 0.077                     |
| 7945       | 09/25/2008 | 10:06:01 | 0.079                     |
| 7946       | 09/25/2008 | 10:06:02 | 0.074                     |
| 7947       | 09/25/2008 | 10:06:03 | 0.066                     |
| 7948       | 09/25/2008 | 10:06:04 | 0.069                     |
| 7949       | 09/25/2008 | 10:06:05 | 0.069                     |
| 7950       | 09/25/2008 | 10:06:06 | 0.065                     |
| 7951       | 09/25/2008 | 10:06:07 | 0.068                     |
| 7952       | 09/25/2008 | 10:06:08 | 0.070                     |
| 7953       | 09/25/2008 | 10:06:09 | 0.156                     |
| 7954       | 09/25/2008 | 10:06:10 | 0.069                     |
| 7955       | 09/25/2008 | 10:06:11 | 0.071                     |
| 7956       | 09/25/2008 | 10:06:12 | 0.069                     |
| 7957       | 09/25/2008 | 10:06:13 | 0.067                     |
| 7958       | 09/25/2008 | 10:06:14 | 0.076                     |
| 7959       | 09/25/2008 | 10:06:15 | 0.077                     |
| 7960       | 09/25/2008 | 10:06:16 | 0.081                     |
| 7961       | 09/25/2008 | 10:06:17 | 0.067                     |
| 7962       | 09/25/2008 | 10:06:18 | 0.067                     |
| 7963       | 09/25/2008 | 10:06:19 | 0.064                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 7964       | 09/25/2008 | 10:06:20 | 0.071                     |
| 7965       | 09/25/2008 | 10:06:21 | 0.065                     |
| 7966       | 09/25/2008 | 10:06:22 | 0.070                     |
| 7967       | 09/25/2008 | 10:06:23 | 0.065                     |
| 7968       | 09/25/2008 | 10:06:24 | 0.068                     |
| 7969       | 09/25/2008 | 10:06:25 | 0.073                     |
| 7970       | 09/25/2008 | 10:06:26 | 0.068                     |
| 7971       | 09/25/2008 | 10:06:27 | 0.071                     |
| 7972       | 09/25/2008 | 10:06:28 | 0.069                     |
| 7973       | 09/25/2008 | 10:06:29 | 0.074                     |
| 7974       | 09/25/2008 | 10:06:30 | 0.075                     |
| 7975       | 09/25/2008 | 10:06:31 | 0.068                     |
| 7976       | 09/25/2008 | 10:06:32 | 0.066                     |
| 7977       | 09/25/2008 | 10:06:33 | 0.073                     |
| 7978       | 09/25/2008 | 10:06:34 | 0.068                     |
| 7979       | 09/25/2008 | 10:06:35 | 0.070                     |
| 7980       | 09/25/2008 | 10:06:36 | 0.067                     |
| 7981       | 09/25/2008 | 10:06:37 | 0.069                     |
| 7982       | 09/25/2008 | 10:06:38 | 0.069                     |
| 7983       | 09/25/2008 | 10:06:39 | 0.066                     |
| 7984       | 09/25/2008 | 10:06:40 | 0.073                     |
| 7985       | 09/25/2008 | 10:06:41 | 0.064                     |
| 7986       | 09/25/2008 | 10:06:42 | 0.083                     |
| 7987       | 09/25/2008 | 10:06:43 | 0.067                     |
| 7988       | 09/25/2008 | 10:06:44 | 0.069                     |
| 7989       | 09/25/2008 | 10:06:45 | 0.067                     |
| 7990       | 09/25/2008 | 10:06:46 | 0.073                     |
| 7991       | 09/25/2008 | 10:06:47 | 0.073                     |
| 7992       | 09/25/2008 | 10:06:48 | 0.083                     |
| 7993       | 09/25/2008 | 10:06:49 | 0.068                     |
| 7994       | 09/25/2008 | 10:06:50 | 0.064                     |
| 7995       | 09/25/2008 | 10:06:51 | 0.068                     |
| 7996       | 09/25/2008 | 10:06:52 | 0.072                     |
| 7997       | 09/25/2008 | 10:06:53 | 0.069                     |
| 7998       | 09/25/2008 | 10:06:54 | 0.068                     |
| 7999       | 09/25/2008 | 10:06:55 | 0.120                     |
| 8000       | 09/25/2008 | 10:06:56 | 0.096                     |
| 8001       | 09/25/2008 | 10:06:57 | 0.070                     |
| 8002       | 09/25/2008 | 10:06:58 | 0.081                     |
| 8003       | 09/25/2008 | 10:06:59 | 0.067                     |
| 8004       | 09/25/2008 | 10:07:00 | 0.068                     |
| 8005       | 09/25/2008 | 10:07:01 | 0.071                     |
| 8006       | 09/25/2008 | 10:07:02 | 0.075                     |
| 8007       | 09/25/2008 | 10:07:03 | 0.077                     |
| 8008       | 09/25/2008 | 10:07:04 | 0.069                     |
| 8009       | 09/25/2008 | 10:07:05 | 0.084                     |
| 8010       | 09/25/2008 | 10:07:06 | 0.067                     |
| 8011       | 09/25/2008 | 10:07:07 | 0.071                     |
| 8012       | 09/25/2008 | 10:07:08 | 0.071                     |
| 8013       | 09/25/2008 | 10:07:09 | 0.071                     |
| 8014       | 09/25/2008 | 10:07:10 | 0.089                     |
| 8015       | 09/25/2008 | 10:07:11 | 0.062                     |
| 8016       | 09/25/2008 | 10:07:12 | 0.078                     |
| 8017       | 09/25/2008 | 10:07:13 | 0.068                     |
| 8018       | 09/25/2008 | 10:07:14 | 0.066                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 8019       | 09/25/2008 | 10:07:15 | 0.074                     |
| 8020       | 09/25/2008 | 10:07:16 | 0.065                     |
| 8021       | 09/25/2008 | 10:07:17 | 0.074                     |
| 8022       | 09/25/2008 | 10:07:18 | 0.069                     |
| 8023       | 09/25/2008 | 10:07:19 | 0.080                     |
| 8024       | 09/25/2008 | 10:07:20 | 0.077                     |
| 8025       | 09/25/2008 | 10:07:21 | 0.104                     |
| 8026       | 09/25/2008 | 10:07:22 | 0.074                     |
| 8027       | 09/25/2008 | 10:07:23 | 0.070                     |
| 8028       | 09/25/2008 | 10:07:24 | 0.104                     |
| 8029       | 09/25/2008 | 10:07:25 | 0.073                     |
| 8030       | 09/25/2008 | 10:07:26 | 0.068                     |
| 8031       | 09/25/2008 | 10:07:27 | 0.091                     |
| 8032       | 09/25/2008 | 10:07:28 | 0.070                     |
| 8033       | 09/25/2008 | 10:07:29 | 0.076                     |
| 8034       | 09/25/2008 | 10:07:30 | 0.077                     |
| 8035       | 09/25/2008 | 10:07:31 | 0.070                     |
| 8036       | 09/25/2008 | 10:07:32 | 0.077                     |
| 8037       | 09/25/2008 | 10:07:33 | 0.070                     |
| 8038       | 09/25/2008 | 10:07:34 | 0.065                     |
| 8039       | 09/25/2008 | 10:07:35 | 0.068                     |
| 8040       | 09/25/2008 | 10:07:36 | 0.068                     |
| 8041       | 09/25/2008 | 10:07:37 | 0.075                     |
| 8042       | 09/25/2008 | 10:07:38 | 0.088                     |
| 8043       | 09/25/2008 | 10:07:39 | 0.064                     |
| 8044       | 09/25/2008 | 10:07:40 | 0.069                     |
| 8045       | 09/25/2008 | 10:07:41 | 0.074                     |
| 8046       | 09/25/2008 | 10:07:42 | 0.071                     |
| 8047       | 09/25/2008 | 10:07:43 | 0.116                     |
| 8048       | 09/25/2008 | 10:07:44 | 0.071                     |
| 8049       | 09/25/2008 | 10:07:45 | 0.069                     |
| 8050       | 09/25/2008 | 10:07:46 | 0.066                     |
| 8051       | 09/25/2008 | 10:07:47 | 0.066                     |
| 8052       | 09/25/2008 | 10:07:48 | 0.072                     |
| 8053       | 09/25/2008 | 10:07:49 | 0.063                     |
| 8054       | 09/25/2008 | 10:07:50 | 0.067                     |
| 8055       | 09/25/2008 | 10:07:51 | 0.069                     |
| 8056       | 09/25/2008 | 10:07:52 | 0.063                     |
| 8057       | 09/25/2008 | 10:07:53 | 0.071                     |
| 8058       | 09/25/2008 | 10:07:54 | 0.065                     |
| 8059       | 09/25/2008 | 10:07:55 | 0.076                     |
| 8060       | 09/25/2008 | 10:07:56 | 0.072                     |
| 8061       | 09/25/2008 | 10:07:57 | 0.071                     |
| 8062       | 09/25/2008 | 10:07:58 | 0.074                     |
| 8063       | 09/25/2008 | 10:07:59 | 0.072                     |
| 8064       | 09/25/2008 | 10:08:00 | 0.066                     |
| 8065       | 09/25/2008 | 10:08:01 | 0.074                     |
| 8066       | 09/25/2008 | 10:08:02 | 0.072                     |
| 8067       | 09/25/2008 | 10:08:03 | 0.068                     |
| 8068       | 09/25/2008 | 10:08:04 | 0.069                     |
| 8069       | 09/25/2008 | 10:08:05 | 0.063                     |
| 8070       | 09/25/2008 | 10:08:06 | 0.084                     |
| 8071       | 09/25/2008 | 10:08:07 | 0.068                     |
| 8072       | 09/25/2008 | 10:08:08 | 0.073                     |
| 8073       | 09/25/2008 | 10:08:09 | 0.065                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 8074       | 09/25/2008 | 10:08:10 | 0.065                     |
| 8075       | 09/25/2008 | 10:08:11 | 0.066                     |
| 8076       | 09/25/2008 | 10:08:12 | 0.069                     |
| 8077       | 09/25/2008 | 10:08:13 | 0.068                     |
| 8078       | 09/25/2008 | 10:08:14 | 0.069                     |
| 8079       | 09/25/2008 | 10:08:15 | 0.068                     |
| 8080       | 09/25/2008 | 10:08:16 | 0.078                     |
| 8081       | 09/25/2008 | 10:08:17 | 0.075                     |
| 8082       | 09/25/2008 | 10:08:18 | 0.066                     |
| 8083       | 09/25/2008 | 10:08:19 | 0.070                     |
| 8084       | 09/25/2008 | 10:08:20 | 0.069                     |
| 8085       | 09/25/2008 | 10:08:21 | 0.070                     |
| 8086       | 09/25/2008 | 10:08:22 | 0.068                     |
| 8087       | 09/25/2008 | 10:08:23 | 0.065                     |
| 8088       | 09/25/2008 | 10:08:24 | 0.075                     |
| 8089       | 09/25/2008 | 10:08:25 | 0.068                     |
| 8090       | 09/25/2008 | 10:08:26 | 0.085                     |
| 8091       | 09/25/2008 | 10:08:27 | 0.082                     |
| 8092       | 09/25/2008 | 10:08:28 | 0.064                     |
| 8093       | 09/25/2008 | 10:08:29 | 0.062                     |
| 8094       | 09/25/2008 | 10:08:30 | 0.083                     |
| 8095       | 09/25/2008 | 10:08:31 | 0.074                     |
| 8096       | 09/25/2008 | 10:08:32 | 0.077                     |
| 8097       | 09/25/2008 | 10:08:33 | 0.071                     |
| 8098       | 09/25/2008 | 10:08:34 | 0.071                     |
| 8099       | 09/25/2008 | 10:08:35 | 0.073                     |
| 8100       | 09/25/2008 | 10:08:36 | 0.070                     |
| 8101       | 09/25/2008 | 10:08:37 | 0.084                     |
| 8102       | 09/25/2008 | 10:08:38 | 0.085                     |
| 8103       | 09/25/2008 | 10:08:39 | 0.068                     |
| 8104       | 09/25/2008 | 10:08:40 | 0.064                     |
| 8105       | 09/25/2008 | 10:08:41 | 0.074                     |
| 8106       | 09/25/2008 | 10:08:42 | 0.073                     |
| 8107       | 09/25/2008 | 10:08:43 | 0.076                     |
| 8108       | 09/25/2008 | 10:08:44 | 0.093                     |
| 8109       | 09/25/2008 | 10:08:45 | 0.070                     |
| 8110       | 09/25/2008 | 10:08:46 | 0.068                     |
| 8111       | 09/25/2008 | 10:08:47 | 0.073                     |
| 8112       | 09/25/2008 | 10:08:48 | 0.090                     |
| 8113       | 09/25/2008 | 10:08:49 | 0.069                     |
| 8114       | 09/25/2008 | 10:08:50 | 0.065                     |
| 8115       | 09/25/2008 | 10:08:51 | 0.073                     |
| 8116       | 09/25/2008 | 10:08:52 | 0.069                     |
| 8117       | 09/25/2008 | 10:08:53 | 0.073                     |
| 8118       | 09/25/2008 | 10:08:54 | 0.068                     |
| 8119       | 09/25/2008 | 10:08:55 | 0.073                     |
| 8120       | 09/25/2008 | 10:08:56 | 0.067                     |
| 8121       | 09/25/2008 | 10:08:57 | 0.072                     |
| 8122       | 09/25/2008 | 10:08:58 | 0.070                     |
| 8123       | 09/25/2008 | 10:08:59 | 0.066                     |
| 8124       | 09/25/2008 | 10:09:00 | 0.072                     |
| 8125       | 09/25/2008 | 10:09:01 | 0.079                     |
| 8126       | 09/25/2008 | 10:09:02 | 0.068                     |
| 8127       | 09/25/2008 | 10:09:03 | 0.073                     |
| 8128       | 09/25/2008 | 10:09:04 | 0.073                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 8129       | 09/25/2008 | 10:09:05 | 0.077                     |
| 8130       | 09/25/2008 | 10:09:06 | 0.061                     |
| 8131       | 09/25/2008 | 10:09:07 | 0.074                     |
| 8132       | 09/25/2008 | 10:09:08 | 0.084                     |
| 8133       | 09/25/2008 | 10:09:09 | 0.074                     |
| 8134       | 09/25/2008 | 10:09:10 | 0.076                     |
| 8135       | 09/25/2008 | 10:09:11 | 0.075                     |
| 8136       | 09/25/2008 | 10:09:12 | 0.074                     |
| 8137       | 09/25/2008 | 10:09:13 | 0.070                     |
| 8138       | 09/25/2008 | 10:09:14 | 0.076                     |
| 8139       | 09/25/2008 | 10:09:15 | 0.067                     |
| 8140       | 09/25/2008 | 10:09:16 | 0.073                     |
| 8141       | 09/25/2008 | 10:09:17 | 0.080                     |
| 8142       | 09/25/2008 | 10:09:18 | 0.074                     |
| 8143       | 09/25/2008 | 10:09:19 | 0.071                     |
| 8144       | 09/25/2008 | 10:09:20 | 0.082                     |
| 8145       | 09/25/2008 | 10:09:21 | 0.077                     |
| 8146       | 09/25/2008 | 10:09:22 | 0.087                     |
| 8147       | 09/25/2008 | 10:09:23 | 0.071                     |
| 8148       | 09/25/2008 | 10:09:24 | 0.116                     |
| 8149       | 09/25/2008 | 10:09:25 | 0.073                     |
| 8150       | 09/25/2008 | 10:09:26 | 0.091                     |
| 8151       | 09/25/2008 | 10:09:27 | 0.072                     |
| 8152       | 09/25/2008 | 10:09:28 | 0.075                     |
| 8153       | 09/25/2008 | 10:09:29 | 0.073                     |
| 8154       | 09/25/2008 | 10:09:30 | 0.080                     |
| 8155       | 09/25/2008 | 10:09:31 | 0.079                     |
| 8156       | 09/25/2008 | 10:09:32 | 0.066                     |
| 8157       | 09/25/2008 | 10:09:33 | 0.099                     |
| 8158       | 09/25/2008 | 10:09:34 | 0.074                     |
| 8159       | 09/25/2008 | 10:09:35 | 0.069                     |
| 8160       | 09/25/2008 | 10:09:36 | 0.067                     |
| 8161       | 09/25/2008 | 10:09:37 | 0.068                     |
| 8162       | 09/25/2008 | 10:09:38 | 0.063                     |
| 8163       | 09/25/2008 | 10:09:39 | 0.065                     |
| 8164       | 09/25/2008 | 10:09:40 | 0.078                     |
| 8165       | 09/25/2008 | 10:09:41 | 0.109                     |
| 8166       | 09/25/2008 | 10:09:42 | 0.074                     |
| 8167       | 09/25/2008 | 10:09:43 | 0.089                     |
| 8168       | 09/25/2008 | 10:09:44 | 0.066                     |
| 8169       | 09/25/2008 | 10:09:45 | 0.069                     |
| 8170       | 09/25/2008 | 10:09:46 | 0.068                     |
| 8171       | 09/25/2008 | 10:09:47 | 0.066                     |
| 8172       | 09/25/2008 | 10:09:48 | 0.073                     |
| 8173       | 09/25/2008 | 10:09:49 | 0.073                     |
| 8174       | 09/25/2008 | 10:09:50 | 0.065                     |
| 8175       | 09/25/2008 | 10:09:51 | 0.064                     |
| 8176       | 09/25/2008 | 10:09:52 | 0.069                     |
| 8177       | 09/25/2008 | 10:09:53 | 0.065                     |
| 8178       | 09/25/2008 | 10:09:54 | 0.069                     |
| 8179       | 09/25/2008 | 10:09:55 | 0.071                     |
| 8180       | 09/25/2008 | 10:09:56 | 0.078                     |
| 8181       | 09/25/2008 | 10:09:57 | 0.081                     |
| 8182       | 09/25/2008 | 10:09:58 | 0.072                     |
| 8183       | 09/25/2008 | 10:09:59 | 0.073                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 8184       | 09/25/2008 | 10:10:00 | 0.064                     |
| 8185       | 09/25/2008 | 10:10:01 | 0.069                     |
| 8186       | 09/25/2008 | 10:10:02 | 0.062                     |
| 8187       | 09/25/2008 | 10:10:03 | 0.081                     |
| 8188       | 09/25/2008 | 10:10:04 | 0.066                     |
| 8189       | 09/25/2008 | 10:10:05 | 0.097                     |
| 8190       | 09/25/2008 | 10:10:06 | 0.068                     |
| 8191       | 09/25/2008 | 10:10:07 | 0.074                     |
| 8192       | 09/25/2008 | 10:10:08 | 0.068                     |
| 8193       | 09/25/2008 | 10:10:09 | 0.073                     |
| 8194       | 09/25/2008 | 10:10:10 | 0.070                     |
| 8195       | 09/25/2008 | 10:10:11 | 0.076                     |
| 8196       | 09/25/2008 | 10:10:12 | 0.064                     |
| 8197       | 09/25/2008 | 10:10:13 | 0.067                     |
| 8198       | 09/25/2008 | 10:10:14 | 0.081                     |
| 8199       | 09/25/2008 | 10:10:15 | 0.070                     |
| 8200       | 09/25/2008 | 10:10:16 | 0.068                     |
| 8201       | 09/25/2008 | 10:10:17 | 0.071                     |
| 8202       | 09/25/2008 | 10:10:18 | 0.116                     |
| 8203       | 09/25/2008 | 10:10:19 | 0.071                     |
| 8204       | 09/25/2008 | 10:10:20 | 0.072                     |
| 8205       | 09/25/2008 | 10:10:21 | 0.073                     |
| 8206       | 09/25/2008 | 10:10:22 | 0.068                     |
| 8207       | 09/25/2008 | 10:10:23 | 0.073                     |
| 8208       | 09/25/2008 | 10:10:24 | 0.073                     |
| 8209       | 09/25/2008 | 10:10:25 | 0.083                     |
| 8210       | 09/25/2008 | 10:10:26 | 0.069                     |
| 8211       | 09/25/2008 | 10:10:27 | 0.062                     |
| 8212       | 09/25/2008 | 10:10:28 | 0.068                     |
| 8213       | 09/25/2008 | 10:10:29 | 0.071                     |
| 8214       | 09/25/2008 | 10:10:30 | 0.075                     |
| 8215       | 09/25/2008 | 10:10:31 | 0.068                     |
| 8216       | 09/25/2008 | 10:10:32 | 0.069                     |
| 8217       | 09/25/2008 | 10:10:33 | 0.065                     |
| 8218       | 09/25/2008 | 10:10:34 | 0.070                     |
| 8219       | 09/25/2008 | 10:10:35 | 0.073                     |
| 8220       | 09/25/2008 | 10:10:36 | 0.087                     |
| 8221       | 09/25/2008 | 10:10:37 | 0.137                     |
| 8222       | 09/25/2008 | 10:10:38 | 0.070                     |
| 8223       | 09/25/2008 | 10:10:39 | 0.068                     |
| 8224       | 09/25/2008 | 10:10:40 | 0.065                     |
| 8225       | 09/25/2008 | 10:10:41 | 0.067                     |
| 8226       | 09/25/2008 | 10:10:42 | 0.083                     |
| 8227       | 09/25/2008 | 10:10:43 | 0.082                     |
| 8228       | 09/25/2008 | 10:10:44 | 0.141                     |
| 8229       | 09/25/2008 | 10:10:45 | 0.100                     |
| 8230       | 09/25/2008 | 10:10:46 | 0.074                     |
| 8231       | 09/25/2008 | 10:10:47 | 0.074                     |
| 8232       | 09/25/2008 | 10:10:48 | 0.065                     |
| 8233       | 09/25/2008 | 10:10:49 | 0.067                     |
| 8234       | 09/25/2008 | 10:10:50 | 0.065                     |
| 8235       | 09/25/2008 | 10:10:51 | 0.066                     |
| 8236       | 09/25/2008 | 10:10:52 | 0.071                     |
| 8237       | 09/25/2008 | 10:10:53 | 0.067                     |
| 8238       | 09/25/2008 | 10:10:54 | 0.066                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 8239       | 09/25/2008 | 10:10:55 | 0.085                     |
| 8240       | 09/25/2008 | 10:10:56 | 0.066                     |
| 8241       | 09/25/2008 | 10:10:57 | 0.070                     |
| 8242       | 09/25/2008 | 10:10:58 | 0.066                     |
| 8243       | 09/25/2008 | 10:10:59 | 0.073                     |
| 8244       | 09/25/2008 | 10:11:00 | 0.075                     |
| 8245       | 09/25/2008 | 10:11:01 | 0.068                     |
| 8246       | 09/25/2008 | 10:11:02 | 0.064                     |
| 8247       | 09/25/2008 | 10:11:03 | 0.062                     |
| 8248       | 09/25/2008 | 10:11:04 | 0.068                     |
| 8249       | 09/25/2008 | 10:11:05 | 0.066                     |
| 8250       | 09/25/2008 | 10:11:06 | 0.071                     |
| 8251       | 09/25/2008 | 10:11:07 | 0.067                     |
| 8252       | 09/25/2008 | 10:11:08 | 0.073                     |
| 8253       | 09/25/2008 | 10:11:09 | 0.077                     |
| 8254       | 09/25/2008 | 10:11:10 | 0.072                     |
| 8255       | 09/25/2008 | 10:11:11 | 0.069                     |
| 8256       | 09/25/2008 | 10:11:12 | 0.068                     |
| 8257       | 09/25/2008 | 10:11:13 | 0.083                     |
| 8258       | 09/25/2008 | 10:11:14 | 0.067                     |
| 8259       | 09/25/2008 | 10:11:15 | 0.071                     |
| 8260       | 09/25/2008 | 10:11:16 | 0.074                     |
| 8261       | 09/25/2008 | 10:11:17 | 0.063                     |
| 8262       | 09/25/2008 | 10:11:18 | 0.069                     |
| 8263       | 09/25/2008 | 10:11:19 | 0.076                     |
| 8264       | 09/25/2008 | 10:11:20 | 0.068                     |
| 8265       | 09/25/2008 | 10:11:21 | 0.080                     |
| 8266       | 09/25/2008 | 10:11:22 | 0.063                     |
| 8267       | 09/25/2008 | 10:11:23 | 0.069                     |
| 8268       | 09/25/2008 | 10:11:24 | 0.067                     |
| 8269       | 09/25/2008 | 10:11:25 | 0.071                     |
| 8270       | 09/25/2008 | 10:11:26 | 0.065                     |
| 8271       | 09/25/2008 | 10:11:27 | 0.068                     |
| 8272       | 09/25/2008 | 10:11:28 | 0.069                     |
| 8273       | 09/25/2008 | 10:11:29 | 0.075                     |
| 8274       | 09/25/2008 | 10:11:30 | 0.075                     |
| 8275       | 09/25/2008 | 10:11:31 | 0.078                     |
| 8276       | 09/25/2008 | 10:11:32 | 0.064                     |
| 8277       | 09/25/2008 | 10:11:33 | 0.064                     |
| 8278       | 09/25/2008 | 10:11:34 | 0.067                     |
| 8279       | 09/25/2008 | 10:11:35 | 0.073                     |
| 8280       | 09/25/2008 | 10:11:36 | 0.075                     |
| 8281       | 09/25/2008 | 10:11:37 | 0.079                     |
| 8282       | 09/25/2008 | 10:11:38 | 0.092                     |
| 8283       | 09/25/2008 | 10:11:39 | 0.074                     |
| 8284       | 09/25/2008 | 10:11:40 | 0.072                     |
| 8285       | 09/25/2008 | 10:11:41 | 0.066                     |
| 8286       | 09/25/2008 | 10:11:42 | 0.072                     |
| 8287       | 09/25/2008 | 10:11:43 | 0.093                     |
| 8288       | 09/25/2008 | 10:11:44 | 0.069                     |
| 8289       | 09/25/2008 | 10:11:45 | 0.092                     |
| 8290       | 09/25/2008 | 10:11:46 | 0.071                     |
| 8291       | 09/25/2008 | 10:11:47 | 0.065                     |
| 8292       | 09/25/2008 | 10:11:48 | 0.065                     |
| 8293       | 09/25/2008 | 10:11:49 | 0.075                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 8294       | 09/25/2008 | 10:11:50 | 0.066                     |
| 8295       | 09/25/2008 | 10:11:51 | 0.068                     |
| 8296       | 09/25/2008 | 10:11:52 | 0.067                     |
| 8297       | 09/25/2008 | 10:11:53 | 0.070                     |
| 8298       | 09/25/2008 | 10:11:54 | 0.093                     |
| 8299       | 09/25/2008 | 10:11:55 | 0.073                     |
| 8300       | 09/25/2008 | 10:11:56 | 0.114                     |
| 8301       | 09/25/2008 | 10:11:57 | 0.135                     |
| 8302       | 09/25/2008 | 10:11:58 | 0.110                     |
| 8303       | 09/25/2008 | 10:11:59 | 0.104                     |
| 8304       | 09/25/2008 | 10:12:00 | 0.166                     |
| 8305       | 09/25/2008 | 10:12:01 | 0.105                     |
| 8306       | 09/25/2008 | 10:12:02 | 0.104                     |
| 8307       | 09/25/2008 | 10:12:03 | 0.085                     |
| 8308       | 09/25/2008 | 10:12:04 | 0.078                     |
| 8309       | 09/25/2008 | 10:12:05 | 0.087                     |
| 8310       | 09/25/2008 | 10:12:06 | 0.079                     |
| 8311       | 09/25/2008 | 10:12:07 | 0.073                     |
| 8312       | 09/25/2008 | 10:12:08 | 0.076                     |
| 8313       | 09/25/2008 | 10:12:09 | 0.087                     |
| 8314       | 09/25/2008 | 10:12:10 | 0.075                     |
| 8315       | 09/25/2008 | 10:12:11 | 0.095                     |
| 8316       | 09/25/2008 | 10:12:12 | 0.073                     |
| 8317       | 09/25/2008 | 10:12:13 | 0.065                     |
| 8318       | 09/25/2008 | 10:12:14 | 0.069                     |
| 8319       | 09/25/2008 | 10:12:15 | 0.096                     |
| 8320       | 09/25/2008 | 10:12:16 | 0.079                     |
| 8321       | 09/25/2008 | 10:12:17 | 0.068                     |
| 8322       | 09/25/2008 | 10:12:18 | 0.073                     |
| 8323       | 09/25/2008 | 10:12:19 | 0.070                     |
| 8324       | 09/25/2008 | 10:12:20 | 0.072                     |
| 8325       | 09/25/2008 | 10:12:21 | 0.067                     |
| 8326       | 09/25/2008 | 10:12:22 | 0.066                     |
| 8327       | 09/25/2008 | 10:12:23 | 0.064                     |
| 8328       | 09/25/2008 | 10:12:24 | 0.078                     |
| 8329       | 09/25/2008 | 10:12:25 | 0.065                     |
| 8330       | 09/25/2008 | 10:12:26 | 0.071                     |
| 8331       | 09/25/2008 | 10:12:27 | 0.086                     |
| 8332       | 09/25/2008 | 10:12:28 | 0.069                     |
| 8333       | 09/25/2008 | 10:12:29 | 0.073                     |
| 8334       | 09/25/2008 | 10:12:30 | 0.066                     |
| 8335       | 09/25/2008 | 10:12:31 | 0.064                     |
| 8336       | 09/25/2008 | 10:12:32 | 0.068                     |
| 8337       | 09/25/2008 | 10:12:33 | 0.073                     |
| 8338       | 09/25/2008 | 10:12:34 | 0.066                     |
| 8339       | 09/25/2008 | 10:12:35 | 0.067                     |
| 8340       | 09/25/2008 | 10:12:36 | 0.076                     |
| 8341       | 09/25/2008 | 10:12:37 | 0.066                     |
| 8342       | 09/25/2008 | 10:12:38 | 0.077                     |
| 8343       | 09/25/2008 | 10:12:39 | 0.061                     |
| 8344       | 09/25/2008 | 10:12:40 | 0.074                     |
| 8345       | 09/25/2008 | 10:12:41 | 0.077                     |
| 8346       | 09/25/2008 | 10:12:42 | 0.065                     |
| 8347       | 09/25/2008 | 10:12:43 | 0.074                     |
| 8348       | 09/25/2008 | 10:12:44 | 0.076                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 8349       | 09/25/2008 | 10:12:45 | 0.068                     |
| 8350       | 09/25/2008 | 10:12:46 | 0.066                     |
| 8351       | 09/25/2008 | 10:12:47 | 0.066                     |
| 8352       | 09/25/2008 | 10:12:48 | 0.073                     |
| 8353       | 09/25/2008 | 10:12:49 | 0.066                     |
| 8354       | 09/25/2008 | 10:12:50 | 0.070                     |
| 8355       | 09/25/2008 | 10:12:51 | 0.093                     |
| 8356       | 09/25/2008 | 10:12:52 | 0.088                     |
| 8357       | 09/25/2008 | 10:12:53 | 0.072                     |
| 8358       | 09/25/2008 | 10:12:54 | 0.071                     |
| 8359       | 09/25/2008 | 10:12:55 | 0.078                     |
| 8360       | 09/25/2008 | 10:12:56 | 0.064                     |
| 8361       | 09/25/2008 | 10:12:57 | 0.071                     |
| 8362       | 09/25/2008 | 10:12:58 | 0.070                     |
| 8363       | 09/25/2008 | 10:12:59 | 0.065                     |
| 8364       | 09/25/2008 | 10:13:00 | 0.069                     |
| 8365       | 09/25/2008 | 10:13:01 | 0.063                     |
| 8366       | 09/25/2008 | 10:13:02 | 0.067                     |
| 8367       | 09/25/2008 | 10:13:03 | 0.062                     |
| 8368       | 09/25/2008 | 10:13:04 | 0.063                     |
| 8369       | 09/25/2008 | 10:13:05 | 0.064                     |
| 8370       | 09/25/2008 | 10:13:06 | 0.079                     |
| 8371       | 09/25/2008 | 10:13:07 | 0.066                     |
| 8372       | 09/25/2008 | 10:13:08 | 0.065                     |
| 8373       | 09/25/2008 | 10:13:09 | 0.066                     |
| 8374       | 09/25/2008 | 10:13:10 | 0.111                     |
| 8375       | 09/25/2008 | 10:13:11 | 0.073                     |
| 8376       | 09/25/2008 | 10:13:12 | 0.073                     |
| 8377       | 09/25/2008 | 10:13:13 | 0.064                     |
| 8378       | 09/25/2008 | 10:13:14 | 0.075                     |
| 8379       | 09/25/2008 | 10:13:15 | 0.069                     |
| 8380       | 09/25/2008 | 10:13:16 | 0.072                     |
| 8381       | 09/25/2008 | 10:13:17 | 0.065                     |
| 8382       | 09/25/2008 | 10:13:18 | 0.069                     |
| 8383       | 09/25/2008 | 10:13:19 | 0.086                     |
| 8384       | 09/25/2008 | 10:13:20 | 0.065                     |
| 8385       | 09/25/2008 | 10:13:21 | 0.061                     |
| 8386       | 09/25/2008 | 10:13:22 | 0.061                     |
| 8387       | 09/25/2008 | 10:13:23 | 0.077                     |
| 8388       | 09/25/2008 | 10:13:24 | 0.067                     |
| 8389       | 09/25/2008 | 10:13:25 | 0.071                     |
| 8390       | 09/25/2008 | 10:13:26 | 0.062                     |
| 8391       | 09/25/2008 | 10:13:27 | 0.064                     |
| 8392       | 09/25/2008 | 10:13:28 | 0.073                     |
| 8393       | 09/25/2008 | 10:13:29 | 0.065                     |
| 8394       | 09/25/2008 | 10:13:30 | 0.080                     |
| 8395       | 09/25/2008 | 10:13:31 | 0.070                     |
| 8396       | 09/25/2008 | 10:13:32 | 0.072                     |
| 8397       | 09/25/2008 | 10:13:33 | 0.100                     |
| 8398       | 09/25/2008 | 10:13:34 | 0.068                     |
| 8399       | 09/25/2008 | 10:13:35 | 0.062                     |
| 8400       | 09/25/2008 | 10:13:36 | 0.075                     |
| 8401       | 09/25/2008 | 10:13:37 | 0.075                     |
| 8402       | 09/25/2008 | 10:13:38 | 0.067                     |
| 8403       | 09/25/2008 | 10:13:39 | 0.067                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 8404       | 09/25/2008 | 10:13:40 | 0.066                     |
| 8405       | 09/25/2008 | 10:13:41 | 0.067                     |
| 8406       | 09/25/2008 | 10:13:42 | 0.065                     |
| 8407       | 09/25/2008 | 10:13:43 | 0.070                     |
| 8408       | 09/25/2008 | 10:13:44 | 0.084                     |
| 8409       | 09/25/2008 | 10:13:45 | 0.064                     |
| 8410       | 09/25/2008 | 10:13:46 | 0.067                     |
| 8411       | 09/25/2008 | 10:13:47 | 0.076                     |
| 8412       | 09/25/2008 | 10:13:48 | 0.091                     |
| 8413       | 09/25/2008 | 10:13:49 | 0.072                     |
| 8414       | 09/25/2008 | 10:13:50 | 0.066                     |
| 8415       | 09/25/2008 | 10:13:51 | 0.126                     |
| 8416       | 09/25/2008 | 10:13:52 | 0.064                     |
| 8417       | 09/25/2008 | 10:13:53 | 0.071                     |
| 8418       | 09/25/2008 | 10:13:54 | 0.065                     |
| 8419       | 09/25/2008 | 10:13:55 | 0.067                     |
| 8420       | 09/25/2008 | 10:13:56 | 0.060                     |
| 8421       | 09/25/2008 | 10:13:57 | 0.062                     |
| 8422       | 09/25/2008 | 10:13:58 | 0.065                     |
| 8423       | 09/25/2008 | 10:13:59 | 0.062                     |
| 8424       | 09/25/2008 | 10:14:00 | 0.071                     |
| 8425       | 09/25/2008 | 10:14:01 | 0.071                     |
| 8426       | 09/25/2008 | 10:14:02 | 0.071                     |
| 8427       | 09/25/2008 | 10:14:03 | 0.063                     |
| 8428       | 09/25/2008 | 10:14:04 | 0.065                     |
| 8429       | 09/25/2008 | 10:14:05 | 0.072                     |
| 8430       | 09/25/2008 | 10:14:06 | 0.100                     |
| 8431       | 09/25/2008 | 10:14:07 | 0.066                     |
| 8432       | 09/25/2008 | 10:14:08 | 0.072                     |
| 8433       | 09/25/2008 | 10:14:09 | 0.069                     |
| 8434       | 09/25/2008 | 10:14:10 | 0.064                     |
| 8435       | 09/25/2008 | 10:14:11 | 0.074                     |
| 8436       | 09/25/2008 | 10:14:12 | 0.070                     |
| 8437       | 09/25/2008 | 10:14:13 | 0.091                     |
| 8438       | 09/25/2008 | 10:14:14 | 0.065                     |
| 8439       | 09/25/2008 | 10:14:15 | 0.065                     |
| 8440       | 09/25/2008 | 10:14:16 | 0.065                     |
| 8441       | 09/25/2008 | 10:14:17 | 0.072                     |
| 8442       | 09/25/2008 | 10:14:18 | 0.068                     |
| 8443       | 09/25/2008 | 10:14:19 | 0.066                     |
| 8444       | 09/25/2008 | 10:14:20 | 0.067                     |
| 8445       | 09/25/2008 | 10:14:21 | 0.066                     |
| 8446       | 09/25/2008 | 10:14:22 | 0.065                     |
| 8447       | 09/25/2008 | 10:14:23 | 0.070                     |
| 8448       | 09/25/2008 | 10:14:24 | 0.069                     |
| 8449       | 09/25/2008 | 10:14:25 | 0.060                     |
| 8450       | 09/25/2008 | 10:14:26 | 0.067                     |
| 8451       | 09/25/2008 | 10:14:27 | 0.067                     |
| 8452       | 09/25/2008 | 10:14:28 | 0.060                     |
| 8453       | 09/25/2008 | 10:14:29 | 0.067                     |
| 8454       | 09/25/2008 | 10:14:30 | 0.076                     |
| 8455       | 09/25/2008 | 10:14:31 | 0.116                     |
| 8456       | 09/25/2008 | 10:14:32 | 0.068                     |
| 8457       | 09/25/2008 | 10:14:33 | 0.061                     |
| 8458       | 09/25/2008 | 10:14:34 | 0.068                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 8459       | 09/25/2008 | 10:14:35 | 0.059                     |
| 8460       | 09/25/2008 | 10:14:36 | 0.095                     |
| 8461       | 09/25/2008 | 10:14:37 | 0.067                     |
| 8462       | 09/25/2008 | 10:14:38 | 0.063                     |
| 8463       | 09/25/2008 | 10:14:39 | 0.126                     |
| 8464       | 09/25/2008 | 10:14:40 | 0.076                     |
| 8465       | 09/25/2008 | 10:14:41 | 0.069                     |
| 8466       | 09/25/2008 | 10:14:42 | 0.097                     |
| 8467       | 09/25/2008 | 10:14:43 | 0.080                     |
| 8468       | 09/25/2008 | 10:14:44 | 0.066                     |
| 8469       | 09/25/2008 | 10:14:45 | 0.086                     |
| 8470       | 09/25/2008 | 10:14:46 | 0.064                     |
| 8471       | 09/25/2008 | 10:14:47 | 0.065                     |
| 8472       | 09/25/2008 | 10:14:48 | 0.067                     |
| 8473       | 09/25/2008 | 10:14:49 | 0.061                     |
| 8474       | 09/25/2008 | 10:14:50 | 0.064                     |
| 8475       | 09/25/2008 | 10:14:51 | 0.087                     |
| 8476       | 09/25/2008 | 10:14:52 | 0.073                     |
| 8477       | 09/25/2008 | 10:14:53 | 0.083                     |
| 8478       | 09/25/2008 | 10:14:54 | 0.072                     |
| 8479       | 09/25/2008 | 10:14:55 | 0.081                     |
| 8480       | 09/25/2008 | 10:14:56 | 0.071                     |
| 8481       | 09/25/2008 | 10:14:57 | 0.073                     |
| 8482       | 09/25/2008 | 10:14:58 | 0.087                     |
| 8483       | 09/25/2008 | 10:14:59 | 0.065                     |
| 8484       | 09/25/2008 | 10:15:00 | 0.065                     |
| 8485       | 09/25/2008 | 10:15:01 | 0.094                     |
| 8486       | 09/25/2008 | 10:15:02 | 0.087                     |
| 8487       | 09/25/2008 | 10:15:03 | 0.067                     |
| 8488       | 09/25/2008 | 10:15:04 | 0.067                     |
| 8489       | 09/25/2008 | 10:15:05 | 0.063                     |
| 8490       | 09/25/2008 | 10:15:06 | 0.061                     |
| 8491       | 09/25/2008 | 10:15:07 | 0.066                     |
| 8492       | 09/25/2008 | 10:15:08 | 0.069                     |
| 8493       | 09/25/2008 | 10:15:09 | 0.070                     |
| 8494       | 09/25/2008 | 10:15:10 | 0.067                     |
| 8495       | 09/25/2008 | 10:15:11 | 0.068                     |
| 8496       | 09/25/2008 | 10:15:12 | 0.070                     |
| 8497       | 09/25/2008 | 10:15:13 | 0.071                     |
| 8498       | 09/25/2008 | 10:15:14 | 0.075                     |
| 8499       | 09/25/2008 | 10:15:15 | 0.071                     |
| 8500       | 09/25/2008 | 10:15:16 | 0.080                     |
| 8501       | 09/25/2008 | 10:15:17 | 0.067                     |
| 8502       | 09/25/2008 | 10:15:18 | 0.072                     |
| 8503       | 09/25/2008 | 10:15:19 | 0.082                     |
| 8504       | 09/25/2008 | 10:15:20 | 0.067                     |
| 8505       | 09/25/2008 | 10:15:21 | 0.071                     |
| 8506       | 09/25/2008 | 10:15:22 | 0.074                     |
| 8507       | 09/25/2008 | 10:15:23 | 0.067                     |
| 8508       | 09/25/2008 | 10:15:24 | 0.075                     |
| 8509       | 09/25/2008 | 10:15:25 | 0.143                     |
| 8510       | 09/25/2008 | 10:15:26 | 0.069                     |
| 8511       | 09/25/2008 | 10:15:27 | 0.073                     |
| 8512       | 09/25/2008 | 10:15:28 | 0.078                     |
| 8513       | 09/25/2008 | 10:15:29 | 0.072                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 8514       | 09/25/2008 | 10:15:30 | 0.069                     |
| 8515       | 09/25/2008 | 10:15:31 | 0.062                     |
| 8516       | 09/25/2008 | 10:15:32 | 0.065                     |
| 8517       | 09/25/2008 | 10:15:33 | 0.063                     |
| 8518       | 09/25/2008 | 10:15:34 | 0.068                     |
| 8519       | 09/25/2008 | 10:15:35 | 0.067                     |
| 8520       | 09/25/2008 | 10:15:36 | 0.065                     |
| 8521       | 09/25/2008 | 10:15:37 | 0.063                     |
| 8522       | 09/25/2008 | 10:15:38 | 0.062                     |
| 8523       | 09/25/2008 | 10:15:39 | 0.066                     |
| 8524       | 09/25/2008 | 10:15:40 | 0.068                     |
| 8525       | 09/25/2008 | 10:15:41 | 0.069                     |
| 8526       | 09/25/2008 | 10:15:42 | 0.064                     |
| 8527       | 09/25/2008 | 10:15:43 | 0.064                     |
| 8528       | 09/25/2008 | 10:15:44 | 0.066                     |
| 8529       | 09/25/2008 | 10:15:45 | 0.071                     |
| 8530       | 09/25/2008 | 10:15:46 | 0.062                     |
| 8531       | 09/25/2008 | 10:15:47 | 0.087                     |
| 8532       | 09/25/2008 | 10:15:48 | 0.062                     |
| 8533       | 09/25/2008 | 10:15:49 | 0.081                     |
| 8534       | 09/25/2008 | 10:15:50 | 0.072                     |
| 8535       | 09/25/2008 | 10:15:51 | 0.069                     |
| 8536       | 09/25/2008 | 10:15:52 | 0.064                     |
| 8537       | 09/25/2008 | 10:15:53 | 0.082                     |
| 8538       | 09/25/2008 | 10:15:54 | 0.080                     |
| 8539       | 09/25/2008 | 10:15:55 | 0.063                     |
| 8540       | 09/25/2008 | 10:15:56 | 0.067                     |
| 8541       | 09/25/2008 | 10:15:57 | 0.128                     |
| 8542       | 09/25/2008 | 10:15:58 | 0.069                     |
| 8543       | 09/25/2008 | 10:15:59 | 0.069                     |
| 8544       | 09/25/2008 | 10:16:00 | 0.071                     |
| 8545       | 09/25/2008 | 10:16:01 | 0.063                     |
| 8546       | 09/25/2008 | 10:16:02 | 0.075                     |
| 8547       | 09/25/2008 | 10:16:03 | 0.123                     |
| 8548       | 09/25/2008 | 10:16:04 | 0.072                     |
| 8549       | 09/25/2008 | 10:16:05 | 0.074                     |
| 8550       | 09/25/2008 | 10:16:06 | 0.104                     |
| 8551       | 09/25/2008 | 10:16:07 | 0.101                     |
| 8552       | 09/25/2008 | 10:16:08 | 0.111                     |
| 8553       | 09/25/2008 | 10:16:09 | 0.074                     |
| 8554       | 09/25/2008 | 10:16:10 | 0.072                     |
| 8555       | 09/25/2008 | 10:16:11 | 0.071                     |
| 8556       | 09/25/2008 | 10:16:12 | 0.067                     |
| 8557       | 09/25/2008 | 10:16:13 | 0.074                     |
| 8558       | 09/25/2008 | 10:16:14 | 0.081                     |
| 8559       | 09/25/2008 | 10:16:15 | 0.097                     |
| 8560       | 09/25/2008 | 10:16:16 | 0.065                     |
| 8561       | 09/25/2008 | 10:16:17 | 0.064                     |
| 8562       | 09/25/2008 | 10:16:18 | 0.063                     |
| 8563       | 09/25/2008 | 10:16:19 | 0.076                     |
| 8564       | 09/25/2008 | 10:16:20 | 0.067                     |
| 8565       | 09/25/2008 | 10:16:21 | 0.068                     |
| 8566       | 09/25/2008 | 10:16:22 | 0.067                     |
| 8567       | 09/25/2008 | 10:16:23 | 0.064                     |
| 8568       | 09/25/2008 | 10:16:24 | 0.070                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 8569       | 09/25/2008 | 10:16:25 | 0.069                     |
| 8570       | 09/25/2008 | 10:16:26 | 0.060                     |
| 8571       | 09/25/2008 | 10:16:27 | 0.065                     |
| 8572       | 09/25/2008 | 10:16:28 | 0.069                     |
| 8573       | 09/25/2008 | 10:16:29 | 0.064                     |
| 8574       | 09/25/2008 | 10:16:30 | 0.069                     |
| 8575       | 09/25/2008 | 10:16:31 | 0.063                     |
| 8576       | 09/25/2008 | 10:16:32 | 0.063                     |
| 8577       | 09/25/2008 | 10:16:33 | 0.063                     |
| 8578       | 09/25/2008 | 10:16:34 | 0.061                     |
| 8579       | 09/25/2008 | 10:16:35 | 0.071                     |
| 8580       | 09/25/2008 | 10:16:36 | 0.060                     |
| 8581       | 09/25/2008 | 10:16:37 | 0.067                     |
| 8582       | 09/25/2008 | 10:16:38 | 0.064                     |
| 8583       | 09/25/2008 | 10:16:39 | 0.065                     |
| 8584       | 09/25/2008 | 10:16:40 | 0.063                     |
| 8585       | 09/25/2008 | 10:16:41 | 0.067                     |
| 8586       | 09/25/2008 | 10:16:42 | 0.066                     |
| 8587       | 09/25/2008 | 10:16:43 | 0.072                     |
| 8588       | 09/25/2008 | 10:16:44 | 0.071                     |
| 8589       | 09/25/2008 | 10:16:45 | 0.089                     |
| 8590       | 09/25/2008 | 10:16:46 | 0.077                     |
| 8591       | 09/25/2008 | 10:16:47 | 0.067                     |
| 8592       | 09/25/2008 | 10:16:48 | 0.063                     |
| 8593       | 09/25/2008 | 10:16:49 | 0.060                     |
| 8594       | 09/25/2008 | 10:16:50 | 0.061                     |
| 8595       | 09/25/2008 | 10:16:51 | 0.078                     |
| 8596       | 09/25/2008 | 10:16:52 | 0.069                     |
| 8597       | 09/25/2008 | 10:16:53 | 0.071                     |
| 8598       | 09/25/2008 | 10:16:54 | 0.090                     |
| 8599       | 09/25/2008 | 10:16:55 | 0.063                     |
| 8600       | 09/25/2008 | 10:16:56 | 0.066                     |
| 8601       | 09/25/2008 | 10:16:57 | 0.060                     |
| 8602       | 09/25/2008 | 10:16:58 | 0.061                     |
| 8603       | 09/25/2008 | 10:16:59 | 0.064                     |
| 8604       | 09/25/2008 | 10:17:00 | 0.070                     |
| 8605       | 09/25/2008 | 10:17:01 | 0.064                     |
| 8606       | 09/25/2008 | 10:17:02 | 0.087                     |
| 8607       | 09/25/2008 | 10:17:03 | 0.063                     |
| 8608       | 09/25/2008 | 10:17:04 | 0.068                     |
| 8609       | 09/25/2008 | 10:17:05 | 0.067                     |
| 8610       | 09/25/2008 | 10:17:06 | 0.064                     |
| 8611       | 09/25/2008 | 10:17:07 | 0.065                     |
| 8612       | 09/25/2008 | 10:17:08 | 0.185                     |
| 8613       | 09/25/2008 | 10:17:09 | 0.064                     |
| 8614       | 09/25/2008 | 10:17:10 | 0.070                     |
| 8615       | 09/25/2008 | 10:17:11 | 0.074                     |
| 8616       | 09/25/2008 | 10:17:12 | 0.065                     |
| 8617       | 09/25/2008 | 10:17:13 | 0.074                     |
| 8618       | 09/25/2008 | 10:17:14 | 0.061                     |
| 8619       | 09/25/2008 | 10:17:15 | 0.081                     |
| 8620       | 09/25/2008 | 10:17:16 | 0.069                     |
| 8621       | 09/25/2008 | 10:17:17 | 0.173                     |
| 8622       | 09/25/2008 | 10:17:18 | 0.069                     |
| 8623       | 09/25/2008 | 10:17:19 | 0.075                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 8624       | 09/25/2008 | 10:17:20 | 0.122                     |
| 8625       | 09/25/2008 | 10:17:21 | 0.062                     |
| 8626       | 09/25/2008 | 10:17:22 | 0.067                     |
| 8627       | 09/25/2008 | 10:17:23 | 0.058                     |
| 8628       | 09/25/2008 | 10:17:24 | 0.063                     |
| 8629       | 09/25/2008 | 10:17:25 | 0.102                     |
| 8630       | 09/25/2008 | 10:17:26 | 0.061                     |
| 8631       | 09/25/2008 | 10:17:27 | 0.064                     |
| 8632       | 09/25/2008 | 10:17:28 | 0.066                     |
| 8633       | 09/25/2008 | 10:17:29 | 0.184                     |
| 8634       | 09/25/2008 | 10:17:30 | 0.075                     |
| 8635       | 09/25/2008 | 10:17:31 | 0.066                     |
| 8636       | 09/25/2008 | 10:17:32 | 0.062                     |
| 8637       | 09/25/2008 | 10:17:33 | 0.065                     |
| 8638       | 09/25/2008 | 10:17:34 | 0.073                     |
| 8639       | 09/25/2008 | 10:17:35 | 0.071                     |
| 8640       | 09/25/2008 | 10:17:36 | 0.064                     |
| 8641       | 09/25/2008 | 10:17:37 | 0.077                     |
| 8642       | 09/25/2008 | 10:17:38 | 0.074                     |
| 8643       | 09/25/2008 | 10:17:39 | 0.070                     |
| 8644       | 09/25/2008 | 10:17:40 | 0.066                     |
| 8645       | 09/25/2008 | 10:17:41 | 0.066                     |
| 8646       | 09/25/2008 | 10:17:42 | 0.149                     |
| 8647       | 09/25/2008 | 10:17:43 | 0.083                     |
| 8648       | 09/25/2008 | 10:17:44 | 0.066                     |
| 8649       | 09/25/2008 | 10:17:45 | 0.061                     |
| 8650       | 09/25/2008 | 10:17:46 | 0.063                     |
| 8651       | 09/25/2008 | 10:17:47 | 0.065                     |
| 8652       | 09/25/2008 | 10:17:48 | 0.059                     |
| 8653       | 09/25/2008 | 10:17:49 | 0.063                     |
| 8654       | 09/25/2008 | 10:17:50 | 0.067                     |
| 8655       | 09/25/2008 | 10:17:51 | 0.072                     |
| 8656       | 09/25/2008 | 10:17:52 | 0.059                     |
| 8657       | 09/25/2008 | 10:17:53 | 0.063                     |
| 8658       | 09/25/2008 | 10:17:54 | 0.061                     |
| 8659       | 09/25/2008 | 10:17:55 | 0.083                     |
| 8660       | 09/25/2008 | 10:17:56 | 0.081                     |
| 8661       | 09/25/2008 | 10:17:57 | 0.068                     |
| 8662       | 09/25/2008 | 10:17:58 | 0.101                     |
| 8663       | 09/25/2008 | 10:17:59 | 0.090                     |
| 8664       | 09/25/2008 | 10:18:00 | 0.065                     |
| 8665       | 09/25/2008 | 10:18:01 | 0.063                     |
| 8666       | 09/25/2008 | 10:18:02 | 0.077                     |
| 8667       | 09/25/2008 | 10:18:03 | 0.063                     |
| 8668       | 09/25/2008 | 10:18:04 | 0.071                     |
| 8669       | 09/25/2008 | 10:18:05 | 0.075                     |
| 8670       | 09/25/2008 | 10:18:06 | 0.080                     |
| 8671       | 09/25/2008 | 10:18:07 | 0.072                     |
| 8672       | 09/25/2008 | 10:18:08 | 0.074                     |
| 8673       | 09/25/2008 | 10:18:09 | 0.064                     |
| 8674       | 09/25/2008 | 10:18:10 | 0.072                     |
| 8675       | 09/25/2008 | 10:18:11 | 0.068                     |
| 8676       | 09/25/2008 | 10:18:12 | 0.070                     |
| 8677       | 09/25/2008 | 10:18:13 | 0.074                     |
| 8678       | 09/25/2008 | 10:18:14 | 0.062                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 8679       | 09/25/2008 | 10:18:15 | 0.080                     |
| 8680       | 09/25/2008 | 10:18:16 | 0.063                     |
| 8681       | 09/25/2008 | 10:18:17 | 0.064                     |
| 8682       | 09/25/2008 | 10:18:18 | 0.076                     |
| 8683       | 09/25/2008 | 10:18:19 | 0.073                     |
| 8684       | 09/25/2008 | 10:18:20 | 0.070                     |
| 8685       | 09/25/2008 | 10:18:21 | 0.065                     |
| 8686       | 09/25/2008 | 10:18:22 | 0.062                     |
| 8687       | 09/25/2008 | 10:18:23 | 0.065                     |
| 8688       | 09/25/2008 | 10:18:24 | 0.069                     |
| 8689       | 09/25/2008 | 10:18:25 | 0.058                     |
| 8690       | 09/25/2008 | 10:18:26 | 0.066                     |
| 8691       | 09/25/2008 | 10:18:27 | 0.071                     |
| 8692       | 09/25/2008 | 10:18:28 | 0.078                     |
| 8693       | 09/25/2008 | 10:18:29 | 0.066                     |
| 8694       | 09/25/2008 | 10:18:30 | 0.064                     |
| 8695       | 09/25/2008 | 10:18:31 | 0.074                     |
| 8696       | 09/25/2008 | 10:18:32 | 0.080                     |
| 8697       | 09/25/2008 | 10:18:33 | 0.125                     |
| 8698       | 09/25/2008 | 10:18:34 | 0.203                     |
| 8699       | 09/25/2008 | 10:18:35 | 0.093                     |
| 8700       | 09/25/2008 | 10:18:36 | 0.078                     |
| 8701       | 09/25/2008 | 10:18:37 | 0.090                     |
| 8702       | 09/25/2008 | 10:18:38 | 0.070                     |
| 8703       | 09/25/2008 | 10:18:39 | 0.076                     |
| 8704       | 09/25/2008 | 10:18:40 | 0.069                     |
| 8705       | 09/25/2008 | 10:18:41 | 0.079                     |
| 8706       | 09/25/2008 | 10:18:42 | 0.072                     |
| 8707       | 09/25/2008 | 10:18:43 | 0.079                     |
| 8708       | 09/25/2008 | 10:18:44 | 0.106                     |
| 8709       | 09/25/2008 | 10:18:45 | 0.103                     |
| 8710       | 09/25/2008 | 10:18:46 | 0.062                     |
| 8711       | 09/25/2008 | 10:18:47 | 0.068                     |
| 8712       | 09/25/2008 | 10:18:48 | 0.068                     |
| 8713       | 09/25/2008 | 10:18:49 | 0.062                     |
| 8714       | 09/25/2008 | 10:18:50 | 0.081                     |
| 8715       | 09/25/2008 | 10:18:51 | 0.071                     |
| 8716       | 09/25/2008 | 10:18:52 | 0.074                     |
| 8717       | 09/25/2008 | 10:18:53 | 0.091                     |
| 8718       | 09/25/2008 | 10:18:54 | 0.091                     |
| 8719       | 09/25/2008 | 10:18:55 | 0.070                     |
| 8720       | 09/25/2008 | 10:18:56 | 0.066                     |
| 8721       | 09/25/2008 | 10:18:57 | 0.072                     |
| 8722       | 09/25/2008 | 10:18:58 | 0.061                     |
| 8723       | 09/25/2008 | 10:18:59 | 0.070                     |
| 8724       | 09/25/2008 | 10:19:00 | 0.068                     |
| 8725       | 09/25/2008 | 10:19:01 | 0.066                     |
| 8726       | 09/25/2008 | 10:19:02 | 0.067                     |
| 8727       | 09/25/2008 | 10:19:03 | 0.078                     |
| 8728       | 09/25/2008 | 10:19:04 | 0.068                     |
| 8729       | 09/25/2008 | 10:19:05 | 0.066                     |
| 8730       | 09/25/2008 | 10:19:06 | 0.064                     |
| 8731       | 09/25/2008 | 10:19:07 | 0.085                     |
| 8732       | 09/25/2008 | 10:19:08 | 0.073                     |
| 8733       | 09/25/2008 | 10:19:09 | 0.065                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 8734       | 09/25/2008 | 10:19:10 | 0.063                     |
| 8735       | 09/25/2008 | 10:19:11 | 0.064                     |
| 8736       | 09/25/2008 | 10:19:12 | 0.072                     |
| 8737       | 09/25/2008 | 10:19:13 | 0.071                     |
| 8738       | 09/25/2008 | 10:19:14 | 0.060                     |
| 8739       | 09/25/2008 | 10:19:15 | 0.067                     |
| 8740       | 09/25/2008 | 10:19:16 | 0.080                     |
| 8741       | 09/25/2008 | 10:19:17 | 0.099                     |
| 8742       | 09/25/2008 | 10:19:18 | 0.091                     |
| 8743       | 09/25/2008 | 10:19:19 | 0.087                     |
| 8744       | 09/25/2008 | 10:19:20 | 0.082                     |
| 8745       | 09/25/2008 | 10:19:21 | 0.076                     |
| 8746       | 09/25/2008 | 10:19:22 | 0.094                     |
| 8747       | 09/25/2008 | 10:19:23 | 0.129                     |
| 8748       | 09/25/2008 | 10:19:24 | 0.064                     |
| 8749       | 09/25/2008 | 10:19:25 | 0.066                     |
| 8750       | 09/25/2008 | 10:19:26 | 0.087                     |
| 8751       | 09/25/2008 | 10:19:27 | 0.063                     |
| 8752       | 09/25/2008 | 10:19:28 | 0.072                     |
| 8753       | 09/25/2008 | 10:19:29 | 0.080                     |
| 8754       | 09/25/2008 | 10:19:30 | 0.114                     |
| 8755       | 09/25/2008 | 10:19:31 | 0.122                     |
| 8756       | 09/25/2008 | 10:19:32 | 0.074                     |
| 8757       | 09/25/2008 | 10:19:33 | 0.080                     |
| 8758       | 09/25/2008 | 10:19:34 | 0.075                     |
| 8759       | 09/25/2008 | 10:19:35 | 0.071                     |
| 8760       | 09/25/2008 | 10:19:36 | 0.072                     |
| 8761       | 09/25/2008 | 10:19:37 | 0.067                     |
| 8762       | 09/25/2008 | 10:19:38 | 0.072                     |
| 8763       | 09/25/2008 | 10:19:39 | 0.081                     |
| 8764       | 09/25/2008 | 10:19:40 | 0.075                     |
| 8765       | 09/25/2008 | 10:19:41 | 0.067                     |
| 8766       | 09/25/2008 | 10:19:42 | 0.072                     |
| 8767       | 09/25/2008 | 10:19:43 | 0.073                     |
| 8768       | 09/25/2008 | 10:19:44 | 0.069                     |
| 8769       | 09/25/2008 | 10:19:45 | 0.068                     |
| 8770       | 09/25/2008 | 10:19:46 | 0.061                     |
| 8771       | 09/25/2008 | 10:19:47 | 0.064                     |
| 8772       | 09/25/2008 | 10:19:48 | 0.063                     |
| 8773       | 09/25/2008 | 10:19:49 | 0.074                     |
| 8774       | 09/25/2008 | 10:19:50 | 0.071                     |
| 8775       | 09/25/2008 | 10:19:51 | 0.067                     |
| 8776       | 09/25/2008 | 10:19:52 | 0.062                     |
| 8777       | 09/25/2008 | 10:19:53 | 0.091                     |
| 8778       | 09/25/2008 | 10:19:54 | 0.062                     |
| 8779       | 09/25/2008 | 10:19:55 | 0.075                     |
| 8780       | 09/25/2008 | 10:19:56 | 0.074                     |
| 8781       | 09/25/2008 | 10:19:57 | 0.069                     |
| 8782       | 09/25/2008 | 10:19:58 | 0.087                     |
| 8783       | 09/25/2008 | 10:19:59 | 0.072                     |
| 8784       | 09/25/2008 | 10:20:00 | 0.080                     |
| 8785       | 09/25/2008 | 10:20:01 | 0.060                     |
| 8786       | 09/25/2008 | 10:20:02 | 0.065                     |
| 8787       | 09/25/2008 | 10:20:03 | 0.067                     |
| 8788       | 09/25/2008 | 10:20:04 | 0.061                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 8789       | 09/25/2008 | 10:20:05 | 0.068                     |
| 8790       | 09/25/2008 | 10:20:06 | 0.077                     |
| 8791       | 09/25/2008 | 10:20:07 | 0.066                     |
| 8792       | 09/25/2008 | 10:20:08 | 0.091                     |
| 8793       | 09/25/2008 | 10:20:09 | 0.066                     |
| 8794       | 09/25/2008 | 10:20:10 | 0.068                     |
| 8795       | 09/25/2008 | 10:20:11 | 0.062                     |
| 8796       | 09/25/2008 | 10:20:12 | 0.078                     |
| 8797       | 09/25/2008 | 10:20:13 | 0.063                     |
| 8798       | 09/25/2008 | 10:20:14 | 0.065                     |
| 8799       | 09/25/2008 | 10:20:15 | 0.063                     |
| 8800       | 09/25/2008 | 10:20:16 | 0.072                     |
| 8801       | 09/25/2008 | 10:20:17 | 0.089                     |
| 8802       | 09/25/2008 | 10:20:18 | 0.080                     |
| 8803       | 09/25/2008 | 10:20:19 | 0.098                     |
| 8804       | 09/25/2008 | 10:20:20 | 0.065                     |
| 8805       | 09/25/2008 | 10:20:21 | 0.067                     |
| 8806       | 09/25/2008 | 10:20:22 | 0.072                     |
| 8807       | 09/25/2008 | 10:20:23 | 0.100                     |
| 8808       | 09/25/2008 | 10:20:24 | 0.066                     |
| 8809       | 09/25/2008 | 10:20:25 | 0.069                     |
| 8810       | 09/25/2008 | 10:20:26 | 0.065                     |
| 8811       | 09/25/2008 | 10:20:27 | 0.083                     |
| 8812       | 09/25/2008 | 10:20:28 | 0.066                     |
| 8813       | 09/25/2008 | 10:20:29 | 0.072                     |
| 8814       | 09/25/2008 | 10:20:30 | 0.061                     |
| 8815       | 09/25/2008 | 10:20:31 | 0.064                     |
| 8816       | 09/25/2008 | 10:20:32 | 0.062                     |
| 8817       | 09/25/2008 | 10:20:33 | 0.135                     |
| 8818       | 09/25/2008 | 10:20:34 | 0.293                     |
| 8819       | 09/25/2008 | 10:20:35 | 0.191                     |
| 8820       | 09/25/2008 | 10:20:36 | 0.118                     |
| 8821       | 09/25/2008 | 10:20:37 | 0.106                     |
| 8822       | 09/25/2008 | 10:20:38 | 0.082                     |
| 8823       | 09/25/2008 | 10:20:39 | 0.073                     |
| 8824       | 09/25/2008 | 10:20:40 | 0.105                     |
| 8825       | 09/25/2008 | 10:20:41 | 0.110                     |
| 8826       | 09/25/2008 | 10:20:42 | 0.098                     |
| 8827       | 09/25/2008 | 10:20:43 | 0.093                     |
| 8828       | 09/25/2008 | 10:20:44 | 0.087                     |
| 8829       | 09/25/2008 | 10:20:45 | 0.090                     |
| 8830       | 09/25/2008 | 10:20:46 | 0.078                     |
| 8831       | 09/25/2008 | 10:20:47 | 0.071                     |
| 8832       | 09/25/2008 | 10:20:48 | 0.074                     |
| 8833       | 09/25/2008 | 10:20:49 | 0.068                     |
| 8834       | 09/25/2008 | 10:20:50 | 0.068                     |
| 8835       | 09/25/2008 | 10:20:51 | 0.080                     |
| 8836       | 09/25/2008 | 10:20:52 | 0.064                     |
| 8837       | 09/25/2008 | 10:20:53 | 0.084                     |
| 8838       | 09/25/2008 | 10:20:54 | 0.070                     |
| 8839       | 09/25/2008 | 10:20:55 | 0.064                     |
| 8840       | 09/25/2008 | 10:20:56 | 0.075                     |
| 8841       | 09/25/2008 | 10:20:57 | 0.097                     |
| 8842       | 09/25/2008 | 10:20:58 | 0.073                     |
| 8843       | 09/25/2008 | 10:20:59 | 0.091                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 8844       | 09/25/2008 | 10:21:00 | 0.108                     |
| 8845       | 09/25/2008 | 10:21:01 | 0.067                     |
| 8846       | 09/25/2008 | 10:21:02 | 0.071                     |
| 8847       | 09/25/2008 | 10:21:03 | 0.072                     |
| 8848       | 09/25/2008 | 10:21:04 | 0.069                     |
| 8849       | 09/25/2008 | 10:21:05 | 0.060                     |
| 8850       | 09/25/2008 | 10:21:06 | 0.064                     |
| 8851       | 09/25/2008 | 10:21:07 | 0.074                     |
| 8852       | 09/25/2008 | 10:21:08 | 0.066                     |
| 8853       | 09/25/2008 | 10:21:09 | 0.074                     |
| 8854       | 09/25/2008 | 10:21:10 | 0.123                     |
| 8855       | 09/25/2008 | 10:21:11 | 0.077                     |
| 8856       | 09/25/2008 | 10:21:12 | 0.063                     |
| 8857       | 09/25/2008 | 10:21:13 | 0.061                     |
| 8858       | 09/25/2008 | 10:21:14 | 0.072                     |
| 8859       | 09/25/2008 | 10:21:15 | 0.072                     |
| 8860       | 09/25/2008 | 10:21:16 | 0.065                     |
| 8861       | 09/25/2008 | 10:21:17 | 0.063                     |
| 8862       | 09/25/2008 | 10:21:18 | 0.061                     |
| 8863       | 09/25/2008 | 10:21:19 | 0.064                     |
| 8864       | 09/25/2008 | 10:21:20 | 0.065                     |
| 8865       | 09/25/2008 | 10:21:21 | 0.067                     |
| 8866       | 09/25/2008 | 10:21:22 | 0.062                     |
| 8867       | 09/25/2008 | 10:21:23 | 0.061                     |
| 8868       | 09/25/2008 | 10:21:24 | 0.064                     |
| 8869       | 09/25/2008 | 10:21:25 | 0.064                     |
| 8870       | 09/25/2008 | 10:21:26 | 0.064                     |
| 8871       | 09/25/2008 | 10:21:27 | 0.060                     |
| 8872       | 09/25/2008 | 10:21:28 | 0.061                     |
| 8873       | 09/25/2008 | 10:21:29 | 0.061                     |
| 8874       | 09/25/2008 | 10:21:30 | 0.066                     |
| 8875       | 09/25/2008 | 10:21:31 | 0.077                     |
| 8876       | 09/25/2008 | 10:21:32 | 0.065                     |
| 8877       | 09/25/2008 | 10:21:33 | 0.076                     |
| 8878       | 09/25/2008 | 10:21:34 | 0.085                     |
| 8879       | 09/25/2008 | 10:21:35 | 0.091                     |
| 8880       | 09/25/2008 | 10:21:36 | 0.124                     |
| 8881       | 09/25/2008 | 10:21:37 | 0.084                     |
| 8882       | 09/25/2008 | 10:21:38 | 0.076                     |
| 8883       | 09/25/2008 | 10:21:39 | 0.075                     |
| 8884       | 09/25/2008 | 10:21:40 | 0.063                     |
| 8885       | 09/25/2008 | 10:21:41 | 0.074                     |
| 8886       | 09/25/2008 | 10:21:42 | 0.074                     |
| 8887       | 09/25/2008 | 10:21:43 | 0.066                     |
| 8888       | 09/25/2008 | 10:21:44 | 0.064                     |
| 8889       | 09/25/2008 | 10:21:45 | 0.102                     |
| 8890       | 09/25/2008 | 10:21:46 | 0.062                     |
| 8891       | 09/25/2008 | 10:21:47 | 0.065                     |
| 8892       | 09/25/2008 | 10:21:48 | 0.089                     |
| 8893       | 09/25/2008 | 10:21:49 | 0.096                     |
| 8894       | 09/25/2008 | 10:21:50 | 0.075                     |
| 8895       | 09/25/2008 | 10:21:51 | 0.068                     |
| 8896       | 09/25/2008 | 10:21:52 | 0.062                     |
| 8897       | 09/25/2008 | 10:21:53 | 0.078                     |
| 8898       | 09/25/2008 | 10:21:54 | 0.063                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 8899       | 09/25/2008 | 10:21:55 | 0.066                     |
| 8900       | 09/25/2008 | 10:21:56 | 0.066                     |
| 8901       | 09/25/2008 | 10:21:57 | 0.067                     |
| 8902       | 09/25/2008 | 10:21:58 | 0.069                     |
| 8903       | 09/25/2008 | 10:21:59 | 0.059                     |
| 8904       | 09/25/2008 | 10:22:00 | 0.065                     |
| 8905       | 09/25/2008 | 10:22:01 | 0.059                     |
| 8906       | 09/25/2008 | 10:22:02 | 0.126                     |
| 8907       | 09/25/2008 | 10:22:03 | 0.067                     |
| 8908       | 09/25/2008 | 10:22:04 | 0.069                     |
| 8909       | 09/25/2008 | 10:22:05 | 0.070                     |
| 8910       | 09/25/2008 | 10:22:06 | 0.064                     |
| 8911       | 09/25/2008 | 10:22:07 | 0.080                     |
| 8912       | 09/25/2008 | 10:22:08 | 0.162                     |
| 8913       | 09/25/2008 | 10:22:09 | 0.068                     |
| 8914       | 09/25/2008 | 10:22:10 | 0.064                     |
| 8915       | 09/25/2008 | 10:22:11 | 0.061                     |
| 8916       | 09/25/2008 | 10:22:12 | 0.065                     |
| 8917       | 09/25/2008 | 10:22:13 | 0.065                     |
| 8918       | 09/25/2008 | 10:22:14 | 0.066                     |
| 8919       | 09/25/2008 | 10:22:15 | 0.061                     |
| 8920       | 09/25/2008 | 10:22:16 | 0.070                     |
| 8921       | 09/25/2008 | 10:22:17 | 0.057                     |
| 8922       | 09/25/2008 | 10:22:18 | 0.079                     |
| 8923       | 09/25/2008 | 10:22:19 | 0.063                     |
| 8924       | 09/25/2008 | 10:22:20 | 0.063                     |
| 8925       | 09/25/2008 | 10:22:21 | 0.082                     |
| 8926       | 09/25/2008 | 10:22:22 | 0.063                     |
| 8927       | 09/25/2008 | 10:22:23 | 0.060                     |
| 8928       | 09/25/2008 | 10:22:24 | 0.060                     |
| 8929       | 09/25/2008 | 10:22:25 | 0.074                     |
| 8930       | 09/25/2008 | 10:22:26 | 0.065                     |
| 8931       | 09/25/2008 | 10:22:27 | 0.068                     |
| 8932       | 09/25/2008 | 10:22:28 | 0.070                     |
| 8933       | 09/25/2008 | 10:22:29 | 0.067                     |
| 8934       | 09/25/2008 | 10:22:30 | 0.058                     |
| 8935       | 09/25/2008 | 10:22:31 | 0.072                     |
| 8936       | 09/25/2008 | 10:22:32 | 0.064                     |
| 8937       | 09/25/2008 | 10:22:33 | 0.067                     |
| 8938       | 09/25/2008 | 10:22:34 | 0.060                     |
| 8939       | 09/25/2008 | 10:22:35 | 0.063                     |
| 8940       | 09/25/2008 | 10:22:36 | 0.069                     |
| 8941       | 09/25/2008 | 10:22:37 | 0.066                     |
| 8942       | 09/25/2008 | 10:22:38 | 0.060                     |
| 8943       | 09/25/2008 | 10:22:39 | 0.059                     |
| 8944       | 09/25/2008 | 10:22:40 | 0.079                     |
| 8945       | 09/25/2008 | 10:22:41 | 0.063                     |
| 8946       | 09/25/2008 | 10:22:42 | 0.062                     |
| 8947       | 09/25/2008 | 10:22:43 | 0.078                     |
| 8948       | 09/25/2008 | 10:22:44 | 0.067                     |
| 8949       | 09/25/2008 | 10:22:45 | 0.111                     |
| 8950       | 09/25/2008 | 10:22:46 | 0.070                     |
| 8951       | 09/25/2008 | 10:22:47 | 0.063                     |
| 8952       | 09/25/2008 | 10:22:48 | 0.066                     |
| 8953       | 09/25/2008 | 10:22:49 | 0.059                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 8954       | 09/25/2008 | 10:22:50 | 0.088                     |
| 8955       | 09/25/2008 | 10:22:51 | 0.058                     |
| 8956       | 09/25/2008 | 10:22:52 | 0.067                     |
| 8957       | 09/25/2008 | 10:22:53 | 0.071                     |
| 8958       | 09/25/2008 | 10:22:54 | 0.059                     |
| 8959       | 09/25/2008 | 10:22:55 | 0.068                     |
| 8960       | 09/25/2008 | 10:22:56 | 0.067                     |
| 8961       | 09/25/2008 | 10:22:57 | 0.059                     |
| 8962       | 09/25/2008 | 10:22:58 | 0.061                     |
| 8963       | 09/25/2008 | 10:22:59 | 0.067                     |
| 8964       | 09/25/2008 | 10:23:00 | 0.123                     |
| 8965       | 09/25/2008 | 10:23:01 | 0.060                     |
| 8966       | 09/25/2008 | 10:23:02 | 0.069                     |
| 8967       | 09/25/2008 | 10:23:03 | 0.059                     |
| 8968       | 09/25/2008 | 10:23:04 | 0.063                     |
| 8969       | 09/25/2008 | 10:23:05 | 0.067                     |
| 8970       | 09/25/2008 | 10:23:06 | 0.066                     |
| 8971       | 09/25/2008 | 10:23:07 | 0.059                     |
| 8972       | 09/25/2008 | 10:23:08 | 0.062                     |
| 8973       | 09/25/2008 | 10:23:09 | 0.119                     |
| 8974       | 09/25/2008 | 10:23:10 | 0.065                     |
| 8975       | 09/25/2008 | 10:23:11 | 0.063                     |
| 8976       | 09/25/2008 | 10:23:12 | 0.080                     |
| 8977       | 09/25/2008 | 10:23:13 | 0.064                     |
| 8978       | 09/25/2008 | 10:23:14 | 0.093                     |
| 8979       | 09/25/2008 | 10:23:15 | 0.067                     |
| 8980       | 09/25/2008 | 10:23:16 | 0.062                     |
| 8981       | 09/25/2008 | 10:23:17 | 0.063                     |
| 8982       | 09/25/2008 | 10:23:18 | 0.062                     |
| 8983       | 09/25/2008 | 10:23:19 | 0.060                     |
| 8984       | 09/25/2008 | 10:23:20 | 0.068                     |
| 8985       | 09/25/2008 | 10:23:21 | 0.056                     |
| 8986       | 09/25/2008 | 10:23:22 | 0.062                     |
| 8987       | 09/25/2008 | 10:23:23 | 0.064                     |
| 8988       | 09/25/2008 | 10:23:24 | 0.062                     |
| 8989       | 09/25/2008 | 10:23:25 | 0.069                     |
| 8990       | 09/25/2008 | 10:23:26 | 0.059                     |
| 8991       | 09/25/2008 | 10:23:27 | 0.086                     |
| 8992       | 09/25/2008 | 10:23:28 | 0.062                     |
| 8993       | 09/25/2008 | 10:23:29 | 0.066                     |
| 8994       | 09/25/2008 | 10:23:30 | 0.060                     |
| 8995       | 09/25/2008 | 10:23:31 | 0.061                     |
| 8996       | 09/25/2008 | 10:23:32 | 0.111                     |
| 8997       | 09/25/2008 | 10:23:33 | 0.064                     |
| 8998       | 09/25/2008 | 10:23:34 | 0.060                     |
| 8999       | 09/25/2008 | 10:23:35 | 0.057                     |
| 9000       | 09/25/2008 | 10:23:36 | 0.074                     |
| 9001       | 09/25/2008 | 10:23:37 | 0.057                     |
| 9002       | 09/25/2008 | 10:23:38 | 0.062                     |
| 9003       | 09/25/2008 | 10:23:39 | 0.057                     |
| 9004       | 09/25/2008 | 10:23:40 | 0.060                     |
| 9005       | 09/25/2008 | 10:23:41 | 0.062                     |
| 9006       | 09/25/2008 | 10:23:42 | 0.061                     |
| 9007       | 09/25/2008 | 10:23:43 | 0.078                     |
| 9008       | 09/25/2008 | 10:23:44 | 0.058                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 9009       | 09/25/2008 | 10:23:45 | 0.081                     |
| 9010       | 09/25/2008 | 10:23:46 | 0.070                     |
| 9011       | 09/25/2008 | 10:23:47 | 0.061                     |
| 9012       | 09/25/2008 | 10:23:48 | 0.065                     |
| 9013       | 09/25/2008 | 10:23:49 | 0.064                     |
| 9014       | 09/25/2008 | 10:23:50 | 0.061                     |
| 9015       | 09/25/2008 | 10:23:51 | 0.069                     |
| 9016       | 09/25/2008 | 10:23:52 | 0.083                     |
| 9017       | 09/25/2008 | 10:23:53 | 0.067                     |
| 9018       | 09/25/2008 | 10:23:54 | 0.057                     |
| 9019       | 09/25/2008 | 10:23:55 | 0.063                     |
| 9020       | 09/25/2008 | 10:23:56 | 0.077                     |
| 9021       | 09/25/2008 | 10:23:57 | 0.062                     |
| 9022       | 09/25/2008 | 10:23:58 | 0.066                     |
| 9023       | 09/25/2008 | 10:23:59 | 0.074                     |
| 9024       | 09/25/2008 | 10:24:00 | 0.070                     |
| 9025       | 09/25/2008 | 10:24:01 | 0.062                     |
| 9026       | 09/25/2008 | 10:24:02 | 0.070                     |
| 9027       | 09/25/2008 | 10:24:03 | 0.056                     |
| 9028       | 09/25/2008 | 10:24:04 | 0.058                     |
| 9029       | 09/25/2008 | 10:24:05 | 0.070                     |
| 9030       | 09/25/2008 | 10:24:06 | 0.072                     |
| 9031       | 09/25/2008 | 10:24:07 | 0.076                     |
| 9032       | 09/25/2008 | 10:24:08 | 0.069                     |
| 9033       | 09/25/2008 | 10:24:09 | 0.058                     |
| 9034       | 09/25/2008 | 10:24:10 | 0.066                     |
| 9035       | 09/25/2008 | 10:24:11 | 0.064                     |
| 9036       | 09/25/2008 | 10:24:12 | 0.091                     |
| 9037       | 09/25/2008 | 10:24:13 | 0.067                     |
| 9038       | 09/25/2008 | 10:24:14 | 0.062                     |
| 9039       | 09/25/2008 | 10:24:15 | 0.063                     |
| 9040       | 09/25/2008 | 10:24:16 | 0.080                     |
| 9041       | 09/25/2008 | 10:24:17 | 0.074                     |
| 9042       | 09/25/2008 | 10:24:18 | 0.071                     |
| 9043       | 09/25/2008 | 10:24:19 | 0.059                     |
| 9044       | 09/25/2008 | 10:24:20 | 0.065                     |
| 9045       | 09/25/2008 | 10:24:21 | 0.082                     |
| 9046       | 09/25/2008 | 10:24:22 | 0.060                     |
| 9047       | 09/25/2008 | 10:24:23 | 0.059                     |
| 9048       | 09/25/2008 | 10:24:24 | 0.062                     |
| 9049       | 09/25/2008 | 10:24:25 | 0.177                     |
| 9050       | 09/25/2008 | 10:24:26 | 0.065                     |
| 9051       | 09/25/2008 | 10:24:27 | 0.069                     |
| 9052       | 09/25/2008 | 10:24:28 | 0.061                     |
| 9053       | 09/25/2008 | 10:24:29 | 0.063                     |
| 9054       | 09/25/2008 | 10:24:30 | 0.066                     |
| 9055       | 09/25/2008 | 10:24:31 | 0.062                     |
| 9056       | 09/25/2008 | 10:24:32 | 0.067                     |
| 9057       | 09/25/2008 | 10:24:33 | 0.063                     |
| 9058       | 09/25/2008 | 10:24:34 | 0.120                     |
| 9059       | 09/25/2008 | 10:24:35 | 0.061                     |
| 9060       | 09/25/2008 | 10:24:36 | 0.064                     |
| 9061       | 09/25/2008 | 10:24:37 | 0.061                     |
| 9062       | 09/25/2008 | 10:24:38 | 0.062                     |
| 9063       | 09/25/2008 | 10:24:39 | 0.070                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 9064       | 09/25/2008 | 10:24:40 | 0.080                     |
| 9065       | 09/25/2008 | 10:24:41 | 0.108                     |
| 9066       | 09/25/2008 | 10:24:42 | 0.099                     |
| 9067       | 09/25/2008 | 10:24:43 | 0.089                     |
| 9068       | 09/25/2008 | 10:24:44 | 0.067                     |
| 9069       | 09/25/2008 | 10:24:45 | 0.104                     |
| 9070       | 09/25/2008 | 10:24:46 | 0.060                     |
| 9071       | 09/25/2008 | 10:24:47 | 0.067                     |
| 9072       | 09/25/2008 | 10:24:48 | 0.067                     |
| 9073       | 09/25/2008 | 10:24:49 | 0.072                     |
| 9074       | 09/25/2008 | 10:24:50 | 0.069                     |
| 9075       | 09/25/2008 | 10:24:51 | 0.065                     |
| 9076       | 09/25/2008 | 10:24:52 | 0.062                     |
| 9077       | 09/25/2008 | 10:24:53 | 0.067                     |
| 9078       | 09/25/2008 | 10:24:54 | 0.062                     |
| 9079       | 09/25/2008 | 10:24:55 | 0.074                     |
| 9080       | 09/25/2008 | 10:24:56 | 0.067                     |
| 9081       | 09/25/2008 | 10:24:57 | 0.061                     |
| 9082       | 09/25/2008 | 10:24:58 | 0.060                     |
| 9083       | 09/25/2008 | 10:24:59 | 0.070                     |
| 9084       | 09/25/2008 | 10:25:00 | 0.090                     |
| 9085       | 09/25/2008 | 10:25:01 | 0.082                     |
| 9086       | 09/25/2008 | 10:25:02 | 0.064                     |
| 9087       | 09/25/2008 | 10:25:03 | 0.068                     |
| 9088       | 09/25/2008 | 10:25:04 | 0.057                     |
| 9089       | 09/25/2008 | 10:25:05 | 0.087                     |
| 9090       | 09/25/2008 | 10:25:06 | 0.065                     |
| 9091       | 09/25/2008 | 10:25:07 | 0.061                     |
| 9092       | 09/25/2008 | 10:25:08 | 0.062                     |
| 9093       | 09/25/2008 | 10:25:09 | 0.073                     |
| 9094       | 09/25/2008 | 10:25:10 | 0.064                     |
| 9095       | 09/25/2008 | 10:25:11 | 0.067                     |
| 9096       | 09/25/2008 | 10:25:12 | 0.063                     |
| 9097       | 09/25/2008 | 10:25:13 | 0.070                     |
| 9098       | 09/25/2008 | 10:25:14 | 0.062                     |
| 9099       | 09/25/2008 | 10:25:15 | 0.073                     |
| 9100       | 09/25/2008 | 10:25:16 | 0.058                     |
| 9101       | 09/25/2008 | 10:25:17 | 0.079                     |
| 9102       | 09/25/2008 | 10:25:18 | 0.058                     |
| 9103       | 09/25/2008 | 10:25:19 | 0.059                     |
| 9104       | 09/25/2008 | 10:25:20 | 0.061                     |
| 9105       | 09/25/2008 | 10:25:21 | 0.058                     |
| 9106       | 09/25/2008 | 10:25:22 | 0.070                     |
| 9107       | 09/25/2008 | 10:25:23 | 0.064                     |
| 9108       | 09/25/2008 | 10:25:24 | 0.094                     |
| 9109       | 09/25/2008 | 10:25:25 | 0.070                     |
| 9110       | 09/25/2008 | 10:25:26 | 0.059                     |
| 9111       | 09/25/2008 | 10:25:27 | 0.063                     |
| 9112       | 09/25/2008 | 10:25:28 | 0.071                     |
| 9113       | 09/25/2008 | 10:25:29 | 0.059                     |
| 9114       | 09/25/2008 | 10:25:30 | 0.059                     |
| 9115       | 09/25/2008 | 10:25:31 | 0.066                     |
| 9116       | 09/25/2008 | 10:25:32 | 0.063                     |
| 9117       | 09/25/2008 | 10:25:33 | 0.062                     |
| 9118       | 09/25/2008 | 10:25:34 | 0.058                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 9119       | 09/25/2008 | 10:25:35 | 0.065                     |
| 9120       | 09/25/2008 | 10:25:36 | 0.065                     |
| 9121       | 09/25/2008 | 10:25:37 | 0.067                     |
| 9122       | 09/25/2008 | 10:25:38 | 0.059                     |
| 9123       | 09/25/2008 | 10:25:39 | 0.069                     |
| 9124       | 09/25/2008 | 10:25:40 | 0.060                     |
| 9125       | 09/25/2008 | 10:25:41 | 0.062                     |
| 9126       | 09/25/2008 | 10:25:42 | 0.066                     |
| 9127       | 09/25/2008 | 10:25:43 | 0.071                     |
| 9128       | 09/25/2008 | 10:25:44 | 0.061                     |
| 9129       | 09/25/2008 | 10:25:45 | 0.066                     |
| 9130       | 09/25/2008 | 10:25:46 | 0.065                     |
| 9131       | 09/25/2008 | 10:25:47 | 0.062                     |
| 9132       | 09/25/2008 | 10:25:48 | 0.068                     |
| 9133       | 09/25/2008 | 10:25:49 | 0.059                     |
| 9134       | 09/25/2008 | 10:25:50 | 0.060                     |
| 9135       | 09/25/2008 | 10:25:51 | 0.066                     |
| 9136       | 09/25/2008 | 10:25:52 | 0.067                     |
| 9137       | 09/25/2008 | 10:25:53 | 0.062                     |
| 9138       | 09/25/2008 | 10:25:54 | 0.061                     |
| 9139       | 09/25/2008 | 10:25:55 | 0.057                     |
| 9140       | 09/25/2008 | 10:25:56 | 0.060                     |
| 9141       | 09/25/2008 | 10:25:57 | 0.063                     |
| 9142       | 09/25/2008 | 10:25:58 | 0.065                     |
| 9143       | 09/25/2008 | 10:25:59 | 0.059                     |
| 9144       | 09/25/2008 | 10:26:00 | 0.074                     |
| 9145       | 09/25/2008 | 10:26:01 | 0.077                     |
| 9146       | 09/25/2008 | 10:26:02 | 0.068                     |
| 9147       | 09/25/2008 | 10:26:03 | 0.070                     |
| 9148       | 09/25/2008 | 10:26:04 | 0.064                     |
| 9149       | 09/25/2008 | 10:26:05 | 0.064                     |
| 9150       | 09/25/2008 | 10:26:06 | 0.064                     |
| 9151       | 09/25/2008 | 10:26:07 | 0.073                     |
| 9152       | 09/25/2008 | 10:26:08 | 0.065                     |
| 9153       | 09/25/2008 | 10:26:09 | 0.066                     |
| 9154       | 09/25/2008 | 10:26:10 | 0.072                     |
| 9155       | 09/25/2008 | 10:26:11 | 0.063                     |
| 9156       | 09/25/2008 | 10:26:12 | 0.064                     |
| 9157       | 09/25/2008 | 10:26:13 | 0.064                     |
| 9158       | 09/25/2008 | 10:26:14 | 0.063                     |
| 9159       | 09/25/2008 | 10:26:15 | 0.067                     |
| 9160       | 09/25/2008 | 10:26:16 | 0.062                     |
| 9161       | 09/25/2008 | 10:26:17 | 0.067                     |
| 9162       | 09/25/2008 | 10:26:18 | 0.075                     |
| 9163       | 09/25/2008 | 10:26:19 | 0.061                     |
| 9164       | 09/25/2008 | 10:26:20 | 0.056                     |
| 9165       | 09/25/2008 | 10:26:21 | 0.059                     |
| 9166       | 09/25/2008 | 10:26:22 | 0.071                     |
| 9167       | 09/25/2008 | 10:26:23 | 0.064                     |
| 9168       | 09/25/2008 | 10:26:24 | 0.059                     |
| 9169       | 09/25/2008 | 10:26:25 | 0.080                     |
| 9170       | 09/25/2008 | 10:26:26 | 0.066                     |
| 9171       | 09/25/2008 | 10:26:27 | 0.067                     |
| 9172       | 09/25/2008 | 10:26:28 | 0.068                     |
| 9173       | 09/25/2008 | 10:26:29 | 0.069                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 9174       | 09/25/2008 | 10:26:30 | 0.062                     |
| 9175       | 09/25/2008 | 10:26:31 | 0.070                     |
| 9176       | 09/25/2008 | 10:26:32 | 0.080                     |
| 9177       | 09/25/2008 | 10:26:33 | 0.098                     |
| 9178       | 09/25/2008 | 10:26:34 | 0.066                     |
| 9179       | 09/25/2008 | 10:26:35 | 0.064                     |
| 9180       | 09/25/2008 | 10:26:36 | 0.065                     |
| 9181       | 09/25/2008 | 10:26:37 | 0.086                     |
| 9182       | 09/25/2008 | 10:26:38 | 0.080                     |
| 9183       | 09/25/2008 | 10:26:39 | 0.068                     |
| 9184       | 09/25/2008 | 10:26:40 | 0.061                     |
| 9185       | 09/25/2008 | 10:26:41 | 0.062                     |
| 9186       | 09/25/2008 | 10:26:42 | 0.071                     |
| 9187       | 09/25/2008 | 10:26:43 | 0.069                     |
| 9188       | 09/25/2008 | 10:26:44 | 0.065                     |
| 9189       | 09/25/2008 | 10:26:45 | 0.065                     |
| 9190       | 09/25/2008 | 10:26:46 | 0.065                     |
| 9191       | 09/25/2008 | 10:26:47 | 0.069                     |
| 9192       | 09/25/2008 | 10:26:48 | 0.088                     |
| 9193       | 09/25/2008 | 10:26:49 | 0.160                     |
| 9194       | 09/25/2008 | 10:26:50 | 0.088                     |
| 9195       | 09/25/2008 | 10:26:51 | 0.072                     |
| 9196       | 09/25/2008 | 10:26:52 | 0.060                     |
| 9197       | 09/25/2008 | 10:26:53 | 0.061                     |
| 9198       | 09/25/2008 | 10:26:54 | 0.071                     |
| 9199       | 09/25/2008 | 10:26:55 | 0.076                     |
| 9200       | 09/25/2008 | 10:26:56 | 0.065                     |
| 9201       | 09/25/2008 | 10:26:57 | 0.073                     |
| 9202       | 09/25/2008 | 10:26:58 | 0.063                     |
| 9203       | 09/25/2008 | 10:26:59 | 0.067                     |
| 9204       | 09/25/2008 | 10:27:00 | 0.067                     |
| 9205       | 09/25/2008 | 10:27:01 | 0.087                     |
| 9206       | 09/25/2008 | 10:27:02 | 0.123                     |
| 9207       | 09/25/2008 | 10:27:03 | 0.159                     |
| 9208       | 09/25/2008 | 10:27:04 | 0.162                     |
| 9209       | 09/25/2008 | 10:27:05 | 0.114                     |
| 9210       | 09/25/2008 | 10:27:06 | 0.112                     |
| 9211       | 09/25/2008 | 10:27:07 | 0.117                     |
| 9212       | 09/25/2008 | 10:27:08 | 0.104                     |
| 9213       | 09/25/2008 | 10:27:09 | 0.099                     |
| 9214       | 09/25/2008 | 10:27:10 | 0.076                     |
| 9215       | 09/25/2008 | 10:27:11 | 0.072                     |
| 9216       | 09/25/2008 | 10:27:12 | 0.075                     |
| 9217       | 09/25/2008 | 10:27:13 | 0.078                     |
| 9218       | 09/25/2008 | 10:27:14 | 0.070                     |
| 9219       | 09/25/2008 | 10:27:15 | 0.065                     |
| 9220       | 09/25/2008 | 10:27:16 | 0.063                     |
| 9221       | 09/25/2008 | 10:27:17 | 0.063                     |
| 9222       | 09/25/2008 | 10:27:18 | 0.070                     |
| 9223       | 09/25/2008 | 10:27:19 | 0.060                     |
| 9224       | 09/25/2008 | 10:27:20 | 0.136                     |
| 9225       | 09/25/2008 | 10:27:21 | 0.054                     |
| 9226       | 09/25/2008 | 10:27:22 | 0.066                     |
| 9227       | 09/25/2008 | 10:27:23 | 0.060                     |
| 9228       | 09/25/2008 | 10:27:24 | 0.063                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 9229       | 09/25/2008 | 10:27:25 | 0.061                     |
| 9230       | 09/25/2008 | 10:27:26 | 0.073                     |
| 9231       | 09/25/2008 | 10:27:27 | 0.060                     |
| 9232       | 09/25/2008 | 10:27:28 | 0.061                     |
| 9233       | 09/25/2008 | 10:27:29 | 0.081                     |
| 9234       | 09/25/2008 | 10:27:30 | 0.071                     |
| 9235       | 09/25/2008 | 10:27:31 | 0.098                     |
| 9236       | 09/25/2008 | 10:27:32 | 0.070                     |
| 9237       | 09/25/2008 | 10:27:33 | 0.072                     |
| 9238       | 09/25/2008 | 10:27:34 | 0.074                     |
| 9239       | 09/25/2008 | 10:27:35 | 0.067                     |
| 9240       | 09/25/2008 | 10:27:36 | 0.070                     |
| 9241       | 09/25/2008 | 10:27:37 | 0.066                     |
| 9242       | 09/25/2008 | 10:27:38 | 0.109                     |
| 9243       | 09/25/2008 | 10:27:39 | 0.076                     |
| 9244       | 09/25/2008 | 10:27:40 | 0.082                     |
| 9245       | 09/25/2008 | 10:27:41 | 0.069                     |
| 9246       | 09/25/2008 | 10:27:42 | 0.074                     |
| 9247       | 09/25/2008 | 10:27:43 | 0.066                     |
| 9248       | 09/25/2008 | 10:27:44 | 0.065                     |
| 9249       | 09/25/2008 | 10:27:45 | 0.058                     |
| 9250       | 09/25/2008 | 10:27:46 | 0.059                     |
| 9251       | 09/25/2008 | 10:27:47 | 0.061                     |
| 9252       | 09/25/2008 | 10:27:48 | 0.068                     |
| 9253       | 09/25/2008 | 10:27:49 | 0.066                     |
| 9254       | 09/25/2008 | 10:27:50 | 0.064                     |
| 9255       | 09/25/2008 | 10:27:51 | 0.067                     |
| 9256       | 09/25/2008 | 10:27:52 | 0.062                     |
| 9257       | 09/25/2008 | 10:27:53 | 0.078                     |
| 9258       | 09/25/2008 | 10:27:54 | 0.060                     |
| 9259       | 09/25/2008 | 10:27:55 | 0.062                     |
| 9260       | 09/25/2008 | 10:27:56 | 0.073                     |
| 9261       | 09/25/2008 | 10:27:57 | 0.067                     |
| 9262       | 09/25/2008 | 10:27:58 | 0.061                     |
| 9263       | 09/25/2008 | 10:27:59 | 0.066                     |
| 9264       | 09/25/2008 | 10:28:00 | 0.060                     |
| 9265       | 09/25/2008 | 10:28:01 | 0.063                     |
| 9266       | 09/25/2008 | 10:28:02 | 0.067                     |
| 9267       | 09/25/2008 | 10:28:03 | 0.080                     |
| 9268       | 09/25/2008 | 10:28:04 | 0.057                     |
| 9269       | 09/25/2008 | 10:28:05 | 0.062                     |
| 9270       | 09/25/2008 | 10:28:06 | 0.064                     |
| 9271       | 09/25/2008 | 10:28:07 | 0.057                     |
| 9272       | 09/25/2008 | 10:28:08 | 0.076                     |
| 9273       | 09/25/2008 | 10:28:09 | 0.130                     |
| 9274       | 09/25/2008 | 10:28:10 | 0.132                     |
| 9275       | 09/25/2008 | 10:28:11 | 0.171                     |
| 9276       | 09/25/2008 | 10:28:12 | 0.155                     |
| 9277       | 09/25/2008 | 10:28:13 | 0.078                     |
| 9278       | 09/25/2008 | 10:28:14 | 0.089                     |
| 9279       | 09/25/2008 | 10:28:15 | 0.084                     |
| 9280       | 09/25/2008 | 10:28:16 | 0.094                     |
| 9281       | 09/25/2008 | 10:28:17 | 0.068                     |
| 9282       | 09/25/2008 | 10:28:18 | 0.134                     |
| 9283       | 09/25/2008 | 10:28:19 | 0.077                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 9284       | 09/25/2008 | 10:28:20 | 0.069                     |
| 9285       | 09/25/2008 | 10:28:21 | 0.068                     |
| 9286       | 09/25/2008 | 10:28:22 | 0.090                     |
| 9287       | 09/25/2008 | 10:28:23 | 0.061                     |
| 9288       | 09/25/2008 | 10:28:24 | 0.066                     |
| 9289       | 09/25/2008 | 10:28:25 | 0.062                     |
| 9290       | 09/25/2008 | 10:28:26 | 0.062                     |
| 9291       | 09/25/2008 | 10:28:27 | 0.062                     |
| 9292       | 09/25/2008 | 10:28:28 | 0.064                     |
| 9293       | 09/25/2008 | 10:28:29 | 0.065                     |
| 9294       | 09/25/2008 | 10:28:30 | 0.077                     |
| 9295       | 09/25/2008 | 10:28:31 | 0.064                     |
| 9296       | 09/25/2008 | 10:28:32 | 0.061                     |
| 9297       | 09/25/2008 | 10:28:33 | 0.060                     |
| 9298       | 09/25/2008 | 10:28:34 | 0.064                     |
| 9299       | 09/25/2008 | 10:28:35 | 0.060                     |
| 9300       | 09/25/2008 | 10:28:36 | 0.086                     |
| 9301       | 09/25/2008 | 10:28:37 | 0.059                     |
| 9302       | 09/25/2008 | 10:28:38 | 0.072                     |
| 9303       | 09/25/2008 | 10:28:39 | 0.103                     |
| 9304       | 09/25/2008 | 10:28:40 | 0.063                     |
| 9305       | 09/25/2008 | 10:28:41 | 0.067                     |
| 9306       | 09/25/2008 | 10:28:42 | 0.068                     |
| 9307       | 09/25/2008 | 10:28:43 | 0.061                     |
| 9308       | 09/25/2008 | 10:28:44 | 0.058                     |
| 9309       | 09/25/2008 | 10:28:45 | 0.058                     |
| 9310       | 09/25/2008 | 10:28:46 | 0.055                     |
| 9311       | 09/25/2008 | 10:28:47 | 0.074                     |
| 9312       | 09/25/2008 | 10:28:48 | 0.059                     |
| 9313       | 09/25/2008 | 10:28:49 | 0.067                     |
| 9314       | 09/25/2008 | 10:28:50 | 0.055                     |
| 9315       | 09/25/2008 | 10:28:51 | 0.061                     |
| 9316       | 09/25/2008 | 10:28:52 | 0.059                     |
| 9317       | 09/25/2008 | 10:28:53 | 0.059                     |
| 9318       | 09/25/2008 | 10:28:54 | 0.058                     |
| 9319       | 09/25/2008 | 10:28:55 | 0.056                     |
| 9320       | 09/25/2008 | 10:28:56 | 0.060                     |
| 9321       | 09/25/2008 | 10:28:57 | 0.059                     |
| 9322       | 09/25/2008 | 10:28:58 | 0.082                     |
| 9323       | 09/25/2008 | 10:28:59 | 0.077                     |
| 9324       | 09/25/2008 | 10:29:00 | 0.070                     |
| 9325       | 09/25/2008 | 10:29:01 | 0.068                     |
| 9326       | 09/25/2008 | 10:29:02 | 0.077                     |
| 9327       | 09/25/2008 | 10:29:03 | 0.064                     |
| 9328       | 09/25/2008 | 10:29:04 | 0.061                     |
| 9329       | 09/25/2008 | 10:29:05 | 0.059                     |
| 9330       | 09/25/2008 | 10:29:06 | 0.082                     |
| 9331       | 09/25/2008 | 10:29:07 | 0.060                     |
| 9332       | 09/25/2008 | 10:29:08 | 0.078                     |
| 9333       | 09/25/2008 | 10:29:09 | 0.059                     |
| 9334       | 09/25/2008 | 10:29:10 | 0.060                     |
| 9335       | 09/25/2008 | 10:29:11 | 0.061                     |
| 9336       | 09/25/2008 | 10:29:12 | 0.063                     |
| 9337       | 09/25/2008 | 10:29:13 | 0.060                     |
| 9338       | 09/25/2008 | 10:29:14 | 0.067                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 9339       | 09/25/2008 | 10:29:15 | 0.060                     |
| 9340       | 09/25/2008 | 10:29:16 | 0.072                     |
| 9341       | 09/25/2008 | 10:29:17 | 0.066                     |
| 9342       | 09/25/2008 | 10:29:18 | 0.066                     |
| 9343       | 09/25/2008 | 10:29:19 | 0.060                     |
| 9344       | 09/25/2008 | 10:29:20 | 0.079                     |
| 9345       | 09/25/2008 | 10:29:21 | 0.062                     |
| 9346       | 09/25/2008 | 10:29:22 | 0.062                     |
| 9347       | 09/25/2008 | 10:29:23 | 0.062                     |
| 9348       | 09/25/2008 | 10:29:24 | 0.074                     |
| 9349       | 09/25/2008 | 10:29:25 | 0.098                     |
| 9350       | 09/25/2008 | 10:29:26 | 0.150                     |
| 9351       | 09/25/2008 | 10:29:27 | 0.717                     |
| 9352       | 09/25/2008 | 10:29:28 | 0.366                     |
| 9353       | 09/25/2008 | 10:29:29 | 0.219                     |
| 9354       | 09/25/2008 | 10:29:30 | 0.115                     |
| 9355       | 09/25/2008 | 10:29:31 | 0.095                     |
| 9356       | 09/25/2008 | 10:29:32 | 0.171                     |
| 9357       | 09/25/2008 | 10:29:33 | 0.154                     |
| 9358       | 09/25/2008 | 10:29:34 | 0.205                     |
| 9359       | 09/25/2008 | 10:29:35 | 0.391                     |
| 9360       | 09/25/2008 | 10:29:36 | 0.626                     |
| 9361       | 09/25/2008 | 10:29:37 | 0.150                     |
| 9362       | 09/25/2008 | 10:29:38 | 0.106                     |
| 9363       | 09/25/2008 | 10:29:39 | 0.116                     |
| 9364       | 09/25/2008 | 10:29:40 | 0.083                     |
| 9365       | 09/25/2008 | 10:29:41 | 0.081                     |
| 9366       | 09/25/2008 | 10:29:42 | 0.093                     |
| 9367       | 09/25/2008 | 10:29:43 | 0.085                     |
| 9368       | 09/25/2008 | 10:29:44 | 0.079                     |
| 9369       | 09/25/2008 | 10:29:45 | 0.079                     |
| 9370       | 09/25/2008 | 10:29:46 | 0.107                     |
| 9371       | 09/25/2008 | 10:29:47 | 0.081                     |
| 9372       | 09/25/2008 | 10:29:48 | 0.074                     |
| 9373       | 09/25/2008 | 10:29:49 | 0.076                     |
| 9374       | 09/25/2008 | 10:29:50 | 0.074                     |
| 9375       | 09/25/2008 | 10:29:51 | 0.141                     |
| 9376       | 09/25/2008 | 10:29:52 | 0.291                     |
| 9377       | 09/25/2008 | 10:29:53 | 0.132                     |
| 9378       | 09/25/2008 | 10:29:54 | 0.076                     |
| 9379       | 09/25/2008 | 10:29:55 | 0.068                     |
| 9380       | 09/25/2008 | 10:29:56 | 0.068                     |
| 9381       | 09/25/2008 | 10:29:57 | 0.074                     |
| 9382       | 09/25/2008 | 10:29:58 | 0.065                     |
| 9383       | 09/25/2008 | 10:29:59 | 0.061                     |
| 9384       | 09/25/2008 | 10:30:00 | 0.081                     |
| 9385       | 09/25/2008 | 10:30:01 | 0.086                     |
| 9386       | 09/25/2008 | 10:30:02 | 0.161                     |
| 9387       | 09/25/2008 | 10:30:03 | 0.093                     |
| 9388       | 09/25/2008 | 10:30:04 | 0.075                     |
| 9389       | 09/25/2008 | 10:30:05 | 0.070                     |
| 9390       | 09/25/2008 | 10:30:06 | 0.080                     |
| 9391       | 09/25/2008 | 10:30:07 | 0.070                     |
| 9392       | 09/25/2008 | 10:30:08 | 0.073                     |
| 9393       | 09/25/2008 | 10:30:09 | 0.079                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 9394       | 09/25/2008 | 10:30:10 | 0.078                     |
| 9395       | 09/25/2008 | 10:30:11 | 0.089                     |
| 9396       | 09/25/2008 | 10:30:12 | 0.064                     |
| 9397       | 09/25/2008 | 10:30:13 | 0.070                     |
| 9398       | 09/25/2008 | 10:30:14 | 0.064                     |
| 9399       | 09/25/2008 | 10:30:15 | 0.073                     |
| 9400       | 09/25/2008 | 10:30:16 | 0.154                     |
| 9401       | 09/25/2008 | 10:30:17 | 0.067                     |
| 9402       | 09/25/2008 | 10:30:18 | 0.082                     |
| 9403       | 09/25/2008 | 10:30:19 | 0.074                     |
| 9404       | 09/25/2008 | 10:30:20 | 0.057                     |
| 9405       | 09/25/2008 | 10:30:21 | 0.060                     |
| 9406       | 09/25/2008 | 10:30:22 | 0.064                     |
| 9407       | 09/25/2008 | 10:30:23 | 0.056                     |
| 9408       | 09/25/2008 | 10:30:24 | 0.058                     |
| 9409       | 09/25/2008 | 10:30:25 | 0.070                     |
| 9410       | 09/25/2008 | 10:30:26 | 0.073                     |
| 9411       | 09/25/2008 | 10:30:27 | 0.063                     |
| 9412       | 09/25/2008 | 10:30:28 | 0.058                     |
| 9413       | 09/25/2008 | 10:30:29 | 0.067                     |
| 9414       | 09/25/2008 | 10:30:30 | 0.074                     |
| 9415       | 09/25/2008 | 10:30:31 | 0.232                     |
| 9416       | 09/25/2008 | 10:30:32 | 0.317                     |
| 9417       | 09/25/2008 | 10:30:33 | 0.126                     |
| 9418       | 09/25/2008 | 10:30:34 | 0.074                     |
| 9419       | 09/25/2008 | 10:30:35 | 0.076                     |
| 9420       | 09/25/2008 | 10:30:36 | 0.067                     |
| 9421       | 09/25/2008 | 10:30:37 | 0.067                     |
| 9422       | 09/25/2008 | 10:30:38 | 0.068                     |
| 9423       | 09/25/2008 | 10:30:39 | 0.067                     |
| 9424       | 09/25/2008 | 10:30:40 | 0.071                     |
| 9425       | 09/25/2008 | 10:30:41 | 0.067                     |
| 9426       | 09/25/2008 | 10:30:42 | 0.060                     |
| 9427       | 09/25/2008 | 10:30:43 | 0.068                     |
| 9428       | 09/25/2008 | 10:30:44 | 0.073                     |
| 9429       | 09/25/2008 | 10:30:45 | 0.060                     |
| 9430       | 09/25/2008 | 10:30:46 | 0.059                     |
| 9431       | 09/25/2008 | 10:30:47 | 0.065                     |
| 9432       | 09/25/2008 | 10:30:48 | 0.098                     |
| 9433       | 09/25/2008 | 10:30:49 | 0.069                     |
| 9434       | 09/25/2008 | 10:30:50 | 0.061                     |
| 9435       | 09/25/2008 | 10:30:51 | 0.057                     |
| 9436       | 09/25/2008 | 10:30:52 | 0.058                     |
| 9437       | 09/25/2008 | 10:30:53 | 0.062                     |
| 9438       | 09/25/2008 | 10:30:54 | 0.056                     |
| 9439       | 09/25/2008 | 10:30:55 | 0.081                     |
| 9440       | 09/25/2008 | 10:30:56 | 0.062                     |
| 9441       | 09/25/2008 | 10:30:57 | 0.077                     |
| 9442       | 09/25/2008 | 10:30:58 | 0.067                     |
| 9443       | 09/25/2008 | 10:30:59 | 0.058                     |
| 9444       | 09/25/2008 | 10:31:00 | 0.066                     |
| 9445       | 09/25/2008 | 10:31:01 | 0.060                     |
| 9446       | 09/25/2008 | 10:31:02 | 0.066                     |
| 9447       | 09/25/2008 | 10:31:03 | 0.063                     |
| 9448       | 09/25/2008 | 10:31:04 | 0.092                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 9449       | 09/25/2008 | 10:31:05 | 0.065                     |
| 9450       | 09/25/2008 | 10:31:06 | 0.059                     |
| 9451       | 09/25/2008 | 10:31:07 | 0.056                     |
| 9452       | 09/25/2008 | 10:31:08 | 0.079                     |
| 9453       | 09/25/2008 | 10:31:09 | 0.112                     |
| 9454       | 09/25/2008 | 10:31:10 | 0.054                     |
| 9455       | 09/25/2008 | 10:31:11 | 0.056                     |
| 9456       | 09/25/2008 | 10:31:12 | 0.057                     |
| 9457       | 09/25/2008 | 10:31:13 | 0.054                     |
| 9458       | 09/25/2008 | 10:31:14 | 0.055                     |
| 9459       | 09/25/2008 | 10:31:15 | 0.063                     |
| 9460       | 09/25/2008 | 10:31:16 | 0.057                     |
| 9461       | 09/25/2008 | 10:31:17 | 0.072                     |
| 9462       | 09/25/2008 | 10:31:18 | 0.058                     |
| 9463       | 09/25/2008 | 10:31:19 | 0.055                     |
| 9464       | 09/25/2008 | 10:31:20 | 0.060                     |
| 9465       | 09/25/2008 | 10:31:21 | 0.055                     |
| 9466       | 09/25/2008 | 10:31:22 | 0.060                     |
| 9467       | 09/25/2008 | 10:31:23 | 0.053                     |
| 9468       | 09/25/2008 | 10:31:24 | 0.068                     |
| 9469       | 09/25/2008 | 10:31:25 | 0.057                     |
| 9470       | 09/25/2008 | 10:31:26 | 0.056                     |
| 9471       | 09/25/2008 | 10:31:27 | 0.060                     |
| 9472       | 09/25/2008 | 10:31:28 | 0.057                     |
| 9473       | 09/25/2008 | 10:31:29 | 0.056                     |
| 9474       | 09/25/2008 | 10:31:30 | 0.112                     |
| 9475       | 09/25/2008 | 10:31:31 | 0.057                     |
| 9476       | 09/25/2008 | 10:31:32 | 0.058                     |
| 9477       | 09/25/2008 | 10:31:33 | 0.057                     |
| 9478       | 09/25/2008 | 10:31:34 | 0.060                     |
| 9479       | 09/25/2008 | 10:31:35 | 0.061                     |
| 9480       | 09/25/2008 | 10:31:36 | 0.065                     |
| 9481       | 09/25/2008 | 10:31:37 | 0.057                     |
| 9482       | 09/25/2008 | 10:31:38 | 0.057                     |
| 9483       | 09/25/2008 | 10:31:39 | 0.059                     |
| 9484       | 09/25/2008 | 10:31:40 | 0.060                     |
| 9485       | 09/25/2008 | 10:31:41 | 0.059                     |
| 9486       | 09/25/2008 | 10:31:42 | 0.062                     |
| 9487       | 09/25/2008 | 10:31:43 | 0.062                     |
| 9488       | 09/25/2008 | 10:31:44 | 0.060                     |
| 9489       | 09/25/2008 | 10:31:45 | 0.052                     |
| 9490       | 09/25/2008 | 10:31:46 | 0.060                     |
| 9491       | 09/25/2008 | 10:31:47 | 0.061                     |
| 9492       | 09/25/2008 | 10:31:48 | 0.060                     |
| 9493       | 09/25/2008 | 10:31:49 | 0.115                     |
| 9494       | 09/25/2008 | 10:31:50 | 0.054                     |
| 9495       | 09/25/2008 | 10:31:51 | 0.060                     |
| 9496       | 09/25/2008 | 10:31:52 | 0.060                     |
| 9497       | 09/25/2008 | 10:31:53 | 0.059                     |
| 9498       | 09/25/2008 | 10:31:54 | 0.068                     |
| 9499       | 09/25/2008 | 10:31:55 | 0.060                     |
| 9500       | 09/25/2008 | 10:31:56 | 0.061                     |
| 9501       | 09/25/2008 | 10:31:57 | 0.063                     |
| 9502       | 09/25/2008 | 10:31:58 | 0.059                     |
| 9503       | 09/25/2008 | 10:31:59 | 0.059                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 9504       | 09/25/2008 | 10:32:00 | 0.081                     |
| 9505       | 09/25/2008 | 10:32:01 | 0.064                     |
| 9506       | 09/25/2008 | 10:32:02 | 0.058                     |
| 9507       | 09/25/2008 | 10:32:03 | 0.069                     |
| 9508       | 09/25/2008 | 10:32:04 | 0.061                     |
| 9509       | 09/25/2008 | 10:32:05 | 0.063                     |
| 9510       | 09/25/2008 | 10:32:06 | 0.058                     |
| 9511       | 09/25/2008 | 10:32:07 | 0.058                     |
| 9512       | 09/25/2008 | 10:32:08 | 0.057                     |
| 9513       | 09/25/2008 | 10:32:09 | 0.057                     |
| 9514       | 09/25/2008 | 10:32:10 | 0.060                     |
| 9515       | 09/25/2008 | 10:32:11 | 0.063                     |
| 9516       | 09/25/2008 | 10:32:12 | 0.064                     |
| 9517       | 09/25/2008 | 10:32:13 | 0.058                     |
| 9518       | 09/25/2008 | 10:32:14 | 0.058                     |
| 9519       | 09/25/2008 | 10:32:15 | 0.061                     |
| 9520       | 09/25/2008 | 10:32:16 | 0.062                     |
| 9521       | 09/25/2008 | 10:32:17 | 0.064                     |
| 9522       | 09/25/2008 | 10:32:18 | 0.061                     |
| 9523       | 09/25/2008 | 10:32:19 | 0.059                     |
| 9524       | 09/25/2008 | 10:32:20 | 0.058                     |
| 9525       | 09/25/2008 | 10:32:21 | 0.065                     |
| 9526       | 09/25/2008 | 10:32:22 | 0.056                     |
| 9527       | 09/25/2008 | 10:32:23 | 0.057                     |
| 9528       | 09/25/2008 | 10:32:24 | 0.057                     |
| 9529       | 09/25/2008 | 10:32:25 | 0.056                     |
| 9530       | 09/25/2008 | 10:32:26 | 0.061                     |
| 9531       | 09/25/2008 | 10:32:27 | 0.057                     |
| 9532       | 09/25/2008 | 10:32:28 | 0.056                     |
| 9533       | 09/25/2008 | 10:32:29 | 0.054                     |
| 9534       | 09/25/2008 | 10:32:30 | 0.058                     |
| 9535       | 09/25/2008 | 10:32:31 | 0.069                     |
| 9536       | 09/25/2008 | 10:32:32 | 0.059                     |
| 9537       | 09/25/2008 | 10:32:33 | 0.073                     |
| 9538       | 09/25/2008 | 10:32:34 | 0.054                     |
| 9539       | 09/25/2008 | 10:32:35 | 0.071                     |
| 9540       | 09/25/2008 | 10:32:36 | 0.060                     |
| 9541       | 09/25/2008 | 10:32:37 | 0.065                     |
| 9542       | 09/25/2008 | 10:32:38 | 0.065                     |
| 9543       | 09/25/2008 | 10:32:39 | 0.057                     |
| 9544       | 09/25/2008 | 10:32:40 | 0.064                     |
| 9545       | 09/25/2008 | 10:32:41 | 0.057                     |
| 9546       | 09/25/2008 | 10:32:42 | 0.067                     |
| 9547       | 09/25/2008 | 10:32:43 | 0.061                     |
| 9548       | 09/25/2008 | 10:32:44 | 0.059                     |
| 9549       | 09/25/2008 | 10:32:45 | 0.064                     |
| 9550       | 09/25/2008 | 10:32:46 | 0.056                     |
| 9551       | 09/25/2008 | 10:32:47 | 0.063                     |
| 9552       | 09/25/2008 | 10:32:48 | 0.057                     |
| 9553       | 09/25/2008 | 10:32:49 | 0.058                     |
| 9554       | 09/25/2008 | 10:32:50 | 0.052                     |
| 9555       | 09/25/2008 | 10:32:51 | 0.080                     |
| 9556       | 09/25/2008 | 10:32:52 | 0.084                     |
| 9557       | 09/25/2008 | 10:32:53 | 0.141                     |
| 9558       | 09/25/2008 | 10:32:54 | 0.092                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 9559       | 09/25/2008 | 10:32:55 | 0.094                     |
| 9560       | 09/25/2008 | 10:32:56 | 0.062                     |
| 9561       | 09/25/2008 | 10:32:57 | 0.069                     |
| 9562       | 09/25/2008 | 10:32:58 | 0.370                     |
| 9563       | 09/25/2008 | 10:32:59 | 0.675                     |
| 9564       | 09/25/2008 | 10:33:00 | 0.478                     |
| 9565       | 09/25/2008 | 10:33:01 | 0.466                     |
| 9566       | 09/25/2008 | 10:33:02 | 0.299                     |
| 9567       | 09/25/2008 | 10:33:03 | 0.129                     |
| 9568       | 09/25/2008 | 10:33:04 | 0.161                     |
| 9569       | 09/25/2008 | 10:33:05 | 0.110                     |
| 9570       | 09/25/2008 | 10:33:06 | 0.091                     |
| 9571       | 09/25/2008 | 10:33:07 | 0.074                     |
| 9572       | 09/25/2008 | 10:33:08 | 0.081                     |
| 9573       | 09/25/2008 | 10:33:09 | 0.072                     |
| 9574       | 09/25/2008 | 10:33:10 | 0.067                     |
| 9575       | 09/25/2008 | 10:33:11 | 0.073                     |
| 9576       | 09/25/2008 | 10:33:12 | 0.072                     |
| 9577       | 09/25/2008 | 10:33:13 | 0.063                     |
| 9578       | 09/25/2008 | 10:33:14 | 0.065                     |
| 9579       | 09/25/2008 | 10:33:15 | 0.066                     |
| 9580       | 09/25/2008 | 10:33:16 | 0.067                     |
| 9581       | 09/25/2008 | 10:33:17 | 0.069                     |
| 9582       | 09/25/2008 | 10:33:18 | 0.063                     |
| 9583       | 09/25/2008 | 10:33:19 | 0.061                     |
| 9584       | 09/25/2008 | 10:33:20 | 0.079                     |
| 9585       | 09/25/2008 | 10:33:21 | 0.059                     |
| 9586       | 09/25/2008 | 10:33:22 | 0.059                     |
| 9587       | 09/25/2008 | 10:33:23 | 0.063                     |
| 9588       | 09/25/2008 | 10:33:24 | 0.062                     |
| 9589       | 09/25/2008 | 10:33:25 | 0.068                     |
| 9590       | 09/25/2008 | 10:33:26 | 0.067                     |
| 9591       | 09/25/2008 | 10:33:27 | 0.059                     |
| 9592       | 09/25/2008 | 10:33:28 | 0.058                     |
| 9593       | 09/25/2008 | 10:33:29 | 0.065                     |
| 9594       | 09/25/2008 | 10:33:30 | 0.064                     |
| 9595       | 09/25/2008 | 10:33:31 | 0.058                     |
| 9596       | 09/25/2008 | 10:33:32 | 0.070                     |
| 9597       | 09/25/2008 | 10:33:33 | 0.060                     |
| 9598       | 09/25/2008 | 10:33:34 | 0.060                     |
| 9599       | 09/25/2008 | 10:33:35 | 0.056                     |
| 9600       | 09/25/2008 | 10:33:36 | 0.073                     |
| 9601       | 09/25/2008 | 10:33:37 | 0.059                     |
| 9602       | 09/25/2008 | 10:33:38 | 0.058                     |
| 9603       | 09/25/2008 | 10:33:39 | 0.070                     |
| 9604       | 09/25/2008 | 10:33:40 | 0.059                     |
| 9605       | 09/25/2008 | 10:33:41 | 0.056                     |
| 9606       | 09/25/2008 | 10:33:42 | 0.060                     |
| 9607       | 09/25/2008 | 10:33:43 | 0.071                     |
| 9608       | 09/25/2008 | 10:33:44 | 0.066                     |
| 9609       | 09/25/2008 | 10:33:45 | 0.077                     |
| 9610       | 09/25/2008 | 10:33:46 | 0.057                     |
| 9611       | 09/25/2008 | 10:33:47 | 0.057                     |
| 9612       | 09/25/2008 | 10:33:48 | 0.082                     |
| 9613       | 09/25/2008 | 10:33:49 | 0.056                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 9614       | 09/25/2008 | 10:33:50 | 0.060                     |
| 9615       | 09/25/2008 | 10:33:51 | 0.059                     |
| 9616       | 09/25/2008 | 10:33:52 | 0.056                     |
| 9617       | 09/25/2008 | 10:33:53 | 0.055                     |
| 9618       | 09/25/2008 | 10:33:54 | 0.058                     |
| 9619       | 09/25/2008 | 10:33:55 | 0.060                     |
| 9620       | 09/25/2008 | 10:33:56 | 0.069                     |
| 9621       | 09/25/2008 | 10:33:57 | 0.062                     |
| 9622       | 09/25/2008 | 10:33:58 | 0.056                     |
| 9623       | 09/25/2008 | 10:33:59 | 0.065                     |
| 9624       | 09/25/2008 | 10:34:00 | 0.095                     |
| 9625       | 09/25/2008 | 10:34:01 | 0.092                     |
| 9626       | 09/25/2008 | 10:34:02 | 0.062                     |
| 9627       | 09/25/2008 | 10:34:03 | 0.065                     |
| 9628       | 09/25/2008 | 10:34:04 | 0.065                     |
| 9629       | 09/25/2008 | 10:34:05 | 0.061                     |
| 9630       | 09/25/2008 | 10:34:06 | 0.080                     |
| 9631       | 09/25/2008 | 10:34:07 | 0.060                     |
| 9632       | 09/25/2008 | 10:34:08 | 0.059                     |
| 9633       | 09/25/2008 | 10:34:09 | 0.055                     |
| 9634       | 09/25/2008 | 10:34:10 | 0.057                     |
| 9635       | 09/25/2008 | 10:34:11 | 0.076                     |
| 9636       | 09/25/2008 | 10:34:12 | 0.055                     |
| 9637       | 09/25/2008 | 10:34:13 | 0.060                     |
| 9638       | 09/25/2008 | 10:34:14 | 0.076                     |
| 9639       | 09/25/2008 | 10:34:15 | 0.061                     |
| 9640       | 09/25/2008 | 10:34:16 | 0.064                     |
| 9641       | 09/25/2008 | 10:34:17 | 0.053                     |
| 9642       | 09/25/2008 | 10:34:18 | 0.059                     |
| 9643       | 09/25/2008 | 10:34:19 | 0.059                     |
| 9644       | 09/25/2008 | 10:34:20 | 0.064                     |
| 9645       | 09/25/2008 | 10:34:21 | 0.058                     |
| 9646       | 09/25/2008 | 10:34:22 | 0.056                     |
| 9647       | 09/25/2008 | 10:34:23 | 0.057                     |
| 9648       | 09/25/2008 | 10:34:24 | 0.053                     |
| 9649       | 09/25/2008 | 10:34:25 | 0.064                     |
| 9650       | 09/25/2008 | 10:34:26 | 0.055                     |
| 9651       | 09/25/2008 | 10:34:27 | 0.059                     |
| 9652       | 09/25/2008 | 10:34:28 | 0.060                     |
| 9653       | 09/25/2008 | 10:34:29 | 0.087                     |
| 9654       | 09/25/2008 | 10:34:30 | 0.062                     |
| 9655       | 09/25/2008 | 10:34:31 | 0.059                     |
| 9656       | 09/25/2008 | 10:34:32 | 0.058                     |
| 9657       | 09/25/2008 | 10:34:33 | 0.060                     |
| 9658       | 09/25/2008 | 10:34:34 | 0.060                     |
| 9659       | 09/25/2008 | 10:34:35 | 0.066                     |
| 9660       | 09/25/2008 | 10:34:36 | 0.058                     |
| 9661       | 09/25/2008 | 10:34:37 | 0.060                     |
| 9662       | 09/25/2008 | 10:34:38 | 0.052                     |
| 9663       | 09/25/2008 | 10:34:39 | 0.057                     |
| 9664       | 09/25/2008 | 10:34:40 | 0.056                     |
| 9665       | 09/25/2008 | 10:34:41 | 0.072                     |
| 9666       | 09/25/2008 | 10:34:42 | 0.060                     |
| 9667       | 09/25/2008 | 10:34:43 | 0.057                     |
| 9668       | 09/25/2008 | 10:34:44 | 0.058                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 9669       | 09/25/2008 | 10:34:45 | 0.059                     |
| 9670       | 09/25/2008 | 10:34:46 | 0.058                     |
| 9671       | 09/25/2008 | 10:34:47 | 0.066                     |
| 9672       | 09/25/2008 | 10:34:48 | 0.053                     |
| 9673       | 09/25/2008 | 10:34:49 | 0.055                     |
| 9674       | 09/25/2008 | 10:34:50 | 0.058                     |
| 9675       | 09/25/2008 | 10:34:51 | 0.061                     |
| 9676       | 09/25/2008 | 10:34:52 | 0.056                     |
| 9677       | 09/25/2008 | 10:34:53 | 0.059                     |
| 9678       | 09/25/2008 | 10:34:54 | 0.053                     |
| 9679       | 09/25/2008 | 10:34:55 | 0.057                     |
| 9680       | 09/25/2008 | 10:34:56 | 0.087                     |
| 9681       | 09/25/2008 | 10:34:57 | 0.317                     |
| 9682       | 09/25/2008 | 10:34:58 | 0.761                     |
| 9683       | 09/25/2008 | 10:34:59 | 0.429                     |
| 9684       | 09/25/2008 | 10:35:00 | 0.223                     |
| 9685       | 09/25/2008 | 10:35:01 | 0.196                     |
| 9686       | 09/25/2008 | 10:35:02 | 0.235                     |
| 9687       | 09/25/2008 | 10:35:03 | 0.165                     |
| 9688       | 09/25/2008 | 10:35:04 | 0.179                     |
| 9689       | 09/25/2008 | 10:35:05 | 0.161                     |
| 9690       | 09/25/2008 | 10:35:06 | 0.139                     |
| 9691       | 09/25/2008 | 10:35:07 | 0.114                     |
| 9692       | 09/25/2008 | 10:35:08 | 0.085                     |
| 9693       | 09/25/2008 | 10:35:09 | 0.086                     |
| 9694       | 09/25/2008 | 10:35:10 | 0.070                     |
| 9695       | 09/25/2008 | 10:35:11 | 0.067                     |
| 9696       | 09/25/2008 | 10:35:12 | 0.066                     |
| 9697       | 09/25/2008 | 10:35:13 | 0.081                     |
| 9698       | 09/25/2008 | 10:35:14 | 0.074                     |
| 9699       | 09/25/2008 | 10:35:15 | 0.067                     |
| 9700       | 09/25/2008 | 10:35:16 | 0.060                     |
| 9701       | 09/25/2008 | 10:35:17 | 0.068                     |
| 9702       | 09/25/2008 | 10:35:18 | 0.088                     |
| 9703       | 09/25/2008 | 10:35:19 | 0.070                     |
| 9704       | 09/25/2008 | 10:35:20 | 0.055                     |
| 9705       | 09/25/2008 | 10:35:21 | 0.064                     |
| 9706       | 09/25/2008 | 10:35:22 | 0.061                     |
| 9707       | 09/25/2008 | 10:35:23 | 0.059                     |
| 9708       | 09/25/2008 | 10:35:24 | 0.057                     |
| 9709       | 09/25/2008 | 10:35:25 | 0.056                     |
| 9710       | 09/25/2008 | 10:35:26 | 0.054                     |
| 9711       | 09/25/2008 | 10:35:27 | 0.054                     |
| 9712       | 09/25/2008 | 10:35:28 | 0.065                     |
| 9713       | 09/25/2008 | 10:35:29 | 0.058                     |
| 9714       | 09/25/2008 | 10:35:30 | 0.055                     |
| 9715       | 09/25/2008 | 10:35:31 | 0.054                     |
| 9716       | 09/25/2008 | 10:35:32 | 0.061                     |
| 9717       | 09/25/2008 | 10:35:33 | 0.058                     |
| 9718       | 09/25/2008 | 10:35:34 | 0.060                     |
| 9719       | 09/25/2008 | 10:35:35 | 0.054                     |
| 9720       | 09/25/2008 | 10:35:36 | 0.055                     |
| 9721       | 09/25/2008 | 10:35:37 | 0.062                     |
| 9722       | 09/25/2008 | 10:35:38 | 0.076                     |
| 9723       | 09/25/2008 | 10:35:39 | 0.079                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 9724       | 09/25/2008 | 10:35:40 | 0.079                     |
| 9725       | 09/25/2008 | 10:35:41 | 0.091                     |
| 9726       | 09/25/2008 | 10:35:42 | 0.141                     |
| 9727       | 09/25/2008 | 10:35:43 | 0.133                     |
| 9728       | 09/25/2008 | 10:35:44 | 0.133                     |
| 9729       | 09/25/2008 | 10:35:45 | 0.109                     |
| 9730       | 09/25/2008 | 10:35:46 | 0.097                     |
| 9731       | 09/25/2008 | 10:35:47 | 0.095                     |
| 9732       | 09/25/2008 | 10:35:48 | 0.110                     |
| 9733       | 09/25/2008 | 10:35:49 | 0.077                     |
| 9734       | 09/25/2008 | 10:35:50 | 0.085                     |
| 9735       | 09/25/2008 | 10:35:51 | 0.138                     |
| 9736       | 09/25/2008 | 10:35:52 | 0.085                     |
| 9737       | 09/25/2008 | 10:35:53 | 0.076                     |
| 9738       | 09/25/2008 | 10:35:54 | 0.088                     |
| 9739       | 09/25/2008 | 10:35:55 | 0.065                     |
| 9740       | 09/25/2008 | 10:35:56 | 0.061                     |
| 9741       | 09/25/2008 | 10:35:57 | 0.070                     |
| 9742       | 09/25/2008 | 10:35:58 | 0.066                     |
| 9743       | 09/25/2008 | 10:35:59 | 0.061                     |
| 9744       | 09/25/2008 | 10:36:00 | 0.061                     |
| 9745       | 09/25/2008 | 10:36:01 | 0.066                     |
| 9746       | 09/25/2008 | 10:36:02 | 0.059                     |
| 9747       | 09/25/2008 | 10:36:03 | 0.066                     |
| 9748       | 09/25/2008 | 10:36:04 | 0.057                     |
| 9749       | 09/25/2008 | 10:36:05 | 0.062                     |
| 9750       | 09/25/2008 | 10:36:06 | 0.079                     |
| 9751       | 09/25/2008 | 10:36:07 | 0.056                     |
| 9752       | 09/25/2008 | 10:36:08 | 0.058                     |
| 9753       | 09/25/2008 | 10:36:09 | 0.062                     |
| 9754       | 09/25/2008 | 10:36:10 | 0.057                     |
| 9755       | 09/25/2008 | 10:36:11 | 0.057                     |
| 9756       | 09/25/2008 | 10:36:12 | 0.059                     |
| 9757       | 09/25/2008 | 10:36:13 | 0.076                     |
| 9758       | 09/25/2008 | 10:36:14 | 0.056                     |
| 9759       | 09/25/2008 | 10:36:15 | 0.064                     |
| 9760       | 09/25/2008 | 10:36:16 | 0.072                     |
| 9761       | 09/25/2008 | 10:36:17 | 0.068                     |
| 9762       | 09/25/2008 | 10:36:18 | 0.055                     |
| 9763       | 09/25/2008 | 10:36:19 | 0.057                     |
| 9764       | 09/25/2008 | 10:36:20 | 0.057                     |
| 9765       | 09/25/2008 | 10:36:21 | 0.083                     |
| 9766       | 09/25/2008 | 10:36:22 | 0.074                     |
| 9767       | 09/25/2008 | 10:36:23 | 0.088                     |
| 9768       | 09/25/2008 | 10:36:24 | 0.055                     |
| 9769       | 09/25/2008 | 10:36:25 | 0.059                     |
| 9770       | 09/25/2008 | 10:36:26 | 0.056                     |
| 9771       | 09/25/2008 | 10:36:27 | 0.053                     |
| 9772       | 09/25/2008 | 10:36:28 | 0.052                     |
| 9773       | 09/25/2008 | 10:36:29 | 0.065                     |
| 9774       | 09/25/2008 | 10:36:30 | 0.058                     |
| 9775       | 09/25/2008 | 10:36:31 | 0.050                     |
| 9776       | 09/25/2008 | 10:36:32 | 0.056                     |
| 9777       | 09/25/2008 | 10:36:33 | 0.060                     |
| 9778       | 09/25/2008 | 10:36:34 | 0.071                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 9779       | 09/25/2008 | 10:36:35 | 0.056                     |
| 9780       | 09/25/2008 | 10:36:36 | 0.062                     |
| 9781       | 09/25/2008 | 10:36:37 | 0.065                     |
| 9782       | 09/25/2008 | 10:36:38 | 0.055                     |
| 9783       | 09/25/2008 | 10:36:39 | 0.056                     |
| 9784       | 09/25/2008 | 10:36:40 | 0.086                     |
| 9785       | 09/25/2008 | 10:36:41 | 0.053                     |
| 9786       | 09/25/2008 | 10:36:42 | 0.065                     |
| 9787       | 09/25/2008 | 10:36:43 | 0.164                     |
| 9788       | 09/25/2008 | 10:36:44 | 0.086                     |
| 9789       | 09/25/2008 | 10:36:45 | 0.067                     |
| 9790       | 09/25/2008 | 10:36:46 | 0.063                     |
| 9791       | 09/25/2008 | 10:36:47 | 0.069                     |
| 9792       | 09/25/2008 | 10:36:48 | 0.058                     |
| 9793       | 09/25/2008 | 10:36:49 | 0.068                     |
| 9794       | 09/25/2008 | 10:36:50 | 0.058                     |
| 9795       | 09/25/2008 | 10:36:51 | 0.056                     |
| 9796       | 09/25/2008 | 10:36:52 | 0.060                     |
| 9797       | 09/25/2008 | 10:36:53 | 0.064                     |
| 9798       | 09/25/2008 | 10:36:54 | 0.059                     |
| 9799       | 09/25/2008 | 10:36:55 | 0.153                     |
| 9800       | 09/25/2008 | 10:36:56 | 0.158                     |
| 9801       | 09/25/2008 | 10:36:57 | 0.113                     |
| 9802       | 09/25/2008 | 10:36:58 | 0.071                     |
| 9803       | 09/25/2008 | 10:36:59 | 0.070                     |
| 9804       | 09/25/2008 | 10:37:00 | 0.093                     |
| 9805       | 09/25/2008 | 10:37:01 | 0.070                     |
| 9806       | 09/25/2008 | 10:37:02 | 0.091                     |
| 9807       | 09/25/2008 | 10:37:03 | 0.080                     |
| 9808       | 09/25/2008 | 10:37:04 | 0.062                     |
| 9809       | 09/25/2008 | 10:37:05 | 0.069                     |
| 9810       | 09/25/2008 | 10:37:06 | 0.065                     |
| 9811       | 09/25/2008 | 10:37:07 | 0.061                     |
| 9812       | 09/25/2008 | 10:37:08 | 0.083                     |
| 9813       | 09/25/2008 | 10:37:09 | 0.078                     |
| 9814       | 09/25/2008 | 10:37:10 | 0.063                     |
| 9815       | 09/25/2008 | 10:37:11 | 0.063                     |
| 9816       | 09/25/2008 | 10:37:12 | 0.063                     |
| 9817       | 09/25/2008 | 10:37:13 | 0.061                     |
| 9818       | 09/25/2008 | 10:37:14 | 0.066                     |
| 9819       | 09/25/2008 | 10:37:15 | 0.062                     |
| 9820       | 09/25/2008 | 10:37:16 | 0.077                     |
| 9821       | 09/25/2008 | 10:37:17 | 0.073                     |
| 9822       | 09/25/2008 | 10:37:18 | 0.056                     |
| 9823       | 09/25/2008 | 10:37:19 | 0.061                     |
| 9824       | 09/25/2008 | 10:37:20 | 0.063                     |
| 9825       | 09/25/2008 | 10:37:21 | 0.057                     |
| 9826       | 09/25/2008 | 10:37:22 | 0.062                     |
| 9827       | 09/25/2008 | 10:37:23 | 0.054                     |
| 9828       | 09/25/2008 | 10:37:24 | 0.057                     |
| 9829       | 09/25/2008 | 10:37:25 | 0.057                     |
| 9830       | 09/25/2008 | 10:37:26 | 0.056                     |
| 9831       | 09/25/2008 | 10:37:27 | 0.063                     |
| 9832       | 09/25/2008 | 10:37:28 | 0.054                     |
| 9833       | 09/25/2008 | 10:37:29 | 0.067                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 9834       | 09/25/2008 | 10:37:30 | 0.057                     |
| 9835       | 09/25/2008 | 10:37:31 | 0.057                     |
| 9836       | 09/25/2008 | 10:37:32 | 0.063                     |
| 9837       | 09/25/2008 | 10:37:33 | 0.076                     |
| 9838       | 09/25/2008 | 10:37:34 | 0.081                     |
| 9839       | 09/25/2008 | 10:37:35 | 0.064                     |
| 9840       | 09/25/2008 | 10:37:36 | 0.060                     |
| 9841       | 09/25/2008 | 10:37:37 | 0.057                     |
| 9842       | 09/25/2008 | 10:37:38 | 0.069                     |
| 9843       | 09/25/2008 | 10:37:39 | 0.056                     |
| 9844       | 09/25/2008 | 10:37:40 | 0.058                     |
| 9845       | 09/25/2008 | 10:37:41 | 0.081                     |
| 9846       | 09/25/2008 | 10:37:42 | 0.058                     |
| 9847       | 09/25/2008 | 10:37:43 | 0.055                     |
| 9848       | 09/25/2008 | 10:37:44 | 0.056                     |
| 9849       | 09/25/2008 | 10:37:45 | 0.059                     |
| 9850       | 09/25/2008 | 10:37:46 | 0.058                     |
| 9851       | 09/25/2008 | 10:37:47 | 0.060                     |
| 9852       | 09/25/2008 | 10:37:48 | 0.057                     |
| 9853       | 09/25/2008 | 10:37:49 | 0.059                     |
| 9854       | 09/25/2008 | 10:37:50 | 0.070                     |
| 9855       | 09/25/2008 | 10:37:51 | 0.060                     |
| 9856       | 09/25/2008 | 10:37:52 | 0.062                     |
| 9857       | 09/25/2008 | 10:37:53 | 0.091                     |
| 9858       | 09/25/2008 | 10:37:54 | 0.057                     |
| 9859       | 09/25/2008 | 10:37:55 | 0.055                     |
| 9860       | 09/25/2008 | 10:37:56 | 0.059                     |
| 9861       | 09/25/2008 | 10:37:57 | 0.055                     |
| 9862       | 09/25/2008 | 10:37:58 | 0.057                     |
| 9863       | 09/25/2008 | 10:37:59 | 0.055                     |
| 9864       | 09/25/2008 | 10:38:00 | 0.056                     |
| 9865       | 09/25/2008 | 10:38:01 | 0.061                     |
| 9866       | 09/25/2008 | 10:38:02 | 0.062                     |
| 9867       | 09/25/2008 | 10:38:03 | 0.056                     |
| 9868       | 09/25/2008 | 10:38:04 | 0.068                     |
| 9869       | 09/25/2008 | 10:38:05 | 0.055                     |
| 9870       | 09/25/2008 | 10:38:06 | 0.062                     |
| 9871       | 09/25/2008 | 10:38:07 | 0.052                     |
| 9872       | 09/25/2008 | 10:38:08 | 0.059                     |
| 9873       | 09/25/2008 | 10:38:09 | 0.074                     |
| 9874       | 09/25/2008 | 10:38:10 | 0.055                     |
| 9875       | 09/25/2008 | 10:38:11 | 0.102                     |
| 9876       | 09/25/2008 | 10:38:12 | 0.063                     |
| 9877       | 09/25/2008 | 10:38:13 | 0.059                     |
| 9878       | 09/25/2008 | 10:38:14 | 0.057                     |
| 9879       | 09/25/2008 | 10:38:15 | 0.057                     |
| 9880       | 09/25/2008 | 10:38:16 | 0.056                     |
| 9881       | 09/25/2008 | 10:38:17 | 0.061                     |
| 9882       | 09/25/2008 | 10:38:18 | 0.058                     |
| 9883       | 09/25/2008 | 10:38:19 | 0.054                     |
| 9884       | 09/25/2008 | 10:38:20 | 0.057                     |
| 9885       | 09/25/2008 | 10:38:21 | 0.059                     |
| 9886       | 09/25/2008 | 10:38:22 | 0.056                     |
| 9887       | 09/25/2008 | 10:38:23 | 0.054                     |
| 9888       | 09/25/2008 | 10:38:24 | 0.053                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 9889       | 09/25/2008 | 10:38:25 | 0.061                     |
| 9890       | 09/25/2008 | 10:38:26 | 0.075                     |
| 9891       | 09/25/2008 | 10:38:27 | 0.061                     |
| 9892       | 09/25/2008 | 10:38:28 | 0.062                     |
| 9893       | 09/25/2008 | 10:38:29 | 0.055                     |
| 9894       | 09/25/2008 | 10:38:30 | 0.058                     |
| 9895       | 09/25/2008 | 10:38:31 | 0.057                     |
| 9896       | 09/25/2008 | 10:38:32 | 0.075                     |
| 9897       | 09/25/2008 | 10:38:33 | 0.067                     |
| 9898       | 09/25/2008 | 10:38:34 | 0.063                     |
| 9899       | 09/25/2008 | 10:38:35 | 0.059                     |
| 9900       | 09/25/2008 | 10:38:36 | 0.068                     |
| 9901       | 09/25/2008 | 10:38:37 | 0.061                     |
| 9902       | 09/25/2008 | 10:38:38 | 0.071                     |
| 9903       | 09/25/2008 | 10:38:39 | 0.112                     |
| 9904       | 09/25/2008 | 10:38:40 | 0.060                     |
| 9905       | 09/25/2008 | 10:38:41 | 0.057                     |
| 9906       | 09/25/2008 | 10:38:42 | 0.073                     |
| 9907       | 09/25/2008 | 10:38:43 | 0.057                     |
| 9908       | 09/25/2008 | 10:38:44 | 0.058                     |
| 9909       | 09/25/2008 | 10:38:45 | 0.062                     |
| 9910       | 09/25/2008 | 10:38:46 | 0.067                     |
| 9911       | 09/25/2008 | 10:38:47 | 0.056                     |
| 9912       | 09/25/2008 | 10:38:48 | 0.070                     |
| 9913       | 09/25/2008 | 10:38:49 | 0.052                     |
| 9914       | 09/25/2008 | 10:38:50 | 0.077                     |
| 9915       | 09/25/2008 | 10:38:51 | 0.065                     |
| 9916       | 09/25/2008 | 10:38:52 | 0.061                     |
| 9917       | 09/25/2008 | 10:38:53 | 0.061                     |
| 9918       | 09/25/2008 | 10:38:54 | 0.055                     |
| 9919       | 09/25/2008 | 10:38:55 | 0.061                     |
| 9920       | 09/25/2008 | 10:38:56 | 0.097                     |
| 9921       | 09/25/2008 | 10:38:57 | 0.061                     |
| 9922       | 09/25/2008 | 10:38:58 | 0.061                     |
| 9923       | 09/25/2008 | 10:38:59 | 0.068                     |
| 9924       | 09/25/2008 | 10:39:00 | 0.060                     |
| 9925       | 09/25/2008 | 10:39:01 | 0.057                     |
| 9926       | 09/25/2008 | 10:39:02 | 0.054                     |
| 9927       | 09/25/2008 | 10:39:03 | 0.055                     |
| 9928       | 09/25/2008 | 10:39:04 | 0.052                     |
| 9929       | 09/25/2008 | 10:39:05 | 0.061                     |
| 9930       | 09/25/2008 | 10:39:06 | 0.059                     |
| 9931       | 09/25/2008 | 10:39:07 | 0.057                     |
| 9932       | 09/25/2008 | 10:39:08 | 0.056                     |
| 9933       | 09/25/2008 | 10:39:09 | 0.060                     |
| 9934       | 09/25/2008 | 10:39:10 | 0.056                     |
| 9935       | 09/25/2008 | 10:39:11 | 0.070                     |
| 9936       | 09/25/2008 | 10:39:12 | 0.059                     |
| 9937       | 09/25/2008 | 10:39:13 | 0.068                     |
| 9938       | 09/25/2008 | 10:39:14 | 0.060                     |
| 9939       | 09/25/2008 | 10:39:15 | 0.060                     |
| 9940       | 09/25/2008 | 10:39:16 | 0.060                     |
| 9941       | 09/25/2008 | 10:39:17 | 0.057                     |
| 9942       | 09/25/2008 | 10:39:18 | 0.057                     |
| 9943       | 09/25/2008 | 10:39:19 | 0.056                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 9944       | 09/25/2008 | 10:39:20 | 0.054                     |
| 9945       | 09/25/2008 | 10:39:21 | 0.051                     |
| 9946       | 09/25/2008 | 10:39:22 | 0.059                     |
| 9947       | 09/25/2008 | 10:39:23 | 0.055                     |
| 9948       | 09/25/2008 | 10:39:24 | 0.054                     |
| 9949       | 09/25/2008 | 10:39:25 | 0.096                     |
| 9950       | 09/25/2008 | 10:39:26 | 0.064                     |
| 9951       | 09/25/2008 | 10:39:27 | 0.059                     |
| 9952       | 09/25/2008 | 10:39:28 | 0.058                     |
| 9953       | 09/25/2008 | 10:39:29 | 0.059                     |
| 9954       | 09/25/2008 | 10:39:30 | 0.060                     |
| 9955       | 09/25/2008 | 10:39:31 | 0.069                     |
| 9956       | 09/25/2008 | 10:39:32 | 0.065                     |
| 9957       | 09/25/2008 | 10:39:33 | 0.062                     |
| 9958       | 09/25/2008 | 10:39:34 | 0.068                     |
| 9959       | 09/25/2008 | 10:39:35 | 0.073                     |
| 9960       | 09/25/2008 | 10:39:36 | 0.056                     |
| 9961       | 09/25/2008 | 10:39:37 | 0.066                     |
| 9962       | 09/25/2008 | 10:39:38 | 0.060                     |
| 9963       | 09/25/2008 | 10:39:39 | 0.057                     |
| 9964       | 09/25/2008 | 10:39:40 | 0.067                     |
| 9965       | 09/25/2008 | 10:39:41 | 0.056                     |
| 9966       | 09/25/2008 | 10:39:42 | 0.059                     |
| 9967       | 09/25/2008 | 10:39:43 | 0.066                     |
| 9968       | 09/25/2008 | 10:39:44 | 0.063                     |
| 9969       | 09/25/2008 | 10:39:45 | 0.075                     |
| 9970       | 09/25/2008 | 10:39:46 | 0.057                     |
| 9971       | 09/25/2008 | 10:39:47 | 0.059                     |
| 9972       | 09/25/2008 | 10:39:48 | 0.060                     |
| 9973       | 09/25/2008 | 10:39:49 | 0.058                     |
| 9974       | 09/25/2008 | 10:39:50 | 0.056                     |
| 9975       | 09/25/2008 | 10:39:51 | 0.062                     |
| 9976       | 09/25/2008 | 10:39:52 | 0.057                     |
| 9977       | 09/25/2008 | 10:39:53 | 0.054                     |
| 9978       | 09/25/2008 | 10:39:54 | 0.056                     |
| 9979       | 09/25/2008 | 10:39:55 | 0.065                     |
| 9980       | 09/25/2008 | 10:39:56 | 0.061                     |
| 9981       | 09/25/2008 | 10:39:57 | 0.065                     |
| 9982       | 09/25/2008 | 10:39:58 | 0.055                     |
| 9983       | 09/25/2008 | 10:39:59 | 0.055                     |
| 9984       | 09/25/2008 | 10:40:00 | 0.057                     |
| 9985       | 09/25/2008 | 10:40:01 | 0.059                     |
| 9986       | 09/25/2008 | 10:40:02 | 0.062                     |
| 9987       | 09/25/2008 | 10:40:03 | 0.060                     |
| 9988       | 09/25/2008 | 10:40:04 | 0.067                     |
| 9989       | 09/25/2008 | 10:40:05 | 0.057                     |
| 9990       | 09/25/2008 | 10:40:06 | 0.059                     |
| 9991       | 09/25/2008 | 10:40:07 | 0.062                     |
| 9992       | 09/25/2008 | 10:40:08 | 0.061                     |
| 9993       | 09/25/2008 | 10:40:09 | 0.054                     |
| 9994       | 09/25/2008 | 10:40:10 | 0.099                     |
| 9995       | 09/25/2008 | 10:40:11 | 0.056                     |
| 9996       | 09/25/2008 | 10:40:12 | 0.056                     |
| 9997       | 09/25/2008 | 10:40:13 | 0.066                     |
| 9998       | 09/25/2008 | 10:40:14 | 0.065                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 9999       | 09/25/2008 | 10:40:15 | 0.056                     |
| 10000      | 09/25/2008 | 10:40:16 | 0.066                     |
| 10001      | 09/25/2008 | 10:40:17 | 0.061                     |
| 10002      | 09/25/2008 | 10:40:18 | 0.057                     |
| 10003      | 09/25/2008 | 10:40:19 | 0.057                     |
| 10004      | 09/25/2008 | 10:40:20 | 0.058                     |
| 10005      | 09/25/2008 | 10:40:21 | 0.055                     |
| 10006      | 09/25/2008 | 10:40:22 | 0.059                     |
| 10007      | 09/25/2008 | 10:40:23 | 0.066                     |
| 10008      | 09/25/2008 | 10:40:24 | 0.056                     |
| 10009      | 09/25/2008 | 10:40:25 | 0.053                     |
| 10010      | 09/25/2008 | 10:40:26 | 0.064                     |
| 10011      | 09/25/2008 | 10:40:27 | 0.059                     |
| 10012      | 09/25/2008 | 10:40:28 | 0.061                     |
| 10013      | 09/25/2008 | 10:40:29 | 0.063                     |
| 10014      | 09/25/2008 | 10:40:30 | 0.059                     |
| 10015      | 09/25/2008 | 10:40:31 | 0.071                     |
| 10016      | 09/25/2008 | 10:40:32 | 0.061                     |
| 10017      | 09/25/2008 | 10:40:33 | 0.052                     |
| 10018      | 09/25/2008 | 10:40:34 | 0.060                     |
| 10019      | 09/25/2008 | 10:40:35 | 0.057                     |
| 10020      | 09/25/2008 | 10:40:36 | 0.058                     |
| 10021      | 09/25/2008 | 10:40:37 | 0.064                     |
| 10022      | 09/25/2008 | 10:40:38 | 0.056                     |
| 10023      | 09/25/2008 | 10:40:39 | 0.056                     |
| 10024      | 09/25/2008 | 10:40:40 | 0.067                     |
| 10025      | 09/25/2008 | 10:40:41 | 0.065                     |
| 10026      | 09/25/2008 | 10:40:42 | 0.055                     |
| 10027      | 09/25/2008 | 10:40:43 | 0.058                     |
| 10028      | 09/25/2008 | 10:40:44 | 0.060                     |
| 10029      | 09/25/2008 | 10:40:45 | 0.059                     |
| 10030      | 09/25/2008 | 10:40:46 | 0.053                     |
| 10031      | 09/25/2008 | 10:40:47 | 0.055                     |
| 10032      | 09/25/2008 | 10:40:48 | 0.061                     |
| 10033      | 09/25/2008 | 10:40:49 | 0.081                     |
| 10034      | 09/25/2008 | 10:40:50 | 0.051                     |
| 10035      | 09/25/2008 | 10:40:51 | 0.081                     |
| 10036      | 09/25/2008 | 10:40:52 | 0.057                     |
| 10037      | 09/25/2008 | 10:40:53 | 0.057                     |
| 10038      | 09/25/2008 | 10:40:54 | 0.061                     |
| 10039      | 09/25/2008 | 10:40:55 | 0.061                     |
| 10040      | 09/25/2008 | 10:40:56 | 0.059                     |
| 10041      | 09/25/2008 | 10:40:57 | 0.077                     |
| 10042      | 09/25/2008 | 10:40:58 | 0.056                     |
| 10043      | 09/25/2008 | 10:40:59 | 0.065                     |
| 10044      | 09/25/2008 | 10:41:00 | 0.059                     |
| 10045      | 09/25/2008 | 10:41:01 | 0.104                     |
| 10046      | 09/25/2008 | 10:41:02 | 0.062                     |
| 10047      | 09/25/2008 | 10:41:03 | 0.054                     |
| 10048      | 09/25/2008 | 10:41:04 | 0.052                     |
| 10049      | 09/25/2008 | 10:41:05 | 0.057                     |
| 10050      | 09/25/2008 | 10:41:06 | 0.062                     |
| 10051      | 09/25/2008 | 10:41:07 | 0.056                     |
| 10052      | 09/25/2008 | 10:41:08 | 0.054                     |
| 10053      | 09/25/2008 | 10:41:09 | 0.060                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 10054      | 09/25/2008 | 10:41:10 | 0.066                     |
| 10055      | 09/25/2008 | 10:41:11 | 0.057                     |
| 10056      | 09/25/2008 | 10:41:12 | 0.055                     |
| 10057      | 09/25/2008 | 10:41:13 | 0.058                     |
| 10058      | 09/25/2008 | 10:41:14 | 0.053                     |
| 10059      | 09/25/2008 | 10:41:15 | 0.054                     |
| 10060      | 09/25/2008 | 10:41:16 | 0.060                     |
| 10061      | 09/25/2008 | 10:41:17 | 0.063                     |
| 10062      | 09/25/2008 | 10:41:18 | 0.060                     |
| 10063      | 09/25/2008 | 10:41:19 | 0.063                     |
| 10064      | 09/25/2008 | 10:41:20 | 0.060                     |
| 10065      | 09/25/2008 | 10:41:21 | 0.055                     |
| 10066      | 09/25/2008 | 10:41:22 | 0.068                     |
| 10067      | 09/25/2008 | 10:41:23 | 0.056                     |
| 10068      | 09/25/2008 | 10:41:24 | 0.062                     |
| 10069      | 09/25/2008 | 10:41:25 | 0.070                     |
| 10070      | 09/25/2008 | 10:41:26 | 0.062                     |
| 10071      | 09/25/2008 | 10:41:27 | 0.061                     |
| 10072      | 09/25/2008 | 10:41:28 | 0.063                     |
| 10073      | 09/25/2008 | 10:41:29 | 0.058                     |
| 10074      | 09/25/2008 | 10:41:30 | 0.076                     |
| 10075      | 09/25/2008 | 10:41:31 | 0.072                     |
| 10076      | 09/25/2008 | 10:41:32 | 0.079                     |
| 10077      | 09/25/2008 | 10:41:33 | 0.057                     |
| 10078      | 09/25/2008 | 10:41:34 | 0.064                     |
| 10079      | 09/25/2008 | 10:41:35 | 0.065                     |
| 10080      | 09/25/2008 | 10:41:36 | 0.066                     |
| 10081      | 09/25/2008 | 10:41:37 | 0.056                     |
| 10082      | 09/25/2008 | 10:41:38 | 0.074                     |
| 10083      | 09/25/2008 | 10:41:39 | 0.054                     |
| 10084      | 09/25/2008 | 10:41:40 | 0.057                     |
| 10085      | 09/25/2008 | 10:41:41 | 0.057                     |
| 10086      | 09/25/2008 | 10:41:42 | 0.056                     |
| 10087      | 09/25/2008 | 10:41:43 | 0.059                     |
| 10088      | 09/25/2008 | 10:41:44 | 0.057                     |
| 10089      | 09/25/2008 | 10:41:45 | 0.057                     |
| 10090      | 09/25/2008 | 10:41:46 | 0.062                     |
| 10091      | 09/25/2008 | 10:41:47 | 0.056                     |
| 10092      | 09/25/2008 | 10:41:48 | 0.059                     |
| 10093      | 09/25/2008 | 10:41:49 | 0.058                     |
| 10094      | 09/25/2008 | 10:41:50 | 0.053                     |
| 10095      | 09/25/2008 | 10:41:51 | 0.058                     |
| 10096      | 09/25/2008 | 10:41:52 | 0.066                     |
| 10097      | 09/25/2008 | 10:41:53 | 0.069                     |
| 10098      | 09/25/2008 | 10:41:54 | 0.059                     |
| 10099      | 09/25/2008 | 10:41:55 | 0.061                     |
| 10100      | 09/25/2008 | 10:41:56 | 0.088                     |
| 10101      | 09/25/2008 | 10:41:57 | 0.059                     |
| 10102      | 09/25/2008 | 10:41:58 | 0.054                     |
| 10103      | 09/25/2008 | 10:41:59 | 0.061                     |
| 10104      | 09/25/2008 | 10:42:00 | 0.071                     |
| 10105      | 09/25/2008 | 10:42:01 | 0.053                     |
| 10106      | 09/25/2008 | 10:42:02 | 0.058                     |
| 10107      | 09/25/2008 | 10:42:03 | 0.060                     |
| 10108      | 09/25/2008 | 10:42:04 | 0.054                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 10109      | 09/25/2008 | 10:42:05 | 0.056                     |
| 10110      | 09/25/2008 | 10:42:06 | 0.058                     |
| 10111      | 09/25/2008 | 10:42:07 | 0.067                     |
| 10112      | 09/25/2008 | 10:42:08 | 0.056                     |
| 10113      | 09/25/2008 | 10:42:09 | 0.068                     |
| 10114      | 09/25/2008 | 10:42:10 | 0.057                     |
| 10115      | 09/25/2008 | 10:42:11 | 0.057                     |
| 10116      | 09/25/2008 | 10:42:12 | 0.057                     |
| 10117      | 09/25/2008 | 10:42:13 | 0.057                     |
| 10118      | 09/25/2008 | 10:42:14 | 0.057                     |
| 10119      | 09/25/2008 | 10:42:15 | 0.060                     |
| 10120      | 09/25/2008 | 10:42:16 | 0.062                     |
| 10121      | 09/25/2008 | 10:42:17 | 0.057                     |
| 10122      | 09/25/2008 | 10:42:18 | 0.055                     |
| 10123      | 09/25/2008 | 10:42:19 | 0.056                     |
| 10124      | 09/25/2008 | 10:42:20 | 0.061                     |
| 10125      | 09/25/2008 | 10:42:21 | 0.059                     |
| 10126      | 09/25/2008 | 10:42:22 | 0.068                     |
| 10127      | 09/25/2008 | 10:42:23 | 0.060                     |
| 10128      | 09/25/2008 | 10:42:24 | 0.064                     |
| 10129      | 09/25/2008 | 10:42:25 | 0.055                     |
| 10130      | 09/25/2008 | 10:42:26 | 0.063                     |
| 10131      | 09/25/2008 | 10:42:27 | 0.060                     |
| 10132      | 09/25/2008 | 10:42:28 | 0.063                     |
| 10133      | 09/25/2008 | 10:42:29 | 0.059                     |
| 10134      | 09/25/2008 | 10:42:30 | 0.057                     |
| 10135      | 09/25/2008 | 10:42:31 | 0.055                     |
| 10136      | 09/25/2008 | 10:42:32 | 0.055                     |
| 10137      | 09/25/2008 | 10:42:33 | 0.058                     |
| 10138      | 09/25/2008 | 10:42:34 | 0.060                     |
| 10139      | 09/25/2008 | 10:42:35 | 0.063                     |
| 10140      | 09/25/2008 | 10:42:36 | 0.053                     |
| 10141      | 09/25/2008 | 10:42:37 | 0.070                     |
| 10142      | 09/25/2008 | 10:42:38 | 0.072                     |
| 10143      | 09/25/2008 | 10:42:39 | 0.061                     |
| 10144      | 09/25/2008 | 10:42:40 | 0.058                     |
| 10145      | 09/25/2008 | 10:42:41 | 0.062                     |
| 10146      | 09/25/2008 | 10:42:42 | 0.063                     |
| 10147      | 09/25/2008 | 10:42:43 | 0.067                     |
| 10148      | 09/25/2008 | 10:42:44 | 0.060                     |
| 10149      | 09/25/2008 | 10:42:45 | 0.057                     |
| 10150      | 09/25/2008 | 10:42:46 | 0.053                     |
| 10151      | 09/25/2008 | 10:42:47 | 0.054                     |
| 10152      | 09/25/2008 | 10:42:48 | 0.058                     |
| 10153      | 09/25/2008 | 10:42:49 | 0.057                     |
| 10154      | 09/25/2008 | 10:42:50 | 0.054                     |
| 10155      | 09/25/2008 | 10:42:51 | 0.058                     |
| 10156      | 09/25/2008 | 10:42:52 | 0.056                     |
| 10157      | 09/25/2008 | 10:42:53 | 0.059                     |
| 10158      | 09/25/2008 | 10:42:54 | 0.060                     |
| 10159      | 09/25/2008 | 10:42:55 | 0.056                     |
| 10160      | 09/25/2008 | 10:42:56 | 0.063                     |
| 10161      | 09/25/2008 | 10:42:57 | 0.072                     |
| 10162      | 09/25/2008 | 10:42:58 | 0.099                     |
| 10163      | 09/25/2008 | 10:42:59 | 0.064                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 10164      | 09/25/2008 | 10:43:00 | 0.069                     |
| 10165      | 09/25/2008 | 10:43:01 | 0.071                     |
| 10166      | 09/25/2008 | 10:43:02 | 0.059                     |
| 10167      | 09/25/2008 | 10:43:03 | 0.074                     |
| 10168      | 09/25/2008 | 10:43:04 | 0.063                     |
| 10169      | 09/25/2008 | 10:43:05 | 0.080                     |
| 10170      | 09/25/2008 | 10:43:06 | 0.064                     |
| 10171      | 09/25/2008 | 10:43:07 | 0.057                     |
| 10172      | 09/25/2008 | 10:43:08 | 0.059                     |
| 10173      | 09/25/2008 | 10:43:09 | 0.071                     |
| 10174      | 09/25/2008 | 10:43:10 | 0.166                     |
| 10175      | 09/25/2008 | 10:43:11 | 0.162                     |
| 10176      | 09/25/2008 | 10:43:12 | 0.241                     |
| 10177      | 09/25/2008 | 10:43:13 | 0.175                     |
| 10178      | 09/25/2008 | 10:43:14 | 0.083                     |
| 10179      | 09/25/2008 | 10:43:15 | 0.071                     |
| 10180      | 09/25/2008 | 10:43:16 | 0.067                     |
| 10181      | 09/25/2008 | 10:43:17 | 0.064                     |
| 10182      | 09/25/2008 | 10:43:18 | 0.063                     |
| 10183      | 09/25/2008 | 10:43:19 | 0.064                     |
| 10184      | 09/25/2008 | 10:43:20 | 0.079                     |
| 10185      | 09/25/2008 | 10:43:21 | 0.066                     |
| 10186      | 09/25/2008 | 10:43:22 | 0.056                     |
| 10187      | 09/25/2008 | 10:43:23 | 0.066                     |
| 10188      | 09/25/2008 | 10:43:24 | 0.063                     |
| 10189      | 09/25/2008 | 10:43:25 | 0.056                     |
| 10190      | 09/25/2008 | 10:43:26 | 0.075                     |
| 10191      | 09/25/2008 | 10:43:27 | 0.058                     |
| 10192      | 09/25/2008 | 10:43:28 | 0.060                     |
| 10193      | 09/25/2008 | 10:43:29 | 0.052                     |
| 10194      | 09/25/2008 | 10:43:30 | 0.057                     |
| 10195      | 09/25/2008 | 10:43:31 | 0.057                     |
| 10196      | 09/25/2008 | 10:43:32 | 0.056                     |
| 10197      | 09/25/2008 | 10:43:33 | 0.053                     |
| 10198      | 09/25/2008 | 10:43:34 | 0.105                     |
| 10199      | 09/25/2008 | 10:43:35 | 0.059                     |
| 10200      | 09/25/2008 | 10:43:36 | 0.073                     |
| 10201      | 09/25/2008 | 10:43:37 | 0.059                     |
| 10202      | 09/25/2008 | 10:43:38 | 0.090                     |
| 10203      | 09/25/2008 | 10:43:39 | 0.055                     |
| 10204      | 09/25/2008 | 10:43:40 | 0.057                     |
| 10205      | 09/25/2008 | 10:43:41 | 0.065                     |
| 10206      | 09/25/2008 | 10:43:42 | 0.064                     |
| 10207      | 09/25/2008 | 10:43:43 | 0.060                     |
| 10208      | 09/25/2008 | 10:43:44 | 0.059                     |
| 10209      | 09/25/2008 | 10:43:45 | 0.061                     |
| 10210      | 09/25/2008 | 10:43:46 | 0.054                     |
| 10211      | 09/25/2008 | 10:43:47 | 0.055                     |
| 10212      | 09/25/2008 | 10:43:48 | 0.058                     |
| 10213      | 09/25/2008 | 10:43:49 | 0.061                     |
| 10214      | 09/25/2008 | 10:43:50 | 0.056                     |
| 10215      | 09/25/2008 | 10:43:51 | 0.059                     |
| 10216      | 09/25/2008 | 10:43:52 | 0.055                     |
| 10217      | 09/25/2008 | 10:43:53 | 0.083                     |
| 10218      | 09/25/2008 | 10:43:54 | 0.059                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 10219      | 09/25/2008 | 10:43:55 | 0.063                     |
| 10220      | 09/25/2008 | 10:43:56 | 0.054                     |
| 10221      | 09/25/2008 | 10:43:57 | 0.053                     |
| 10222      | 09/25/2008 | 10:43:58 | 0.058                     |
| 10223      | 09/25/2008 | 10:43:59 | 0.052                     |
| 10224      | 09/25/2008 | 10:44:00 | 0.058                     |
| 10225      | 09/25/2008 | 10:44:01 | 0.060                     |
| 10226      | 09/25/2008 | 10:44:02 | 0.074                     |
| 10227      | 09/25/2008 | 10:44:03 | 0.065                     |
| 10228      | 09/25/2008 | 10:44:04 | 0.055                     |
| 10229      | 09/25/2008 | 10:44:05 | 0.057                     |
| 10230      | 09/25/2008 | 10:44:06 | 0.061                     |
| 10231      | 09/25/2008 | 10:44:07 | 0.081                     |
| 10232      | 09/25/2008 | 10:44:08 | 0.061                     |
| 10233      | 09/25/2008 | 10:44:09 | 0.070                     |
| 10234      | 09/25/2008 | 10:44:10 | 0.057                     |
| 10235      | 09/25/2008 | 10:44:11 | 0.068                     |
| 10236      | 09/25/2008 | 10:44:12 | 0.059                     |
| 10237      | 09/25/2008 | 10:44:13 | 0.061                     |
| 10238      | 09/25/2008 | 10:44:14 | 0.055                     |
| 10239      | 09/25/2008 | 10:44:15 | 0.052                     |
| 10240      | 09/25/2008 | 10:44:16 | 0.052                     |
| 10241      | 09/25/2008 | 10:44:17 | 0.062                     |
| 10242      | 09/25/2008 | 10:44:18 | 0.060                     |
| 10243      | 09/25/2008 | 10:44:19 | 0.056                     |
| 10244      | 09/25/2008 | 10:44:20 | 0.058                     |
| 10245      | 09/25/2008 | 10:44:21 | 0.058                     |
| 10246      | 09/25/2008 | 10:44:22 | 0.069                     |
| 10247      | 09/25/2008 | 10:44:23 | 0.064                     |
| 10248      | 09/25/2008 | 10:44:24 | 0.068                     |
| 10249      | 09/25/2008 | 10:44:25 | 0.063                     |
| 10250      | 09/25/2008 | 10:44:26 | 0.056                     |
| 10251      | 09/25/2008 | 10:44:27 | 0.059                     |
| 10252      | 09/25/2008 | 10:44:28 | 0.082                     |
| 10253      | 09/25/2008 | 10:44:29 | 0.080                     |
| 10254      | 09/25/2008 | 10:44:30 | 0.068                     |
| 10255      | 09/25/2008 | 10:44:31 | 0.081                     |
| 10256      | 09/25/2008 | 10:44:32 | 0.165                     |
| 10257      | 09/25/2008 | 10:44:33 | 0.089                     |
| 10258      | 09/25/2008 | 10:44:34 | 0.097                     |
| 10259      | 09/25/2008 | 10:44:35 | 0.065                     |
| 10260      | 09/25/2008 | 10:44:36 | 0.056                     |
| 10261      | 09/25/2008 | 10:44:37 | 0.059                     |
| 10262      | 09/25/2008 | 10:44:38 | 0.061                     |
| 10263      | 09/25/2008 | 10:44:39 | 0.058                     |
| 10264      | 09/25/2008 | 10:44:40 | 0.062                     |
| 10265      | 09/25/2008 | 10:44:41 | 0.054                     |
| 10266      | 09/25/2008 | 10:44:42 | 0.057                     |
| 10267      | 09/25/2008 | 10:44:43 | 0.051                     |
| 10268      | 09/25/2008 | 10:44:44 | 0.077                     |
| 10269      | 09/25/2008 | 10:44:45 | 0.057                     |
| 10270      | 09/25/2008 | 10:44:46 | 0.057                     |
| 10271      | 09/25/2008 | 10:44:47 | 0.056                     |
| 10272      | 09/25/2008 | 10:44:48 | 0.063                     |
| 10273      | 09/25/2008 | 10:44:49 | 0.064                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 10274      | 09/25/2008 | 10:44:50 | 0.055                     |
| 10275      | 09/25/2008 | 10:44:51 | 0.059                     |
| 10276      | 09/25/2008 | 10:44:52 | 0.068                     |
| 10277      | 09/25/2008 | 10:44:53 | 0.074                     |
| 10278      | 09/25/2008 | 10:44:54 | 0.072                     |
| 10279      | 09/25/2008 | 10:44:55 | 0.066                     |
| 10280      | 09/25/2008 | 10:44:56 | 0.070                     |
| 10281      | 09/25/2008 | 10:44:57 | 0.056                     |
| 10282      | 09/25/2008 | 10:44:58 | 0.052                     |
| 10283      | 09/25/2008 | 10:44:59 | 0.056                     |
| 10284      | 09/25/2008 | 10:45:00 | 0.058                     |
| 10285      | 09/25/2008 | 10:45:01 | 0.069                     |
| 10286      | 09/25/2008 | 10:45:02 | 0.059                     |
| 10287      | 09/25/2008 | 10:45:03 | 0.056                     |
| 10288      | 09/25/2008 | 10:45:04 | 0.056                     |
| 10289      | 09/25/2008 | 10:45:05 | 0.076                     |
| 10290      | 09/25/2008 | 10:45:06 | 0.055                     |
| 10291      | 09/25/2008 | 10:45:07 | 0.057                     |
| 10292      | 09/25/2008 | 10:45:08 | 0.053                     |
| 10293      | 09/25/2008 | 10:45:09 | 0.055                     |
| 10294      | 09/25/2008 | 10:45:10 | 0.059                     |
| 10295      | 09/25/2008 | 10:45:11 | 0.058                     |
| 10296      | 09/25/2008 | 10:45:12 | 0.059                     |
| 10297      | 09/25/2008 | 10:45:13 | 0.058                     |
| 10298      | 09/25/2008 | 10:45:14 | 0.063                     |
| 10299      | 09/25/2008 | 10:45:15 | 0.062                     |
| 10300      | 09/25/2008 | 10:45:16 | 0.063                     |
| 10301      | 09/25/2008 | 10:45:17 | 0.057                     |
| 10302      | 09/25/2008 | 10:45:18 | 0.057                     |
| 10303      | 09/25/2008 | 10:45:19 | 0.054                     |
| 10304      | 09/25/2008 | 10:45:20 | 0.055                     |
| 10305      | 09/25/2008 | 10:45:21 | 0.058                     |
| 10306      | 09/25/2008 | 10:45:22 | 0.069                     |
| 10307      | 09/25/2008 | 10:45:23 | 0.073                     |
| 10308      | 09/25/2008 | 10:45:24 | 0.060                     |
| 10309      | 09/25/2008 | 10:45:25 | 0.061                     |
| 10310      | 09/25/2008 | 10:45:26 | 0.070                     |
| 10311      | 09/25/2008 | 10:45:27 | 0.063                     |
| 10312      | 09/25/2008 | 10:45:28 | 0.060                     |
| 10313      | 09/25/2008 | 10:45:29 | 0.059                     |
| 10314      | 09/25/2008 | 10:45:30 | 0.060                     |
| 10315      | 09/25/2008 | 10:45:31 | 0.085                     |
| 10316      | 09/25/2008 | 10:45:32 | 0.065                     |
| 10317      | 09/25/2008 | 10:45:33 | 0.062                     |
| 10318      | 09/25/2008 | 10:45:34 | 0.064                     |
| 10319      | 09/25/2008 | 10:45:35 | 0.065                     |
| 10320      | 09/25/2008 | 10:45:36 | 0.058                     |
| 10321      | 09/25/2008 | 10:45:37 | 0.073                     |
| 10322      | 09/25/2008 | 10:45:38 | 0.063                     |
| 10323      | 09/25/2008 | 10:45:39 | 0.063                     |
| 10324      | 09/25/2008 | 10:45:40 | 0.058                     |
| 10325      | 09/25/2008 | 10:45:41 | 0.058                     |
| 10326      | 09/25/2008 | 10:45:42 | 0.082                     |
| 10327      | 09/25/2008 | 10:45:43 | 0.082                     |
| 10328      | 09/25/2008 | 10:45:44 | 0.074                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 10329      | 09/25/2008 | 10:45:45 | 0.071                     |
| 10330      | 09/25/2008 | 10:45:46 | 0.073                     |
| 10331      | 09/25/2008 | 10:45:47 | 0.060                     |
| 10332      | 09/25/2008 | 10:45:48 | 0.055                     |
| 10333      | 09/25/2008 | 10:45:49 | 0.055                     |
| 10334      | 09/25/2008 | 10:45:50 | 0.056                     |
| 10335      | 09/25/2008 | 10:45:51 | 0.066                     |
| 10336      | 09/25/2008 | 10:45:52 | 0.055                     |
| 10337      | 09/25/2008 | 10:45:53 | 0.067                     |
| 10338      | 09/25/2008 | 10:45:54 | 0.066                     |
| 10339      | 09/25/2008 | 10:45:55 | 0.099                     |
| 10340      | 09/25/2008 | 10:45:56 | 0.095                     |
| 10341      | 09/25/2008 | 10:45:57 | 0.106                     |
| 10342      | 09/25/2008 | 10:45:58 | 0.078                     |
| 10343      | 09/25/2008 | 10:45:59 | 0.078                     |
| 10344      | 09/25/2008 | 10:46:00 | 0.062                     |
| 10345      | 09/25/2008 | 10:46:01 | 0.065                     |
| 10346      | 09/25/2008 | 10:46:02 | 0.069                     |
| 10347      | 09/25/2008 | 10:46:03 | 0.084                     |
| 10348      | 09/25/2008 | 10:46:04 | 0.087                     |
| 10349      | 09/25/2008 | 10:46:05 | 0.086                     |
| 10350      | 09/25/2008 | 10:46:06 | 0.088                     |
| 10351      | 09/25/2008 | 10:46:07 | 0.093                     |
| 10352      | 09/25/2008 | 10:46:08 | 0.151                     |
| 10353      | 09/25/2008 | 10:46:09 | 0.089                     |
| 10354      | 09/25/2008 | 10:46:10 | 0.066                     |
| 10355      | 09/25/2008 | 10:46:11 | 0.062                     |
| 10356      | 09/25/2008 | 10:46:12 | 0.082                     |
| 10357      | 09/25/2008 | 10:46:13 | 0.060                     |
| 10358      | 09/25/2008 | 10:46:14 | 0.060                     |
| 10359      | 09/25/2008 | 10:46:15 | 0.062                     |
| 10360      | 09/25/2008 | 10:46:16 | 0.063                     |
| 10361      | 09/25/2008 | 10:46:17 | 0.062                     |
| 10362      | 09/25/2008 | 10:46:18 | 0.067                     |
| 10363      | 09/25/2008 | 10:46:19 | 0.062                     |
| 10364      | 09/25/2008 | 10:46:20 | 0.062                     |
| 10365      | 09/25/2008 | 10:46:21 | 0.058                     |
| 10366      | 09/25/2008 | 10:46:22 | 0.056                     |
| 10367      | 09/25/2008 | 10:46:23 | 0.056                     |
| 10368      | 09/25/2008 | 10:46:24 | 0.062                     |
| 10369      | 09/25/2008 | 10:46:25 | 0.063                     |
| 10370      | 09/25/2008 | 10:46:26 | 0.057                     |
| 10371      | 09/25/2008 | 10:46:27 | 0.054                     |
| 10372      | 09/25/2008 | 10:46:28 | 0.061                     |
| 10373      | 09/25/2008 | 10:46:29 | 0.051                     |
| 10374      | 09/25/2008 | 10:46:30 | 0.055                     |
| 10375      | 09/25/2008 | 10:46:31 | 0.056                     |
| 10376      | 09/25/2008 | 10:46:32 | 0.059                     |
| 10377      | 09/25/2008 | 10:46:33 | 0.054                     |
| 10378      | 09/25/2008 | 10:46:34 | 0.082                     |
| 10379      | 09/25/2008 | 10:46:35 | 0.062                     |
| 10380      | 09/25/2008 | 10:46:36 | 0.058                     |
| 10381      | 09/25/2008 | 10:46:37 | 0.061                     |
| 10382      | 09/25/2008 | 10:46:38 | 0.083                     |
| 10383      | 09/25/2008 | 10:46:39 | 0.064                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 10384      | 09/25/2008 | 10:46:40 | 0.063                     |
| 10385      | 09/25/2008 | 10:46:41 | 0.068                     |
| 10386      | 09/25/2008 | 10:46:42 | 0.078                     |
| 10387      | 09/25/2008 | 10:46:43 | 0.053                     |
| 10388      | 09/25/2008 | 10:46:44 | 0.083                     |
| 10389      | 09/25/2008 | 10:46:45 | 0.061                     |
| 10390      | 09/25/2008 | 10:46:46 | 0.062                     |
| 10391      | 09/25/2008 | 10:46:47 | 0.065                     |
| 10392      | 09/25/2008 | 10:46:48 | 0.074                     |
| 10393      | 09/25/2008 | 10:46:49 | 0.053                     |
| 10394      | 09/25/2008 | 10:46:50 | 0.061                     |
| 10395      | 09/25/2008 | 10:46:51 | 0.057                     |
| 10396      | 09/25/2008 | 10:46:52 | 0.058                     |
| 10397      | 09/25/2008 | 10:46:53 | 0.061                     |
| 10398      | 09/25/2008 | 10:46:54 | 0.090                     |
| 10399      | 09/25/2008 | 10:46:55 | 0.068                     |
| 10400      | 09/25/2008 | 10:46:56 | 0.059                     |
| 10401      | 09/25/2008 | 10:46:57 | 0.060                     |
| 10402      | 09/25/2008 | 10:46:58 | 0.058                     |
| 10403      | 09/25/2008 | 10:46:59 | 0.058                     |
| 10404      | 09/25/2008 | 10:47:00 | 0.070                     |
| 10405      | 09/25/2008 | 10:47:01 | 0.057                     |
| 10406      | 09/25/2008 | 10:47:02 | 0.059                     |
| 10407      | 09/25/2008 | 10:47:03 | 0.053                     |
| 10408      | 09/25/2008 | 10:47:04 | 0.059                     |
| 10409      | 09/25/2008 | 10:47:05 | 0.061                     |
| 10410      | 09/25/2008 | 10:47:06 | 0.087                     |
| 10411      | 09/25/2008 | 10:47:07 | 0.078                     |
| 10412      | 09/25/2008 | 10:47:08 | 0.056                     |
| 10413      | 09/25/2008 | 10:47:09 | 0.057                     |
| 10414      | 09/25/2008 | 10:47:10 | 0.074                     |
| 10415      | 09/25/2008 | 10:47:11 | 0.071                     |
| 10416      | 09/25/2008 | 10:47:12 | 0.075                     |
| 10417      | 09/25/2008 | 10:47:13 | 0.068                     |
| 10418      | 09/25/2008 | 10:47:14 | 0.054                     |
| 10419      | 09/25/2008 | 10:47:15 | 0.060                     |
| 10420      | 09/25/2008 | 10:47:16 | 0.060                     |
| 10421      | 09/25/2008 | 10:47:17 | 0.059                     |
| 10422      | 09/25/2008 | 10:47:18 | 0.058                     |
| 10423      | 09/25/2008 | 10:47:19 | 0.058                     |
| 10424      | 09/25/2008 | 10:47:20 | 0.059                     |
| 10425      | 09/25/2008 | 10:47:21 | 0.056                     |
| 10426      | 09/25/2008 | 10:47:22 | 0.053                     |
| 10427      | 09/25/2008 | 10:47:23 | 0.057                     |
| 10428      | 09/25/2008 | 10:47:24 | 0.053                     |
| 10429      | 09/25/2008 | 10:47:25 | 0.064                     |
| 10430      | 09/25/2008 | 10:47:26 | 0.060                     |
| 10431      | 09/25/2008 | 10:47:27 | 0.054                     |
| 10432      | 09/25/2008 | 10:47:28 | 0.050                     |
| 10433      | 09/25/2008 | 10:47:29 | 0.065                     |
| 10434      | 09/25/2008 | 10:47:30 | 0.053                     |
| 10435      | 09/25/2008 | 10:47:31 | 0.067                     |
| 10436      | 09/25/2008 | 10:47:32 | 0.055                     |
| 10437      | 09/25/2008 | 10:47:33 | 0.059                     |
| 10438      | 09/25/2008 | 10:47:34 | 0.068                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 10439      | 09/25/2008 | 10:47:35 | 0.060                     |
| 10440      | 09/25/2008 | 10:47:36 | 0.054                     |
| 10441      | 09/25/2008 | 10:47:37 | 0.055                     |
| 10442      | 09/25/2008 | 10:47:38 | 0.056                     |
| 10443      | 09/25/2008 | 10:47:39 | 0.073                     |
| 10444      | 09/25/2008 | 10:47:40 | 0.053                     |
| 10445      | 09/25/2008 | 10:47:41 | 0.058                     |
| 10446      | 09/25/2008 | 10:47:42 | 0.058                     |
| 10447      | 09/25/2008 | 10:47:43 | 0.060                     |
| 10448      | 09/25/2008 | 10:47:44 | 0.060                     |
| 10449      | 09/25/2008 | 10:47:45 | 0.060                     |
| 10450      | 09/25/2008 | 10:47:46 | 0.068                     |
| 10451      | 09/25/2008 | 10:47:47 | 0.072                     |
| 10452      | 09/25/2008 | 10:47:48 | 0.095                     |
| 10453      | 09/25/2008 | 10:47:49 | 0.064                     |
| 10454      | 09/25/2008 | 10:47:50 | 0.060                     |
| 10455      | 09/25/2008 | 10:47:51 | 0.052                     |
| 10456      | 09/25/2008 | 10:47:52 | 0.052                     |
| 10457      | 09/25/2008 | 10:47:53 | 0.056                     |
| 10458      | 09/25/2008 | 10:47:54 | 0.057                     |
| 10459      | 09/25/2008 | 10:47:55 | 0.062                     |
| 10460      | 09/25/2008 | 10:47:56 | 0.056                     |
| 10461      | 09/25/2008 | 10:47:57 | 0.068                     |
| 10462      | 09/25/2008 | 10:47:58 | 0.067                     |
| 10463      | 09/25/2008 | 10:47:59 | 0.063                     |
| 10464      | 09/25/2008 | 10:48:00 | 0.060                     |
| 10465      | 09/25/2008 | 10:48:01 | 0.060                     |
| 10466      | 09/25/2008 | 10:48:02 | 0.070                     |
| 10467      | 09/25/2008 | 10:48:03 | 0.059                     |
| 10468      | 09/25/2008 | 10:48:04 | 0.064                     |
| 10469      | 09/25/2008 | 10:48:05 | 0.088                     |
| 10470      | 09/25/2008 | 10:48:06 | 0.059                     |
| 10471      | 09/25/2008 | 10:48:07 | 0.057                     |
| 10472      | 09/25/2008 | 10:48:08 | 0.055                     |
| 10473      | 09/25/2008 | 10:48:09 | 0.060                     |
| 10474      | 09/25/2008 | 10:48:10 | 0.057                     |
| 10475      | 09/25/2008 | 10:48:11 | 0.101                     |
| 10476      | 09/25/2008 | 10:48:12 | 0.063                     |
| 10477      | 09/25/2008 | 10:48:13 | 0.054                     |
| 10478      | 09/25/2008 | 10:48:14 | 0.058                     |
| 10479      | 09/25/2008 | 10:48:15 | 0.053                     |
| 10480      | 09/25/2008 | 10:48:16 | 0.057                     |
| 10481      | 09/25/2008 | 10:48:17 | 0.052                     |
| 10482      | 09/25/2008 | 10:48:18 | 0.085                     |
| 10483      | 09/25/2008 | 10:48:19 | 0.069                     |
| 10484      | 09/25/2008 | 10:48:20 | 0.058                     |
| 10485      | 09/25/2008 | 10:48:21 | 0.056                     |
| 10486      | 09/25/2008 | 10:48:22 | 0.063                     |
| 10487      | 09/25/2008 | 10:48:23 | 0.057                     |
| 10488      | 09/25/2008 | 10:48:24 | 0.053                     |
| 10489      | 09/25/2008 | 10:48:25 | 0.066                     |
| 10490      | 09/25/2008 | 10:48:26 | 0.052                     |
| 10491      | 09/25/2008 | 10:48:27 | 0.053                     |
| 10492      | 09/25/2008 | 10:48:28 | 0.052                     |
| 10493      | 09/25/2008 | 10:48:29 | 0.068                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 10494      | 09/25/2008 | 10:48:30 | 0.054                     |
| 10495      | 09/25/2008 | 10:48:31 | 0.076                     |
| 10496      | 09/25/2008 | 10:48:32 | 0.060                     |
| 10497      | 09/25/2008 | 10:48:33 | 0.066                     |
| 10498      | 09/25/2008 | 10:48:34 | 0.056                     |
| 10499      | 09/25/2008 | 10:48:35 | 0.054                     |
| 10500      | 09/25/2008 | 10:48:36 | 0.069                     |
| 10501      | 09/25/2008 | 10:48:37 | 0.058                     |
| 10502      | 09/25/2008 | 10:48:38 | 0.055                     |
| 10503      | 09/25/2008 | 10:48:39 | 0.057                     |
| 10504      | 09/25/2008 | 10:48:40 | 0.070                     |
| 10505      | 09/25/2008 | 10:48:41 | 0.058                     |
| 10506      | 09/25/2008 | 10:48:42 | 0.056                     |
| 10507      | 09/25/2008 | 10:48:43 | 0.058                     |
| 10508      | 09/25/2008 | 10:48:44 | 0.059                     |
| 10509      | 09/25/2008 | 10:48:45 | 0.055                     |
| 10510      | 09/25/2008 | 10:48:46 | 0.056                     |
| 10511      | 09/25/2008 | 10:48:47 | 0.062                     |
| 10512      | 09/25/2008 | 10:48:48 | 0.068                     |
| 10513      | 09/25/2008 | 10:48:49 | 0.063                     |
| 10514      | 09/25/2008 | 10:48:50 | 0.050                     |
| 10515      | 09/25/2008 | 10:48:51 | 0.066                     |
| 10516      | 09/25/2008 | 10:48:52 | 0.057                     |
| 10517      | 09/25/2008 | 10:48:53 | 0.060                     |
| 10518      | 09/25/2008 | 10:48:54 | 0.054                     |
| 10519      | 09/25/2008 | 10:48:55 | 0.057                     |
| 10520      | 09/25/2008 | 10:48:56 | 0.064                     |
| 10521      | 09/25/2008 | 10:48:57 | 0.068                     |
| 10522      | 09/25/2008 | 10:48:58 | 0.062                     |
| 10523      | 09/25/2008 | 10:48:59 | 0.056                     |
| 10524      | 09/25/2008 | 10:49:00 | 0.061                     |
| 10525      | 09/25/2008 | 10:49:01 | 0.061                     |
| 10526      | 09/25/2008 | 10:49:02 | 0.056                     |
| 10527      | 09/25/2008 | 10:49:03 | 0.054                     |
| 10528      | 09/25/2008 | 10:49:04 | 0.054                     |
| 10529      | 09/25/2008 | 10:49:05 | 0.069                     |
| 10530      | 09/25/2008 | 10:49:06 | 0.054                     |
| 10531      | 09/25/2008 | 10:49:07 | 0.056                     |
| 10532      | 09/25/2008 | 10:49:08 | 0.056                     |
| 10533      | 09/25/2008 | 10:49:09 | 0.059                     |
| 10534      | 09/25/2008 | 10:49:10 | 0.053                     |
| 10535      | 09/25/2008 | 10:49:11 | 0.063                     |
| 10536      | 09/25/2008 | 10:49:12 | 0.068                     |
| 10537      | 09/25/2008 | 10:49:13 | 0.069                     |
| 10538      | 09/25/2008 | 10:49:14 | 0.057                     |
| 10539      | 09/25/2008 | 10:49:15 | 0.066                     |
| 10540      | 09/25/2008 | 10:49:16 | 0.054                     |
| 10541      | 09/25/2008 | 10:49:17 | 0.057                     |
| 10542      | 09/25/2008 | 10:49:18 | 0.063                     |
| 10543      | 09/25/2008 | 10:49:19 | 0.059                     |
| 10544      | 09/25/2008 | 10:49:20 | 0.065                     |
| 10545      | 09/25/2008 | 10:49:21 | 0.068                     |
| 10546      | 09/25/2008 | 10:49:22 | 0.058                     |
| 10547      | 09/25/2008 | 10:49:23 | 0.063                     |
| 10548      | 09/25/2008 | 10:49:24 | 0.054                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 10549      | 09/25/2008 | 10:49:25 | 0.057                     |
| 10550      | 09/25/2008 | 10:49:26 | 0.062                     |
| 10551      | 09/25/2008 | 10:49:27 | 0.048                     |
| 10552      | 09/25/2008 | 10:49:28 | 0.067                     |
| 10553      | 09/25/2008 | 10:49:29 | 0.056                     |
| 10554      | 09/25/2008 | 10:49:30 | 0.053                     |
| 10555      | 09/25/2008 | 10:49:31 | 0.056                     |
| 10556      | 09/25/2008 | 10:49:32 | 0.060                     |
| 10557      | 09/25/2008 | 10:49:33 | 0.053                     |
| 10558      | 09/25/2008 | 10:49:34 | 0.059                     |
| 10559      | 09/25/2008 | 10:49:35 | 0.057                     |
| 10560      | 09/25/2008 | 10:49:36 | 0.049                     |
| 10561      | 09/25/2008 | 10:49:37 | 0.052                     |
| 10562      | 09/25/2008 | 10:49:38 | 0.054                     |
| 10563      | 09/25/2008 | 10:49:39 | 0.063                     |
| 10564      | 09/25/2008 | 10:49:40 | 0.054                     |
| 10565      | 09/25/2008 | 10:49:41 | 0.062                     |
| 10566      | 09/25/2008 | 10:49:42 | 0.073                     |
| 10567      | 09/25/2008 | 10:49:43 | 0.059                     |
| 10568      | 09/25/2008 | 10:49:44 | 0.061                     |
| 10569      | 09/25/2008 | 10:49:45 | 0.053                     |
| 10570      | 09/25/2008 | 10:49:46 | 0.057                     |
| 10571      | 09/25/2008 | 10:49:47 | 0.052                     |
| 10572      | 09/25/2008 | 10:49:48 | 0.057                     |
| 10573      | 09/25/2008 | 10:49:49 | 0.050                     |
| 10574      | 09/25/2008 | 10:49:50 | 0.060                     |
| 10575      | 09/25/2008 | 10:49:51 | 0.059                     |
| 10576      | 09/25/2008 | 10:49:52 | 0.062                     |
| 10577      | 09/25/2008 | 10:49:53 | 0.072                     |
| 10578      | 09/25/2008 | 10:49:54 | 0.052                     |
| 10579      | 09/25/2008 | 10:49:55 | 0.055                     |
| 10580      | 09/25/2008 | 10:49:56 | 0.061                     |
| 10581      | 09/25/2008 | 10:49:57 | 0.050                     |
| 10582      | 09/25/2008 | 10:49:58 | 0.108                     |
| 10583      | 09/25/2008 | 10:49:59 | 0.063                     |
| 10584      | 09/25/2008 | 10:50:00 | 0.062                     |
| 10585      | 09/25/2008 | 10:50:01 | 0.063                     |
| 10586      | 09/25/2008 | 10:50:02 | 0.053                     |
| 10587      | 09/25/2008 | 10:50:03 | 0.054                     |
| 10588      | 09/25/2008 | 10:50:04 | 0.055                     |
| 10589      | 09/25/2008 | 10:50:05 | 0.054                     |
| 10590      | 09/25/2008 | 10:50:06 | 0.066                     |
| 10591      | 09/25/2008 | 10:50:07 | 0.057                     |
| 10592      | 09/25/2008 | 10:50:08 | 0.060                     |
| 10593      | 09/25/2008 | 10:50:09 | 0.060                     |
| 10594      | 09/25/2008 | 10:50:10 | 0.058                     |
| 10595      | 09/25/2008 | 10:50:11 | 0.049                     |
| 10596      | 09/25/2008 | 10:50:12 | 0.049                     |
| 10597      | 09/25/2008 | 10:50:13 | 0.059                     |
| 10598      | 09/25/2008 | 10:50:14 | 0.054                     |
| 10599      | 09/25/2008 | 10:50:15 | 0.050                     |
| 10600      | 09/25/2008 | 10:50:16 | 0.067                     |
| 10601      | 09/25/2008 | 10:50:17 | 0.059                     |
| 10602      | 09/25/2008 | 10:50:18 | 0.086                     |
| 10603      | 09/25/2008 | 10:50:19 | 0.068                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 10604      | 09/25/2008 | 10:50:20 | 0.057                     |
| 10605      | 09/25/2008 | 10:50:21 | 0.061                     |
| 10606      | 09/25/2008 | 10:50:22 | 0.052                     |
| 10607      | 09/25/2008 | 10:50:23 | 0.054                     |
| 10608      | 09/25/2008 | 10:50:24 | 0.054                     |
| 10609      | 09/25/2008 | 10:50:25 | 0.051                     |
| 10610      | 09/25/2008 | 10:50:26 | 0.052                     |
| 10611      | 09/25/2008 | 10:50:27 | 0.065                     |
| 10612      | 09/25/2008 | 10:50:28 | 0.077                     |
| 10613      | 09/25/2008 | 10:50:29 | 0.057                     |
| 10614      | 09/25/2008 | 10:50:30 | 0.096                     |
| 10615      | 09/25/2008 | 10:50:31 | 0.057                     |
| 10616      | 09/25/2008 | 10:50:32 | 0.055                     |
| 10617      | 09/25/2008 | 10:50:33 | 0.056                     |
| 10618      | 09/25/2008 | 10:50:34 | 0.058                     |
| 10619      | 09/25/2008 | 10:50:35 | 0.061                     |
| 10620      | 09/25/2008 | 10:50:36 | 0.079                     |
| 10621      | 09/25/2008 | 10:50:37 | 0.071                     |
| 10622      | 09/25/2008 | 10:50:38 | 0.092                     |
| 10623      | 09/25/2008 | 10:50:39 | 0.079                     |
| 10624      | 09/25/2008 | 10:50:40 | 0.063                     |
| 10625      | 09/25/2008 | 10:50:41 | 0.088                     |
| 10626      | 09/25/2008 | 10:50:42 | 0.066                     |
| 10627      | 09/25/2008 | 10:50:43 | 0.056                     |
| 10628      | 09/25/2008 | 10:50:44 | 0.076                     |
| 10629      | 09/25/2008 | 10:50:45 | 0.059                     |
| 10630      | 09/25/2008 | 10:50:46 | 0.074                     |
| 10631      | 09/25/2008 | 10:50:47 | 0.066                     |
| 10632      | 09/25/2008 | 10:50:48 | 0.068                     |
| 10633      | 09/25/2008 | 10:50:49 | 0.065                     |
| 10634      | 09/25/2008 | 10:50:50 | 0.074                     |
| 10635      | 09/25/2008 | 10:50:51 | 0.074                     |
| 10636      | 09/25/2008 | 10:50:52 | 0.070                     |
| 10637      | 09/25/2008 | 10:50:53 | 0.057                     |
| 10638      | 09/25/2008 | 10:50:54 | 0.061                     |
| 10639      | 09/25/2008 | 10:50:55 | 0.061                     |
| 10640      | 09/25/2008 | 10:50:56 | 0.058                     |
| 10641      | 09/25/2008 | 10:50:57 | 0.086                     |
| 10642      | 09/25/2008 | 10:50:58 | 0.080                     |
| 10643      | 09/25/2008 | 10:50:59 | 0.085                     |
| 10644      | 09/25/2008 | 10:51:00 | 0.062                     |
| 10645      | 09/25/2008 | 10:51:01 | 0.063                     |
| 10646      | 09/25/2008 | 10:51:02 | 0.074                     |
| 10647      | 09/25/2008 | 10:51:03 | 0.060                     |
| 10648      | 09/25/2008 | 10:51:04 | 0.059                     |
| 10649      | 09/25/2008 | 10:51:05 | 0.059                     |
| 10650      | 09/25/2008 | 10:51:06 | 0.058                     |
| 10651      | 09/25/2008 | 10:51:07 | 0.058                     |
| 10652      | 09/25/2008 | 10:51:08 | 0.056                     |
| 10653      | 09/25/2008 | 10:51:09 | 0.061                     |
| 10654      | 09/25/2008 | 10:51:10 | 0.058                     |
| 10655      | 09/25/2008 | 10:51:11 | 0.058                     |
| 10656      | 09/25/2008 | 10:51:12 | 0.057                     |
| 10657      | 09/25/2008 | 10:51:13 | 0.068                     |
| 10658      | 09/25/2008 | 10:51:14 | 0.084                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 10659      | 09/25/2008 | 10:51:15 | 0.053                     |
| 10660      | 09/25/2008 | 10:51:16 | 0.062                     |
| 10661      | 09/25/2008 | 10:51:17 | 0.059                     |
| 10662      | 09/25/2008 | 10:51:18 | 0.061                     |
| 10663      | 09/25/2008 | 10:51:19 | 0.062                     |
| 10664      | 09/25/2008 | 10:51:20 | 0.055                     |
| 10665      | 09/25/2008 | 10:51:21 | 0.055                     |
| 10666      | 09/25/2008 | 10:51:22 | 0.054                     |
| 10667      | 09/25/2008 | 10:51:23 | 0.054                     |
| 10668      | 09/25/2008 | 10:51:24 | 0.109                     |
| 10669      | 09/25/2008 | 10:51:25 | 0.060                     |
| 10670      | 09/25/2008 | 10:51:26 | 0.059                     |
| 10671      | 09/25/2008 | 10:51:27 | 0.062                     |
| 10672      | 09/25/2008 | 10:51:28 | 0.056                     |
| 10673      | 09/25/2008 | 10:51:29 | 0.053                     |
| 10674      | 09/25/2008 | 10:51:30 | 0.060                     |
| 10675      | 09/25/2008 | 10:51:31 | 0.058                     |
| 10676      | 09/25/2008 | 10:51:32 | 0.055                     |
| 10677      | 09/25/2008 | 10:51:33 | 0.054                     |
| 10678      | 09/25/2008 | 10:51:34 | 0.055                     |
| 10679      | 09/25/2008 | 10:51:35 | 0.095                     |
| 10680      | 09/25/2008 | 10:51:36 | 0.075                     |
| 10681      | 09/25/2008 | 10:51:37 | 0.065                     |
| 10682      | 09/25/2008 | 10:51:38 | 0.080                     |
| 10683      | 09/25/2008 | 10:51:39 | 0.057                     |
| 10684      | 09/25/2008 | 10:51:40 | 0.058                     |
| 10685      | 09/25/2008 | 10:51:41 | 0.057                     |
| 10686      | 09/25/2008 | 10:51:42 | 0.059                     |
| 10687      | 09/25/2008 | 10:51:43 | 0.059                     |
| 10688      | 09/25/2008 | 10:51:44 | 0.054                     |
| 10689      | 09/25/2008 | 10:51:45 | 0.060                     |
| 10690      | 09/25/2008 | 10:51:46 | 0.053                     |
| 10691      | 09/25/2008 | 10:51:47 | 0.057                     |
| 10692      | 09/25/2008 | 10:51:48 | 0.054                     |
| 10693      | 09/25/2008 | 10:51:49 | 0.056                     |
| 10694      | 09/25/2008 | 10:51:50 | 0.054                     |
| 10695      | 09/25/2008 | 10:51:51 | 0.055                     |
| 10696      | 09/25/2008 | 10:51:52 | 0.055                     |
| 10697      | 09/25/2008 | 10:51:53 | 0.060                     |
| 10698      | 09/25/2008 | 10:51:54 | 0.062                     |
| 10699      | 09/25/2008 | 10:51:55 | 0.061                     |
| 10700      | 09/25/2008 | 10:51:56 | 0.051                     |
| 10701      | 09/25/2008 | 10:51:57 | 0.056                     |
| 10702      | 09/25/2008 | 10:51:58 | 0.054                     |
| 10703      | 09/25/2008 | 10:51:59 | 0.075                     |
| 10704      | 09/25/2008 | 10:52:00 | 0.052                     |
| 10705      | 09/25/2008 | 10:52:01 | 0.055                     |
| 10706      | 09/25/2008 | 10:52:02 | 0.053                     |
| 10707      | 09/25/2008 | 10:52:03 | 0.055                     |
| 10708      | 09/25/2008 | 10:52:04 | 0.054                     |
| 10709      | 09/25/2008 | 10:52:05 | 0.052                     |
| 10710      | 09/25/2008 | 10:52:06 | 0.056                     |
| 10711      | 09/25/2008 | 10:52:07 | 0.055                     |
| 10712      | 09/25/2008 | 10:52:08 | 0.057                     |
| 10713      | 09/25/2008 | 10:52:09 | 0.056                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 10714      | 09/25/2008 | 10:52:10 | 0.053                     |
| 10715      | 09/25/2008 | 10:52:11 | 0.054                     |
| 10716      | 09/25/2008 | 10:52:12 | 0.055                     |
| 10717      | 09/25/2008 | 10:52:13 | 0.067                     |
| 10718      | 09/25/2008 | 10:52:14 | 0.054                     |
| 10719      | 09/25/2008 | 10:52:15 | 0.054                     |
| 10720      | 09/25/2008 | 10:52:16 | 0.054                     |
| 10721      | 09/25/2008 | 10:52:17 | 0.053                     |
| 10722      | 09/25/2008 | 10:52:18 | 0.054                     |
| 10723      | 09/25/2008 | 10:52:19 | 0.052                     |
| 10724      | 09/25/2008 | 10:52:20 | 0.061                     |
| 10725      | 09/25/2008 | 10:52:21 | 0.054                     |
| 10726      | 09/25/2008 | 10:52:22 | 0.054                     |
| 10727      | 09/25/2008 | 10:52:23 | 0.055                     |
| 10728      | 09/25/2008 | 10:52:24 | 0.051                     |
| 10729      | 09/25/2008 | 10:52:25 | 0.053                     |
| 10730      | 09/25/2008 | 10:52:26 | 0.049                     |
| 10731      | 09/25/2008 | 10:52:27 | 0.057                     |
| 10732      | 09/25/2008 | 10:52:28 | 0.049                     |
| 10733      | 09/25/2008 | 10:52:29 | 0.053                     |
| 10734      | 09/25/2008 | 10:52:30 | 0.053                     |
| 10735      | 09/25/2008 | 10:52:31 | 0.058                     |
| 10736      | 09/25/2008 | 10:52:32 | 0.061                     |
| 10737      | 09/25/2008 | 10:52:33 | 0.055                     |
| 10738      | 09/25/2008 | 10:52:34 | 0.049                     |
| 10739      | 09/25/2008 | 10:52:35 | 0.056                     |
| 10740      | 09/25/2008 | 10:52:36 | 0.057                     |
| 10741      | 09/25/2008 | 10:52:37 | 0.055                     |
| 10742      | 09/25/2008 | 10:52:38 | 0.057                     |
| 10743      | 09/25/2008 | 10:52:39 | 0.060                     |
| 10744      | 09/25/2008 | 10:52:40 | 0.054                     |
| 10745      | 09/25/2008 | 10:52:41 | 0.050                     |
| 10746      | 09/25/2008 | 10:52:42 | 0.056                     |
| 10747      | 09/25/2008 | 10:52:43 | 0.050                     |
| 10748      | 09/25/2008 | 10:52:44 | 0.052                     |
| 10749      | 09/25/2008 | 10:52:45 | 0.057                     |
| 10750      | 09/25/2008 | 10:52:46 | 0.052                     |
| 10751      | 09/25/2008 | 10:52:47 | 0.064                     |
| 10752      | 09/25/2008 | 10:52:48 | 0.087                     |
| 10753      | 09/25/2008 | 10:52:49 | 0.057                     |
| 10754      | 09/25/2008 | 10:52:50 | 0.064                     |
| 10755      | 09/25/2008 | 10:52:51 | 0.051                     |
| 10756      | 09/25/2008 | 10:52:52 | 0.059                     |
| 10757      | 09/25/2008 | 10:52:53 | 0.056                     |
| 10758      | 09/25/2008 | 10:52:54 | 0.055                     |
| 10759      | 09/25/2008 | 10:52:55 | 0.050                     |
| 10760      | 09/25/2008 | 10:52:56 | 0.056                     |
| 10761      | 09/25/2008 | 10:52:57 | 0.053                     |
| 10762      | 09/25/2008 | 10:52:58 | 0.055                     |
| 10763      | 09/25/2008 | 10:52:59 | 0.057                     |
| 10764      | 09/25/2008 | 10:53:00 | 0.052                     |
| 10765      | 09/25/2008 | 10:53:01 | 0.051                     |
| 10766      | 09/25/2008 | 10:53:02 | 0.050                     |
| 10767      | 09/25/2008 | 10:53:03 | 0.100                     |
| 10768      | 09/25/2008 | 10:53:04 | 0.053                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 10769      | 09/25/2008 | 10:53:05 | 0.054                     |
| 10770      | 09/25/2008 | 10:53:06 | 0.051                     |
| 10771      | 09/25/2008 | 10:53:07 | 0.052                     |
| 10772      | 09/25/2008 | 10:53:08 | 0.062                     |
| 10773      | 09/25/2008 | 10:53:09 | 0.064                     |
| 10774      | 09/25/2008 | 10:53:10 | 0.051                     |
| 10775      | 09/25/2008 | 10:53:11 | 0.053                     |
| 10776      | 09/25/2008 | 10:53:12 | 0.054                     |
| 10777      | 09/25/2008 | 10:53:13 | 0.060                     |
| 10778      | 09/25/2008 | 10:53:14 | 0.053                     |
| 10779      | 09/25/2008 | 10:53:15 | 0.057                     |
| 10780      | 09/25/2008 | 10:53:16 | 0.094                     |
| 10781      | 09/25/2008 | 10:53:17 | 0.054                     |
| 10782      | 09/25/2008 | 10:53:18 | 0.055                     |
| 10783      | 09/25/2008 | 10:53:19 | 0.055                     |
| 10784      | 09/25/2008 | 10:53:20 | 0.079                     |
| 10785      | 09/25/2008 | 10:53:21 | 0.056                     |
| 10786      | 09/25/2008 | 10:53:22 | 0.058                     |
| 10787      | 09/25/2008 | 10:53:23 | 0.058                     |
| 10788      | 09/25/2008 | 10:53:24 | 0.054                     |
| 10789      | 09/25/2008 | 10:53:25 | 0.057                     |
| 10790      | 09/25/2008 | 10:53:26 | 0.053                     |
| 10791      | 09/25/2008 | 10:53:27 | 0.050                     |
| 10792      | 09/25/2008 | 10:53:28 | 0.055                     |
| 10793      | 09/25/2008 | 10:53:29 | 0.052                     |
| 10794      | 09/25/2008 | 10:53:30 | 0.055                     |
| 10795      | 09/25/2008 | 10:53:31 | 0.055                     |
| 10796      | 09/25/2008 | 10:53:32 | 0.053                     |
| 10797      | 09/25/2008 | 10:53:33 | 0.055                     |
| 10798      | 09/25/2008 | 10:53:34 | 0.054                     |
| 10799      | 09/25/2008 | 10:53:35 | 0.051                     |
| 10800      | 09/25/2008 | 10:53:36 | 0.053                     |
| 10801      | 09/25/2008 | 10:53:37 | 0.057                     |
| 10802      | 09/25/2008 | 10:53:38 | 0.055                     |
| 10803      | 09/25/2008 | 10:53:39 | 0.052                     |
| 10804      | 09/25/2008 | 10:53:40 | 0.052                     |
| 10805      | 09/25/2008 | 10:53:41 | 0.054                     |
| 10806      | 09/25/2008 | 10:53:42 | 0.054                     |
| 10807      | 09/25/2008 | 10:53:43 | 0.056                     |
| 10808      | 09/25/2008 | 10:53:44 | 0.052                     |
| 10809      | 09/25/2008 | 10:53:45 | 0.063                     |
| 10810      | 09/25/2008 | 10:53:46 | 0.059                     |
| 10811      | 09/25/2008 | 10:53:47 | 0.059                     |
| 10812      | 09/25/2008 | 10:53:48 | 0.056                     |
| 10813      | 09/25/2008 | 10:53:49 | 0.048                     |
| 10814      | 09/25/2008 | 10:53:50 | 0.057                     |
| 10815      | 09/25/2008 | 10:53:51 | 0.053                     |
| 10816      | 09/25/2008 | 10:53:52 | 0.057                     |
| 10817      | 09/25/2008 | 10:53:53 | 0.056                     |
| 10818      | 09/25/2008 | 10:53:54 | 0.050                     |
| 10819      | 09/25/2008 | 10:53:55 | 0.054                     |
| 10820      | 09/25/2008 | 10:53:56 | 0.054                     |
| 10821      | 09/25/2008 | 10:53:57 | 0.053                     |
| 10822      | 09/25/2008 | 10:53:58 | 0.050                     |
| 10823      | 09/25/2008 | 10:53:59 | 0.055                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 10824      | 09/25/2008 | 10:54:00 | 0.055                     |
| 10825      | 09/25/2008 | 10:54:01 | 0.052                     |
| 10826      | 09/25/2008 | 10:54:02 | 0.052                     |
| 10827      | 09/25/2008 | 10:54:03 | 0.059                     |
| 10828      | 09/25/2008 | 10:54:04 | 0.056                     |
| 10829      | 09/25/2008 | 10:54:05 | 0.067                     |
| 10830      | 09/25/2008 | 10:54:06 | 0.048                     |
| 10831      | 09/25/2008 | 10:54:07 | 0.052                     |
| 10832      | 09/25/2008 | 10:54:08 | 0.056                     |
| 10833      | 09/25/2008 | 10:54:09 | 0.053                     |
| 10834      | 09/25/2008 | 10:54:10 | 0.053                     |
| 10835      | 09/25/2008 | 10:54:11 | 0.056                     |
| 10836      | 09/25/2008 | 10:54:12 | 0.056                     |
| 10837      | 09/25/2008 | 10:54:13 | 0.054                     |
| 10838      | 09/25/2008 | 10:54:14 | 0.056                     |
| 10839      | 09/25/2008 | 10:54:15 | 0.055                     |
| 10840      | 09/25/2008 | 10:54:16 | 0.055                     |
| 10841      | 09/25/2008 | 10:54:17 | 0.054                     |
| 10842      | 09/25/2008 | 10:54:18 | 0.053                     |
| 10843      | 09/25/2008 | 10:54:19 | 0.051                     |
| 10844      | 09/25/2008 | 10:54:20 | 0.056                     |
| 10845      | 09/25/2008 | 10:54:21 | 0.053                     |
| 10846      | 09/25/2008 | 10:54:22 | 0.053                     |
| 10847      | 09/25/2008 | 10:54:23 | 0.053                     |
| 10848      | 09/25/2008 | 10:54:24 | 0.053                     |
| 10849      | 09/25/2008 | 10:54:25 | 0.056                     |
| 10850      | 09/25/2008 | 10:54:26 | 0.066                     |
| 10851      | 09/25/2008 | 10:54:27 | 0.054                     |
| 10852      | 09/25/2008 | 10:54:28 | 0.056                     |
| 10853      | 09/25/2008 | 10:54:29 | 0.057                     |
| 10854      | 09/25/2008 | 10:54:30 | 0.051                     |
| 10855      | 09/25/2008 | 10:54:31 | 0.064                     |
| 10856      | 09/25/2008 | 10:54:32 | 0.051                     |
| 10857      | 09/25/2008 | 10:54:33 | 0.053                     |
| 10858      | 09/25/2008 | 10:54:34 | 0.065                     |
| 10859      | 09/25/2008 | 10:54:35 | 0.060                     |
| 10860      | 09/25/2008 | 10:54:36 | 0.055                     |
| 10861      | 09/25/2008 | 10:54:37 | 0.057                     |
| 10862      | 09/25/2008 | 10:54:38 | 0.053                     |
| 10863      | 09/25/2008 | 10:54:39 | 0.058                     |
| 10864      | 09/25/2008 | 10:54:40 | 0.086                     |
| 10865      | 09/25/2008 | 10:54:41 | 0.087                     |
| 10866      | 09/25/2008 | 10:54:42 | 0.061                     |
| 10867      | 09/25/2008 | 10:54:43 | 0.082                     |
| 10868      | 09/25/2008 | 10:54:44 | 0.091                     |
| 10869      | 09/25/2008 | 10:54:45 | 0.069                     |
| 10870      | 09/25/2008 | 10:54:46 | 0.081                     |
| 10871      | 09/25/2008 | 10:54:47 | 0.112                     |
| 10872      | 09/25/2008 | 10:54:48 | 0.084                     |
| 10873      | 09/25/2008 | 10:54:49 | 0.082                     |
| 10874      | 09/25/2008 | 10:54:50 | 0.089                     |
| 10875      | 09/25/2008 | 10:54:51 | 0.079                     |
| 10876      | 09/25/2008 | 10:54:52 | 0.068                     |
| 10877      | 09/25/2008 | 10:54:53 | 0.059                     |
| 10878      | 09/25/2008 | 10:54:54 | 0.097                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 10879      | 09/25/2008 | 10:54:55 | 0.059                     |
| 10880      | 09/25/2008 | 10:54:56 | 0.067                     |
| 10881      | 09/25/2008 | 10:54:57 | 0.059                     |
| 10882      | 09/25/2008 | 10:54:58 | 0.061                     |
| 10883      | 09/25/2008 | 10:54:59 | 0.056                     |
| 10884      | 09/25/2008 | 10:55:00 | 0.058                     |
| 10885      | 09/25/2008 | 10:55:01 | 0.056                     |
| 10886      | 09/25/2008 | 10:55:02 | 0.057                     |
| 10887      | 09/25/2008 | 10:55:03 | 0.051                     |
| 10888      | 09/25/2008 | 10:55:04 | 0.053                     |
| 10889      | 09/25/2008 | 10:55:05 | 0.053                     |
| 10890      | 09/25/2008 | 10:55:06 | 0.051                     |
| 10891      | 09/25/2008 | 10:55:07 | 0.056                     |
| 10892      | 09/25/2008 | 10:55:08 | 0.057                     |
| 10893      | 09/25/2008 | 10:55:09 | 0.065                     |
| 10894      | 09/25/2008 | 10:55:10 | 0.067                     |
| 10895      | 09/25/2008 | 10:55:11 | 0.065                     |
| 10896      | 09/25/2008 | 10:55:12 | 0.073                     |
| 10897      | 09/25/2008 | 10:55:13 | 0.074                     |
| 10898      | 09/25/2008 | 10:55:14 | 0.085                     |
| 10899      | 09/25/2008 | 10:55:15 | 0.058                     |
| 10900      | 09/25/2008 | 10:55:16 | 0.065                     |
| 10901      | 09/25/2008 | 10:55:17 | 0.060                     |
| 10902      | 09/25/2008 | 10:55:18 | 0.057                     |
| 10903      | 09/25/2008 | 10:55:19 | 0.054                     |
| 10904      | 09/25/2008 | 10:55:20 | 0.059                     |
| 10905      | 09/25/2008 | 10:55:21 | 0.053                     |
| 10906      | 09/25/2008 | 10:55:22 | 0.059                     |
| 10907      | 09/25/2008 | 10:55:23 | 0.053                     |
| 10908      | 09/25/2008 | 10:55:24 | 0.101                     |
| 10909      | 09/25/2008 | 10:55:25 | 0.110                     |
| 10910      | 09/25/2008 | 10:55:26 | 0.082                     |
| 10911      | 09/25/2008 | 10:55:27 | 0.060                     |
| 10912      | 09/25/2008 | 10:55:28 | 0.063                     |
| 10913      | 09/25/2008 | 10:55:29 | 0.062                     |
| 10914      | 09/25/2008 | 10:55:30 | 0.060                     |
| 10915      | 09/25/2008 | 10:55:31 | 0.063                     |
| 10916      | 09/25/2008 | 10:55:32 | 0.052                     |
| 10917      | 09/25/2008 | 10:55:33 | 0.059                     |
| 10918      | 09/25/2008 | 10:55:34 | 0.056                     |
| 10919      | 09/25/2008 | 10:55:35 | 0.054                     |
| 10920      | 09/25/2008 | 10:55:36 | 0.061                     |
| 10921      | 09/25/2008 | 10:55:37 | 0.051                     |
| 10922      | 09/25/2008 | 10:55:38 | 0.088                     |
| 10923      | 09/25/2008 | 10:55:39 | 0.057                     |
| 10924      | 09/25/2008 | 10:55:40 | 0.058                     |
| 10925      | 09/25/2008 | 10:55:41 | 0.053                     |
| 10926      | 09/25/2008 | 10:55:42 | 0.058                     |
| 10927      | 09/25/2008 | 10:55:43 | 0.059                     |
| 10928      | 09/25/2008 | 10:55:44 | 0.051                     |
| 10929      | 09/25/2008 | 10:55:45 | 0.060                     |
| 10930      | 09/25/2008 | 10:55:46 | 0.056                     |
| 10931      | 09/25/2008 | 10:55:47 | 0.049                     |
| 10932      | 09/25/2008 | 10:55:48 | 0.053                     |
| 10933      | 09/25/2008 | 10:55:49 | 0.053                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 10934      | 09/25/2008 | 10:55:50 | 0.054                     |
| 10935      | 09/25/2008 | 10:55:51 | 0.065                     |
| 10936      | 09/25/2008 | 10:55:52 | 0.052                     |
| 10937      | 09/25/2008 | 10:55:53 | 0.052                     |
| 10938      | 09/25/2008 | 10:55:54 | 0.056                     |
| 10939      | 09/25/2008 | 10:55:55 | 0.061                     |
| 10940      | 09/25/2008 | 10:55:56 | 0.061                     |
| 10941      | 09/25/2008 | 10:55:57 | 0.056                     |
| 10942      | 09/25/2008 | 10:55:58 | 0.061                     |
| 10943      | 09/25/2008 | 10:55:59 | 0.050                     |
| 10944      | 09/25/2008 | 10:56:00 | 0.057                     |
| 10945      | 09/25/2008 | 10:56:01 | 0.054                     |
| 10946      | 09/25/2008 | 10:56:02 | 0.052                     |
| 10947      | 09/25/2008 | 10:56:03 | 0.052                     |
| 10948      | 09/25/2008 | 10:56:04 | 0.059                     |
| 10949      | 09/25/2008 | 10:56:05 | 0.066                     |
| 10950      | 09/25/2008 | 10:56:06 | 0.054                     |
| 10951      | 09/25/2008 | 10:56:07 | 0.053                     |
| 10952      | 09/25/2008 | 10:56:08 | 0.055                     |
| 10953      | 09/25/2008 | 10:56:09 | 0.057                     |
| 10954      | 09/25/2008 | 10:56:10 | 0.055                     |
| 10955      | 09/25/2008 | 10:56:11 | 0.059                     |
| 10956      | 09/25/2008 | 10:56:12 | 0.052                     |
| 10957      | 09/25/2008 | 10:56:13 | 0.056                     |
| 10958      | 09/25/2008 | 10:56:14 | 0.056                     |
| 10959      | 09/25/2008 | 10:56:15 | 0.049                     |
| 10960      | 09/25/2008 | 10:56:16 | 0.056                     |
| 10961      | 09/25/2008 | 10:56:17 | 0.054                     |
| 10962      | 09/25/2008 | 10:56:18 | 0.053                     |
| 10963      | 09/25/2008 | 10:56:19 | 0.056                     |
| 10964      | 09/25/2008 | 10:56:20 | 0.049                     |
| 10965      | 09/25/2008 | 10:56:21 | 0.051                     |
| 10966      | 09/25/2008 | 10:56:22 | 0.051                     |
| 10967      | 09/25/2008 | 10:56:23 | 0.057                     |
| 10968      | 09/25/2008 | 10:56:24 | 0.056                     |
| 10969      | 09/25/2008 | 10:56:25 | 0.061                     |
| 10970      | 09/25/2008 | 10:56:26 | 0.056                     |
| 10971      | 09/25/2008 | 10:56:27 | 0.049                     |
| 10972      | 09/25/2008 | 10:56:28 | 0.052                     |
| 10973      | 09/25/2008 | 10:56:29 | 0.054                     |
| 10974      | 09/25/2008 | 10:56:30 | 0.054                     |
| 10975      | 09/25/2008 | 10:56:31 | 0.047                     |
| 10976      | 09/25/2008 | 10:56:32 | 0.053                     |
| 10977      | 09/25/2008 | 10:56:33 | 0.053                     |
| 10978      | 09/25/2008 | 10:56:34 | 0.057                     |
| 10979      | 09/25/2008 | 10:56:35 | 0.060                     |
| 10980      | 09/25/2008 | 10:56:36 | 0.051                     |
| 10981      | 09/25/2008 | 10:56:37 | 0.057                     |
| 10982      | 09/25/2008 | 10:56:38 | 0.054                     |
| 10983      | 09/25/2008 | 10:56:39 | 0.078                     |
| 10984      | 09/25/2008 | 10:56:40 | 0.071                     |
| 10985      | 09/25/2008 | 10:56:41 | 0.719                     |
| 10986      | 09/25/2008 | 10:56:42 | 0.813                     |
| 10987      | 09/25/2008 | 10:56:43 | 0.206                     |
| 10988      | 09/25/2008 | 10:56:44 | 0.135                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 10989      | 09/25/2008 | 10:56:45 | 0.084                     |
| 10990      | 09/25/2008 | 10:56:46 | 0.100                     |
| 10991      | 09/25/2008 | 10:56:47 | 0.077                     |
| 10992      | 09/25/2008 | 10:56:48 | 0.073                     |
| 10993      | 09/25/2008 | 10:56:49 | 0.091                     |
| 10994      | 09/25/2008 | 10:56:50 | 0.065                     |
| 10995      | 09/25/2008 | 10:56:51 | 0.072                     |
| 10996      | 09/25/2008 | 10:56:52 | 0.062                     |
| 10997      | 09/25/2008 | 10:56:53 | 0.072                     |
| 10998      | 09/25/2008 | 10:56:54 | 0.065                     |
| 10999      | 09/25/2008 | 10:56:55 | 0.065                     |
| 11000      | 09/25/2008 | 10:56:56 | 0.057                     |
| 11001      | 09/25/2008 | 10:56:57 | 0.112                     |
| 11002      | 09/25/2008 | 10:56:58 | 0.203                     |
| 11003      | 09/25/2008 | 10:56:59 | 0.124                     |
| 11004      | 09/25/2008 | 10:57:00 | 0.145                     |
| 11005      | 09/25/2008 | 10:57:01 | 0.164                     |
| 11006      | 09/25/2008 | 10:57:02 | 0.092                     |
| 11007      | 09/25/2008 | 10:57:03 | 0.064                     |
| 11008      | 09/25/2008 | 10:57:04 | 0.060                     |
| 11009      | 09/25/2008 | 10:57:05 | 0.068                     |
| 11010      | 09/25/2008 | 10:57:06 | 0.068                     |
| 11011      | 09/25/2008 | 10:57:07 | 0.063                     |
| 11012      | 09/25/2008 | 10:57:08 | 0.063                     |
| 11013      | 09/25/2008 | 10:57:09 | 0.062                     |
| 11014      | 09/25/2008 | 10:57:10 | 0.057                     |
| 11015      | 09/25/2008 | 10:57:11 | 0.059                     |
| 11016      | 09/25/2008 | 10:57:12 | 0.055                     |
| 11017      | 09/25/2008 | 10:57:13 | 0.118                     |
| 11018      | 09/25/2008 | 10:57:14 | 0.071                     |
| 11019      | 09/25/2008 | 10:57:15 | 0.057                     |
| 11020      | 09/25/2008 | 10:57:16 | 0.120                     |
| 11021      | 09/25/2008 | 10:57:17 | 0.134                     |
| 11022      | 09/25/2008 | 10:57:18 | 0.086                     |
| 11023      | 09/25/2008 | 10:57:19 | 0.062                     |
| 11024      | 09/25/2008 | 10:57:20 | 0.063                     |
| 11025      | 09/25/2008 | 10:57:21 | 0.063                     |
| 11026      | 09/25/2008 | 10:57:22 | 0.060                     |
| 11027      | 09/25/2008 | 10:57:23 | 0.067                     |
| 11028      | 09/25/2008 | 10:57:24 | 0.061                     |
| 11029      | 09/25/2008 | 10:57:25 | 0.066                     |
| 11030      | 09/25/2008 | 10:57:26 | 0.056                     |
| 11031      | 09/25/2008 | 10:57:27 | 0.055                     |
| 11032      | 09/25/2008 | 10:57:28 | 0.058                     |
| 11033      | 09/25/2008 | 10:57:29 | 0.073                     |
| 11034      | 09/25/2008 | 10:57:30 | 0.195                     |
| 11035      | 09/25/2008 | 10:57:31 | 0.059                     |
| 11036      | 09/25/2008 | 10:57:32 | 0.054                     |
| 11037      | 09/25/2008 | 10:57:33 | 0.057                     |
| 11038      | 09/25/2008 | 10:57:34 | 0.058                     |
| 11039      | 09/25/2008 | 10:57:35 | 0.055                     |
| 11040      | 09/25/2008 | 10:57:36 | 0.056                     |
| 11041      | 09/25/2008 | 10:57:37 | 0.059                     |
| 11042      | 09/25/2008 | 10:57:38 | 0.056                     |
| 11043      | 09/25/2008 | 10:57:39 | 0.053                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 11044      | 09/25/2008 | 10:57:40 | 0.053                     |
| 11045      | 09/25/2008 | 10:57:41 | 0.057                     |
| 11046      | 09/25/2008 | 10:57:42 | 0.058                     |
| 11047      | 09/25/2008 | 10:57:43 | 0.058                     |
| 11048      | 09/25/2008 | 10:57:44 | 0.053                     |
| 11049      | 09/25/2008 | 10:57:45 | 0.054                     |
| 11050      | 09/25/2008 | 10:57:46 | 0.053                     |
| 11051      | 09/25/2008 | 10:57:47 | 0.056                     |
| 11052      | 09/25/2008 | 10:57:48 | 0.063                     |
| 11053      | 09/25/2008 | 10:57:49 | 0.063                     |
| 11054      | 09/25/2008 | 10:57:50 | 0.061                     |
| 11055      | 09/25/2008 | 10:57:51 | 0.053                     |
| 11056      | 09/25/2008 | 10:57:52 | 0.052                     |
| 11057      | 09/25/2008 | 10:57:53 | 0.055                     |
| 11058      | 09/25/2008 | 10:57:54 | 0.055                     |
| 11059      | 09/25/2008 | 10:57:55 | 0.056                     |
| 11060      | 09/25/2008 | 10:57:56 | 0.059                     |
| 11061      | 09/25/2008 | 10:57:57 | 0.062                     |
| 11062      | 09/25/2008 | 10:57:58 | 0.051                     |
| 11063      | 09/25/2008 | 10:57:59 | 0.052                     |
| 11064      | 09/25/2008 | 10:58:00 | 0.063                     |
| 11065      | 09/25/2008 | 10:58:01 | 0.050                     |
| 11066      | 09/25/2008 | 10:58:02 | 0.057                     |
| 11067      | 09/25/2008 | 10:58:03 | 0.054                     |
| 11068      | 09/25/2008 | 10:58:04 | 0.075                     |
| 11069      | 09/25/2008 | 10:58:05 | 0.054                     |
| 11070      | 09/25/2008 | 10:58:06 | 0.055                     |
| 11071      | 09/25/2008 | 10:58:07 | 0.064                     |
| 11072      | 09/25/2008 | 10:58:08 | 0.049                     |
| 11073      | 09/25/2008 | 10:58:09 | 0.053                     |
| 11074      | 09/25/2008 | 10:58:10 | 0.058                     |
| 11075      | 09/25/2008 | 10:58:11 | 0.067                     |
| 11076      | 09/25/2008 | 10:58:12 | 0.061                     |
| 11077      | 09/25/2008 | 10:58:13 | 0.069                     |
| 11078      | 09/25/2008 | 10:58:14 | 0.052                     |
| 11079      | 09/25/2008 | 10:58:15 | 0.055                     |
| 11080      | 09/25/2008 | 10:58:16 | 0.060                     |
| 11081      | 09/25/2008 | 10:58:17 | 0.053                     |
| 11082      | 09/25/2008 | 10:58:18 | 0.053                     |
| 11083      | 09/25/2008 | 10:58:19 | 0.074                     |
| 11084      | 09/25/2008 | 10:58:20 | 0.058                     |
| 11085      | 09/25/2008 | 10:58:21 | 0.053                     |
| 11086      | 09/25/2008 | 10:58:22 | 0.050                     |
| 11087      | 09/25/2008 | 10:58:23 | 0.056                     |
| 11088      | 09/25/2008 | 10:58:24 | 0.054                     |
| 11089      | 09/25/2008 | 10:58:25 | 0.055                     |
| 11090      | 09/25/2008 | 10:58:26 | 0.054                     |
| 11091      | 09/25/2008 | 10:58:27 | 0.055                     |
| 11092      | 09/25/2008 | 10:58:28 | 0.057                     |
| 11093      | 09/25/2008 | 10:58:29 | 0.052                     |
| 11094      | 09/25/2008 | 10:58:30 | 0.053                     |
| 11095      | 09/25/2008 | 10:58:31 | 0.057                     |
| 11096      | 09/25/2008 | 10:58:32 | 0.061                     |
| 11097      | 09/25/2008 | 10:58:33 | 0.054                     |
| 11098      | 09/25/2008 | 10:58:34 | 0.062                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 11099      | 09/25/2008 | 10:58:35 | 0.056                     |
| 11100      | 09/25/2008 | 10:58:36 | 0.059                     |
| 11101      | 09/25/2008 | 10:58:37 | 0.058                     |
| 11102      | 09/25/2008 | 10:58:38 | 0.053                     |
| 11103      | 09/25/2008 | 10:58:39 | 0.053                     |
| 11104      | 09/25/2008 | 10:58:40 | 0.056                     |
| 11105      | 09/25/2008 | 10:58:41 | 0.058                     |
| 11106      | 09/25/2008 | 10:58:42 | 0.054                     |
| 11107      | 09/25/2008 | 10:58:43 | 0.078                     |
| 11108      | 09/25/2008 | 10:58:44 | 0.055                     |
| 11109      | 09/25/2008 | 10:58:45 | 0.088                     |
| 11110      | 09/25/2008 | 10:58:46 | 0.053                     |
| 11111      | 09/25/2008 | 10:58:47 | 0.058                     |
| 11112      | 09/25/2008 | 10:58:48 | 0.066                     |
| 11113      | 09/25/2008 | 10:58:49 | 0.056                     |
| 11114      | 09/25/2008 | 10:58:50 | 0.060                     |
| 11115      | 09/25/2008 | 10:58:51 | 0.053                     |
| 11116      | 09/25/2008 | 10:58:52 | 0.163                     |
| 11117      | 09/25/2008 | 10:58:53 | 0.052                     |
| 11118      | 09/25/2008 | 10:58:54 | 0.056                     |
| 11119      | 09/25/2008 | 10:58:55 | 0.054                     |
| 11120      | 09/25/2008 | 10:58:56 | 0.057                     |
| 11121      | 09/25/2008 | 10:58:57 | 0.056                     |
| 11122      | 09/25/2008 | 10:58:58 | 0.073                     |
| 11123      | 09/25/2008 | 10:58:59 | 0.063                     |
| 11124      | 09/25/2008 | 10:59:00 | 0.052                     |
| 11125      | 09/25/2008 | 10:59:01 | 0.053                     |
| 11126      | 09/25/2008 | 10:59:02 | 0.052                     |
| 11127      | 09/25/2008 | 10:59:03 | 0.060                     |
| 11128      | 09/25/2008 | 10:59:04 | 0.064                     |
| 11129      | 09/25/2008 | 10:59:05 | 0.087                     |
| 11130      | 09/25/2008 | 10:59:06 | 0.059                     |
| 11131      | 09/25/2008 | 10:59:07 | 0.062                     |
| 11132      | 09/25/2008 | 10:59:08 | 0.063                     |
| 11133      | 09/25/2008 | 10:59:09 | 0.068                     |
| 11134      | 09/25/2008 | 10:59:10 | 0.066                     |
| 11135      | 09/25/2008 | 10:59:11 | 0.055                     |
| 11136      | 09/25/2008 | 10:59:12 | 0.050                     |
| 11137      | 09/25/2008 | 10:59:13 | 0.057                     |
| 11138      | 09/25/2008 | 10:59:14 | 0.060                     |
| 11139      | 09/25/2008 | 10:59:15 | 0.053                     |
| 11140      | 09/25/2008 | 10:59:16 | 0.054                     |
| 11141      | 09/25/2008 | 10:59:17 | 0.059                     |
| 11142      | 09/25/2008 | 10:59:18 | 0.054                     |
| 11143      | 09/25/2008 | 10:59:19 | 0.050                     |
| 11144      | 09/25/2008 | 10:59:20 | 0.054                     |
| 11145      | 09/25/2008 | 10:59:21 | 0.052                     |
| 11146      | 09/25/2008 | 10:59:22 | 0.058                     |
| 11147      | 09/25/2008 | 10:59:23 | 0.065                     |
| 11148      | 09/25/2008 | 10:59:24 | 0.050                     |
| 11149      | 09/25/2008 | 10:59:25 | 0.055                     |
| 11150      | 09/25/2008 | 10:59:26 | 0.064                     |
| 11151      | 09/25/2008 | 10:59:27 | 0.058                     |
| 11152      | 09/25/2008 | 10:59:28 | 0.055                     |
| 11153      | 09/25/2008 | 10:59:29 | 0.050                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 11154      | 09/25/2008 | 10:59:30 | 0.054                     |
| 11155      | 09/25/2008 | 10:59:31 | 0.052                     |
| 11156      | 09/25/2008 | 10:59:32 | 0.057                     |
| 11157      | 09/25/2008 | 10:59:33 | 0.066                     |
| 11158      | 09/25/2008 | 10:59:34 | 0.054                     |
| 11159      | 09/25/2008 | 10:59:35 | 0.053                     |
| 11160      | 09/25/2008 | 10:59:36 | 0.052                     |
| 11161      | 09/25/2008 | 10:59:37 | 0.051                     |
| 11162      | 09/25/2008 | 10:59:38 | 0.078                     |
| 11163      | 09/25/2008 | 10:59:39 | 0.114                     |
| 11164      | 09/25/2008 | 10:59:40 | 0.049                     |
| 11165      | 09/25/2008 | 10:59:41 | 0.052                     |
| 11166      | 09/25/2008 | 10:59:42 | 0.054                     |
| 11167      | 09/25/2008 | 10:59:43 | 0.065                     |
| 11168      | 09/25/2008 | 10:59:44 | 0.056                     |
| 11169      | 09/25/2008 | 10:59:45 | 0.049                     |
| 11170      | 09/25/2008 | 10:59:46 | 0.074                     |
| 11171      | 09/25/2008 | 10:59:47 | 0.050                     |
| 11172      | 09/25/2008 | 10:59:48 | 0.054                     |
| 11173      | 09/25/2008 | 10:59:49 | 0.057                     |
| 11174      | 09/25/2008 | 10:59:50 | 0.057                     |
| 11175      | 09/25/2008 | 10:59:51 | 0.055                     |
| 11176      | 09/25/2008 | 10:59:52 | 0.055                     |
| 11177      | 09/25/2008 | 10:59:53 | 0.053                     |
| 11178      | 09/25/2008 | 10:59:54 | 0.058                     |
| 11179      | 09/25/2008 | 10:59:55 | 0.107                     |
| 11180      | 09/25/2008 | 10:59:56 | 0.048                     |
| 11181      | 09/25/2008 | 10:59:57 | 0.052                     |
| 11182      | 09/25/2008 | 10:59:58 | 0.052                     |
| 11183      | 09/25/2008 | 10:59:59 | 0.051                     |
| 11184      | 09/25/2008 | 11:00:00 | 0.054                     |
| 11185      | 09/25/2008 | 11:00:01 | 0.059                     |
| 11186      | 09/25/2008 | 11:00:02 | 0.056                     |
| 11187      | 09/25/2008 | 11:00:03 | 0.051                     |
| 11188      | 09/25/2008 | 11:00:04 | 0.054                     |
| 11189      | 09/25/2008 | 11:00:05 | 0.053                     |
| 11190      | 09/25/2008 | 11:00:06 | 0.054                     |
| 11191      | 09/25/2008 | 11:00:07 | 0.049                     |
| 11192      | 09/25/2008 | 11:00:08 | 0.050                     |
| 11193      | 09/25/2008 | 11:00:09 | 0.057                     |
| 11194      | 09/25/2008 | 11:00:10 | 0.053                     |
| 11195      | 09/25/2008 | 11:00:11 | 0.060                     |
| 11196      | 09/25/2008 | 11:00:12 | 0.051                     |
| 11197      | 09/25/2008 | 11:00:13 | 0.058                     |
| 11198      | 09/25/2008 | 11:00:14 | 0.052                     |
| 11199      | 09/25/2008 | 11:00:15 | 0.060                     |
| 11200      | 09/25/2008 | 11:00:16 | 0.060                     |
| 11201      | 09/25/2008 | 11:00:17 | 0.049                     |
| 11202      | 09/25/2008 | 11:00:18 | 0.077                     |
| 11203      | 09/25/2008 | 11:00:19 | 0.058                     |
| 11204      | 09/25/2008 | 11:00:20 | 0.057                     |
| 11205      | 09/25/2008 | 11:00:21 | 0.053                     |
| 11206      | 09/25/2008 | 11:00:22 | 0.050                     |
| 11207      | 09/25/2008 | 11:00:23 | 0.053                     |
| 11208      | 09/25/2008 | 11:00:24 | 0.067                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 11209      | 09/25/2008 | 11:00:25 | 0.053                     |
| 11210      | 09/25/2008 | 11:00:26 | 0.056                     |
| 11211      | 09/25/2008 | 11:00:27 | 0.054                     |
| 11212      | 09/25/2008 | 11:00:28 | 0.052                     |
| 11213      | 09/25/2008 | 11:00:29 | 0.052                     |
| 11214      | 09/25/2008 | 11:00:30 | 0.053                     |
| 11215      | 09/25/2008 | 11:00:31 | 0.057                     |
| 11216      | 09/25/2008 | 11:00:32 | 0.055                     |
| 11217      | 09/25/2008 | 11:00:33 | 0.060                     |
| 11218      | 09/25/2008 | 11:00:34 | 0.060                     |
| 11219      | 09/25/2008 | 11:00:35 | 0.056                     |
| 11220      | 09/25/2008 | 11:00:36 | 0.066                     |
| 11221      | 09/25/2008 | 11:00:37 | 0.065                     |
| 11222      | 09/25/2008 | 11:00:38 | 0.065                     |
| 11223      | 09/25/2008 | 11:00:39 | 0.057                     |
| 11224      | 09/25/2008 | 11:00:40 | 0.063                     |
| 11225      | 09/25/2008 | 11:00:41 | 0.062                     |
| 11226      | 09/25/2008 | 11:00:42 | 0.053                     |
| 11227      | 09/25/2008 | 11:00:43 | 0.059                     |
| 11228      | 09/25/2008 | 11:00:44 | 0.055                     |
| 11229      | 09/25/2008 | 11:00:45 | 0.056                     |
| 11230      | 09/25/2008 | 11:00:46 | 0.061                     |
| 11231      | 09/25/2008 | 11:00:47 | 0.057                     |
| 11232      | 09/25/2008 | 11:00:48 | 0.056                     |
| 11233      | 09/25/2008 | 11:00:49 | 0.054                     |
| 11234      | 09/25/2008 | 11:00:50 | 0.053                     |
| 11235      | 09/25/2008 | 11:00:51 | 0.053                     |
| 11236      | 09/25/2008 | 11:00:52 | 0.053                     |
| 11237      | 09/25/2008 | 11:00:53 | 0.056                     |
| 11238      | 09/25/2008 | 11:00:54 | 0.055                     |
| 11239      | 09/25/2008 | 11:00:55 | 0.052                     |
| 11240      | 09/25/2008 | 11:00:56 | 0.056                     |
| 11241      | 09/25/2008 | 11:00:57 | 0.051                     |
| 11242      | 09/25/2008 | 11:00:58 | 0.054                     |
| 11243      | 09/25/2008 | 11:00:59 | 0.053                     |
| 11244      | 09/25/2008 | 11:01:00 | 0.055                     |
| 11245      | 09/25/2008 | 11:01:01 | 0.050                     |
| 11246      | 09/25/2008 | 11:01:02 | 0.052                     |
| 11247      | 09/25/2008 | 11:01:03 | 0.051                     |
| 11248      | 09/25/2008 | 11:01:04 | 0.047                     |
| 11249      | 09/25/2008 | 11:01:05 | 0.055                     |
| 11250      | 09/25/2008 | 11:01:06 | 0.086                     |
| 11251      | 09/25/2008 | 11:01:07 | 0.052                     |
| 11252      | 09/25/2008 | 11:01:08 | 0.047                     |
| 11253      | 09/25/2008 | 11:01:09 | 0.056                     |
| 11254      | 09/25/2008 | 11:01:10 | 0.052                     |
| 11255      | 09/25/2008 | 11:01:11 | 0.053                     |
| 11256      | 09/25/2008 | 11:01:12 | 0.056                     |
| 11257      | 09/25/2008 | 11:01:13 | 0.054                     |
| 11258      | 09/25/2008 | 11:01:14 | 0.055                     |
| 11259      | 09/25/2008 | 11:01:15 | 0.050                     |
| 11260      | 09/25/2008 | 11:01:16 | 0.052                     |
| 11261      | 09/25/2008 | 11:01:17 | 0.052                     |
| 11262      | 09/25/2008 | 11:01:18 | 0.058                     |
| 11263      | 09/25/2008 | 11:01:19 | 0.051                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 11264      | 09/25/2008 | 11:01:20 | 0.083                     |
| 11265      | 09/25/2008 | 11:01:21 | 0.073                     |
| 11266      | 09/25/2008 | 11:01:22 | 0.051                     |
| 11267      | 09/25/2008 | 11:01:23 | 0.058                     |
| 11268      | 09/25/2008 | 11:01:24 | 0.050                     |
| 11269      | 09/25/2008 | 11:01:25 | 0.056                     |
| 11270      | 09/25/2008 | 11:01:26 | 0.053                     |
| 11271      | 09/25/2008 | 11:01:27 | 0.058                     |
| 11272      | 09/25/2008 | 11:01:28 | 0.055                     |
| 11273      | 09/25/2008 | 11:01:29 | 0.056                     |
| 11274      | 09/25/2008 | 11:01:30 | 0.051                     |
| 11275      | 09/25/2008 | 11:01:31 | 0.049                     |
| 11276      | 09/25/2008 | 11:01:32 | 0.055                     |
| 11277      | 09/25/2008 | 11:01:33 | 0.063                     |
| 11278      | 09/25/2008 | 11:01:34 | 0.056                     |
| 11279      | 09/25/2008 | 11:01:35 | 0.051                     |
| 11280      | 09/25/2008 | 11:01:36 | 0.049                     |
| 11281      | 09/25/2008 | 11:01:37 | 0.055                     |
| 11282      | 09/25/2008 | 11:01:38 | 0.049                     |
| 11283      | 09/25/2008 | 11:01:39 | 0.057                     |
| 11284      | 09/25/2008 | 11:01:40 | 0.054                     |
| 11285      | 09/25/2008 | 11:01:41 | 0.054                     |
| 11286      | 09/25/2008 | 11:01:42 | 0.053                     |
| 11287      | 09/25/2008 | 11:01:43 | 0.060                     |
| 11288      | 09/25/2008 | 11:01:44 | 0.054                     |
| 11289      | 09/25/2008 | 11:01:45 | 0.058                     |
| 11290      | 09/25/2008 | 11:01:46 | 0.052                     |
| 11291      | 09/25/2008 | 11:01:47 | 0.051                     |
| 11292      | 09/25/2008 | 11:01:48 | 0.057                     |
| 11293      | 09/25/2008 | 11:01:49 | 0.058                     |
| 11294      | 09/25/2008 | 11:01:50 | 0.052                     |
| 11295      | 09/25/2008 | 11:01:51 | 0.049                     |
| 11296      | 09/25/2008 | 11:01:52 | 0.050                     |
| 11297      | 09/25/2008 | 11:01:53 | 0.052                     |
| 11298      | 09/25/2008 | 11:01:54 | 0.053                     |
| 11299      | 09/25/2008 | 11:01:55 | 0.055                     |
| 11300      | 09/25/2008 | 11:01:56 | 0.056                     |
| 11301      | 09/25/2008 | 11:01:57 | 0.051                     |
| 11302      | 09/25/2008 | 11:01:58 | 0.050                     |
| 11303      | 09/25/2008 | 11:01:59 | 0.046                     |
| 11304      | 09/25/2008 | 11:02:00 | 0.053                     |
| 11305      | 09/25/2008 | 11:02:01 | 0.051                     |
| 11306      | 09/25/2008 | 11:02:02 | 0.053                     |
| 11307      | 09/25/2008 | 11:02:03 | 0.049                     |
| 11308      | 09/25/2008 | 11:02:04 | 0.048                     |
| 11309      | 09/25/2008 | 11:02:05 | 0.056                     |
| 11310      | 09/25/2008 | 11:02:06 | 0.054                     |
| 11311      | 09/25/2008 | 11:02:07 | 0.052                     |
| 11312      | 09/25/2008 | 11:02:08 | 0.052                     |
| 11313      | 09/25/2008 | 11:02:09 | 0.051                     |
| 11314      | 09/25/2008 | 11:02:10 | 0.054                     |
| 11315      | 09/25/2008 | 11:02:11 | 0.052                     |
| 11316      | 09/25/2008 | 11:02:12 | 0.057                     |
| 11317      | 09/25/2008 | 11:02:13 | 0.075                     |
| 11318      | 09/25/2008 | 11:02:14 | 0.063                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 11319      | 09/25/2008 | 11:02:15 | 0.072                     |
| 11320      | 09/25/2008 | 11:02:16 | 0.074                     |
| 11321      | 09/25/2008 | 11:02:17 | 0.070                     |
| 11322      | 09/25/2008 | 11:02:18 | 0.064                     |
| 11323      | 09/25/2008 | 11:02:19 | 0.067                     |
| 11324      | 09/25/2008 | 11:02:20 | 0.070                     |
| 11325      | 09/25/2008 | 11:02:21 | 0.065                     |
| 11326      | 09/25/2008 | 11:02:22 | 0.054                     |
| 11327      | 09/25/2008 | 11:02:23 | 0.055                     |
| 11328      | 09/25/2008 | 11:02:24 | 0.061                     |
| 11329      | 09/25/2008 | 11:02:25 | 0.055                     |
| 11330      | 09/25/2008 | 11:02:26 | 0.055                     |
| 11331      | 09/25/2008 | 11:02:27 | 0.055                     |
| 11332      | 09/25/2008 | 11:02:28 | 0.052                     |
| 11333      | 09/25/2008 | 11:02:29 | 0.057                     |
| 11334      | 09/25/2008 | 11:02:30 | 0.050                     |
| 11335      | 09/25/2008 | 11:02:31 | 0.056                     |
| 11336      | 09/25/2008 | 11:02:32 | 0.057                     |
| 11337      | 09/25/2008 | 11:02:33 | 0.057                     |
| 11338      | 09/25/2008 | 11:02:34 | 0.057                     |
| 11339      | 09/25/2008 | 11:02:35 | 0.109                     |
| 11340      | 09/25/2008 | 11:02:36 | 0.046                     |
| 11341      | 09/25/2008 | 11:02:37 | 0.053                     |
| 11342      | 09/25/2008 | 11:02:38 | 0.060                     |
| 11343      | 09/25/2008 | 11:02:39 | 0.064                     |
| 11344      | 09/25/2008 | 11:02:40 | 0.052                     |
| 11345      | 09/25/2008 | 11:02:41 | 0.056                     |
| 11346      | 09/25/2008 | 11:02:42 | 0.059                     |
| 11347      | 09/25/2008 | 11:02:43 | 0.054                     |
| 11348      | 09/25/2008 | 11:02:44 | 0.053                     |
| 11349      | 09/25/2008 | 11:02:45 | 0.054                     |
| 11350      | 09/25/2008 | 11:02:46 | 0.052                     |
| 11351      | 09/25/2008 | 11:02:47 | 0.049                     |
| 11352      | 09/25/2008 | 11:02:48 | 0.056                     |
| 11353      | 09/25/2008 | 11:02:49 | 0.049                     |
| 11354      | 09/25/2008 | 11:02:50 | 0.059                     |
| 11355      | 09/25/2008 | 11:02:51 | 0.049                     |
| 11356      | 09/25/2008 | 11:02:52 | 0.050                     |
| 11357      | 09/25/2008 | 11:02:53 | 0.052                     |
| 11358      | 09/25/2008 | 11:02:54 | 0.054                     |
| 11359      | 09/25/2008 | 11:02:55 | 0.050                     |
| 11360      | 09/25/2008 | 11:02:56 | 0.058                     |
| 11361      | 09/25/2008 | 11:02:57 | 0.052                     |
| 11362      | 09/25/2008 | 11:02:58 | 0.050                     |
| 11363      | 09/25/2008 | 11:02:59 | 0.062                     |
| 11364      | 09/25/2008 | 11:03:00 | 0.051                     |
| 11365      | 09/25/2008 | 11:03:01 | 0.057                     |
| 11366      | 09/25/2008 | 11:03:02 | 0.048                     |
| 11367      | 09/25/2008 | 11:03:03 | 0.057                     |
| 11368      | 09/25/2008 | 11:03:04 | 0.052                     |
| 11369      | 09/25/2008 | 11:03:05 | 0.053                     |
| 11370      | 09/25/2008 | 11:03:06 | 0.056                     |
| 11371      | 09/25/2008 | 11:03:07 | 0.054                     |
| 11372      | 09/25/2008 | 11:03:08 | 0.059                     |
| 11373      | 09/25/2008 | 11:03:09 | 0.050                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 11374      | 09/25/2008 | 11:03:10 | 0.059                     |
| 11375      | 09/25/2008 | 11:03:11 | 0.055                     |
| 11376      | 09/25/2008 | 11:03:12 | 0.051                     |
| 11377      | 09/25/2008 | 11:03:13 | 0.048                     |
| 11378      | 09/25/2008 | 11:03:14 | 0.055                     |
| 11379      | 09/25/2008 | 11:03:15 | 0.078                     |
| 11380      | 09/25/2008 | 11:03:16 | 0.056                     |
| 11381      | 09/25/2008 | 11:03:17 | 0.051                     |
| 11382      | 09/25/2008 | 11:03:18 | 0.061                     |
| 11383      | 09/25/2008 | 11:03:19 | 0.057                     |
| 11384      | 09/25/2008 | 11:03:20 | 0.054                     |
| 11385      | 09/25/2008 | 11:03:21 | 0.052                     |
| 11386      | 09/25/2008 | 11:03:22 | 0.105                     |
| 11387      | 09/25/2008 | 11:03:23 | 0.057                     |
| 11388      | 09/25/2008 | 11:03:24 | 0.066                     |
| 11389      | 09/25/2008 | 11:03:25 | 0.049                     |
| 11390      | 09/25/2008 | 11:03:26 | 0.055                     |
| 11391      | 09/25/2008 | 11:03:27 | 0.054                     |
| 11392      | 09/25/2008 | 11:03:28 | 0.052                     |
| 11393      | 09/25/2008 | 11:03:29 | 0.053                     |
| 11394      | 09/25/2008 | 11:03:30 | 0.054                     |
| 11395      | 09/25/2008 | 11:03:31 | 0.074                     |
| 11396      | 09/25/2008 | 11:03:32 | 0.056                     |
| 11397      | 09/25/2008 | 11:03:33 | 0.054                     |
| 11398      | 09/25/2008 | 11:03:34 | 0.055                     |
| 11399      | 09/25/2008 | 11:03:35 | 0.054                     |
| 11400      | 09/25/2008 | 11:03:36 | 0.050                     |
| 11401      | 09/25/2008 | 11:03:37 | 0.053                     |
| 11402      | 09/25/2008 | 11:03:38 | 0.052                     |
| 11403      | 09/25/2008 | 11:03:39 | 0.050                     |
| 11404      | 09/25/2008 | 11:03:40 | 0.050                     |
| 11405      | 09/25/2008 | 11:03:41 | 0.073                     |
| 11406      | 09/25/2008 | 11:03:42 | 0.050                     |
| 11407      | 09/25/2008 | 11:03:43 | 0.064                     |
| 11408      | 09/25/2008 | 11:03:44 | 0.051                     |
| 11409      | 09/25/2008 | 11:03:45 | 0.052                     |
| 11410      | 09/25/2008 | 11:03:46 | 0.054                     |
| 11411      | 09/25/2008 | 11:03:47 | 0.051                     |
| 11412      | 09/25/2008 | 11:03:48 | 0.053                     |
| 11413      | 09/25/2008 | 11:03:49 | 0.057                     |
| 11414      | 09/25/2008 | 11:03:50 | 0.049                     |
| 11415      | 09/25/2008 | 11:03:51 | 0.053                     |
| 11416      | 09/25/2008 | 11:03:52 | 0.054                     |
| 11417      | 09/25/2008 | 11:03:53 | 0.054                     |
| 11418      | 09/25/2008 | 11:03:54 | 0.053                     |
| 11419      | 09/25/2008 | 11:03:55 | 0.072                     |
| 11420      | 09/25/2008 | 11:03:56 | 0.053                     |
| 11421      | 09/25/2008 | 11:03:57 | 0.051                     |
| 11422      | 09/25/2008 | 11:03:58 | 0.055                     |
| 11423      | 09/25/2008 | 11:03:59 | 0.052                     |
| 11424      | 09/25/2008 | 11:04:00 | 0.053                     |
| 11425      | 09/25/2008 | 11:04:01 | 0.054                     |
| 11426      | 09/25/2008 | 11:04:02 | 0.051                     |
| 11427      | 09/25/2008 | 11:04:03 | 0.048                     |
| 11428      | 09/25/2008 | 11:04:04 | 0.065                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 11429      | 09/25/2008 | 11:04:05 | 0.059                     |
| 11430      | 09/25/2008 | 11:04:06 | 0.050                     |
| 11431      | 09/25/2008 | 11:04:07 | 0.055                     |
| 11432      | 09/25/2008 | 11:04:08 | 0.053                     |
| 11433      | 09/25/2008 | 11:04:09 | 0.051                     |
| 11434      | 09/25/2008 | 11:04:10 | 0.055                     |
| 11435      | 09/25/2008 | 11:04:11 | 0.057                     |
| 11436      | 09/25/2008 | 11:04:12 | 0.057                     |
| 11437      | 09/25/2008 | 11:04:13 | 0.051                     |
| 11438      | 09/25/2008 | 11:04:14 | 0.060                     |
| 11439      | 09/25/2008 | 11:04:15 | 0.055                     |
| 11440      | 09/25/2008 | 11:04:16 | 0.048                     |
| 11441      | 09/25/2008 | 11:04:17 | 0.055                     |
| 11442      | 09/25/2008 | 11:04:18 | 0.052                     |
| 11443      | 09/25/2008 | 11:04:19 | 0.056                     |
| 11444      | 09/25/2008 | 11:04:20 | 0.051                     |
| 11445      | 09/25/2008 | 11:04:21 | 0.058                     |
| 11446      | 09/25/2008 | 11:04:22 | 0.078                     |
| 11447      | 09/25/2008 | 11:04:23 | 0.051                     |
| 11448      | 09/25/2008 | 11:04:24 | 0.062                     |
| 11449      | 09/25/2008 | 11:04:25 | 0.054                     |
| 11450      | 09/25/2008 | 11:04:26 | 0.054                     |
| 11451      | 09/25/2008 | 11:04:27 | 0.055                     |
| 11452      | 09/25/2008 | 11:04:28 | 0.053                     |
| 11453      | 09/25/2008 | 11:04:29 | 0.046                     |
| 11454      | 09/25/2008 | 11:04:30 | 0.053                     |
| 11455      | 09/25/2008 | 11:04:31 | 0.055                     |
| 11456      | 09/25/2008 | 11:04:32 | 0.048                     |
| 11457      | 09/25/2008 | 11:04:33 | 0.053                     |
| 11458      | 09/25/2008 | 11:04:34 | 0.056                     |
| 11459      | 09/25/2008 | 11:04:35 | 0.055                     |
| 11460      | 09/25/2008 | 11:04:36 | 0.050                     |
| 11461      | 09/25/2008 | 11:04:37 | 0.054                     |
| 11462      | 09/25/2008 | 11:04:38 | 0.054                     |
| 11463      | 09/25/2008 | 11:04:39 | 0.054                     |
| 11464      | 09/25/2008 | 11:04:40 | 0.049                     |
| 11465      | 09/25/2008 | 11:04:41 | 0.054                     |
| 11466      | 09/25/2008 | 11:04:42 | 0.053                     |
| 11467      | 09/25/2008 | 11:04:43 | 0.050                     |
| 11468      | 09/25/2008 | 11:04:44 | 0.054                     |
| 11469      | 09/25/2008 | 11:04:45 | 0.049                     |
| 11470      | 09/25/2008 | 11:04:46 | 0.055                     |
| 11471      | 09/25/2008 | 11:04:47 | 0.052                     |
| 11472      | 09/25/2008 | 11:04:48 | 0.054                     |
| 11473      | 09/25/2008 | 11:04:49 | 0.048                     |
| 11474      | 09/25/2008 | 11:04:50 | 0.049                     |
| 11475      | 09/25/2008 | 11:04:51 | 0.055                     |
| 11476      | 09/25/2008 | 11:04:52 | 0.057                     |
| 11477      | 09/25/2008 | 11:04:53 | 0.055                     |
| 11478      | 09/25/2008 | 11:04:54 | 0.048                     |
| 11479      | 09/25/2008 | 11:04:55 | 0.050                     |
| 11480      | 09/25/2008 | 11:04:56 | 0.051                     |
| 11481      | 09/25/2008 | 11:04:57 | 0.065                     |
| 11482      | 09/25/2008 | 11:04:58 | 0.061                     |
| 11483      | 09/25/2008 | 11:04:59 | 0.051                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 11484      | 09/25/2008 | 11:05:00 | 0.055                     |
| 11485      | 09/25/2008 | 11:05:01 | 0.048                     |
| 11486      | 09/25/2008 | 11:05:02 | 0.052                     |
| 11487      | 09/25/2008 | 11:05:03 | 0.046                     |
| 11488      | 09/25/2008 | 11:05:04 | 0.052                     |
| 11489      | 09/25/2008 | 11:05:05 | 0.051                     |
| 11490      | 09/25/2008 | 11:05:06 | 0.051                     |
| 11491      | 09/25/2008 | 11:05:07 | 0.053                     |
| 11492      | 09/25/2008 | 11:05:08 | 0.051                     |
| 11493      | 09/25/2008 | 11:05:09 | 0.052                     |
| 11494      | 09/25/2008 | 11:05:10 | 0.054                     |
| 11495      | 09/25/2008 | 11:05:11 | 0.049                     |
| 11496      | 09/25/2008 | 11:05:12 | 0.053                     |
| 11497      | 09/25/2008 | 11:05:13 | 0.051                     |
| 11498      | 09/25/2008 | 11:05:14 | 0.051                     |
| 11499      | 09/25/2008 | 11:05:15 | 0.053                     |
| 11500      | 09/25/2008 | 11:05:16 | 0.052                     |
| 11501      | 09/25/2008 | 11:05:17 | 0.052                     |
| 11502      | 09/25/2008 | 11:05:18 | 0.051                     |
| 11503      | 09/25/2008 | 11:05:19 | 0.053                     |
| 11504      | 09/25/2008 | 11:05:20 | 0.049                     |
| 11505      | 09/25/2008 | 11:05:21 | 0.052                     |
| 11506      | 09/25/2008 | 11:05:22 | 0.048                     |
| 11507      | 09/25/2008 | 11:05:23 | 0.060                     |
| 11508      | 09/25/2008 | 11:05:24 | 0.069                     |
| 11509      | 09/25/2008 | 11:05:25 | 0.051                     |
| 11510      | 09/25/2008 | 11:05:26 | 0.050                     |
| 11511      | 09/25/2008 | 11:05:27 | 0.047                     |
| 11512      | 09/25/2008 | 11:05:28 | 0.050                     |
| 11513      | 09/25/2008 | 11:05:29 | 0.051                     |
| 11514      | 09/25/2008 | 11:05:30 | 0.052                     |
| 11515      | 09/25/2008 | 11:05:31 | 0.052                     |
| 11516      | 09/25/2008 | 11:05:32 | 0.054                     |
| 11517      | 09/25/2008 | 11:05:33 | 0.054                     |
| 11518      | 09/25/2008 | 11:05:34 | 0.054                     |
| 11519      | 09/25/2008 | 11:05:35 | 0.061                     |
| 11520      | 09/25/2008 | 11:05:36 | 0.055                     |
| 11521      | 09/25/2008 | 11:05:37 | 0.048                     |
| 11522      | 09/25/2008 | 11:05:38 | 0.050                     |
| 11523      | 09/25/2008 | 11:05:39 | 0.048                     |
| 11524      | 09/25/2008 | 11:05:40 | 0.049                     |
| 11525      | 09/25/2008 | 11:05:41 | 0.050                     |
| 11526      | 09/25/2008 | 11:05:42 | 0.051                     |
| 11527      | 09/25/2008 | 11:05:43 | 0.049                     |
| 11528      | 09/25/2008 | 11:05:44 | 0.049                     |
| 11529      | 09/25/2008 | 11:05:45 | 0.053                     |
| 11530      | 09/25/2008 | 11:05:46 | 0.052                     |
| 11531      | 09/25/2008 | 11:05:47 | 0.051                     |
| 11532      | 09/25/2008 | 11:05:48 | 0.051                     |
| 11533      | 09/25/2008 | 11:05:49 | 0.050                     |
| 11534      | 09/25/2008 | 11:05:50 | 0.049                     |
| 11535      | 09/25/2008 | 11:05:51 | 0.097                     |
| 11536      | 09/25/2008 | 11:05:52 | 0.050                     |
| 11537      | 09/25/2008 | 11:05:53 | 0.060                     |
| 11538      | 09/25/2008 | 11:05:54 | 0.053                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 11539      | 09/25/2008 | 11:05:55 | 0.060                     |
| 11540      | 09/25/2008 | 11:05:56 | 0.063                     |
| 11541      | 09/25/2008 | 11:05:57 | 0.058                     |
| 11542      | 09/25/2008 | 11:05:58 | 0.051                     |
| 11543      | 09/25/2008 | 11:05:59 | 0.050                     |
| 11544      | 09/25/2008 | 11:06:00 | 0.056                     |
| 11545      | 09/25/2008 | 11:06:01 | 0.051                     |
| 11546      | 09/25/2008 | 11:06:02 | 0.053                     |
| 11547      | 09/25/2008 | 11:06:03 | 0.054                     |
| 11548      | 09/25/2008 | 11:06:04 | 0.062                     |
| 11549      | 09/25/2008 | 11:06:05 | 0.051                     |
| 11550      | 09/25/2008 | 11:06:06 | 0.049                     |
| 11551      | 09/25/2008 | 11:06:07 | 0.049                     |
| 11552      | 09/25/2008 | 11:06:08 | 0.050                     |
| 11553      | 09/25/2008 | 11:06:09 | 0.050                     |
| 11554      | 09/25/2008 | 11:06:10 | 0.053                     |
| 11555      | 09/25/2008 | 11:06:11 | 0.054                     |
| 11556      | 09/25/2008 | 11:06:12 | 0.051                     |
| 11557      | 09/25/2008 | 11:06:13 | 0.060                     |
| 11558      | 09/25/2008 | 11:06:14 | 0.065                     |
| 11559      | 09/25/2008 | 11:06:15 | 0.055                     |
| 11560      | 09/25/2008 | 11:06:16 | 0.059                     |
| 11561      | 09/25/2008 | 11:06:17 | 0.057                     |
| 11562      | 09/25/2008 | 11:06:18 | 0.046                     |
| 11563      | 09/25/2008 | 11:06:19 | 0.068                     |
| 11564      | 09/25/2008 | 11:06:20 | 0.072                     |
| 11565      | 09/25/2008 | 11:06:21 | 0.063                     |
| 11566      | 09/25/2008 | 11:06:22 | 0.067                     |
| 11567      | 09/25/2008 | 11:06:23 | 0.091                     |
| 11568      | 09/25/2008 | 11:06:24 | 0.060                     |
| 11569      | 09/25/2008 | 11:06:25 | 0.055                     |
| 11570      | 09/25/2008 | 11:06:26 | 0.052                     |
| 11571      | 09/25/2008 | 11:06:27 | 0.065                     |
| 11572      | 09/25/2008 | 11:06:28 | 0.055                     |
| 11573      | 09/25/2008 | 11:06:29 | 0.056                     |
| 11574      | 09/25/2008 | 11:06:30 | 0.052                     |
| 11575      | 09/25/2008 | 11:06:31 | 0.049                     |
| 11576      | 09/25/2008 | 11:06:32 | 0.051                     |
| 11577      | 09/25/2008 | 11:06:33 | 0.055                     |
| 11578      | 09/25/2008 | 11:06:34 | 0.049                     |
| 11579      | 09/25/2008 | 11:06:35 | 0.056                     |
| 11580      | 09/25/2008 | 11:06:36 | 0.051                     |
| 11581      | 09/25/2008 | 11:06:37 | 0.052                     |
| 11582      | 09/25/2008 | 11:06:38 | 0.052                     |
| 11583      | 09/25/2008 | 11:06:39 | 0.049                     |
| 11584      | 09/25/2008 | 11:06:40 | 0.054                     |
| 11585      | 09/25/2008 | 11:06:41 | 0.057                     |
| 11586      | 09/25/2008 | 11:06:42 | 0.051                     |
| 11587      | 09/25/2008 | 11:06:43 | 0.050                     |
| 11588      | 09/25/2008 | 11:06:44 | 0.052                     |
| 11589      | 09/25/2008 | 11:06:45 | 0.052                     |
| 11590      | 09/25/2008 | 11:06:46 | 0.071                     |
| 11591      | 09/25/2008 | 11:06:47 | 0.050                     |
| 11592      | 09/25/2008 | 11:06:48 | 0.050                     |
| 11593      | 09/25/2008 | 11:06:49 | 0.058                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 11594      | 09/25/2008 | 11:06:50 | 0.053                     |
| 11595      | 09/25/2008 | 11:06:51 | 0.049                     |
| 11596      | 09/25/2008 | 11:06:52 | 0.050                     |
| 11597      | 09/25/2008 | 11:06:53 | 0.059                     |
| 11598      | 09/25/2008 | 11:06:54 | 0.054                     |
| 11599      | 09/25/2008 | 11:06:55 | 0.048                     |
| 11600      | 09/25/2008 | 11:06:56 | 0.051                     |
| 11601      | 09/25/2008 | 11:06:57 | 0.052                     |
| 11602      | 09/25/2008 | 11:06:58 | 0.051                     |
| 11603      | 09/25/2008 | 11:06:59 | 0.052                     |
| 11604      | 09/25/2008 | 11:07:00 | 0.051                     |
| 11605      | 09/25/2008 | 11:07:01 | 0.049                     |
| 11606      | 09/25/2008 | 11:07:02 | 0.052                     |
| 11607      | 09/25/2008 | 11:07:03 | 0.052                     |
| 11608      | 09/25/2008 | 11:07:04 | 0.055                     |
| 11609      | 09/25/2008 | 11:07:05 | 0.049                     |
| 11610      | 09/25/2008 | 11:07:06 | 0.051                     |
| 11611      | 09/25/2008 | 11:07:07 | 0.049                     |
| 11612      | 09/25/2008 | 11:07:08 | 0.049                     |
| 11613      | 09/25/2008 | 11:07:09 | 0.059                     |
| 11614      | 09/25/2008 | 11:07:10 | 0.056                     |
| 11615      | 09/25/2008 | 11:07:11 | 0.055                     |
| 11616      | 09/25/2008 | 11:07:12 | 0.052                     |
| 11617      | 09/25/2008 | 11:07:13 | 0.049                     |
| 11618      | 09/25/2008 | 11:07:14 | 0.052                     |
| 11619      | 09/25/2008 | 11:07:15 | 0.058                     |
| 11620      | 09/25/2008 | 11:07:16 | 0.068                     |
| 11621      | 09/25/2008 | 11:07:17 | 0.052                     |
| 11622      | 09/25/2008 | 11:07:18 | 0.057                     |
| 11623      | 09/25/2008 | 11:07:19 | 0.056                     |
| 11624      | 09/25/2008 | 11:07:20 | 0.051                     |
| 11625      | 09/25/2008 | 11:07:21 | 0.048                     |
| 11626      | 09/25/2008 | 11:07:22 | 0.051                     |
| 11627      | 09/25/2008 | 11:07:23 | 0.056                     |
| 11628      | 09/25/2008 | 11:07:24 | 0.049                     |
| 11629      | 09/25/2008 | 11:07:25 | 0.053                     |
| 11630      | 09/25/2008 | 11:07:26 | 0.050                     |
| 11631      | 09/25/2008 | 11:07:27 | 0.062                     |
| 11632      | 09/25/2008 | 11:07:28 | 0.062                     |
| 11633      | 09/25/2008 | 11:07:29 | 0.051                     |
| 11634      | 09/25/2008 | 11:07:30 | 0.050                     |
| 11635      | 09/25/2008 | 11:07:31 | 0.053                     |
| 11636      | 09/25/2008 | 11:07:32 | 0.061                     |
| 11637      | 09/25/2008 | 11:07:33 | 0.048                     |
| 11638      | 09/25/2008 | 11:07:34 | 0.052                     |
| 11639      | 09/25/2008 | 11:07:35 | 0.050                     |
| 11640      | 09/25/2008 | 11:07:36 | 0.049                     |
| 11641      | 09/25/2008 | 11:07:37 | 0.052                     |
| 11642      | 09/25/2008 | 11:07:38 | 0.053                     |
| 11643      | 09/25/2008 | 11:07:39 | 0.051                     |
| 11644      | 09/25/2008 | 11:07:40 | 0.051                     |
| 11645      | 09/25/2008 | 11:07:41 | 0.060                     |
| 11646      | 09/25/2008 | 11:07:42 | 0.051                     |
| 11647      | 09/25/2008 | 11:07:43 | 0.045                     |
| 11648      | 09/25/2008 | 11:07:44 | 0.052                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 11649      | 09/25/2008 | 11:07:45 | 0.052                     |
| 11650      | 09/25/2008 | 11:07:46 | 0.048                     |
| 11651      | 09/25/2008 | 11:07:47 | 0.048                     |
| 11652      | 09/25/2008 | 11:07:48 | 0.053                     |
| 11653      | 09/25/2008 | 11:07:49 | 0.055                     |
| 11654      | 09/25/2008 | 11:07:50 | 0.053                     |
| 11655      | 09/25/2008 | 11:07:51 | 0.080                     |
| 11656      | 09/25/2008 | 11:07:52 | 0.049                     |
| 11657      | 09/25/2008 | 11:07:53 | 0.058                     |
| 11658      | 09/25/2008 | 11:07:54 | 0.071                     |
| 11659      | 09/25/2008 | 11:07:55 | 0.052                     |
| 11660      | 09/25/2008 | 11:07:56 | 0.054                     |
| 11661      | 09/25/2008 | 11:07:57 | 0.061                     |
| 11662      | 09/25/2008 | 11:07:58 | 0.052                     |
| 11663      | 09/25/2008 | 11:07:59 | 0.051                     |
| 11664      | 09/25/2008 | 11:08:00 | 0.050                     |
| 11665      | 09/25/2008 | 11:08:01 | 0.050                     |
| 11666      | 09/25/2008 | 11:08:02 | 0.048                     |
| 11667      | 09/25/2008 | 11:08:03 | 0.048                     |
| 11668      | 09/25/2008 | 11:08:04 | 0.092                     |
| 11669      | 09/25/2008 | 11:08:05 | 0.048                     |
| 11670      | 09/25/2008 | 11:08:06 | 0.051                     |
| 11671      | 09/25/2008 | 11:08:07 | 0.053                     |
| 11672      | 09/25/2008 | 11:08:08 | 0.085                     |
| 11673      | 09/25/2008 | 11:08:09 | 0.050                     |
| 11674      | 09/25/2008 | 11:08:10 | 0.052                     |
| 11675      | 09/25/2008 | 11:08:11 | 0.054                     |
| 11676      | 09/25/2008 | 11:08:12 | 0.060                     |
| 11677      | 09/25/2008 | 11:08:13 | 0.048                     |
| 11678      | 09/25/2008 | 11:08:14 | 0.069                     |
| 11679      | 09/25/2008 | 11:08:15 | 0.049                     |
| 11680      | 09/25/2008 | 11:08:16 | 0.049                     |
| 11681      | 09/25/2008 | 11:08:17 | 0.048                     |
| 11682      | 09/25/2008 | 11:08:18 | 0.056                     |
| 11683      | 09/25/2008 | 11:08:19 | 0.050                     |
| 11684      | 09/25/2008 | 11:08:20 | 0.046                     |
| 11685      | 09/25/2008 | 11:08:21 | 0.066                     |
| 11686      | 09/25/2008 | 11:08:22 | 0.052                     |
| 11687      | 09/25/2008 | 11:08:23 | 0.055                     |
| 11688      | 09/25/2008 | 11:08:24 | 0.052                     |
| 11689      | 09/25/2008 | 11:08:25 | 0.049                     |
| 11690      | 09/25/2008 | 11:08:26 | 0.077                     |
| 11691      | 09/25/2008 | 11:08:27 | 0.049                     |
| 11692      | 09/25/2008 | 11:08:28 | 0.056                     |
| 11693      | 09/25/2008 | 11:08:29 | 0.050                     |
| 11694      | 09/25/2008 | 11:08:30 | 0.050                     |
| 11695      | 09/25/2008 | 11:08:31 | 0.050                     |
| 11696      | 09/25/2008 | 11:08:32 | 0.051                     |
| 11697      | 09/25/2008 | 11:08:33 | 0.057                     |
| 11698      | 09/25/2008 | 11:08:34 | 0.050                     |
| 11699      | 09/25/2008 | 11:08:35 | 0.057                     |
| 11700      | 09/25/2008 | 11:08:36 | 0.059                     |
| 11701      | 09/25/2008 | 11:08:37 | 0.052                     |
| 11702      | 09/25/2008 | 11:08:38 | 0.054                     |
| 11703      | 09/25/2008 | 11:08:39 | 0.052                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 11704      | 09/25/2008 | 11:08:40 | 0.054                     |
| 11705      | 09/25/2008 | 11:08:41 | 0.092                     |
| 11706      | 09/25/2008 | 11:08:42 | 0.058                     |
| 11707      | 09/25/2008 | 11:08:43 | 0.051                     |
| 11708      | 09/25/2008 | 11:08:44 | 0.063                     |
| 11709      | 09/25/2008 | 11:08:45 | 0.053                     |
| 11710      | 09/25/2008 | 11:08:46 | 0.056                     |
| 11711      | 09/25/2008 | 11:08:47 | 0.065                     |
| 11712      | 09/25/2008 | 11:08:48 | 0.049                     |
| 11713      | 09/25/2008 | 11:08:49 | 0.050                     |
| 11714      | 09/25/2008 | 11:08:50 | 0.052                     |
| 11715      | 09/25/2008 | 11:08:51 | 0.054                     |
| 11716      | 09/25/2008 | 11:08:52 | 0.060                     |
| 11717      | 09/25/2008 | 11:08:53 | 0.058                     |
| 11718      | 09/25/2008 | 11:08:54 | 0.052                     |
| 11719      | 09/25/2008 | 11:08:55 | 0.061                     |
| 11720      | 09/25/2008 | 11:08:56 | 0.056                     |
| 11721      | 09/25/2008 | 11:08:57 | 0.051                     |
| 11722      | 09/25/2008 | 11:08:58 | 0.055                     |
| 11723      | 09/25/2008 | 11:08:59 | 0.047                     |
| 11724      | 09/25/2008 | 11:09:00 | 0.053                     |
| 11725      | 09/25/2008 | 11:09:01 | 0.053                     |
| 11726      | 09/25/2008 | 11:09:02 | 0.049                     |
| 11727      | 09/25/2008 | 11:09:03 | 0.049                     |
| 11728      | 09/25/2008 | 11:09:04 | 0.049                     |
| 11729      | 09/25/2008 | 11:09:05 | 0.051                     |
| 11730      | 09/25/2008 | 11:09:06 | 0.050                     |
| 11731      | 09/25/2008 | 11:09:07 | 0.065                     |
| 11732      | 09/25/2008 | 11:09:08 | 0.050                     |
| 11733      | 09/25/2008 | 11:09:09 | 0.051                     |
| 11734      | 09/25/2008 | 11:09:10 | 0.054                     |
| 11735      | 09/25/2008 | 11:09:11 | 0.051                     |
| 11736      | 09/25/2008 | 11:09:12 | 0.051                     |
| 11737      | 09/25/2008 | 11:09:13 | 0.054                     |
| 11738      | 09/25/2008 | 11:09:14 | 0.051                     |
| 11739      | 09/25/2008 | 11:09:15 | 0.049                     |
| 11740      | 09/25/2008 | 11:09:16 | 0.048                     |
| 11741      | 09/25/2008 | 11:09:17 | 0.052                     |
| 11742      | 09/25/2008 | 11:09:18 | 0.049                     |
| 11743      | 09/25/2008 | 11:09:19 | 0.050                     |
| 11744      | 09/25/2008 | 11:09:20 | 0.056                     |
| 11745      | 09/25/2008 | 11:09:21 | 0.053                     |
| 11746      | 09/25/2008 | 11:09:22 | 0.050                     |
| 11747      | 09/25/2008 | 11:09:23 | 0.048                     |
| 11748      | 09/25/2008 | 11:09:24 | 0.049                     |
| 11749      | 09/25/2008 | 11:09:25 | 0.050                     |
| 11750      | 09/25/2008 | 11:09:26 | 0.048                     |
| 11751      | 09/25/2008 | 11:09:27 | 0.053                     |
| 11752      | 09/25/2008 | 11:09:28 | 0.053                     |
| 11753      | 09/25/2008 | 11:09:29 | 0.051                     |
| 11754      | 09/25/2008 | 11:09:30 | 0.057                     |
| 11755      | 09/25/2008 | 11:09:31 | 0.052                     |
| 11756      | 09/25/2008 | 11:09:32 | 0.050                     |
| 11757      | 09/25/2008 | 11:09:33 | 0.050                     |
| 11758      | 09/25/2008 | 11:09:34 | 0.049                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 11759      | 09/25/2008 | 11:09:35 | 0.058                     |
| 11760      | 09/25/2008 | 11:09:36 | 0.053                     |
| 11761      | 09/25/2008 | 11:09:37 | 0.051                     |
| 11762      | 09/25/2008 | 11:09:38 | 0.048                     |
| 11763      | 09/25/2008 | 11:09:39 | 0.049                     |
| 11764      | 09/25/2008 | 11:09:40 | 0.051                     |
| 11765      | 09/25/2008 | 11:09:41 | 0.056                     |
| 11766      | 09/25/2008 | 11:09:42 | 0.053                     |
| 11767      | 09/25/2008 | 11:09:43 | 0.050                     |
| 11768      | 09/25/2008 | 11:09:44 | 0.063                     |
| 11769      | 09/25/2008 | 11:09:45 | 0.055                     |
| 11770      | 09/25/2008 | 11:09:46 | 0.053                     |
| 11771      | 09/25/2008 | 11:09:47 | 0.056                     |
| 11772      | 09/25/2008 | 11:09:48 | 0.052                     |
| 11773      | 09/25/2008 | 11:09:49 | 0.062                     |
| 11774      | 09/25/2008 | 11:09:50 | 0.053                     |
| 11775      | 09/25/2008 | 11:09:51 | 0.056                     |
| 11776      | 09/25/2008 | 11:09:52 | 0.051                     |
| 11777      | 09/25/2008 | 11:09:53 | 0.047                     |
| 11778      | 09/25/2008 | 11:09:54 | 0.057                     |
| 11779      | 09/25/2008 | 11:09:55 | 0.056                     |
| 11780      | 09/25/2008 | 11:09:56 | 0.053                     |
| 11781      | 09/25/2008 | 11:09:57 | 0.054                     |
| 11782      | 09/25/2008 | 11:09:58 | 0.056                     |
| 11783      | 09/25/2008 | 11:09:59 | 0.056                     |
| 11784      | 09/25/2008 | 11:10:00 | 0.050                     |
| 11785      | 09/25/2008 | 11:10:01 | 0.050                     |
| 11786      | 09/25/2008 | 11:10:02 | 0.048                     |
| 11787      | 09/25/2008 | 11:10:03 | 0.069                     |
| 11788      | 09/25/2008 | 11:10:04 | 0.061                     |
| 11789      | 09/25/2008 | 11:10:05 | 0.050                     |
| 11790      | 09/25/2008 | 11:10:06 | 0.048                     |
| 11791      | 09/25/2008 | 11:10:07 | 0.045                     |
| 11792      | 09/25/2008 | 11:10:08 | 0.055                     |
| 11793      | 09/25/2008 | 11:10:09 | 0.050                     |
| 11794      | 09/25/2008 | 11:10:10 | 0.051                     |
| 11795      | 09/25/2008 | 11:10:11 | 0.055                     |
| 11796      | 09/25/2008 | 11:10:12 | 0.051                     |
| 11797      | 09/25/2008 | 11:10:13 | 0.054                     |
| 11798      | 09/25/2008 | 11:10:14 | 0.052                     |
| 11799      | 09/25/2008 | 11:10:15 | 0.060                     |
| 11800      | 09/25/2008 | 11:10:16 | 0.058                     |
| 11801      | 09/25/2008 | 11:10:17 | 0.051                     |
| 11802      | 09/25/2008 | 11:10:18 | 0.062                     |
| 11803      | 09/25/2008 | 11:10:19 | 0.051                     |
| 11804      | 09/25/2008 | 11:10:20 | 0.044                     |
| 11805      | 09/25/2008 | 11:10:21 | 0.056                     |
| 11806      | 09/25/2008 | 11:10:22 | 0.057                     |
| 11807      | 09/25/2008 | 11:10:23 | 0.050                     |
| 11808      | 09/25/2008 | 11:10:24 | 0.074                     |
| 11809      | 09/25/2008 | 11:10:25 | 0.048                     |
| 11810      | 09/25/2008 | 11:10:26 | 0.049                     |
| 11811      | 09/25/2008 | 11:10:27 | 0.049                     |
| 11812      | 09/25/2008 | 11:10:28 | 0.053                     |
| 11813      | 09/25/2008 | 11:10:29 | 0.055                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 11814      | 09/25/2008 | 11:10:30 | 0.054                     |
| 11815      | 09/25/2008 | 11:10:31 | 0.055                     |
| 11816      | 09/25/2008 | 11:10:32 | 0.051                     |
| 11817      | 09/25/2008 | 11:10:33 | 0.054                     |
| 11818      | 09/25/2008 | 11:10:34 | 0.048                     |
| 11819      | 09/25/2008 | 11:10:35 | 0.049                     |
| 11820      | 09/25/2008 | 11:10:36 | 0.051                     |
| 11821      | 09/25/2008 | 11:10:37 | 0.051                     |
| 11822      | 09/25/2008 | 11:10:38 | 0.051                     |
| 11823      | 09/25/2008 | 11:10:39 | 0.061                     |
| 11824      | 09/25/2008 | 11:10:40 | 0.049                     |
| 11825      | 09/25/2008 | 11:10:41 | 0.054                     |
| 11826      | 09/25/2008 | 11:10:42 | 0.062                     |
| 11827      | 09/25/2008 | 11:10:43 | 0.052                     |
| 11828      | 09/25/2008 | 11:10:44 | 0.054                     |
| 11829      | 09/25/2008 | 11:10:45 | 0.054                     |
| 11830      | 09/25/2008 | 11:10:46 | 0.075                     |
| 11831      | 09/25/2008 | 11:10:47 | 0.059                     |
| 11832      | 09/25/2008 | 11:10:48 | 0.065                     |
| 11833      | 09/25/2008 | 11:10:49 | 0.101                     |
| 11834      | 09/25/2008 | 11:10:50 | 0.051                     |
| 11835      | 09/25/2008 | 11:10:51 | 0.053                     |
| 11836      | 09/25/2008 | 11:10:52 | 0.053                     |
| 11837      | 09/25/2008 | 11:10:53 | 0.061                     |
| 11838      | 09/25/2008 | 11:10:54 | 0.077                     |
| 11839      | 09/25/2008 | 11:10:55 | 0.048                     |
| 11840      | 09/25/2008 | 11:10:56 | 0.052                     |
| 11841      | 09/25/2008 | 11:10:57 | 0.054                     |
| 11842      | 09/25/2008 | 11:10:58 | 0.046                     |
| 11843      | 09/25/2008 | 11:10:59 | 0.051                     |
| 11844      | 09/25/2008 | 11:11:00 | 0.055                     |
| 11845      | 09/25/2008 | 11:11:01 | 0.053                     |
| 11846      | 09/25/2008 | 11:11:02 | 0.049                     |
| 11847      | 09/25/2008 | 11:11:03 | 0.051                     |
| 11848      | 09/25/2008 | 11:11:04 | 0.053                     |
| 11849      | 09/25/2008 | 11:11:05 | 0.049                     |
| 11850      | 09/25/2008 | 11:11:06 | 0.048                     |
| 11851      | 09/25/2008 | 11:11:07 | 0.055                     |
| 11852      | 09/25/2008 | 11:11:08 | 0.051                     |
| 11853      | 09/25/2008 | 11:11:09 | 0.054                     |
| 11854      | 09/25/2008 | 11:11:10 | 0.052                     |
| 11855      | 09/25/2008 | 11:11:11 | 0.048                     |
| 11856      | 09/25/2008 | 11:11:12 | 0.045                     |
| 11857      | 09/25/2008 | 11:11:13 | 0.064                     |
| 11858      | 09/25/2008 | 11:11:14 | 0.049                     |
| 11859      | 09/25/2008 | 11:11:15 | 0.048                     |
| 11860      | 09/25/2008 | 11:11:16 | 0.048                     |
| 11861      | 09/25/2008 | 11:11:17 | 0.053                     |
| 11862      | 09/25/2008 | 11:11:18 | 0.047                     |
| 11863      | 09/25/2008 | 11:11:19 | 0.086                     |
| 11864      | 09/25/2008 | 11:11:20 | 0.056                     |
| 11865      | 09/25/2008 | 11:11:21 | 0.051                     |
| 11866      | 09/25/2008 | 11:11:22 | 0.054                     |
| 11867      | 09/25/2008 | 11:11:23 | 0.049                     |
| 11868      | 09/25/2008 | 11:11:24 | 0.048                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 11869      | 09/25/2008 | 11:11:25 | 0.050                     |
| 11870      | 09/25/2008 | 11:11:26 | 0.052                     |
| 11871      | 09/25/2008 | 11:11:27 | 0.059                     |
| 11872      | 09/25/2008 | 11:11:28 | 0.049                     |
| 11873      | 09/25/2008 | 11:11:29 | 0.055                     |
| 11874      | 09/25/2008 | 11:11:30 | 0.051                     |
| 11875      | 09/25/2008 | 11:11:31 | 0.052                     |
| 11876      | 09/25/2008 | 11:11:32 | 0.062                     |
| 11877      | 09/25/2008 | 11:11:33 | 0.054                     |
| 11878      | 09/25/2008 | 11:11:34 | 0.053                     |
| 11879      | 09/25/2008 | 11:11:35 | 0.048                     |
| 11880      | 09/25/2008 | 11:11:36 | 0.050                     |
| 11881      | 09/25/2008 | 11:11:37 | 0.053                     |
| 11882      | 09/25/2008 | 11:11:38 | 0.055                     |
| 11883      | 09/25/2008 | 11:11:39 | 0.052                     |
| 11884      | 09/25/2008 | 11:11:40 | 0.044                     |
| 11885      | 09/25/2008 | 11:11:41 | 0.057                     |
| 11886      | 09/25/2008 | 11:11:42 | 0.052                     |
| 11887      | 09/25/2008 | 11:11:43 | 0.052                     |
| 11888      | 09/25/2008 | 11:11:44 | 0.057                     |
| 11889      | 09/25/2008 | 11:11:45 | 0.051                     |
| 11890      | 09/25/2008 | 11:11:46 | 0.052                     |
| 11891      | 09/25/2008 | 11:11:47 | 0.050                     |
| 11892      | 09/25/2008 | 11:11:48 | 0.085                     |
| 11893      | 09/25/2008 | 11:11:49 | 0.055                     |
| 11894      | 09/25/2008 | 11:11:50 | 0.054                     |
| 11895      | 09/25/2008 | 11:11:51 | 0.063                     |
| 11896      | 09/25/2008 | 11:11:52 | 0.055                     |
| 11897      | 09/25/2008 | 11:11:53 | 0.051                     |
| 11898      | 09/25/2008 | 11:11:54 | 0.049                     |
| 11899      | 09/25/2008 | 11:11:55 | 0.051                     |
| 11900      | 09/25/2008 | 11:11:56 | 0.053                     |
| 11901      | 09/25/2008 | 11:11:57 | 0.051                     |
| 11902      | 09/25/2008 | 11:11:58 | 0.050                     |
| 11903      | 09/25/2008 | 11:11:59 | 0.051                     |
| 11904      | 09/25/2008 | 11:12:00 | 0.060                     |
| 11905      | 09/25/2008 | 11:12:01 | 0.051                     |
| 11906      | 09/25/2008 | 11:12:02 | 0.046                     |
| 11907      | 09/25/2008 | 11:12:03 | 0.047                     |
| 11908      | 09/25/2008 | 11:12:04 | 0.049                     |
| 11909      | 09/25/2008 | 11:12:05 | 0.068                     |
| 11910      | 09/25/2008 | 11:12:06 | 0.049                     |
| 11911      | 09/25/2008 | 11:12:07 | 0.053                     |
| 11912      | 09/25/2008 | 11:12:08 | 0.055                     |
| 11913      | 09/25/2008 | 11:12:09 | 0.050                     |
| 11914      | 09/25/2008 | 11:12:10 | 0.127                     |
| 11915      | 09/25/2008 | 11:12:11 | 0.055                     |
| 11916      | 09/25/2008 | 11:12:12 | 0.054                     |
| 11917      | 09/25/2008 | 11:12:13 | 0.064                     |
| 11918      | 09/25/2008 | 11:12:14 | 0.050                     |
| 11919      | 09/25/2008 | 11:12:15 | 0.064                     |
| 11920      | 09/25/2008 | 11:12:16 | 0.053                     |
| 11921      | 09/25/2008 | 11:12:17 | 0.054                     |
| 11922      | 09/25/2008 | 11:12:18 | 0.053                     |
| 11923      | 09/25/2008 | 11:12:19 | 0.057                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 11924      | 09/25/2008 | 11:12:20 | 0.054                     |
| 11925      | 09/25/2008 | 11:12:21 | 0.076                     |
| 11926      | 09/25/2008 | 11:12:22 | 0.053                     |
| 11927      | 09/25/2008 | 11:12:23 | 0.049                     |
| 11928      | 09/25/2008 | 11:12:24 | 0.075                     |
| 11929      | 09/25/2008 | 11:12:25 | 0.051                     |
| 11930      | 09/25/2008 | 11:12:26 | 0.058                     |
| 11931      | 09/25/2008 | 11:12:27 | 0.049                     |
| 11932      | 09/25/2008 | 11:12:28 | 0.054                     |
| 11933      | 09/25/2008 | 11:12:29 | 0.048                     |
| 11934      | 09/25/2008 | 11:12:30 | 0.054                     |
| 11935      | 09/25/2008 | 11:12:31 | 0.054                     |
| 11936      | 09/25/2008 | 11:12:32 | 0.048                     |
| 11937      | 09/25/2008 | 11:12:33 | 0.050                     |
| 11938      | 09/25/2008 | 11:12:34 | 0.059                     |
| 11939      | 09/25/2008 | 11:12:35 | 0.058                     |
| 11940      | 09/25/2008 | 11:12:36 | 0.057                     |
| 11941      | 09/25/2008 | 11:12:37 | 0.052                     |
| 11942      | 09/25/2008 | 11:12:38 | 0.047                     |
| 11943      | 09/25/2008 | 11:12:39 | 0.051                     |
| 11944      | 09/25/2008 | 11:12:40 | 0.057                     |
| 11945      | 09/25/2008 | 11:12:41 | 0.064                     |
| 11946      | 09/25/2008 | 11:12:42 | 0.048                     |
| 11947      | 09/25/2008 | 11:12:43 | 0.052                     |
| 11948      | 09/25/2008 | 11:12:44 | 0.051                     |
| 11949      | 09/25/2008 | 11:12:45 | 0.051                     |
| 11950      | 09/25/2008 | 11:12:46 | 0.050                     |
| 11951      | 09/25/2008 | 11:12:47 | 0.049                     |
| 11952      | 09/25/2008 | 11:12:48 | 0.053                     |
| 11953      | 09/25/2008 | 11:12:49 | 0.058                     |
| 11954      | 09/25/2008 | 11:12:50 | 0.062                     |
| 11955      | 09/25/2008 | 11:12:51 | 0.046                     |
| 11956      | 09/25/2008 | 11:12:52 | 0.052                     |
| 11957      | 09/25/2008 | 11:12:53 | 0.049                     |
| 11958      | 09/25/2008 | 11:12:54 | 0.058                     |
| 11959      | 09/25/2008 | 11:12:55 | 0.052                     |
| 11960      | 09/25/2008 | 11:12:56 | 0.052                     |
| 11961      | 09/25/2008 | 11:12:57 | 0.050                     |
| 11962      | 09/25/2008 | 11:12:58 | 0.056                     |
| 11963      | 09/25/2008 | 11:12:59 | 0.049                     |
| 11964      | 09/25/2008 | 11:13:00 | 0.052                     |
| 11965      | 09/25/2008 | 11:13:01 | 0.054                     |
| 11966      | 09/25/2008 | 11:13:02 | 0.062                     |
| 11967      | 09/25/2008 | 11:13:03 | 0.047                     |
| 11968      | 09/25/2008 | 11:13:04 | 0.052                     |
| 11969      | 09/25/2008 | 11:13:05 | 0.050                     |
| 11970      | 09/25/2008 | 11:13:06 | 0.052                     |
| 11971      | 09/25/2008 | 11:13:07 | 0.050                     |
| 11972      | 09/25/2008 | 11:13:08 | 0.051                     |
| 11973      | 09/25/2008 | 11:13:09 | 0.052                     |
| 11974      | 09/25/2008 | 11:13:10 | 0.048                     |
| 11975      | 09/25/2008 | 11:13:11 | 0.075                     |
| 11976      | 09/25/2008 | 11:13:12 | 0.053                     |
| 11977      | 09/25/2008 | 11:13:13 | 0.050                     |
| 11978      | 09/25/2008 | 11:13:14 | 0.054                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 11979      | 09/25/2008 | 11:13:15 | 0.045                     |
| 11980      | 09/25/2008 | 11:13:16 | 0.057                     |
| 11981      | 09/25/2008 | 11:13:17 | 0.054                     |
| 11982      | 09/25/2008 | 11:13:18 | 0.067                     |
| 11983      | 09/25/2008 | 11:13:19 | 0.052                     |
| 11984      | 09/25/2008 | 11:13:20 | 0.054                     |
| 11985      | 09/25/2008 | 11:13:21 | 0.056                     |
| 11986      | 09/25/2008 | 11:13:22 | 0.050                     |
| 11987      | 09/25/2008 | 11:13:23 | 0.059                     |
| 11988      | 09/25/2008 | 11:13:24 | 0.050                     |
| 11989      | 09/25/2008 | 11:13:25 | 0.049                     |
| 11990      | 09/25/2008 | 11:13:26 | 0.053                     |
| 11991      | 09/25/2008 | 11:13:27 | 0.053                     |
| 11992      | 09/25/2008 | 11:13:28 | 0.049                     |
| 11993      | 09/25/2008 | 11:13:29 | 0.053                     |
| 11994      | 09/25/2008 | 11:13:30 | 0.053                     |
| 11995      | 09/25/2008 | 11:13:31 | 0.049                     |
| 11996      | 09/25/2008 | 11:13:32 | 0.060                     |
| 11997      | 09/25/2008 | 11:13:33 | 0.051                     |
| 11998      | 09/25/2008 | 11:13:34 | 0.052                     |
| 11999      | 09/25/2008 | 11:13:35 | 0.053                     |
| 12000      | 09/25/2008 | 11:13:36 | 0.050                     |
| 12001      | 09/25/2008 | 11:13:37 | 0.049                     |
| 12002      | 09/25/2008 | 11:13:38 | 0.052                     |
| 12003      | 09/25/2008 | 11:13:39 | 0.053                     |
| 12004      | 09/25/2008 | 11:13:40 | 0.051                     |
| 12005      | 09/25/2008 | 11:13:41 | 0.063                     |
| 12006      | 09/25/2008 | 11:13:42 | 0.048                     |
| 12007      | 09/25/2008 | 11:13:43 | 0.074                     |
| 12008      | 09/25/2008 | 11:13:44 | 0.053                     |
| 12009      | 09/25/2008 | 11:13:45 | 0.056                     |
| 12010      | 09/25/2008 | 11:13:46 | 0.053                     |
| 12011      | 09/25/2008 | 11:13:47 | 0.072                     |
| 12012      | 09/25/2008 | 11:13:48 | 0.054                     |
| 12013      | 09/25/2008 | 11:13:49 | 0.057                     |
| 12014      | 09/25/2008 | 11:13:50 | 0.056                     |
| 12015      | 09/25/2008 | 11:13:51 | 0.058                     |
| 12016      | 09/25/2008 | 11:13:52 | 0.054                     |
| 12017      | 09/25/2008 | 11:13:53 | 0.053                     |
| 12018      | 09/25/2008 | 11:13:54 | 0.054                     |
| 12019      | 09/25/2008 | 11:13:55 | 0.053                     |
| 12020      | 09/25/2008 | 11:13:56 | 0.068                     |
| 12021      | 09/25/2008 | 11:13:57 | 0.050                     |
| 12022      | 09/25/2008 | 11:13:58 | 0.053                     |
| 12023      | 09/25/2008 | 11:13:59 | 0.054                     |
| 12024      | 09/25/2008 | 11:14:00 | 0.051                     |
| 12025      | 09/25/2008 | 11:14:01 | 0.054                     |
| 12026      | 09/25/2008 | 11:14:02 | 0.049                     |
| 12027      | 09/25/2008 | 11:14:03 | 0.053                     |
| 12028      | 09/25/2008 | 11:14:04 | 0.050                     |
| 12029      | 09/25/2008 | 11:14:05 | 0.056                     |
| 12030      | 09/25/2008 | 11:14:06 | 0.068                     |
| 12031      | 09/25/2008 | 11:14:07 | 0.053                     |
| 12032      | 09/25/2008 | 11:14:08 | 0.056                     |
| 12033      | 09/25/2008 | 11:14:09 | 0.053                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 12034      | 09/25/2008 | 11:14:10 | 0.065                     |
| 12035      | 09/25/2008 | 11:14:11 | 0.052                     |
| 12036      | 09/25/2008 | 11:14:12 | 0.061                     |
| 12037      | 09/25/2008 | 11:14:13 | 0.054                     |
| 12038      | 09/25/2008 | 11:14:14 | 0.062                     |
| 12039      | 09/25/2008 | 11:14:15 | 0.051                     |
| 12040      | 09/25/2008 | 11:14:16 | 0.052                     |
| 12041      | 09/25/2008 | 11:14:17 | 0.050                     |
| 12042      | 09/25/2008 | 11:14:18 | 0.050                     |
| 12043      | 09/25/2008 | 11:14:19 | 0.053                     |
| 12044      | 09/25/2008 | 11:14:20 | 0.049                     |
| 12045      | 09/25/2008 | 11:14:21 | 0.053                     |
| 12046      | 09/25/2008 | 11:14:22 | 0.048                     |
| 12047      | 09/25/2008 | 11:14:23 | 0.071                     |
| 12048      | 09/25/2008 | 11:14:24 | 0.058                     |
| 12049      | 09/25/2008 | 11:14:25 | 0.054                     |
| 12050      | 09/25/2008 | 11:14:26 | 0.079                     |
| 12051      | 09/25/2008 | 11:14:27 | 0.053                     |
| 12052      | 09/25/2008 | 11:14:28 | 0.055                     |
| 12053      | 09/25/2008 | 11:14:29 | 0.052                     |
| 12054      | 09/25/2008 | 11:14:30 | 0.059                     |
| 12055      | 09/25/2008 | 11:14:31 | 0.052                     |
| 12056      | 09/25/2008 | 11:14:32 | 0.057                     |
| 12057      | 09/25/2008 | 11:14:33 | 0.049                     |
| 12058      | 09/25/2008 | 11:14:34 | 0.050                     |
| 12059      | 09/25/2008 | 11:14:35 | 0.059                     |
| 12060      | 09/25/2008 | 11:14:36 | 0.062                     |
| 12061      | 09/25/2008 | 11:14:37 | 0.055                     |
| 12062      | 09/25/2008 | 11:14:38 | 0.050                     |
| 12063      | 09/25/2008 | 11:14:39 | 0.052                     |
| 12064      | 09/25/2008 | 11:14:40 | 0.047                     |
| 12065      | 09/25/2008 | 11:14:41 | 0.049                     |
| 12066      | 09/25/2008 | 11:14:42 | 0.050                     |
| 12067      | 09/25/2008 | 11:14:43 | 0.053                     |
| 12068      | 09/25/2008 | 11:14:44 | 0.049                     |
| 12069      | 09/25/2008 | 11:14:45 | 0.051                     |
| 12070      | 09/25/2008 | 11:14:46 | 0.051                     |
| 12071      | 09/25/2008 | 11:14:47 | 0.051                     |
| 12072      | 09/25/2008 | 11:14:48 | 0.051                     |
| 12073      | 09/25/2008 | 11:14:49 | 0.044                     |
| 12074      | 09/25/2008 | 11:14:50 | 0.056                     |
| 12075      | 09/25/2008 | 11:14:51 | 0.048                     |
| 12076      | 09/25/2008 | 11:14:52 | 0.050                     |
| 12077      | 09/25/2008 | 11:14:53 | 0.050                     |
| 12078      | 09/25/2008 | 11:14:54 | 0.050                     |
| 12079      | 09/25/2008 | 11:14:55 | 0.081                     |
| 12080      | 09/25/2008 | 11:14:56 | 0.053                     |
| 12081      | 09/25/2008 | 11:14:57 | 0.050                     |
| 12082      | 09/25/2008 | 11:14:58 | 0.052                     |
| 12083      | 09/25/2008 | 11:14:59 | 0.053                     |
| 12084      | 09/25/2008 | 11:15:00 | 0.051                     |
| 12085      | 09/25/2008 | 11:15:01 | 0.050                     |
| 12086      | 09/25/2008 | 11:15:02 | 0.051                     |
| 12087      | 09/25/2008 | 11:15:03 | 0.052                     |
| 12088      | 09/25/2008 | 11:15:04 | 0.056                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 12089      | 09/25/2008 | 11:15:05 | 0.046                     |
| 12090      | 09/25/2008 | 11:15:06 | 0.051                     |
| 12091      | 09/25/2008 | 11:15:07 | 0.053                     |
| 12092      | 09/25/2008 | 11:15:08 | 0.054                     |
| 12093      | 09/25/2008 | 11:15:09 | 0.052                     |
| 12094      | 09/25/2008 | 11:15:10 | 0.050                     |
| 12095      | 09/25/2008 | 11:15:11 | 0.054                     |
| 12096      | 09/25/2008 | 11:15:12 | 0.055                     |
| 12097      | 09/25/2008 | 11:15:13 | 0.050                     |
| 12098      | 09/25/2008 | 11:15:14 | 0.055                     |
| 12099      | 09/25/2008 | 11:15:15 | 0.059                     |
| 12100      | 09/25/2008 | 11:15:16 | 0.054                     |
| 12101      | 09/25/2008 | 11:15:17 | 0.052                     |
| 12102      | 09/25/2008 | 11:15:18 | 0.051                     |
| 12103      | 09/25/2008 | 11:15:19 | 0.050                     |
| 12104      | 09/25/2008 | 11:15:20 | 0.053                     |
| 12105      | 09/25/2008 | 11:15:21 | 0.055                     |
| 12106      | 09/25/2008 | 11:15:22 | 0.079                     |
| 12107      | 09/25/2008 | 11:15:23 | 0.051                     |
| 12108      | 09/25/2008 | 11:15:24 | 0.052                     |
| 12109      | 09/25/2008 | 11:15:25 | 0.053                     |
| 12110      | 09/25/2008 | 11:15:26 | 0.055                     |
| 12111      | 09/25/2008 | 11:15:27 | 0.049                     |
| 12112      | 09/25/2008 | 11:15:28 | 0.050                     |
| 12113      | 09/25/2008 | 11:15:29 | 0.053                     |
| 12114      | 09/25/2008 | 11:15:30 | 0.054                     |
| 12115      | 09/25/2008 | 11:15:31 | 0.054                     |
| 12116      | 09/25/2008 | 11:15:32 | 0.049                     |
| 12117      | 09/25/2008 | 11:15:33 | 0.048                     |
| 12118      | 09/25/2008 | 11:15:34 | 0.049                     |
| 12119      | 09/25/2008 | 11:15:35 | 0.054                     |
| 12120      | 09/25/2008 | 11:15:36 | 0.050                     |
| 12121      | 09/25/2008 | 11:15:37 | 0.049                     |
| 12122      | 09/25/2008 | 11:15:38 | 0.047                     |
| 12123      | 09/25/2008 | 11:15:39 | 0.049                     |
| 12124      | 09/25/2008 | 11:15:40 | 0.055                     |
| 12125      | 09/25/2008 | 11:15:41 | 0.059                     |
| 12126      | 09/25/2008 | 11:15:42 | 0.052                     |
| 12127      | 09/25/2008 | 11:15:43 | 0.048                     |
| 12128      | 09/25/2008 | 11:15:44 | 0.053                     |
| 12129      | 09/25/2008 | 11:15:45 | 0.062                     |
| 12130      | 09/25/2008 | 11:15:46 | 0.049                     |
| 12131      | 09/25/2008 | 11:15:47 | 0.052                     |
| 12132      | 09/25/2008 | 11:15:48 | 0.049                     |
| 12133      | 09/25/2008 | 11:15:49 | 0.049                     |
| 12134      | 09/25/2008 | 11:15:50 | 0.049                     |
| 12135      | 09/25/2008 | 11:15:51 | 0.053                     |
| 12136      | 09/25/2008 | 11:15:52 | 0.048                     |
| 12137      | 09/25/2008 | 11:15:53 | 0.047                     |
| 12138      | 09/25/2008 | 11:15:54 | 0.057                     |
| 12139      | 09/25/2008 | 11:15:55 | 0.048                     |
| 12140      | 09/25/2008 | 11:15:56 | 0.052                     |
| 12141      | 09/25/2008 | 11:15:57 | 0.054                     |
| 12142      | 09/25/2008 | 11:15:58 | 0.049                     |
| 12143      | 09/25/2008 | 11:15:59 | 0.050                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 12144      | 09/25/2008 | 11:16:00 | 0.051                     |
| 12145      | 09/25/2008 | 11:16:01 | 0.067                     |
| 12146      | 09/25/2008 | 11:16:02 | 0.053                     |
| 12147      | 09/25/2008 | 11:16:03 | 0.057                     |
| 12148      | 09/25/2008 | 11:16:04 | 0.046                     |
| 12149      | 09/25/2008 | 11:16:05 | 0.050                     |
| 12150      | 09/25/2008 | 11:16:06 | 0.059                     |
| 12151      | 09/25/2008 | 11:16:07 | 0.049                     |
| 12152      | 09/25/2008 | 11:16:08 | 0.057                     |
| 12153      | 09/25/2008 | 11:16:09 | 0.071                     |
| 12154      | 09/25/2008 | 11:16:10 | 0.050                     |
| 12155      | 09/25/2008 | 11:16:11 | 0.051                     |
| 12156      | 09/25/2008 | 11:16:12 | 0.051                     |
| 12157      | 09/25/2008 | 11:16:13 | 0.060                     |
| 12158      | 09/25/2008 | 11:16:14 | 0.051                     |
| 12159      | 09/25/2008 | 11:16:15 | 0.050                     |
| 12160      | 09/25/2008 | 11:16:16 | 0.052                     |
| 12161      | 09/25/2008 | 11:16:17 | 0.054                     |
| 12162      | 09/25/2008 | 11:16:18 | 0.050                     |
| 12163      | 09/25/2008 | 11:16:19 | 0.053                     |
| 12164      | 09/25/2008 | 11:16:20 | 0.051                     |
| 12165      | 09/25/2008 | 11:16:21 | 0.058                     |
| 12166      | 09/25/2008 | 11:16:22 | 0.050                     |
| 12167      | 09/25/2008 | 11:16:23 | 0.052                     |
| 12168      | 09/25/2008 | 11:16:24 | 0.051                     |
| 12169      | 09/25/2008 | 11:16:25 | 0.058                     |
| 12170      | 09/25/2008 | 11:16:26 | 0.051                     |
| 12171      | 09/25/2008 | 11:16:27 | 0.053                     |
| 12172      | 09/25/2008 | 11:16:28 | 0.052                     |
| 12173      | 09/25/2008 | 11:16:29 | 0.048                     |
| 12174      | 09/25/2008 | 11:16:30 | 0.051                     |
| 12175      | 09/25/2008 | 11:16:31 | 0.051                     |
| 12176      | 09/25/2008 | 11:16:32 | 0.049                     |
| 12177      | 09/25/2008 | 11:16:33 | 0.050                     |
| 12178      | 09/25/2008 | 11:16:34 | 0.064                     |
| 12179      | 09/25/2008 | 11:16:35 | 0.049                     |
| 12180      | 09/25/2008 | 11:16:36 | 0.052                     |
| 12181      | 09/25/2008 | 11:16:37 | 0.050                     |
| 12182      | 09/25/2008 | 11:16:38 | 0.056                     |
| 12183      | 09/25/2008 | 11:16:39 | 0.050                     |
| 12184      | 09/25/2008 | 11:16:40 | 0.055                     |
| 12185      | 09/25/2008 | 11:16:41 | 0.067                     |
| 12186      | 09/25/2008 | 11:16:42 | 0.055                     |
| 12187      | 09/25/2008 | 11:16:43 | 0.052                     |
| 12188      | 09/25/2008 | 11:16:44 | 0.050                     |
| 12189      | 09/25/2008 | 11:16:45 | 0.050                     |
| 12190      | 09/25/2008 | 11:16:46 | 0.055                     |
| 12191      | 09/25/2008 | 11:16:47 | 0.052                     |
| 12192      | 09/25/2008 | 11:16:48 | 0.064                     |
| 12193      | 09/25/2008 | 11:16:49 | 0.051                     |
| 12194      | 09/25/2008 | 11:16:50 | 0.053                     |
| 12195      | 09/25/2008 | 11:16:51 | 0.052                     |
| 12196      | 09/25/2008 | 11:16:52 | 0.048                     |
| 12197      | 09/25/2008 | 11:16:53 | 0.046                     |
| 12198      | 09/25/2008 | 11:16:54 | 0.052                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 12199      | 09/25/2008 | 11:16:55 | 0.051                     |
| 12200      | 09/25/2008 | 11:16:56 | 0.048                     |
| 12201      | 09/25/2008 | 11:16:57 | 0.054                     |
| 12202      | 09/25/2008 | 11:16:58 | 0.052                     |
| 12203      | 09/25/2008 | 11:16:59 | 0.053                     |
| 12204      | 09/25/2008 | 11:17:00 | 0.049                     |
| 12205      | 09/25/2008 | 11:17:01 | 0.058                     |
| 12206      | 09/25/2008 | 11:17:02 | 0.051                     |
| 12207      | 09/25/2008 | 11:17:03 | 0.049                     |
| 12208      | 09/25/2008 | 11:17:04 | 0.064                     |
| 12209      | 09/25/2008 | 11:17:05 | 0.053                     |
| 12210      | 09/25/2008 | 11:17:06 | 0.053                     |
| 12211      | 09/25/2008 | 11:17:07 | 0.051                     |
| 12212      | 09/25/2008 | 11:17:08 | 0.058                     |
| 12213      | 09/25/2008 | 11:17:09 | 0.056                     |
| 12214      | 09/25/2008 | 11:17:10 | 0.054                     |
| 12215      | 09/25/2008 | 11:17:11 | 0.051                     |
| 12216      | 09/25/2008 | 11:17:12 | 0.050                     |
| 12217      | 09/25/2008 | 11:17:13 | 0.046                     |
| 12218      | 09/25/2008 | 11:17:14 | 0.062                     |
| 12219      | 09/25/2008 | 11:17:15 | 0.051                     |
| 12220      | 09/25/2008 | 11:17:16 | 0.062                     |
| 12221      | 09/25/2008 | 11:17:17 | 0.047                     |
| 12222      | 09/25/2008 | 11:17:18 | 0.052                     |
| 12223      | 09/25/2008 | 11:17:19 | 0.054                     |
| 12224      | 09/25/2008 | 11:17:20 | 0.050                     |
| 12225      | 09/25/2008 | 11:17:21 | 0.063                     |
| 12226      | 09/25/2008 | 11:17:22 | 0.050                     |
| 12227      | 09/25/2008 | 11:17:23 | 0.048                     |
| 12228      | 09/25/2008 | 11:17:24 | 0.054                     |
| 12229      | 09/25/2008 | 11:17:25 | 0.052                     |
| 12230      | 09/25/2008 | 11:17:26 | 0.064                     |
| 12231      | 09/25/2008 | 11:17:27 | 0.051                     |
| 12232      | 09/25/2008 | 11:17:28 | 0.063                     |
| 12233      | 09/25/2008 | 11:17:29 | 0.052                     |
| 12234      | 09/25/2008 | 11:17:30 | 0.055                     |
| 12235      | 09/25/2008 | 11:17:31 | 0.102                     |
| 12236      | 09/25/2008 | 11:17:32 | 0.054                     |
| 12237      | 09/25/2008 | 11:17:33 | 0.058                     |
| 12238      | 09/25/2008 | 11:17:34 | 0.052                     |
| 12239      | 09/25/2008 | 11:17:35 | 0.053                     |
| 12240      | 09/25/2008 | 11:17:36 | 0.048                     |
| 12241      | 09/25/2008 | 11:17:37 | 0.054                     |
| 12242      | 09/25/2008 | 11:17:38 | 0.045                     |
| 12243      | 09/25/2008 | 11:17:39 | 0.051                     |
| 12244      | 09/25/2008 | 11:17:40 | 0.066                     |
| 12245      | 09/25/2008 | 11:17:41 | 0.050                     |
| 12246      | 09/25/2008 | 11:17:42 | 0.057                     |
| 12247      | 09/25/2008 | 11:17:43 | 0.053                     |
| 12248      | 09/25/2008 | 11:17:44 | 0.050                     |
| 12249      | 09/25/2008 | 11:17:45 | 0.056                     |
| 12250      | 09/25/2008 | 11:17:46 | 0.046                     |
| 12251      | 09/25/2008 | 11:17:47 | 0.050                     |
| 12252      | 09/25/2008 | 11:17:48 | 0.051                     |
| 12253      | 09/25/2008 | 11:17:49 | 0.052                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 12254      | 09/25/2008 | 11:17:50 | 0.054                     |
| 12255      | 09/25/2008 | 11:17:51 | 0.051                     |
| 12256      | 09/25/2008 | 11:17:52 | 0.051                     |
| 12257      | 09/25/2008 | 11:17:53 | 0.063                     |
| 12258      | 09/25/2008 | 11:17:54 | 0.055                     |
| 12259      | 09/25/2008 | 11:17:55 | 0.053                     |
| 12260      | 09/25/2008 | 11:17:56 | 0.050                     |
| 12261      | 09/25/2008 | 11:17:57 | 0.050                     |
| 12262      | 09/25/2008 | 11:17:58 | 0.058                     |
| 12263      | 09/25/2008 | 11:17:59 | 0.048                     |
| 12264      | 09/25/2008 | 11:18:00 | 0.056                     |
| 12265      | 09/25/2008 | 11:18:01 | 0.055                     |
| 12266      | 09/25/2008 | 11:18:02 | 0.059                     |
| 12267      | 09/25/2008 | 11:18:03 | 0.066                     |
| 12268      | 09/25/2008 | 11:18:04 | 0.064                     |
| 12269      | 09/25/2008 | 11:18:05 | 0.070                     |
| 12270      | 09/25/2008 | 11:18:06 | 0.069                     |
| 12271      | 09/25/2008 | 11:18:07 | 0.053                     |
| 12272      | 09/25/2008 | 11:18:08 | 0.050                     |
| 12273      | 09/25/2008 | 11:18:09 | 0.050                     |
| 12274      | 09/25/2008 | 11:18:10 | 0.052                     |
| 12275      | 09/25/2008 | 11:18:11 | 0.064                     |
| 12276      | 09/25/2008 | 11:18:12 | 0.049                     |
| 12277      | 09/25/2008 | 11:18:13 | 0.047                     |
| 12278      | 09/25/2008 | 11:18:14 | 0.058                     |
| 12279      | 09/25/2008 | 11:18:15 | 0.061                     |
| 12280      | 09/25/2008 | 11:18:16 | 0.048                     |
| 12281      | 09/25/2008 | 11:18:17 | 0.052                     |
| 12282      | 09/25/2008 | 11:18:18 | 0.074                     |
| 12283      | 09/25/2008 | 11:18:19 | 0.056                     |
| 12284      | 09/25/2008 | 11:18:20 | 0.052                     |
| 12285      | 09/25/2008 | 11:18:21 | 0.051                     |
| 12286      | 09/25/2008 | 11:18:22 | 0.056                     |
| 12287      | 09/25/2008 | 11:18:23 | 0.055                     |
| 12288      | 09/25/2008 | 11:18:24 | 0.060                     |
| 12289      | 09/25/2008 | 11:18:25 | 0.051                     |
| 12290      | 09/25/2008 | 11:18:26 | 0.051                     |
| 12291      | 09/25/2008 | 11:18:27 | 0.056                     |
| 12292      | 09/25/2008 | 11:18:28 | 0.054                     |
| 12293      | 09/25/2008 | 11:18:29 | 0.052                     |
| 12294      | 09/25/2008 | 11:18:30 | 0.056                     |
| 12295      | 09/25/2008 | 11:18:31 | 0.059                     |
| 12296      | 09/25/2008 | 11:18:32 | 0.059                     |
| 12297      | 09/25/2008 | 11:18:33 | 0.052                     |
| 12298      | 09/25/2008 | 11:18:34 | 0.053                     |
| 12299      | 09/25/2008 | 11:18:35 | 0.054                     |
| 12300      | 09/25/2008 | 11:18:36 | 0.055                     |
| 12301      | 09/25/2008 | 11:18:37 | 0.064                     |
| 12302      | 09/25/2008 | 11:18:38 | 0.054                     |
| 12303      | 09/25/2008 | 11:18:39 | 0.052                     |
| 12304      | 09/25/2008 | 11:18:40 | 0.052                     |
| 12305      | 09/25/2008 | 11:18:41 | 0.053                     |
| 12306      | 09/25/2008 | 11:18:42 | 0.049                     |
| 12307      | 09/25/2008 | 11:18:43 | 0.052                     |
| 12308      | 09/25/2008 | 11:18:44 | 0.053                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 12309      | 09/25/2008 | 11:18:45 | 0.054                     |
| 12310      | 09/25/2008 | 11:18:46 | 0.049                     |
| 12311      | 09/25/2008 | 11:18:47 | 0.058                     |
| 12312      | 09/25/2008 | 11:18:48 | 0.052                     |
| 12313      | 09/25/2008 | 11:18:49 | 0.049                     |
| 12314      | 09/25/2008 | 11:18:50 | 0.056                     |
| 12315      | 09/25/2008 | 11:18:51 | 0.051                     |
| 12316      | 09/25/2008 | 11:18:52 | 0.061                     |
| 12317      | 09/25/2008 | 11:18:53 | 0.057                     |
| 12318      | 09/25/2008 | 11:18:54 | 0.051                     |
| 12319      | 09/25/2008 | 11:18:55 | 0.048                     |
| 12320      | 09/25/2008 | 11:18:56 | 0.051                     |
| 12321      | 09/25/2008 | 11:18:57 | 0.055                     |
| 12322      | 09/25/2008 | 11:18:58 | 0.064                     |
| 12323      | 09/25/2008 | 11:18:59 | 0.051                     |
| 12324      | 09/25/2008 | 11:19:00 | 0.050                     |
| 12325      | 09/25/2008 | 11:19:01 | 0.049                     |
| 12326      | 09/25/2008 | 11:19:02 | 0.052                     |
| 12327      | 09/25/2008 | 11:19:03 | 0.049                     |
| 12328      | 09/25/2008 | 11:19:04 | 0.091                     |
| 12329      | 09/25/2008 | 11:19:05 | 0.048                     |
| 12330      | 09/25/2008 | 11:19:06 | 0.054                     |
| 12331      | 09/25/2008 | 11:19:07 | 0.051                     |
| 12332      | 09/25/2008 | 11:19:08 | 0.050                     |
| 12333      | 09/25/2008 | 11:19:09 | 0.051                     |
| 12334      | 09/25/2008 | 11:19:10 | 0.047                     |
| 12335      | 09/25/2008 | 11:19:11 | 0.061                     |
| 12336      | 09/25/2008 | 11:19:12 | 0.048                     |
| 12337      | 09/25/2008 | 11:19:13 | 0.054                     |
| 12338      | 09/25/2008 | 11:19:14 | 0.049                     |
| 12339      | 09/25/2008 | 11:19:15 | 0.062                     |
| 12340      | 09/25/2008 | 11:19:16 | 0.080                     |
| 12341      | 09/25/2008 | 11:19:17 | 0.053                     |
| 12342      | 09/25/2008 | 11:19:18 | 0.050                     |
| 12343      | 09/25/2008 | 11:19:19 | 0.064                     |
| 12344      | 09/25/2008 | 11:19:20 | 0.049                     |
| 12345      | 09/25/2008 | 11:19:21 | 0.051                     |
| 12346      | 09/25/2008 | 11:19:22 | 0.053                     |
| 12347      | 09/25/2008 | 11:19:23 | 0.055                     |
| 12348      | 09/25/2008 | 11:19:24 | 0.052                     |
| 12349      | 09/25/2008 | 11:19:25 | 0.050                     |
| 12350      | 09/25/2008 | 11:19:26 | 0.063                     |
| 12351      | 09/25/2008 | 11:19:27 | 0.057                     |
| 12352      | 09/25/2008 | 11:19:28 | 0.050                     |
| 12353      | 09/25/2008 | 11:19:29 | 0.050                     |
| 12354      | 09/25/2008 | 11:19:30 | 0.058                     |
| 12355      | 09/25/2008 | 11:19:31 | 0.050                     |
| 12356      | 09/25/2008 | 11:19:32 | 0.051                     |
| 12357      | 09/25/2008 | 11:19:33 | 0.078                     |
| 12358      | 09/25/2008 | 11:19:34 | 0.053                     |
| 12359      | 09/25/2008 | 11:19:35 | 0.047                     |
| 12360      | 09/25/2008 | 11:19:36 | 0.048                     |
| 12361      | 09/25/2008 | 11:19:37 | 0.053                     |
| 12362      | 09/25/2008 | 11:19:38 | 0.049                     |
| 12363      | 09/25/2008 | 11:19:39 | 0.050                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 12364      | 09/25/2008 | 11:19:40 | 0.053                     |
| 12365      | 09/25/2008 | 11:19:41 | 0.058                     |
| 12366      | 09/25/2008 | 11:19:42 | 0.059                     |
| 12367      | 09/25/2008 | 11:19:43 | 0.048                     |
| 12368      | 09/25/2008 | 11:19:44 | 0.052                     |
| 12369      | 09/25/2008 | 11:19:45 | 0.056                     |
| 12370      | 09/25/2008 | 11:19:46 | 0.057                     |
| 12371      | 09/25/2008 | 11:19:47 | 0.053                     |
| 12372      | 09/25/2008 | 11:19:48 | 0.051                     |
| 12373      | 09/25/2008 | 11:19:49 | 0.054                     |
| 12374      | 09/25/2008 | 11:19:50 | 0.050                     |
| 12375      | 09/25/2008 | 11:19:51 | 0.053                     |
| 12376      | 09/25/2008 | 11:19:52 | 0.063                     |
| 12377      | 09/25/2008 | 11:19:53 | 0.056                     |
| 12378      | 09/25/2008 | 11:19:54 | 0.056                     |
| 12379      | 09/25/2008 | 11:19:55 | 0.050                     |
| 12380      | 09/25/2008 | 11:19:56 | 0.067                     |
| 12381      | 09/25/2008 | 11:19:57 | 0.099                     |
| 12382      | 09/25/2008 | 11:19:58 | 0.164                     |
| 12383      | 09/25/2008 | 11:19:59 | 0.049                     |
| 12384      | 09/25/2008 | 11:20:00 | 0.049                     |
| 12385      | 09/25/2008 | 11:20:01 | 0.049                     |
| 12386      | 09/25/2008 | 11:20:02 | 0.056                     |
| 12387      | 09/25/2008 | 11:20:03 | 0.046                     |
| 12388      | 09/25/2008 | 11:20:04 | 0.049                     |
| 12389      | 09/25/2008 | 11:20:05 | 0.050                     |
| 12390      | 09/25/2008 | 11:20:06 | 0.053                     |
| 12391      | 09/25/2008 | 11:20:07 | 0.053                     |
| 12392      | 09/25/2008 | 11:20:08 | 0.055                     |
| 12393      | 09/25/2008 | 11:20:09 | 0.058                     |
| 12394      | 09/25/2008 | 11:20:10 | 0.044                     |
| 12395      | 09/25/2008 | 11:20:11 | 0.055                     |
| 12396      | 09/25/2008 | 11:20:12 | 0.057                     |
| 12397      | 09/25/2008 | 11:20:13 | 0.046                     |
| 12398      | 09/25/2008 | 11:20:14 | 0.053                     |
| 12399      | 09/25/2008 | 11:20:15 | 0.047                     |
| 12400      | 09/25/2008 | 11:20:16 | 0.053                     |
| 12401      | 09/25/2008 | 11:20:17 | 0.050                     |
| 12402      | 09/25/2008 | 11:20:18 | 0.058                     |
| 12403      | 09/25/2008 | 11:20:19 | 0.136                     |
| 12404      | 09/25/2008 | 11:20:20 | 0.049                     |
| 12405      | 09/25/2008 | 11:20:21 | 0.054                     |
| 12406      | 09/25/2008 | 11:20:22 | 0.052                     |
| 12407      | 09/25/2008 | 11:20:23 | 0.050                     |
| 12408      | 09/25/2008 | 11:20:24 | 0.051                     |
| 12409      | 09/25/2008 | 11:20:25 | 0.053                     |
| 12410      | 09/25/2008 | 11:20:26 | 0.050                     |
| 12411      | 09/25/2008 | 11:20:27 | 0.049                     |
| 12412      | 09/25/2008 | 11:20:28 | 0.056                     |
| 12413      | 09/25/2008 | 11:20:29 | 0.047                     |
| 12414      | 09/25/2008 | 11:20:30 | 0.050                     |
| 12415      | 09/25/2008 | 11:20:31 | 0.049                     |
| 12416      | 09/25/2008 | 11:20:32 | 0.052                     |
| 12417      | 09/25/2008 | 11:20:33 | 0.057                     |
| 12418      | 09/25/2008 | 11:20:34 | 0.083                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 12419      | 09/25/2008 | 11:20:35 | 0.054                     |
| 12420      | 09/25/2008 | 11:20:36 | 0.048                     |
| 12421      | 09/25/2008 | 11:20:37 | 0.052                     |
| 12422      | 09/25/2008 | 11:20:38 | 0.050                     |
| 12423      | 09/25/2008 | 11:20:39 | 0.061                     |
| 12424      | 09/25/2008 | 11:20:40 | 0.048                     |
| 12425      | 09/25/2008 | 11:20:41 | 0.049                     |
| 12426      | 09/25/2008 | 11:20:42 | 0.053                     |
| 12427      | 09/25/2008 | 11:20:43 | 0.053                     |
| 12428      | 09/25/2008 | 11:20:44 | 0.054                     |
| 12429      | 09/25/2008 | 11:20:45 | 0.054                     |
| 12430      | 09/25/2008 | 11:20:46 | 0.051                     |
| 12431      | 09/25/2008 | 11:20:47 | 0.057                     |
| 12432      | 09/25/2008 | 11:20:48 | 0.074                     |
| 12433      | 09/25/2008 | 11:20:49 | 0.051                     |
| 12434      | 09/25/2008 | 11:20:50 | 0.047                     |
| 12435      | 09/25/2008 | 11:20:51 | 0.048                     |
| 12436      | 09/25/2008 | 11:20:52 | 0.050                     |
| 12437      | 09/25/2008 | 11:20:53 | 0.053                     |
| 12438      | 09/25/2008 | 11:20:54 | 0.050                     |
| 12439      | 09/25/2008 | 11:20:55 | 0.053                     |
| 12440      | 09/25/2008 | 11:20:56 | 0.052                     |
| 12441      | 09/25/2008 | 11:20:57 | 0.051                     |
| 12442      | 09/25/2008 | 11:20:58 | 0.053                     |
| 12443      | 09/25/2008 | 11:20:59 | 0.050                     |
| 12444      | 09/25/2008 | 11:21:00 | 0.057                     |
| 12445      | 09/25/2008 | 11:21:01 | 0.056                     |
| 12446      | 09/25/2008 | 11:21:02 | 0.051                     |
| 12447      | 09/25/2008 | 11:21:03 | 0.053                     |
| 12448      | 09/25/2008 | 11:21:04 | 0.067                     |
| 12449      | 09/25/2008 | 11:21:05 | 0.051                     |
| 12450      | 09/25/2008 | 11:21:06 | 0.070                     |
| 12451      | 09/25/2008 | 11:21:07 | 0.052                     |
| 12452      | 09/25/2008 | 11:21:08 | 0.051                     |
| 12453      | 09/25/2008 | 11:21:09 | 0.054                     |
| 12454      | 09/25/2008 | 11:21:10 | 0.112                     |
| 12455      | 09/25/2008 | 11:21:11 | 0.049                     |
| 12456      | 09/25/2008 | 11:21:12 | 0.050                     |
| 12457      | 09/25/2008 | 11:21:13 | 0.055                     |
| 12458      | 09/25/2008 | 11:21:14 | 0.048                     |
| 12459      | 09/25/2008 | 11:21:15 | 0.050                     |
| 12460      | 09/25/2008 | 11:21:16 | 0.054                     |
| 12461      | 09/25/2008 | 11:21:17 | 0.049                     |
| 12462      | 09/25/2008 | 11:21:18 | 0.046                     |
| 12463      | 09/25/2008 | 11:21:19 | 0.048                     |
| 12464      | 09/25/2008 | 11:21:20 | 0.049                     |
| 12465      | 09/25/2008 | 11:21:21 | 0.058                     |
| 12466      | 09/25/2008 | 11:21:22 | 0.050                     |
| 12467      | 09/25/2008 | 11:21:23 | 0.060                     |
| 12468      | 09/25/2008 | 11:21:24 | 0.050                     |
| 12469      | 09/25/2008 | 11:21:25 | 0.115                     |
| 12470      | 09/25/2008 | 11:21:26 | 0.058                     |
| 12471      | 09/25/2008 | 11:21:27 | 0.051                     |
| 12472      | 09/25/2008 | 11:21:28 | 0.066                     |
| 12473      | 09/25/2008 | 11:21:29 | 0.051                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 12474      | 09/25/2008 | 11:21:30 | 0.053                     |
| 12475      | 09/25/2008 | 11:21:31 | 0.048                     |
| 12476      | 09/25/2008 | 11:21:32 | 0.089                     |
| 12477      | 09/25/2008 | 11:21:33 | 0.050                     |
| 12478      | 09/25/2008 | 11:21:34 | 0.047                     |
| 12479      | 09/25/2008 | 11:21:35 | 0.056                     |
| 12480      | 09/25/2008 | 11:21:36 | 0.051                     |
| 12481      | 09/25/2008 | 11:21:37 | 0.054                     |
| 12482      | 09/25/2008 | 11:21:38 | 0.052                     |
| 12483      | 09/25/2008 | 11:21:39 | 0.054                     |
| 12484      | 09/25/2008 | 11:21:40 | 0.048                     |
| 12485      | 09/25/2008 | 11:21:41 | 0.059                     |
| 12486      | 09/25/2008 | 11:21:42 | 0.063                     |
| 12487      | 09/25/2008 | 11:21:43 | 0.058                     |
| 12488      | 09/25/2008 | 11:21:44 | 0.070                     |
| 12489      | 09/25/2008 | 11:21:45 | 0.055                     |
| 12490      | 09/25/2008 | 11:21:46 | 0.049                     |
| 12491      | 09/25/2008 | 11:21:47 | 0.052                     |
| 12492      | 09/25/2008 | 11:21:48 | 0.052                     |
| 12493      | 09/25/2008 | 11:21:49 | 0.060                     |
| 12494      | 09/25/2008 | 11:21:50 | 0.050                     |
| 12495      | 09/25/2008 | 11:21:51 | 0.053                     |
| 12496      | 09/25/2008 | 11:21:52 | 0.055                     |
| 12497      | 09/25/2008 | 11:21:53 | 0.053                     |
| 12498      | 09/25/2008 | 11:21:54 | 0.058                     |
| 12499      | 09/25/2008 | 11:21:55 | 0.064                     |
| 12500      | 09/25/2008 | 11:21:56 | 0.071                     |
| 12501      | 09/25/2008 | 11:21:57 | 0.070                     |
| 12502      | 09/25/2008 | 11:21:58 | 0.061                     |
| 12503      | 09/25/2008 | 11:21:59 | 0.055                     |
| 12504      | 09/25/2008 | 11:22:00 | 0.058                     |
| 12505      | 09/25/2008 | 11:22:01 | 0.050                     |
| 12506      | 09/25/2008 | 11:22:02 | 0.052                     |
| 12507      | 09/25/2008 | 11:22:03 | 0.050                     |
| 12508      | 09/25/2008 | 11:22:04 | 0.058                     |
| 12509      | 09/25/2008 | 11:22:05 | 0.052                     |
| 12510      | 09/25/2008 | 11:22:06 | 0.056                     |
| 12511      | 09/25/2008 | 11:22:07 | 0.052                     |
| 12512      | 09/25/2008 | 11:22:08 | 0.054                     |
| 12513      | 09/25/2008 | 11:22:09 | 0.052                     |
| 12514      | 09/25/2008 | 11:22:10 | 0.057                     |
| 12515      | 09/25/2008 | 11:22:11 | 0.054                     |
| 12516      | 09/25/2008 | 11:22:12 | 0.050                     |
| 12517      | 09/25/2008 | 11:22:13 | 0.060                     |
| 12518      | 09/25/2008 | 11:22:14 | 0.056                     |
| 12519      | 09/25/2008 | 11:22:15 | 0.051                     |
| 12520      | 09/25/2008 | 11:22:16 | 0.055                     |
| 12521      | 09/25/2008 | 11:22:17 | 0.052                     |
| 12522      | 09/25/2008 | 11:22:18 | 0.050                     |
| 12523      | 09/25/2008 | 11:22:19 | 0.047                     |
| 12524      | 09/25/2008 | 11:22:20 | 0.060                     |
| 12525      | 09/25/2008 | 11:22:21 | 0.047                     |
| 12526      | 09/25/2008 | 11:22:22 | 0.052                     |
| 12527      | 09/25/2008 | 11:22:23 | 0.065                     |
| 12528      | 09/25/2008 | 11:22:24 | 0.051                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 12529      | 09/25/2008 | 11:22:25 | 0.051                     |
| 12530      | 09/25/2008 | 11:22:26 | 0.053                     |
| 12531      | 09/25/2008 | 11:22:27 | 0.050                     |
| 12532      | 09/25/2008 | 11:22:28 | 0.052                     |
| 12533      | 09/25/2008 | 11:22:29 | 0.053                     |
| 12534      | 09/25/2008 | 11:22:30 | 0.053                     |
| 12535      | 09/25/2008 | 11:22:31 | 0.056                     |
| 12536      | 09/25/2008 | 11:22:32 | 0.050                     |
| 12537      | 09/25/2008 | 11:22:33 | 0.048                     |
| 12538      | 09/25/2008 | 11:22:34 | 0.050                     |
| 12539      | 09/25/2008 | 11:22:35 | 0.049                     |
| 12540      | 09/25/2008 | 11:22:36 | 0.050                     |
| 12541      | 09/25/2008 | 11:22:37 | 0.051                     |
| 12542      | 09/25/2008 | 11:22:38 | 0.052                     |
| 12543      | 09/25/2008 | 11:22:39 | 0.051                     |
| 12544      | 09/25/2008 | 11:22:40 | 0.051                     |
| 12545      | 09/25/2008 | 11:22:41 | 0.051                     |
| 12546      | 09/25/2008 | 11:22:42 | 0.055                     |
| 12547      | 09/25/2008 | 11:22:43 | 0.062                     |
| 12548      | 09/25/2008 | 11:22:44 | 0.047                     |
| 12549      | 09/25/2008 | 11:22:45 | 0.055                     |
| 12550      | 09/25/2008 | 11:22:46 | 0.065                     |
| 12551      | 09/25/2008 | 11:22:47 | 0.050                     |
| 12552      | 09/25/2008 | 11:22:48 | 0.050                     |
| 12553      | 09/25/2008 | 11:22:49 | 0.060                     |
| 12554      | 09/25/2008 | 11:22:50 | 0.057                     |
| 12555      | 09/25/2008 | 11:22:51 | 0.049                     |
| 12556      | 09/25/2008 | 11:22:52 | 0.055                     |
| 12557      | 09/25/2008 | 11:22:53 | 0.051                     |
| 12558      | 09/25/2008 | 11:22:54 | 0.054                     |
| 12559      | 09/25/2008 | 11:22:55 | 0.049                     |
| 12560      | 09/25/2008 | 11:22:56 | 0.048                     |
| 12561      | 09/25/2008 | 11:22:57 | 0.048                     |
| 12562      | 09/25/2008 | 11:22:58 | 0.052                     |
| 12563      | 09/25/2008 | 11:22:59 | 0.053                     |
| 12564      | 09/25/2008 | 11:23:00 | 0.050                     |
| 12565      | 09/25/2008 | 11:23:01 | 0.048                     |
| 12566      | 09/25/2008 | 11:23:02 | 0.048                     |
| 12567      | 09/25/2008 | 11:23:03 | 0.046                     |
| 12568      | 09/25/2008 | 11:23:04 | 0.053                     |
| 12569      | 09/25/2008 | 11:23:05 | 0.053                     |
| 12570      | 09/25/2008 | 11:23:06 | 0.053                     |
| 12571      | 09/25/2008 | 11:23:07 | 0.053                     |
| 12572      | 09/25/2008 | 11:23:08 | 0.050                     |
| 12573      | 09/25/2008 | 11:23:09 | 0.049                     |
| 12574      | 09/25/2008 | 11:23:10 | 0.067                     |
| 12575      | 09/25/2008 | 11:23:11 | 0.051                     |
| 12576      | 09/25/2008 | 11:23:12 | 0.044                     |
| 12577      | 09/25/2008 | 11:23:13 | 0.047                     |
| 12578      | 09/25/2008 | 11:23:14 | 0.050                     |
| 12579      | 09/25/2008 | 11:23:15 | 0.052                     |
| 12580      | 09/25/2008 | 11:23:16 | 0.060                     |
| 12581      | 09/25/2008 | 11:23:17 | 0.056                     |
| 12582      | 09/25/2008 | 11:23:18 | 0.061                     |
| 12583      | 09/25/2008 | 11:23:19 | 0.049                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 12584      | 09/25/2008 | 11:23:20 | 0.050                     |
| 12585      | 09/25/2008 | 11:23:21 | 0.052                     |
| 12586      | 09/25/2008 | 11:23:22 | 0.062                     |
| 12587      | 09/25/2008 | 11:23:23 | 0.060                     |
| 12588      | 09/25/2008 | 11:23:24 | 0.054                     |
| 12589      | 09/25/2008 | 11:23:25 | 0.048                     |
| 12590      | 09/25/2008 | 11:23:26 | 0.049                     |
| 12591      | 09/25/2008 | 11:23:27 | 0.047                     |
| 12592      | 09/25/2008 | 11:23:28 | 0.050                     |
| 12593      | 09/25/2008 | 11:23:29 | 0.050                     |
| 12594      | 09/25/2008 | 11:23:30 | 0.050                     |
| 12595      | 09/25/2008 | 11:23:31 | 0.050                     |
| 12596      | 09/25/2008 | 11:23:32 | 0.051                     |
| 12597      | 09/25/2008 | 11:23:33 | 0.042                     |
| 12598      | 09/25/2008 | 11:23:34 | 0.056                     |
| 12599      | 09/25/2008 | 11:23:35 | 0.047                     |
| 12600      | 09/25/2008 | 11:23:36 | 0.061                     |
| 12601      | 09/25/2008 | 11:23:37 | 0.053                     |
| 12602      | 09/25/2008 | 11:23:38 | 0.058                     |
| 12603      | 09/25/2008 | 11:23:39 | 0.052                     |
| 12604      | 09/25/2008 | 11:23:40 | 0.047                     |
| 12605      | 09/25/2008 | 11:23:41 | 0.054                     |
| 12606      | 09/25/2008 | 11:23:42 | 0.059                     |
| 12607      | 09/25/2008 | 11:23:43 | 0.058                     |
| 12608      | 09/25/2008 | 11:23:44 | 0.051                     |
| 12609      | 09/25/2008 | 11:23:45 | 0.047                     |
| 12610      | 09/25/2008 | 11:23:46 | 0.056                     |
| 12611      | 09/25/2008 | 11:23:47 | 0.047                     |
| 12612      | 09/25/2008 | 11:23:48 | 0.055                     |
| 12613      | 09/25/2008 | 11:23:49 | 0.056                     |
| 12614      | 09/25/2008 | 11:23:50 | 0.050                     |
| 12615      | 09/25/2008 | 11:23:51 | 0.051                     |
| 12616      | 09/25/2008 | 11:23:52 | 0.049                     |
| 12617      | 09/25/2008 | 11:23:53 | 0.049                     |
| 12618      | 09/25/2008 | 11:23:54 | 0.047                     |
| 12619      | 09/25/2008 | 11:23:55 | 0.054                     |
| 12620      | 09/25/2008 | 11:23:56 | 0.052                     |
| 12621      | 09/25/2008 | 11:23:57 | 0.050                     |
| 12622      | 09/25/2008 | 11:23:58 | 0.056                     |
| 12623      | 09/25/2008 | 11:23:59 | 0.050                     |
| 12624      | 09/25/2008 | 11:24:00 | 0.052                     |
| 12625      | 09/25/2008 | 11:24:01 | 0.075                     |
| 12626      | 09/25/2008 | 11:24:02 | 0.063                     |
| 12627      | 09/25/2008 | 11:24:03 | 0.057                     |
| 12628      | 09/25/2008 | 11:24:04 | 0.050                     |
| 12629      | 09/25/2008 | 11:24:05 | 0.050                     |
| 12630      | 09/25/2008 | 11:24:06 | 0.054                     |
| 12631      | 09/25/2008 | 11:24:07 | 0.049                     |
| 12632      | 09/25/2008 | 11:24:08 | 0.048                     |
| 12633      | 09/25/2008 | 11:24:09 | 0.052                     |
| 12634      | 09/25/2008 | 11:24:10 | 0.066                     |
| 12635      | 09/25/2008 | 11:24:11 | 0.068                     |
| 12636      | 09/25/2008 | 11:24:12 | 0.069                     |
| 12637      | 09/25/2008 | 11:24:13 | 0.050                     |
| 12638      | 09/25/2008 | 11:24:14 | 0.048                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 12639      | 09/25/2008 | 11:24:15 | 0.071                     |
| 12640      | 09/25/2008 | 11:24:16 | 0.056                     |
| 12641      | 09/25/2008 | 11:24:17 | 0.050                     |
| 12642      | 09/25/2008 | 11:24:18 | 0.053                     |
| 12643      | 09/25/2008 | 11:24:19 | 0.055                     |
| 12644      | 09/25/2008 | 11:24:20 | 0.050                     |
| 12645      | 09/25/2008 | 11:24:21 | 0.052                     |
| 12646      | 09/25/2008 | 11:24:22 | 0.051                     |
| 12647      | 09/25/2008 | 11:24:23 | 0.052                     |
| 12648      | 09/25/2008 | 11:24:24 | 0.056                     |
| 12649      | 09/25/2008 | 11:24:25 | 0.044                     |
| 12650      | 09/25/2008 | 11:24:26 | 0.054                     |
| 12651      | 09/25/2008 | 11:24:27 | 0.052                     |
| 12652      | 09/25/2008 | 11:24:28 | 0.054                     |
| 12653      | 09/25/2008 | 11:24:29 | 0.052                     |
| 12654      | 09/25/2008 | 11:24:30 | 0.070                     |
| 12655      | 09/25/2008 | 11:24:31 | 0.048                     |
| 12656      | 09/25/2008 | 11:24:32 | 0.052                     |
| 12657      | 09/25/2008 | 11:24:33 | 0.052                     |
| 12658      | 09/25/2008 | 11:24:34 | 0.049                     |
| 12659      | 09/25/2008 | 11:24:35 | 0.056                     |
| 12660      | 09/25/2008 | 11:24:36 | 0.052                     |
| 12661      | 09/25/2008 | 11:24:37 | 0.051                     |
| 12662      | 09/25/2008 | 11:24:38 | 0.049                     |
| 12663      | 09/25/2008 | 11:24:39 | 0.055                     |
| 12664      | 09/25/2008 | 11:24:40 | 0.054                     |
| 12665      | 09/25/2008 | 11:24:41 | 0.052                     |
| 12666      | 09/25/2008 | 11:24:42 | 0.048                     |
| 12667      | 09/25/2008 | 11:24:43 | 0.050                     |
| 12668      | 09/25/2008 | 11:24:44 | 0.048                     |
| 12669      | 09/25/2008 | 11:24:45 | 0.052                     |
| 12670      | 09/25/2008 | 11:24:46 | 0.048                     |
| 12671      | 09/25/2008 | 11:24:47 | 0.057                     |
| 12672      | 09/25/2008 | 11:24:48 | 0.057                     |
| 12673      | 09/25/2008 | 11:24:49 | 0.048                     |
| 12674      | 09/25/2008 | 11:24:50 | 0.068                     |
| 12675      | 09/25/2008 | 11:24:51 | 0.049                     |
| 12676      | 09/25/2008 | 11:24:52 | 0.050                     |
| 12677      | 09/25/2008 | 11:24:53 | 0.052                     |
| 12678      | 09/25/2008 | 11:24:54 | 0.055                     |
| 12679      | 09/25/2008 | 11:24:55 | 0.059                     |
| 12680      | 09/25/2008 | 11:24:56 | 0.048                     |
| 12681      | 09/25/2008 | 11:24:57 | 0.052                     |
| 12682      | 09/25/2008 | 11:24:58 | 0.048                     |
| 12683      | 09/25/2008 | 11:24:59 | 0.050                     |
| 12684      | 09/25/2008 | 11:25:00 | 0.051                     |
| 12685      | 09/25/2008 | 11:25:01 | 0.056                     |
| 12686      | 09/25/2008 | 11:25:02 | 0.048                     |
| 12687      | 09/25/2008 | 11:25:03 | 0.052                     |
| 12688      | 09/25/2008 | 11:25:04 | 0.080                     |
| 12689      | 09/25/2008 | 11:25:05 | 0.048                     |
| 12690      | 09/25/2008 | 11:25:06 | 0.050                     |
| 12691      | 09/25/2008 | 11:25:07 | 0.047                     |
| 12692      | 09/25/2008 | 11:25:08 | 0.055                     |
| 12693      | 09/25/2008 | 11:25:09 | 0.052                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 12694      | 09/25/2008 | 11:25:10 | 0.050                     |
| 12695      | 09/25/2008 | 11:25:11 | 0.053                     |
| 12696      | 09/25/2008 | 11:25:12 | 0.049                     |
| 12697      | 09/25/2008 | 11:25:13 | 0.049                     |
| 12698      | 09/25/2008 | 11:25:14 | 0.052                     |
| 12699      | 09/25/2008 | 11:25:15 | 0.060                     |
| 12700      | 09/25/2008 | 11:25:16 | 0.055                     |
| 12701      | 09/25/2008 | 11:25:17 | 0.050                     |
| 12702      | 09/25/2008 | 11:25:18 | 0.053                     |
| 12703      | 09/25/2008 | 11:25:19 | 0.055                     |
| 12704      | 09/25/2008 | 11:25:20 | 0.056                     |
| 12705      | 09/25/2008 | 11:25:21 | 0.081                     |
| 12706      | 09/25/2008 | 11:25:22 | 0.047                     |
| 12707      | 09/25/2008 | 11:25:23 | 0.052                     |
| 12708      | 09/25/2008 | 11:25:24 | 0.049                     |
| 12709      | 09/25/2008 | 11:25:25 | 0.050                     |
| 12710      | 09/25/2008 | 11:25:26 | 0.050                     |
| 12711      | 09/25/2008 | 11:25:27 | 0.051                     |
| 12712      | 09/25/2008 | 11:25:28 | 0.054                     |
| 12713      | 09/25/2008 | 11:25:29 | 0.054                     |
| 12714      | 09/25/2008 | 11:25:30 | 0.053                     |
| 12715      | 09/25/2008 | 11:25:31 | 0.047                     |
| 12716      | 09/25/2008 | 11:25:32 | 0.054                     |
| 12717      | 09/25/2008 | 11:25:33 | 0.075                     |
| 12718      | 09/25/2008 | 11:25:34 | 0.049                     |
| 12719      | 09/25/2008 | 11:25:35 | 0.051                     |
| 12720      | 09/25/2008 | 11:25:36 | 0.046                     |
| 12721      | 09/25/2008 | 11:25:37 | 0.060                     |
| 12722      | 09/25/2008 | 11:25:38 | 0.048                     |
| 12723      | 09/25/2008 | 11:25:39 | 0.099                     |
| 12724      | 09/25/2008 | 11:25:40 | 0.052                     |
| 12725      | 09/25/2008 | 11:25:41 | 0.051                     |
| 12726      | 09/25/2008 | 11:25:42 | 0.049                     |
| 12727      | 09/25/2008 | 11:25:43 | 0.051                     |
| 12728      | 09/25/2008 | 11:25:44 | 0.048                     |
| 12729      | 09/25/2008 | 11:25:45 | 0.047                     |
| 12730      | 09/25/2008 | 11:25:46 | 0.064                     |
| 12731      | 09/25/2008 | 11:25:47 | 0.055                     |
| 12732      | 09/25/2008 | 11:25:48 | 0.049                     |
| 12733      | 09/25/2008 | 11:25:49 | 0.055                     |
| 12734      | 09/25/2008 | 11:25:50 | 0.046                     |
| 12735      | 09/25/2008 | 11:25:51 | 0.050                     |
| 12736      | 09/25/2008 | 11:25:52 | 0.050                     |
| 12737      | 09/25/2008 | 11:25:53 | 0.048                     |
| 12738      | 09/25/2008 | 11:25:54 | 0.048                     |
| 12739      | 09/25/2008 | 11:25:55 | 0.051                     |
| 12740      | 09/25/2008 | 11:25:56 | 0.058                     |
| 12741      | 09/25/2008 | 11:25:57 | 0.049                     |
| 12742      | 09/25/2008 | 11:25:58 | 0.051                     |
| 12743      | 09/25/2008 | 11:25:59 | 0.048                     |
| 12744      | 09/25/2008 | 11:26:00 | 0.046                     |
| 12745      | 09/25/2008 | 11:26:01 | 0.052                     |
| 12746      | 09/25/2008 | 11:26:02 | 0.053                     |
| 12747      | 09/25/2008 | 11:26:03 | 0.056                     |
| 12748      | 09/25/2008 | 11:26:04 | 0.054                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 12749      | 09/25/2008 | 11:26:05 | 0.053                     |
| 12750      | 09/25/2008 | 11:26:06 | 0.048                     |
| 12751      | 09/25/2008 | 11:26:07 | 0.050                     |
| 12752      | 09/25/2008 | 11:26:08 | 0.046                     |
| 12753      | 09/25/2008 | 11:26:09 | 0.051                     |
| 12754      | 09/25/2008 | 11:26:10 | 0.106                     |
| 12755      | 09/25/2008 | 11:26:11 | 0.052                     |
| 12756      | 09/25/2008 | 11:26:12 | 0.049                     |
| 12757      | 09/25/2008 | 11:26:13 | 0.055                     |
| 12758      | 09/25/2008 | 11:26:14 | 0.510                     |
| 12759      | 09/25/2008 | 11:26:15 | 1.006                     |
| 12760      | 09/25/2008 | 11:26:16 | 0.165                     |
| 12761      | 09/25/2008 | 11:26:17 | 0.074                     |
| 12762      | 09/25/2008 | 11:26:18 | 0.079                     |
| 12763      | 09/25/2008 | 11:26:19 | 0.069                     |
| 12764      | 09/25/2008 | 11:26:20 | 0.072                     |
| 12765      | 09/25/2008 | 11:26:21 | 0.064                     |
| 12766      | 09/25/2008 | 11:26:22 | 0.067                     |
| 12767      | 09/25/2008 | 11:26:23 | 0.073                     |
| 12768      | 09/25/2008 | 11:26:24 | 0.065                     |
| 12769      | 09/25/2008 | 11:26:25 | 0.118                     |
| 12770      | 09/25/2008 | 11:26:26 | 0.068                     |
| 12771      | 09/25/2008 | 11:26:27 | 0.065                     |
| 12772      | 09/25/2008 | 11:26:28 | 0.057                     |
| 12773      | 09/25/2008 | 11:26:29 | 0.054                     |
| 12774      | 09/25/2008 | 11:26:30 | 0.053                     |
| 12775      | 09/25/2008 | 11:26:31 | 0.059                     |
| 12776      | 09/25/2008 | 11:26:32 | 0.052                     |
| 12777      | 09/25/2008 | 11:26:33 | 0.075                     |
| 12778      | 09/25/2008 | 11:26:34 | 0.091                     |
| 12779      | 09/25/2008 | 11:26:35 | 0.056                     |
| 12780      | 09/25/2008 | 11:26:36 | 0.082                     |
| 12781      | 09/25/2008 | 11:26:37 | 0.060                     |
| 12782      | 09/25/2008 | 11:26:38 | 0.055                     |
| 12783      | 09/25/2008 | 11:26:39 | 0.061                     |
| 12784      | 09/25/2008 | 11:26:40 | 0.056                     |
| 12785      | 09/25/2008 | 11:26:41 | 0.051                     |
| 12786      | 09/25/2008 | 11:26:42 | 0.054                     |
| 12787      | 09/25/2008 | 11:26:43 | 0.062                     |
| 12788      | 09/25/2008 | 11:26:44 | 0.054                     |
| 12789      | 09/25/2008 | 11:26:45 | 0.047                     |
| 12790      | 09/25/2008 | 11:26:46 | 0.050                     |
| 12791      | 09/25/2008 | 11:26:47 | 0.055                     |
| 12792      | 09/25/2008 | 11:26:48 | 0.065                     |
| 12793      | 09/25/2008 | 11:26:49 | 0.058                     |
| 12794      | 09/25/2008 | 11:26:50 | 0.053                     |
| 12795      | 09/25/2008 | 11:26:51 | 0.053                     |
| 12796      | 09/25/2008 | 11:26:52 | 0.051                     |
| 12797      | 09/25/2008 | 11:26:53 | 0.055                     |
| 12798      | 09/25/2008 | 11:26:54 | 0.053                     |
| 12799      | 09/25/2008 | 11:26:55 | 0.050                     |
| 12800      | 09/25/2008 | 11:26:56 | 0.049                     |
| 12801      | 09/25/2008 | 11:26:57 | 0.051                     |
| 12802      | 09/25/2008 | 11:26:58 | 0.051                     |
| 12803      | 09/25/2008 | 11:26:59 | 0.054                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 12804      | 09/25/2008 | 11:27:00 | 0.057                     |
| 12805      | 09/25/2008 | 11:27:01 | 0.050                     |
| 12806      | 09/25/2008 | 11:27:02 | 0.047                     |
| 12807      | 09/25/2008 | 11:27:03 | 0.048                     |
| 12808      | 09/25/2008 | 11:27:04 | 0.049                     |
| 12809      | 09/25/2008 | 11:27:05 | 0.059                     |
| 12810      | 09/25/2008 | 11:27:06 | 0.057                     |
| 12811      | 09/25/2008 | 11:27:07 | 0.071                     |
| 12812      | 09/25/2008 | 11:27:08 | 0.051                     |
| 12813      | 09/25/2008 | 11:27:09 | 0.070                     |
| 12814      | 09/25/2008 | 11:27:10 | 0.057                     |
| 12815      | 09/25/2008 | 11:27:11 | 0.084                     |
| 12816      | 09/25/2008 | 11:27:12 | 0.062                     |
| 12817      | 09/25/2008 | 11:27:13 | 0.062                     |
| 12818      | 09/25/2008 | 11:27:14 | 0.077                     |
| 12819      | 09/25/2008 | 11:27:15 | 0.100                     |
| 12820      | 09/25/2008 | 11:27:16 | 0.078                     |
| 12821      | 09/25/2008 | 11:27:17 | 0.054                     |
| 12822      | 09/25/2008 | 11:27:18 | 0.143                     |
| 12823      | 09/25/2008 | 11:27:19 | 0.061                     |
| 12824      | 09/25/2008 | 11:27:20 | 0.057                     |
| 12825      | 09/25/2008 | 11:27:21 | 0.055                     |
| 12826      | 09/25/2008 | 11:27:22 | 0.062                     |
| 12827      | 09/25/2008 | 11:27:23 | 0.060                     |
| 12828      | 09/25/2008 | 11:27:24 | 0.054                     |
| 12829      | 09/25/2008 | 11:27:25 | 0.062                     |
| 12830      | 09/25/2008 | 11:27:26 | 0.058                     |
| 12831      | 09/25/2008 | 11:27:27 | 0.050                     |
| 12832      | 09/25/2008 | 11:27:28 | 0.055                     |
| 12833      | 09/25/2008 | 11:27:29 | 0.057                     |
| 12834      | 09/25/2008 | 11:27:30 | 0.050                     |
| 12835      | 09/25/2008 | 11:27:31 | 0.056                     |
| 12836      | 09/25/2008 | 11:27:32 | 0.071                     |
| 12837      | 09/25/2008 | 11:27:33 | 0.063                     |
| 12838      | 09/25/2008 | 11:27:34 | 0.057                     |
| 12839      | 09/25/2008 | 11:27:35 | 0.053                     |
| 12840      | 09/25/2008 | 11:27:36 | 0.051                     |
| 12841      | 09/25/2008 | 11:27:37 | 0.052                     |
| 12842      | 09/25/2008 | 11:27:38 | 0.056                     |
| 12843      | 09/25/2008 | 11:27:39 | 0.054                     |
| 12844      | 09/25/2008 | 11:27:40 | 0.054                     |
| 12845      | 09/25/2008 | 11:27:41 | 0.055                     |
| 12846      | 09/25/2008 | 11:27:42 | 0.105                     |
| 12847      | 09/25/2008 | 11:27:43 | 0.051                     |
| 12848      | 09/25/2008 | 11:27:44 | 0.057                     |
| 12849      | 09/25/2008 | 11:27:45 | 0.052                     |
| 12850      | 09/25/2008 | 11:27:46 | 0.054                     |
| 12851      | 09/25/2008 | 11:27:47 | 0.055                     |
| 12852      | 09/25/2008 | 11:27:48 | 0.060                     |
| 12853      | 09/25/2008 | 11:27:49 | 0.052                     |
| 12854      | 09/25/2008 | 11:27:50 | 0.047                     |
| 12855      | 09/25/2008 | 11:27:51 | 0.056                     |
| 12856      | 09/25/2008 | 11:27:52 | 0.049                     |
| 12857      | 09/25/2008 | 11:27:53 | 0.062                     |
| 12858      | 09/25/2008 | 11:27:54 | 0.054                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 12859      | 09/25/2008 | 11:27:55 | 0.050                     |
| 12860      | 09/25/2008 | 11:27:56 | 0.057                     |
| 12861      | 09/25/2008 | 11:27:57 | 0.053                     |
| 12862      | 09/25/2008 | 11:27:58 | 0.053                     |
| 12863      | 09/25/2008 | 11:27:59 | 0.053                     |
| 12864      | 09/25/2008 | 11:28:00 | 0.099                     |
| 12865      | 09/25/2008 | 11:28:01 | 0.354                     |
| 12866      | 09/25/2008 | 11:28:02 | 0.065                     |
| 12867      | 09/25/2008 | 11:28:03 | 0.064                     |
| 12868      | 09/25/2008 | 11:28:04 | 0.064                     |
| 12869      | 09/25/2008 | 11:28:05 | 0.077                     |
| 12870      | 09/25/2008 | 11:28:06 | 0.069                     |
| 12871      | 09/25/2008 | 11:28:07 | 0.059                     |
| 12872      | 09/25/2008 | 11:28:08 | 0.060                     |
| 12873      | 09/25/2008 | 11:28:09 | 0.065                     |
| 12874      | 09/25/2008 | 11:28:10 | 0.070                     |
| 12875      | 09/25/2008 | 11:28:11 | 0.048                     |
| 12876      | 09/25/2008 | 11:28:12 | 0.060                     |
| 12877      | 09/25/2008 | 11:28:13 | 0.055                     |
| 12878      | 09/25/2008 | 11:28:14 | 0.054                     |
| 12879      | 09/25/2008 | 11:28:15 | 0.050                     |
| 12880      | 09/25/2008 | 11:28:16 | 0.051                     |
| 12881      | 09/25/2008 | 11:28:17 | 0.058                     |
| 12882      | 09/25/2008 | 11:28:18 | 0.055                     |
| 12883      | 09/25/2008 | 11:28:19 | 0.053                     |
| 12884      | 09/25/2008 | 11:28:20 | 0.054                     |
| 12885      | 09/25/2008 | 11:28:21 | 0.085                     |
| 12886      | 09/25/2008 | 11:28:22 | 0.060                     |
| 12887      | 09/25/2008 | 11:28:23 | 0.065                     |
| 12888      | 09/25/2008 | 11:28:24 | 0.051                     |
| 12889      | 09/25/2008 | 11:28:25 | 0.051                     |
| 12890      | 09/25/2008 | 11:28:26 | 0.051                     |
| 12891      | 09/25/2008 | 11:28:27 | 0.052                     |
| 12892      | 09/25/2008 | 11:28:28 | 0.050                     |
| 12893      | 09/25/2008 | 11:28:29 | 0.053                     |
| 12894      | 09/25/2008 | 11:28:30 | 0.057                     |
| 12895      | 09/25/2008 | 11:28:31 | 0.054                     |
| 12896      | 09/25/2008 | 11:28:32 | 0.052                     |
| 12897      | 09/25/2008 | 11:28:33 | 0.058                     |
| 12898      | 09/25/2008 | 11:28:34 | 0.074                     |
| 12899      | 09/25/2008 | 11:28:35 | 0.053                     |
| 12900      | 09/25/2008 | 11:28:36 | 0.067                     |
| 12901      | 09/25/2008 | 11:28:37 | 0.054                     |
| 12902      | 09/25/2008 | 11:28:38 | 0.053                     |
| 12903      | 09/25/2008 | 11:28:39 | 0.057                     |
| 12904      | 09/25/2008 | 11:28:40 | 0.053                     |
| 12905      | 09/25/2008 | 11:28:41 | 0.050                     |
| 12906      | 09/25/2008 | 11:28:42 | 0.047                     |
| 12907      | 09/25/2008 | 11:28:43 | 0.053                     |
| 12908      | 09/25/2008 | 11:28:44 | 0.052                     |
| 12909      | 09/25/2008 | 11:28:45 | 0.047                     |
| 12910      | 09/25/2008 | 11:28:46 | 0.048                     |
| 12911      | 09/25/2008 | 11:28:47 | 0.054                     |
| 12912      | 09/25/2008 | 11:28:48 | 0.047                     |
| 12913      | 09/25/2008 | 11:28:49 | 0.077                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 12914      | 09/25/2008 | 11:28:50 | 0.046                     |
| 12915      | 09/25/2008 | 11:28:51 | 0.054                     |
| 12916      | 09/25/2008 | 11:28:52 | 0.053                     |
| 12917      | 09/25/2008 | 11:28:53 | 0.049                     |
| 12918      | 09/25/2008 | 11:28:54 | 0.060                     |
| 12919      | 09/25/2008 | 11:28:55 | 0.063                     |
| 12920      | 09/25/2008 | 11:28:56 | 0.054                     |
| 12921      | 09/25/2008 | 11:28:57 | 0.051                     |
| 12922      | 09/25/2008 | 11:28:58 | 0.048                     |
| 12923      | 09/25/2008 | 11:28:59 | 0.058                     |
| 12924      | 09/25/2008 | 11:29:00 | 0.058                     |
| 12925      | 09/25/2008 | 11:29:01 | 0.055                     |
| 12926      | 09/25/2008 | 11:29:02 | 0.046                     |
| 12927      | 09/25/2008 | 11:29:03 | 0.052                     |
| 12928      | 09/25/2008 | 11:29:04 | 0.046                     |
| 12929      | 09/25/2008 | 11:29:05 | 0.056                     |
| 12930      | 09/25/2008 | 11:29:06 | 0.048                     |
| 12931      | 09/25/2008 | 11:29:07 | 0.049                     |
| 12932      | 09/25/2008 | 11:29:08 | 0.052                     |
| 12933      | 09/25/2008 | 11:29:09 | 0.045                     |
| 12934      | 09/25/2008 | 11:29:10 | 0.050                     |
| 12935      | 09/25/2008 | 11:29:11 | 0.057                     |
| 12936      | 09/25/2008 | 11:29:12 | 0.049                     |
| 12937      | 09/25/2008 | 11:29:13 | 0.048                     |
| 12938      | 09/25/2008 | 11:29:14 | 0.046                     |
| 12939      | 09/25/2008 | 11:29:15 | 0.049                     |
| 12940      | 09/25/2008 | 11:29:16 | 0.052                     |
| 12941      | 09/25/2008 | 11:29:17 | 0.048                     |
| 12942      | 09/25/2008 | 11:29:18 | 0.050                     |
| 12943      | 09/25/2008 | 11:29:19 | 0.047                     |
| 12944      | 09/25/2008 | 11:29:20 | 0.054                     |
| 12945      | 09/25/2008 | 11:29:21 | 0.057                     |
| 12946      | 09/25/2008 | 11:29:22 | 0.045                     |
| 12947      | 09/25/2008 | 11:29:23 | 0.049                     |
| 12948      | 09/25/2008 | 11:29:24 | 0.052                     |
| 12949      | 09/25/2008 | 11:29:25 | 0.043                     |
| 12950      | 09/25/2008 | 11:29:26 | 0.054                     |
| 12951      | 09/25/2008 | 11:29:27 | 0.054                     |
| 12952      | 09/25/2008 | 11:29:28 | 0.052                     |
| 12953      | 09/25/2008 | 11:29:29 | 0.048                     |
| 12954      | 09/25/2008 | 11:29:30 | 0.048                     |
| 12955      | 09/25/2008 | 11:29:31 | 0.054                     |
| 12956      | 09/25/2008 | 11:29:32 | 0.048                     |
| 12957      | 09/25/2008 | 11:29:33 | 0.057                     |
| 12958      | 09/25/2008 | 11:29:34 | 0.052                     |
| 12959      | 09/25/2008 | 11:29:35 | 0.051                     |
| 12960      | 09/25/2008 | 11:29:36 | 0.056                     |
| 12961      | 09/25/2008 | 11:29:37 | 0.048                     |
| 12962      | 09/25/2008 | 11:29:38 | 0.051                     |
| 12963      | 09/25/2008 | 11:29:39 | 0.055                     |
| 12964      | 09/25/2008 | 11:29:40 | 0.107                     |
| 12965      | 09/25/2008 | 11:29:41 | 0.099                     |
| 12966      | 09/25/2008 | 11:29:42 | 0.062                     |
| 12967      | 09/25/2008 | 11:29:43 | 0.158                     |
| 12968      | 09/25/2008 | 11:29:44 | 0.081                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 12969      | 09/25/2008 | 11:29:45 | 0.059                     |
| 12970      | 09/25/2008 | 11:29:46 | 0.052                     |
| 12971      | 09/25/2008 | 11:29:47 | 0.052                     |
| 12972      | 09/25/2008 | 11:29:48 | 0.055                     |
| 12973      | 09/25/2008 | 11:29:49 | 0.059                     |
| 12974      | 09/25/2008 | 11:29:50 | 0.055                     |
| 12975      | 09/25/2008 | 11:29:51 | 0.055                     |
| 12976      | 09/25/2008 | 11:29:52 | 0.079                     |
| 12977      | 09/25/2008 | 11:29:53 | 0.110                     |
| 12978      | 09/25/2008 | 11:29:54 | 0.103                     |
| 12979      | 09/25/2008 | 11:29:55 | 0.071                     |
| 12980      | 09/25/2008 | 11:29:56 | 0.060                     |
| 12981      | 09/25/2008 | 11:29:57 | 0.056                     |
| 12982      | 09/25/2008 | 11:29:58 | 0.077                     |
| 12983      | 09/25/2008 | 11:29:59 | 0.069                     |
| 12984      | 09/25/2008 | 11:30:00 | 0.086                     |
| 12985      | 09/25/2008 | 11:30:01 | 0.057                     |
| 12986      | 09/25/2008 | 11:30:02 | 0.092                     |
| 12987      | 09/25/2008 | 11:30:03 | 0.073                     |
| 12988      | 09/25/2008 | 11:30:04 | 0.088                     |
| 12989      | 09/25/2008 | 11:30:05 | 0.070                     |
| 12990      | 09/25/2008 | 11:30:06 | 0.059                     |
| 12991      | 09/25/2008 | 11:30:07 | 0.067                     |
| 12992      | 09/25/2008 | 11:30:08 | 0.070                     |
| 12993      | 09/25/2008 | 11:30:09 | 0.075                     |
| 12994      | 09/25/2008 | 11:30:10 | 0.069                     |
| 12995      | 09/25/2008 | 11:30:11 | 0.070                     |
| 12996      | 09/25/2008 | 11:30:12 | 0.059                     |
| 12997      | 09/25/2008 | 11:30:13 | 0.059                     |
| 12998      | 09/25/2008 | 11:30:14 | 0.064                     |
| 12999      | 09/25/2008 | 11:30:15 | 0.057                     |
| 13000      | 09/25/2008 | 11:30:16 | 0.055                     |
| 13001      | 09/25/2008 | 11:30:17 | 0.049                     |
| 13002      | 09/25/2008 | 11:30:18 | 0.053                     |
| 13003      | 09/25/2008 | 11:30:19 | 0.053                     |
| 13004      | 09/25/2008 | 11:30:20 | 0.049                     |
| 13005      | 09/25/2008 | 11:30:21 | 0.063                     |
| 13006      | 09/25/2008 | 11:30:22 | 0.054                     |
| 13007      | 09/25/2008 | 11:30:23 | 0.053                     |
| 13008      | 09/25/2008 | 11:30:24 | 0.070                     |
| 13009      | 09/25/2008 | 11:30:25 | 0.161                     |
| 13010      | 09/25/2008 | 11:30:26 | 0.100                     |
| 13011      | 09/25/2008 | 11:30:27 | 0.066                     |
| 13012      | 09/25/2008 | 11:30:28 | 0.159                     |
| 13013      | 09/25/2008 | 11:30:29 | 0.119                     |
| 13014      | 09/25/2008 | 11:30:30 | 0.074                     |
| 13015      | 09/25/2008 | 11:30:31 | 0.073                     |
| 13016      | 09/25/2008 | 11:30:32 | 0.056                     |
| 13017      | 09/25/2008 | 11:30:33 | 0.067                     |
| 13018      | 09/25/2008 | 11:30:34 | 0.190                     |
| 13019      | 09/25/2008 | 11:30:35 | 0.172                     |
| 13020      | 09/25/2008 | 11:30:36 | 0.063                     |
| 13021      | 09/25/2008 | 11:30:37 | 0.052                     |
| 13022      | 09/25/2008 | 11:30:38 | 0.056                     |
| 13023      | 09/25/2008 | 11:30:39 | 0.051                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 13024      | 09/25/2008 | 11:30:40 | 0.057                     |
| 13025      | 09/25/2008 | 11:30:41 | 0.054                     |
| 13026      | 09/25/2008 | 11:30:42 | 0.055                     |
| 13027      | 09/25/2008 | 11:30:43 | 0.048                     |
| 13028      | 09/25/2008 | 11:30:44 | 0.054                     |
| 13029      | 09/25/2008 | 11:30:45 | 0.054                     |
| 13030      | 09/25/2008 | 11:30:46 | 0.052                     |
| 13031      | 09/25/2008 | 11:30:47 | 0.054                     |
| 13032      | 09/25/2008 | 11:30:48 | 0.052                     |
| 13033      | 09/25/2008 | 11:30:49 | 0.053                     |
| 13034      | 09/25/2008 | 11:30:50 | 0.049                     |
| 13035      | 09/25/2008 | 11:30:51 | 0.053                     |
| 13036      | 09/25/2008 | 11:30:52 | 0.054                     |
| 13037      | 09/25/2008 | 11:30:53 | 0.048                     |
| 13038      | 09/25/2008 | 11:30:54 | 0.048                     |
| 13039      | 09/25/2008 | 11:30:55 | 0.048                     |
| 13040      | 09/25/2008 | 11:30:56 | 0.048                     |
| 13041      | 09/25/2008 | 11:30:57 | 0.069                     |
| 13042      | 09/25/2008 | 11:30:58 | 0.049                     |
| 13043      | 09/25/2008 | 11:30:59 | 0.050                     |
| 13044      | 09/25/2008 | 11:31:00 | 0.058                     |
| 13045      | 09/25/2008 | 11:31:01 | 0.053                     |
| 13046      | 09/25/2008 | 11:31:02 | 0.046                     |
| 13047      | 09/25/2008 | 11:31:03 | 0.054                     |
| 13048      | 09/25/2008 | 11:31:04 | 0.047                     |
| 13049      | 09/25/2008 | 11:31:05 | 0.051                     |
| 13050      | 09/25/2008 | 11:31:06 | 0.051                     |
| 13051      | 09/25/2008 | 11:31:07 | 0.055                     |
| 13052      | 09/25/2008 | 11:31:08 | 0.055                     |
| 13053      | 09/25/2008 | 11:31:09 | 0.050                     |
| 13054      | 09/25/2008 | 11:31:10 | 0.070                     |
| 13055      | 09/25/2008 | 11:31:11 | 0.052                     |
| 13056      | 09/25/2008 | 11:31:12 | 0.056                     |
| 13057      | 09/25/2008 | 11:31:13 | 0.085                     |
| 13058      | 09/25/2008 | 11:31:14 | 0.051                     |
| 13059      | 09/25/2008 | 11:31:15 | 0.056                     |
| 13060      | 09/25/2008 | 11:31:16 | 0.071                     |
| 13061      | 09/25/2008 | 11:31:17 | 0.053                     |
| 13062      | 09/25/2008 | 11:31:18 | 0.052                     |
| 13063      | 09/25/2008 | 11:31:19 | 0.052                     |
| 13064      | 09/25/2008 | 11:31:20 | 0.096                     |
| 13065      | 09/25/2008 | 11:31:21 | 0.111                     |
| 13066      | 09/25/2008 | 11:31:22 | 0.073                     |
| 13067      | 09/25/2008 | 11:31:23 | 0.062                     |
| 13068      | 09/25/2008 | 11:31:24 | 0.053                     |
| 13069      | 09/25/2008 | 11:31:25 | 0.063                     |
| 13070      | 09/25/2008 | 11:31:26 | 0.050                     |
| 13071      | 09/25/2008 | 11:31:27 | 0.050                     |
| 13072      | 09/25/2008 | 11:31:28 | 0.051                     |
| 13073      | 09/25/2008 | 11:31:29 | 0.053                     |
| 13074      | 09/25/2008 | 11:31:30 | 0.080                     |
| 13075      | 09/25/2008 | 11:31:31 | 0.091                     |
| 13076      | 09/25/2008 | 11:31:32 | 0.092                     |
| 13077      | 09/25/2008 | 11:31:33 | 0.061                     |
| 13078      | 09/25/2008 | 11:31:34 | 0.059                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 13079      | 09/25/2008 | 11:31:35 | 0.066                     |
| 13080      | 09/25/2008 | 11:31:36 | 0.048                     |
| 13081      | 09/25/2008 | 11:31:37 | 0.055                     |
| 13082      | 09/25/2008 | 11:31:38 | 0.050                     |
| 13083      | 09/25/2008 | 11:31:39 | 0.057                     |
| 13084      | 09/25/2008 | 11:31:40 | 0.054                     |
| 13085      | 09/25/2008 | 11:31:41 | 0.054                     |
| 13086      | 09/25/2008 | 11:31:42 | 0.058                     |
| 13087      | 09/25/2008 | 11:31:43 | 0.052                     |
| 13088      | 09/25/2008 | 11:31:44 | 0.081                     |
| 13089      | 09/25/2008 | 11:31:45 | 0.086                     |
| 13090      | 09/25/2008 | 11:31:46 | 0.059                     |
| 13091      | 09/25/2008 | 11:31:47 | 0.072                     |
| 13092      | 09/25/2008 | 11:31:48 | 0.064                     |
| 13093      | 09/25/2008 | 11:31:49 | 0.135                     |
| 13094      | 09/25/2008 | 11:31:50 | 0.071                     |
| 13095      | 09/25/2008 | 11:31:51 | 0.062                     |
| 13096      | 09/25/2008 | 11:31:52 | 0.133                     |
| 13097      | 09/25/2008 | 11:31:53 | 0.063                     |
| 13098      | 09/25/2008 | 11:31:54 | 0.059                     |
| 13099      | 09/25/2008 | 11:31:55 | 0.052                     |
| 13100      | 09/25/2008 | 11:31:56 | 0.061                     |
| 13101      | 09/25/2008 | 11:31:57 | 0.050                     |
| 13102      | 09/25/2008 | 11:31:58 | 0.048                     |
| 13103      | 09/25/2008 | 11:31:59 | 0.056                     |
| 13104      | 09/25/2008 | 11:32:00 | 0.060                     |
| 13105      | 09/25/2008 | 11:32:01 | 0.048                     |
| 13106      | 09/25/2008 | 11:32:02 | 0.056                     |
| 13107      | 09/25/2008 | 11:32:03 | 0.053                     |
| 13108      | 09/25/2008 | 11:32:04 | 0.048                     |
| 13109      | 09/25/2008 | 11:32:05 | 0.052                     |
| 13110      | 09/25/2008 | 11:32:06 | 0.054                     |
| 13111      | 09/25/2008 | 11:32:07 | 0.048                     |
| 13112      | 09/25/2008 | 11:32:08 | 0.051                     |
| 13113      | 09/25/2008 | 11:32:09 | 0.062                     |
| 13114      | 09/25/2008 | 11:32:10 | 0.047                     |
| 13115      | 09/25/2008 | 11:32:11 | 0.052                     |
| 13116      | 09/25/2008 | 11:32:12 | 0.053                     |
| 13117      | 09/25/2008 | 11:32:13 | 0.051                     |
| 13118      | 09/25/2008 | 11:32:14 | 0.050                     |
| 13119      | 09/25/2008 | 11:32:15 | 0.048                     |
| 13120      | 09/25/2008 | 11:32:16 | 0.052                     |
| 13121      | 09/25/2008 | 11:32:17 | 0.049                     |
| 13122      | 09/25/2008 | 11:32:18 | 0.042                     |
| 13123      | 09/25/2008 | 11:32:19 | 0.048                     |
| 13124      | 09/25/2008 | 11:32:20 | 0.076                     |
| 13125      | 09/25/2008 | 11:32:21 | 0.060                     |
| 13126      | 09/25/2008 | 11:32:22 | 0.048                     |
| 13127      | 09/25/2008 | 11:32:23 | 0.054                     |
| 13128      | 09/25/2008 | 11:32:24 | 0.050                     |
| 13129      | 09/25/2008 | 11:32:25 | 0.048                     |
| 13130      | 09/25/2008 | 11:32:26 | 0.051                     |
| 13131      | 09/25/2008 | 11:32:27 | 0.048                     |
| 13132      | 09/25/2008 | 11:32:28 | 0.048                     |
| 13133      | 09/25/2008 | 11:32:29 | 0.056                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 13134      | 09/25/2008 | 11:32:30 | 0.074                     |
| 13135      | 09/25/2008 | 11:32:31 | 0.055                     |
| 13136      | 09/25/2008 | 11:32:32 | 0.058                     |
| 13137      | 09/25/2008 | 11:32:33 | 0.050                     |
| 13138      | 09/25/2008 | 11:32:34 | 0.055                     |
| 13139      | 09/25/2008 | 11:32:35 | 0.048                     |
| 13140      | 09/25/2008 | 11:32:36 | 0.046                     |
| 13141      | 09/25/2008 | 11:32:37 | 0.044                     |
| 13142      | 09/25/2008 | 11:32:38 | 0.053                     |
| 13143      | 09/25/2008 | 11:32:39 | 0.049                     |
| 13144      | 09/25/2008 | 11:32:40 | 0.052                     |
| 13145      | 09/25/2008 | 11:32:41 | 0.059                     |
| 13146      | 09/25/2008 | 11:32:42 | 0.050                     |
| 13147      | 09/25/2008 | 11:32:43 | 0.056                     |
| 13148      | 09/25/2008 | 11:32:44 | 0.048                     |
| 13149      | 09/25/2008 | 11:32:45 | 0.048                     |
| 13150      | 09/25/2008 | 11:32:46 | 0.068                     |
| 13151      | 09/25/2008 | 11:32:47 | 0.070                     |
| 13152      | 09/25/2008 | 11:32:48 | 0.052                     |
| 13153      | 09/25/2008 | 11:32:49 | 0.071                     |
| 13154      | 09/25/2008 | 11:32:50 | 0.048                     |
| 13155      | 09/25/2008 | 11:32:51 | 0.051                     |
| 13156      | 09/25/2008 | 11:32:52 | 0.060                     |
| 13157      | 09/25/2008 | 11:32:53 | 0.090                     |
| 13158      | 09/25/2008 | 11:32:54 | 0.056                     |
| 13159      | 09/25/2008 | 11:32:55 | 0.059                     |
| 13160      | 09/25/2008 | 11:32:56 | 0.055                     |
| 13161      | 09/25/2008 | 11:32:57 | 0.054                     |
| 13162      | 09/25/2008 | 11:32:58 | 0.046                     |
| 13163      | 09/25/2008 | 11:32:59 | 0.050                     |
| 13164      | 09/25/2008 | 11:33:00 | 0.050                     |
| 13165      | 09/25/2008 | 11:33:01 | 0.054                     |
| 13166      | 09/25/2008 | 11:33:02 | 0.050                     |
| 13167      | 09/25/2008 | 11:33:03 | 0.049                     |
| 13168      | 09/25/2008 | 11:33:04 | 0.054                     |
| 13169      | 09/25/2008 | 11:33:05 | 0.053                     |
| 13170      | 09/25/2008 | 11:33:06 | 0.069                     |
| 13171      | 09/25/2008 | 11:33:07 | 0.053                     |
| 13172      | 09/25/2008 | 11:33:08 | 0.046                     |
| 13173      | 09/25/2008 | 11:33:09 | 0.052                     |
| 13174      | 09/25/2008 | 11:33:10 | 0.051                     |
| 13175      | 09/25/2008 | 11:33:11 | 0.052                     |
| 13176      | 09/25/2008 | 11:33:12 | 0.049                     |
| 13177      | 09/25/2008 | 11:33:13 | 0.051                     |
| 13178      | 09/25/2008 | 11:33:14 | 0.054                     |
| 13179      | 09/25/2008 | 11:33:15 | 0.051                     |
| 13180      | 09/25/2008 | 11:33:16 | 0.049                     |
| 13181      | 09/25/2008 | 11:33:17 | 0.062                     |
| 13182      | 09/25/2008 | 11:33:18 | 0.056                     |
| 13183      | 09/25/2008 | 11:33:19 | 0.058                     |
| 13184      | 09/25/2008 | 11:33:20 | 0.047                     |
| 13185      | 09/25/2008 | 11:33:21 | 0.107                     |
| 13186      | 09/25/2008 | 11:33:22 | 0.102                     |
| 13187      | 09/25/2008 | 11:33:23 | 0.115                     |
| 13188      | 09/25/2008 | 11:33:24 | 0.102                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 13189      | 09/25/2008 | 11:33:25 | 0.121                     |
| 13190      | 09/25/2008 | 11:33:26 | 0.064                     |
| 13191      | 09/25/2008 | 11:33:27 | 0.156                     |
| 13192      | 09/25/2008 | 11:33:28 | 0.080                     |
| 13193      | 09/25/2008 | 11:33:29 | 0.077                     |
| 13194      | 09/25/2008 | 11:33:30 | 0.097                     |
| 13195      | 09/25/2008 | 11:33:31 | 0.132                     |
| 13196      | 09/25/2008 | 11:33:32 | 0.064                     |
| 13197      | 09/25/2008 | 11:33:33 | 0.067                     |
| 13198      | 09/25/2008 | 11:33:34 | 0.082                     |
| 13199      | 09/25/2008 | 11:33:35 | 0.079                     |
| 13200      | 09/25/2008 | 11:33:36 | 0.074                     |
| 13201      | 09/25/2008 | 11:33:37 | 0.151                     |
| 13202      | 09/25/2008 | 11:33:38 | 0.062                     |
| 13203      | 09/25/2008 | 11:33:39 | 0.054                     |
| 13204      | 09/25/2008 | 11:33:40 | 0.090                     |
| 13205      | 09/25/2008 | 11:33:41 | 0.073                     |
| 13206      | 09/25/2008 | 11:33:42 | 0.107                     |
| 13207      | 09/25/2008 | 11:33:43 | 0.059                     |
| 13208      | 09/25/2008 | 11:33:44 | 0.058                     |
| 13209      | 09/25/2008 | 11:33:45 | 0.052                     |
| 13210      | 09/25/2008 | 11:33:46 | 0.055                     |
| 13211      | 09/25/2008 | 11:33:47 | 0.050                     |
| 13212      | 09/25/2008 | 11:33:48 | 0.051                     |
| 13213      | 09/25/2008 | 11:33:49 | 0.054                     |
| 13214      | 09/25/2008 | 11:33:50 | 0.069                     |
| 13215      | 09/25/2008 | 11:33:51 | 0.054                     |
| 13216      | 09/25/2008 | 11:33:52 | 0.051                     |
| 13217      | 09/25/2008 | 11:33:53 | 0.049                     |
| 13218      | 09/25/2008 | 11:33:54 | 0.050                     |
| 13219      | 09/25/2008 | 11:33:55 | 0.045                     |
| 13220      | 09/25/2008 | 11:33:56 | 0.050                     |
| 13221      | 09/25/2008 | 11:33:57 | 0.047                     |
| 13222      | 09/25/2008 | 11:33:58 | 0.046                     |
| 13223      | 09/25/2008 | 11:33:59 | 0.049                     |
| 13224      | 09/25/2008 | 11:34:00 | 0.045                     |
| 13225      | 09/25/2008 | 11:34:01 | 0.053                     |
| 13226      | 09/25/2008 | 11:34:02 | 0.058                     |
| 13227      | 09/25/2008 | 11:34:03 | 0.057                     |
| 13228      | 09/25/2008 | 11:34:04 | 0.052                     |
| 13229      | 09/25/2008 | 11:34:05 | 0.051                     |
| 13230      | 09/25/2008 | 11:34:06 | 0.050                     |
| 13231      | 09/25/2008 | 11:34:07 | 0.046                     |
| 13232      | 09/25/2008 | 11:34:08 | 0.048                     |
| 13233      | 09/25/2008 | 11:34:09 | 0.046                     |
| 13234      | 09/25/2008 | 11:34:10 | 0.050                     |
| 13235      | 09/25/2008 | 11:34:11 | 0.050                     |
| 13236      | 09/25/2008 | 11:34:12 | 0.045                     |
| 13237      | 09/25/2008 | 11:34:13 | 0.056                     |
| 13238      | 09/25/2008 | 11:34:14 | 0.052                     |
| 13239      | 09/25/2008 | 11:34:15 | 0.054                     |
| 13240      | 09/25/2008 | 11:34:16 | 0.048                     |
| 13241      | 09/25/2008 | 11:34:17 | 0.053                     |
| 13242      | 09/25/2008 | 11:34:18 | 0.048                     |
| 13243      | 09/25/2008 | 11:34:19 | 0.051                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 13244      | 09/25/2008 | 11:34:20 | 0.050                     |
| 13245      | 09/25/2008 | 11:34:21 | 0.053                     |
| 13246      | 09/25/2008 | 11:34:22 | 0.052                     |
| 13247      | 09/25/2008 | 11:34:23 | 0.055                     |
| 13248      | 09/25/2008 | 11:34:24 | 0.051                     |
| 13249      | 09/25/2008 | 11:34:25 | 0.046                     |
| 13250      | 09/25/2008 | 11:34:26 | 0.050                     |
| 13251      | 09/25/2008 | 11:34:27 | 0.061                     |
| 13252      | 09/25/2008 | 11:34:28 | 0.057                     |
| 13253      | 09/25/2008 | 11:34:29 | 0.075                     |
| 13254      | 09/25/2008 | 11:34:30 | 0.056                     |
| 13255      | 09/25/2008 | 11:34:31 | 0.071                     |
| 13256      | 09/25/2008 | 11:34:32 | 0.119                     |
| 13257      | 09/25/2008 | 11:34:33 | 0.106                     |
| 13258      | 09/25/2008 | 11:34:34 | 0.111                     |
| 13259      | 09/25/2008 | 11:34:35 | 0.067                     |
| 13260      | 09/25/2008 | 11:34:36 | 0.055                     |
| 13261      | 09/25/2008 | 11:34:37 | 0.055                     |
| 13262      | 09/25/2008 | 11:34:38 | 0.052                     |
| 13263      | 09/25/2008 | 11:34:39 | 0.058                     |
| 13264      | 09/25/2008 | 11:34:40 | 0.051                     |
| 13265      | 09/25/2008 | 11:34:41 | 0.052                     |
| 13266      | 09/25/2008 | 11:34:42 | 0.051                     |
| 13267      | 09/25/2008 | 11:34:43 | 0.051                     |
| 13268      | 09/25/2008 | 11:34:44 | 0.055                     |
| 13269      | 09/25/2008 | 11:34:45 | 0.054                     |
| 13270      | 09/25/2008 | 11:34:46 | 0.053                     |
| 13271      | 09/25/2008 | 11:34:47 | 0.050                     |
| 13272      | 09/25/2008 | 11:34:48 | 0.059                     |
| 13273      | 09/25/2008 | 11:34:49 | 0.050                     |
| 13274      | 09/25/2008 | 11:34:50 | 0.062                     |
| 13275      | 09/25/2008 | 11:34:51 | 0.052                     |
| 13276      | 09/25/2008 | 11:34:52 | 0.048                     |
| 13277      | 09/25/2008 | 11:34:53 | 0.047                     |
| 13278      | 09/25/2008 | 11:34:54 | 0.050                     |
| 13279      | 09/25/2008 | 11:34:55 | 0.046                     |
| 13280      | 09/25/2008 | 11:34:56 | 0.049                     |
| 13281      | 09/25/2008 | 11:34:57 | 0.054                     |
| 13282      | 09/25/2008 | 11:34:58 | 0.051                     |
| 13283      | 09/25/2008 | 11:34:59 | 0.051                     |
| 13284      | 09/25/2008 | 11:35:00 | 0.049                     |
| 13285      | 09/25/2008 | 11:35:01 | 0.051                     |
| 13286      | 09/25/2008 | 11:35:02 | 0.055                     |
| 13287      | 09/25/2008 | 11:35:03 | 0.056                     |
| 13288      | 09/25/2008 | 11:35:04 | 0.051                     |
| 13289      | 09/25/2008 | 11:35:05 | 0.051                     |
| 13290      | 09/25/2008 | 11:35:06 | 0.046                     |
| 13291      | 09/25/2008 | 11:35:07 | 0.049                     |
| 13292      | 09/25/2008 | 11:35:08 | 0.048                     |
| 13293      | 09/25/2008 | 11:35:09 | 0.049                     |
| 13294      | 09/25/2008 | 11:35:10 | 0.051                     |
| 13295      | 09/25/2008 | 11:35:11 | 0.050                     |
| 13296      | 09/25/2008 | 11:35:12 | 0.048                     |
| 13297      | 09/25/2008 | 11:35:13 | 0.049                     |
| 13298      | 09/25/2008 | 11:35:14 | 0.055                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 13299      | 09/25/2008 | 11:35:15 | 0.045                     |
| 13300      | 09/25/2008 | 11:35:16 | 0.048                     |
| 13301      | 09/25/2008 | 11:35:17 | 0.073                     |
| 13302      | 09/25/2008 | 11:35:18 | 0.050                     |
| 13303      | 09/25/2008 | 11:35:19 | 0.048                     |
| 13304      | 09/25/2008 | 11:35:20 | 0.053                     |
| 13305      | 09/25/2008 | 11:35:21 | 0.049                     |
| 13306      | 09/25/2008 | 11:35:22 | 0.048                     |
| 13307      | 09/25/2008 | 11:35:23 | 0.052                     |
| 13308      | 09/25/2008 | 11:35:24 | 0.049                     |
| 13309      | 09/25/2008 | 11:35:25 | 0.056                     |
| 13310      | 09/25/2008 | 11:35:26 | 0.045                     |
| 13311      | 09/25/2008 | 11:35:27 | 0.054                     |
| 13312      | 09/25/2008 | 11:35:28 | 0.045                     |
| 13313      | 09/25/2008 | 11:35:29 | 0.051                     |
| 13314      | 09/25/2008 | 11:35:30 | 0.051                     |
| 13315      | 09/25/2008 | 11:35:31 | 0.116                     |
| 13316      | 09/25/2008 | 11:35:32 | 0.051                     |
| 13317      | 09/25/2008 | 11:35:33 | 0.049                     |
| 13318      | 09/25/2008 | 11:35:34 | 0.047                     |
| 13319      | 09/25/2008 | 11:35:35 | 0.046                     |
| 13320      | 09/25/2008 | 11:35:36 | 0.051                     |
| 13321      | 09/25/2008 | 11:35:37 | 0.046                     |
| 13322      | 09/25/2008 | 11:35:38 | 0.050                     |
| 13323      | 09/25/2008 | 11:35:39 | 0.055                     |
| 13324      | 09/25/2008 | 11:35:40 | 0.048                     |
| 13325      | 09/25/2008 | 11:35:41 | 0.049                     |
| 13326      | 09/25/2008 | 11:35:42 | 0.053                     |
| 13327      | 09/25/2008 | 11:35:43 | 0.054                     |
| 13328      | 09/25/2008 | 11:35:44 | 0.050                     |
| 13329      | 09/25/2008 | 11:35:45 | 0.053                     |
| 13330      | 09/25/2008 | 11:35:46 | 0.046                     |
| 13331      | 09/25/2008 | 11:35:47 | 0.050                     |
| 13332      | 09/25/2008 | 11:35:48 | 0.056                     |
| 13333      | 09/25/2008 | 11:35:49 | 0.050                     |
| 13334      | 09/25/2008 | 11:35:50 | 0.049                     |
| 13335      | 09/25/2008 | 11:35:51 | 0.059                     |
| 13336      | 09/25/2008 | 11:35:52 | 0.052                     |
| 13337      | 09/25/2008 | 11:35:53 | 0.048                     |
| 13338      | 09/25/2008 | 11:35:54 | 0.045                     |
| 13339      | 09/25/2008 | 11:35:55 | 0.055                     |
| 13340      | 09/25/2008 | 11:35:56 | 0.051                     |
| 13341      | 09/25/2008 | 11:35:57 | 0.050                     |
| 13342      | 09/25/2008 | 11:35:58 | 0.058                     |
| 13343      | 09/25/2008 | 11:35:59 | 0.107                     |
| 13344      | 09/25/2008 | 11:36:00 | 0.106                     |
| 13345      | 09/25/2008 | 11:36:01 | 0.051                     |
| 13346      | 09/25/2008 | 11:36:02 | 0.057                     |
| 13347      | 09/25/2008 | 11:36:03 | 0.053                     |
| 13348      | 09/25/2008 | 11:36:04 | 0.048                     |
| 13349      | 09/25/2008 | 11:36:05 | 0.049                     |
| 13350      | 09/25/2008 | 11:36:06 | 0.056                     |
| 13351      | 09/25/2008 | 11:36:07 | 0.050                     |
| 13352      | 09/25/2008 | 11:36:08 | 0.055                     |
| 13353      | 09/25/2008 | 11:36:09 | 0.056                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 13354      | 09/25/2008 | 11:36:10 | 0.053                     |
| 13355      | 09/25/2008 | 11:36:11 | 0.050                     |
| 13356      | 09/25/2008 | 11:36:12 | 0.047                     |
| 13357      | 09/25/2008 | 11:36:13 | 0.047                     |
| 13358      | 09/25/2008 | 11:36:14 | 0.049                     |
| 13359      | 09/25/2008 | 11:36:15 | 0.051                     |
| 13360      | 09/25/2008 | 11:36:16 | 0.052                     |
| 13361      | 09/25/2008 | 11:36:17 | 0.054                     |
| 13362      | 09/25/2008 | 11:36:18 | 0.068                     |
| 13363      | 09/25/2008 | 11:36:19 | 0.047                     |
| 13364      | 09/25/2008 | 11:36:20 | 0.063                     |
| 13365      | 09/25/2008 | 11:36:21 | 0.052                     |
| 13366      | 09/25/2008 | 11:36:22 | 0.114                     |
| 13367      | 09/25/2008 | 11:36:23 | 0.070                     |
| 13368      | 09/25/2008 | 11:36:24 | 0.050                     |
| 13369      | 09/25/2008 | 11:36:25 | 0.051                     |
| 13370      | 09/25/2008 | 11:36:26 | 0.053                     |
| 13371      | 09/25/2008 | 11:36:27 | 0.051                     |
| 13372      | 09/25/2008 | 11:36:28 | 0.054                     |
| 13373      | 09/25/2008 | 11:36:29 | 0.052                     |
| 13374      | 09/25/2008 | 11:36:30 | 0.056                     |
| 13375      | 09/25/2008 | 11:36:31 | 0.049                     |
| 13376      | 09/25/2008 | 11:36:32 | 0.054                     |
| 13377      | 09/25/2008 | 11:36:33 | 0.054                     |
| 13378      | 09/25/2008 | 11:36:34 | 0.057                     |
| 13379      | 09/25/2008 | 11:36:35 | 0.052                     |
| 13380      | 09/25/2008 | 11:36:36 | 0.050                     |
| 13381      | 09/25/2008 | 11:36:37 | 0.053                     |
| 13382      | 09/25/2008 | 11:36:38 | 0.046                     |
| 13383      | 09/25/2008 | 11:36:39 | 0.049                     |
| 13384      | 09/25/2008 | 11:36:40 | 0.046                     |
| 13385      | 09/25/2008 | 11:36:41 | 0.057                     |
| 13386      | 09/25/2008 | 11:36:42 | 0.046                     |
| 13387      | 09/25/2008 | 11:36:43 | 0.051                     |
| 13388      | 09/25/2008 | 11:36:44 | 0.057                     |
| 13389      | 09/25/2008 | 11:36:45 | 0.049                     |
| 13390      | 09/25/2008 | 11:36:46 | 0.048                     |
| 13391      | 09/25/2008 | 11:36:47 | 0.054                     |
| 13392      | 09/25/2008 | 11:36:48 | 0.053                     |
| 13393      | 09/25/2008 | 11:36:49 | 0.060                     |
| 13394      | 09/25/2008 | 11:36:50 | 0.049                     |
| 13395      | 09/25/2008 | 11:36:51 | 0.049                     |
| 13396      | 09/25/2008 | 11:36:52 | 0.051                     |
| 13397      | 09/25/2008 | 11:36:53 | 0.053                     |
| 13398      | 09/25/2008 | 11:36:54 | 0.051                     |
| 13399      | 09/25/2008 | 11:36:55 | 0.050                     |
| 13400      | 09/25/2008 | 11:36:56 | 0.051                     |
| 13401      | 09/25/2008 | 11:36:57 | 0.053                     |
| 13402      | 09/25/2008 | 11:36:58 | 0.049                     |
| 13403      | 09/25/2008 | 11:36:59 | 0.044                     |
| 13404      | 09/25/2008 | 11:37:00 | 0.048                     |
| 13405      | 09/25/2008 | 11:37:01 | 0.050                     |
| 13406      | 09/25/2008 | 11:37:02 | 0.048                     |
| 13407      | 09/25/2008 | 11:37:03 | 0.050                     |
| 13408      | 09/25/2008 | 11:37:04 | 0.049                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 13409      | 09/25/2008 | 11:37:05 | 0.051                     |
| 13410      | 09/25/2008 | 11:37:06 | 0.057                     |
| 13411      | 09/25/2008 | 11:37:07 | 0.048                     |
| 13412      | 09/25/2008 | 11:37:08 | 0.052                     |
| 13413      | 09/25/2008 | 11:37:09 | 0.056                     |
| 13414      | 09/25/2008 | 11:37:10 | 0.048                     |
| 13415      | 09/25/2008 | 11:37:11 | 0.056                     |
| 13416      | 09/25/2008 | 11:37:12 | 0.050                     |
| 13417      | 09/25/2008 | 11:37:13 | 0.055                     |
| 13418      | 09/25/2008 | 11:37:14 | 0.055                     |
| 13419      | 09/25/2008 | 11:37:15 | 0.052                     |
| 13420      | 09/25/2008 | 11:37:16 | 0.048                     |
| 13421      | 09/25/2008 | 11:37:17 | 0.050                     |
| 13422      | 09/25/2008 | 11:37:18 | 0.054                     |
| 13423      | 09/25/2008 | 11:37:19 | 0.048                     |
| 13424      | 09/25/2008 | 11:37:20 | 0.049                     |
| 13425      | 09/25/2008 | 11:37:21 | 0.054                     |
| 13426      | 09/25/2008 | 11:37:22 | 0.051                     |
| 13427      | 09/25/2008 | 11:37:23 | 0.050                     |
| 13428      | 09/25/2008 | 11:37:24 | 0.052                     |
| 13429      | 09/25/2008 | 11:37:25 | 0.056                     |
| 13430      | 09/25/2008 | 11:37:26 | 0.046                     |
| 13431      | 09/25/2008 | 11:37:27 | 0.051                     |
| 13432      | 09/25/2008 | 11:37:28 | 0.053                     |
| 13433      | 09/25/2008 | 11:37:29 | 0.050                     |
| 13434      | 09/25/2008 | 11:37:30 | 0.049                     |
| 13435      | 09/25/2008 | 11:37:31 | 0.050                     |
| 13436      | 09/25/2008 | 11:37:32 | 0.050                     |
| 13437      | 09/25/2008 | 11:37:33 | 0.050                     |
| 13438      | 09/25/2008 | 11:37:34 | 0.049                     |
| 13439      | 09/25/2008 | 11:37:35 | 0.048                     |
| 13440      | 09/25/2008 | 11:37:36 | 0.051                     |
| 13441      | 09/25/2008 | 11:37:37 | 0.049                     |
| 13442      | 09/25/2008 | 11:37:38 | 0.056                     |
| 13443      | 09/25/2008 | 11:37:39 | 0.052                     |
| 13444      | 09/25/2008 | 11:37:40 | 0.051                     |
| 13445      | 09/25/2008 | 11:37:41 | 0.050                     |
| 13446      | 09/25/2008 | 11:37:42 | 0.047                     |
| 13447      | 09/25/2008 | 11:37:43 | 0.054                     |
| 13448      | 09/25/2008 | 11:37:44 | 0.052                     |
| 13449      | 09/25/2008 | 11:37:45 | 0.054                     |
| 13450      | 09/25/2008 | 11:37:46 | 0.054                     |
| 13451      | 09/25/2008 | 11:37:47 | 0.049                     |
| 13452      | 09/25/2008 | 11:37:48 | 0.051                     |
| 13453      | 09/25/2008 | 11:37:49 | 0.053                     |
| 13454      | 09/25/2008 | 11:37:50 | 0.054                     |
| 13455      | 09/25/2008 | 11:37:51 | 0.048                     |
| 13456      | 09/25/2008 | 11:37:52 | 0.048                     |
| 13457      | 09/25/2008 | 11:37:53 | 0.055                     |
| 13458      | 09/25/2008 | 11:37:54 | 0.052                     |
| 13459      | 09/25/2008 | 11:37:55 | 0.047                     |
| 13460      | 09/25/2008 | 11:37:56 | 0.049                     |
| 13461      | 09/25/2008 | 11:37:57 | 0.054                     |
| 13462      | 09/25/2008 | 11:37:58 | 0.098                     |
| 13463      | 09/25/2008 | 11:37:59 | 0.058                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 13464      | 09/25/2008 | 11:38:00 | 0.058                     |
| 13465      | 09/25/2008 | 11:38:01 | 0.048                     |
| 13466      | 09/25/2008 | 11:38:02 | 0.050                     |
| 13467      | 09/25/2008 | 11:38:03 | 0.048                     |
| 13468      | 09/25/2008 | 11:38:04 | 0.060                     |
| 13469      | 09/25/2008 | 11:38:05 | 0.050                     |
| 13470      | 09/25/2008 | 11:38:06 | 0.061                     |
| 13471      | 09/25/2008 | 11:38:07 | 0.051                     |
| 13472      | 09/25/2008 | 11:38:08 | 0.054                     |
| 13473      | 09/25/2008 | 11:38:09 | 0.054                     |
| 13474      | 09/25/2008 | 11:38:10 | 0.053                     |
| 13475      | 09/25/2008 | 11:38:11 | 0.056                     |
| 13476      | 09/25/2008 | 11:38:12 | 0.049                     |
| 13477      | 09/25/2008 | 11:38:13 | 0.052                     |
| 13478      | 09/25/2008 | 11:38:14 | 0.065                     |
| 13479      | 09/25/2008 | 11:38:15 | 0.047                     |
| 13480      | 09/25/2008 | 11:38:16 | 0.053                     |
| 13481      | 09/25/2008 | 11:38:17 | 0.053                     |
| 13482      | 09/25/2008 | 11:38:18 | 0.049                     |
| 13483      | 09/25/2008 | 11:38:19 | 0.054                     |
| 13484      | 09/25/2008 | 11:38:20 | 0.053                     |
| 13485      | 09/25/2008 | 11:38:21 | 0.057                     |
| 13486      | 09/25/2008 | 11:38:22 | 0.060                     |
| 13487      | 09/25/2008 | 11:38:23 | 0.055                     |
| 13488      | 09/25/2008 | 11:38:24 | 0.052                     |
| 13489      | 09/25/2008 | 11:38:25 | 0.048                     |
| 13490      | 09/25/2008 | 11:38:26 | 0.052                     |
| 13491      | 09/25/2008 | 11:38:27 | 0.047                     |
| 13492      | 09/25/2008 | 11:38:28 | 0.058                     |
| 13493      | 09/25/2008 | 11:38:29 | 0.057                     |
| 13494      | 09/25/2008 | 11:38:30 | 0.051                     |
| 13495      | 09/25/2008 | 11:38:31 | 0.049                     |
| 13496      | 09/25/2008 | 11:38:32 | 0.059                     |
| 13497      | 09/25/2008 | 11:38:33 | 0.050                     |
| 13498      | 09/25/2008 | 11:38:34 | 0.053                     |
| 13499      | 09/25/2008 | 11:38:35 | 0.050                     |
| 13500      | 09/25/2008 | 11:38:36 | 0.048                     |
| 13501      | 09/25/2008 | 11:38:37 | 0.046                     |
| 13502      | 09/25/2008 | 11:38:38 | 0.056                     |
| 13503      | 09/25/2008 | 11:38:39 | 0.049                     |
| 13504      | 09/25/2008 | 11:38:40 | 0.052                     |
| 13505      | 09/25/2008 | 11:38:41 | 0.052                     |
| 13506      | 09/25/2008 | 11:38:42 | 0.051                     |
| 13507      | 09/25/2008 | 11:38:43 | 0.053                     |
| 13508      | 09/25/2008 | 11:38:44 | 0.048                     |
| 13509      | 09/25/2008 | 11:38:45 | 0.049                     |
| 13510      | 09/25/2008 | 11:38:46 | 0.052                     |
| 13511      | 09/25/2008 | 11:38:47 | 0.054                     |
| 13512      | 09/25/2008 | 11:38:48 | 0.049                     |
| 13513      | 09/25/2008 | 11:38:49 | 0.053                     |
| 13514      | 09/25/2008 | 11:38:50 | 0.046                     |
| 13515      | 09/25/2008 | 11:38:51 | 0.054                     |
| 13516      | 09/25/2008 | 11:38:52 | 0.056                     |
| 13517      | 09/25/2008 | 11:38:53 | 0.050                     |
| 13518      | 09/25/2008 | 11:38:54 | 0.053                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 13519      | 09/25/2008 | 11:38:55 | 0.129                     |
| 13520      | 09/25/2008 | 11:38:56 | 0.194                     |
| 13521      | 09/25/2008 | 11:38:57 | 0.051                     |
| 13522      | 09/25/2008 | 11:38:58 | 0.050                     |
| 13523      | 09/25/2008 | 11:38:59 | 0.049                     |
| 13524      | 09/25/2008 | 11:39:00 | 0.055                     |
| 13525      | 09/25/2008 | 11:39:01 | 0.054                     |
| 13526      | 09/25/2008 | 11:39:02 | 0.052                     |
| 13527      | 09/25/2008 | 11:39:03 | 0.057                     |
| 13528      | 09/25/2008 | 11:39:04 | 0.047                     |
| 13529      | 09/25/2008 | 11:39:05 | 0.053                     |
| 13530      | 09/25/2008 | 11:39:06 | 0.050                     |
| 13531      | 09/25/2008 | 11:39:07 | 0.058                     |
| 13532      | 09/25/2008 | 11:39:08 | 0.045                     |
| 13533      | 09/25/2008 | 11:39:09 | 0.052                     |
| 13534      | 09/25/2008 | 11:39:10 | 0.051                     |
| 13535      | 09/25/2008 | 11:39:11 | 0.051                     |
| 13536      | 09/25/2008 | 11:39:12 | 0.051                     |
| 13537      | 09/25/2008 | 11:39:13 | 0.056                     |
| 13538      | 09/25/2008 | 11:39:14 | 0.054                     |
| 13539      | 09/25/2008 | 11:39:15 | 0.054                     |
| 13540      | 09/25/2008 | 11:39:16 | 0.052                     |
| 13541      | 09/25/2008 | 11:39:17 | 0.047                     |
| 13542      | 09/25/2008 | 11:39:18 | 0.047                     |
| 13543      | 09/25/2008 | 11:39:19 | 0.055                     |
| 13544      | 09/25/2008 | 11:39:20 | 0.047                     |
| 13545      | 09/25/2008 | 11:39:21 | 0.050                     |
| 13546      | 09/25/2008 | 11:39:22 | 0.053                     |
| 13547      | 09/25/2008 | 11:39:23 | 0.052                     |
| 13548      | 09/25/2008 | 11:39:24 | 0.048                     |
| 13549      | 09/25/2008 | 11:39:25 | 0.051                     |
| 13550      | 09/25/2008 | 11:39:26 | 0.049                     |
| 13551      | 09/25/2008 | 11:39:27 | 0.049                     |
| 13552      | 09/25/2008 | 11:39:28 | 0.048                     |
| 13553      | 09/25/2008 | 11:39:29 | 0.055                     |
| 13554      | 09/25/2008 | 11:39:30 | 0.047                     |
| 13555      | 09/25/2008 | 11:39:31 | 0.052                     |
| 13556      | 09/25/2008 | 11:39:32 | 0.072                     |
| 13557      | 09/25/2008 | 11:39:33 | 0.055                     |
| 13558      | 09/25/2008 | 11:39:34 | 0.053                     |
| 13559      | 09/25/2008 | 11:39:35 | 0.052                     |
| 13560      | 09/25/2008 | 11:39:36 | 0.050                     |
| 13561      | 09/25/2008 | 11:39:37 | 0.056                     |
| 13562      | 09/25/2008 | 11:39:38 | 0.050                     |
| 13563      | 09/25/2008 | 11:39:39 | 0.054                     |
| 13564      | 09/25/2008 | 11:39:40 | 0.053                     |
| 13565      | 09/25/2008 | 11:39:41 | 0.051                     |
| 13566      | 09/25/2008 | 11:39:42 | 0.049                     |
| 13567      | 09/25/2008 | 11:39:43 | 0.099                     |
| 13568      | 09/25/2008 | 11:39:44 | 0.053                     |
| 13569      | 09/25/2008 | 11:39:45 | 0.050                     |
| 13570      | 09/25/2008 | 11:39:46 | 0.051                     |
| 13571      | 09/25/2008 | 11:39:47 | 0.050                     |
| 13572      | 09/25/2008 | 11:39:48 | 0.049                     |
| 13573      | 09/25/2008 | 11:39:49 | 0.049                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 13574      | 09/25/2008 | 11:39:50 | 0.047                     |
| 13575      | 09/25/2008 | 11:39:51 | 0.053                     |
| 13576      | 09/25/2008 | 11:39:52 | 0.060                     |
| 13577      | 09/25/2008 | 11:39:53 | 0.050                     |
| 13578      | 09/25/2008 | 11:39:54 | 0.052                     |
| 13579      | 09/25/2008 | 11:39:55 | 0.053                     |
| 13580      | 09/25/2008 | 11:39:56 | 0.063                     |
| 13581      | 09/25/2008 | 11:39:57 | 0.088                     |
| 13582      | 09/25/2008 | 11:39:58 | 0.063                     |
| 13583      | 09/25/2008 | 11:39:59 | 0.068                     |
| 13584      | 09/25/2008 | 11:40:00 | 0.056                     |
| 13585      | 09/25/2008 | 11:40:01 | 0.077                     |
| 13586      | 09/25/2008 | 11:40:02 | 0.057                     |
| 13587      | 09/25/2008 | 11:40:03 | 0.055                     |
| 13588      | 09/25/2008 | 11:40:04 | 0.056                     |
| 13589      | 09/25/2008 | 11:40:05 | 0.050                     |
| 13590      | 09/25/2008 | 11:40:06 | 0.051                     |
| 13591      | 09/25/2008 | 11:40:07 | 0.050                     |
| 13592      | 09/25/2008 | 11:40:08 | 0.060                     |
| 13593      | 09/25/2008 | 11:40:09 | 0.053                     |
| 13594      | 09/25/2008 | 11:40:10 | 0.049                     |
| 13595      | 09/25/2008 | 11:40:11 | 0.049                     |
| 13596      | 09/25/2008 | 11:40:12 | 0.057                     |
| 13597      | 09/25/2008 | 11:40:13 | 0.051                     |
| 13598      | 09/25/2008 | 11:40:14 | 0.049                     |
| 13599      | 09/25/2008 | 11:40:15 | 0.049                     |
| 13600      | 09/25/2008 | 11:40:16 | 0.061                     |
| 13601      | 09/25/2008 | 11:40:17 | 0.053                     |
| 13602      | 09/25/2008 | 11:40:18 | 0.050                     |
| 13603      | 09/25/2008 | 11:40:19 | 0.051                     |
| 13604      | 09/25/2008 | 11:40:20 | 0.051                     |
| 13605      | 09/25/2008 | 11:40:21 | 0.051                     |
| 13606      | 09/25/2008 | 11:40:22 | 0.048                     |
| 13607      | 09/25/2008 | 11:40:23 | 0.048                     |
| 13608      | 09/25/2008 | 11:40:24 | 0.052                     |
| 13609      | 09/25/2008 | 11:40:25 | 0.055                     |
| 13610      | 09/25/2008 | 11:40:26 | 0.056                     |
| 13611      | 09/25/2008 | 11:40:27 | 0.054                     |
| 13612      | 09/25/2008 | 11:40:28 | 0.060                     |
| 13613      | 09/25/2008 | 11:40:29 | 0.054                     |
| 13614      | 09/25/2008 | 11:40:30 | 0.089                     |
| 13615      | 09/25/2008 | 11:40:31 | 0.048                     |
| 13616      | 09/25/2008 | 11:40:32 | 0.058                     |
| 13617      | 09/25/2008 | 11:40:33 | 0.052                     |
| 13618      | 09/25/2008 | 11:40:34 | 0.055                     |
| 13619      | 09/25/2008 | 11:40:35 | 0.048                     |
| 13620      | 09/25/2008 | 11:40:36 | 0.050                     |
| 13621      | 09/25/2008 | 11:40:37 | 0.052                     |
| 13622      | 09/25/2008 | 11:40:38 | 0.051                     |
| 13623      | 09/25/2008 | 11:40:39 | 0.049                     |
| 13624      | 09/25/2008 | 11:40:40 | 0.047                     |
| 13625      | 09/25/2008 | 11:40:41 | 0.062                     |
| 13626      | 09/25/2008 | 11:40:42 | 0.065                     |
| 13627      | 09/25/2008 | 11:40:43 | 0.050                     |
| 13628      | 09/25/2008 | 11:40:44 | 0.051                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 13629      | 09/25/2008 | 11:40:45 | 0.051                     |
| 13630      | 09/25/2008 | 11:40:46 | 0.047                     |
| 13631      | 09/25/2008 | 11:40:47 | 0.051                     |
| 13632      | 09/25/2008 | 11:40:48 | 0.050                     |
| 13633      | 09/25/2008 | 11:40:49 | 0.054                     |
| 13634      | 09/25/2008 | 11:40:50 | 0.082                     |
| 13635      | 09/25/2008 | 11:40:51 | 0.051                     |
| 13636      | 09/25/2008 | 11:40:52 | 0.052                     |
| 13637      | 09/25/2008 | 11:40:53 | 0.056                     |
| 13638      | 09/25/2008 | 11:40:54 | 0.049                     |
| 13639      | 09/25/2008 | 11:40:55 | 0.049                     |
| 13640      | 09/25/2008 | 11:40:56 | 0.047                     |
| 13641      | 09/25/2008 | 11:40:57 | 0.052                     |
| 13642      | 09/25/2008 | 11:40:58 | 0.053                     |
| 13643      | 09/25/2008 | 11:40:59 | 0.053                     |
| 13644      | 09/25/2008 | 11:41:00 | 0.052                     |
| 13645      | 09/25/2008 | 11:41:01 | 0.055                     |
| 13646      | 09/25/2008 | 11:41:02 | 0.048                     |
| 13647      | 09/25/2008 | 11:41:03 | 0.128                     |
| 13648      | 09/25/2008 | 11:41:04 | 0.050                     |
| 13649      | 09/25/2008 | 11:41:05 | 0.050                     |
| 13650      | 09/25/2008 | 11:41:06 | 0.054                     |
| 13651      | 09/25/2008 | 11:41:07 | 0.046                     |
| 13652      | 09/25/2008 | 11:41:08 | 0.051                     |
| 13653      | 09/25/2008 | 11:41:09 | 0.056                     |
| 13654      | 09/25/2008 | 11:41:10 | 0.051                     |
| 13655      | 09/25/2008 | 11:41:11 | 0.050                     |
| 13656      | 09/25/2008 | 11:41:12 | 0.056                     |
| 13657      | 09/25/2008 | 11:41:13 | 0.049                     |
| 13658      | 09/25/2008 | 11:41:14 | 0.048                     |
| 13659      | 09/25/2008 | 11:41:15 | 0.050                     |
| 13660      | 09/25/2008 | 11:41:16 | 0.055                     |
| 13661      | 09/25/2008 | 11:41:17 | 0.048                     |
| 13662      | 09/25/2008 | 11:41:18 | 0.057                     |
| 13663      | 09/25/2008 | 11:41:19 | 0.048                     |
| 13664      | 09/25/2008 | 11:41:20 | 0.052                     |
| 13665      | 09/25/2008 | 11:41:21 | 0.055                     |
| 13666      | 09/25/2008 | 11:41:22 | 0.049                     |
| 13667      | 09/25/2008 | 11:41:23 | 0.050                     |
| 13668      | 09/25/2008 | 11:41:24 | 0.049                     |
| 13669      | 09/25/2008 | 11:41:25 | 0.051                     |
| 13670      | 09/25/2008 | 11:41:26 | 0.049                     |
| 13671      | 09/25/2008 | 11:41:27 | 0.049                     |
| 13672      | 09/25/2008 | 11:41:28 | 0.054                     |
| 13673      | 09/25/2008 | 11:41:29 | 0.048                     |
| 13674      | 09/25/2008 | 11:41:30 | 0.056                     |
| 13675      | 09/25/2008 | 11:41:31 | 0.101                     |
| 13676      | 09/25/2008 | 11:41:32 | 0.053                     |
| 13677      | 09/25/2008 | 11:41:33 | 0.049                     |
| 13678      | 09/25/2008 | 11:41:34 | 0.050                     |
| 13679      | 09/25/2008 | 11:41:35 | 0.047                     |
| 13680      | 09/25/2008 | 11:41:36 | 0.051                     |
| 13681      | 09/25/2008 | 11:41:37 | 0.052                     |
| 13682      | 09/25/2008 | 11:41:38 | 0.049                     |
| 13683      | 09/25/2008 | 11:41:39 | 0.054                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 13684      | 09/25/2008 | 11:41:40 | 0.048                     |
| 13685      | 09/25/2008 | 11:41:41 | 0.068                     |
| 13686      | 09/25/2008 | 11:41:42 | 0.056                     |
| 13687      | 09/25/2008 | 11:41:43 | 0.052                     |
| 13688      | 09/25/2008 | 11:41:44 | 0.053                     |
| 13689      | 09/25/2008 | 11:41:45 | 0.052                     |
| 13690      | 09/25/2008 | 11:41:46 | 0.053                     |
| 13691      | 09/25/2008 | 11:41:47 | 0.058                     |
| 13692      | 09/25/2008 | 11:41:48 | 0.056                     |
| 13693      | 09/25/2008 | 11:41:49 | 0.081                     |
| 13694      | 09/25/2008 | 11:41:50 | 0.049                     |
| 13695      | 09/25/2008 | 11:41:51 | 0.051                     |
| 13696      | 09/25/2008 | 11:41:52 | 0.051                     |
| 13697      | 09/25/2008 | 11:41:53 | 0.056                     |
| 13698      | 09/25/2008 | 11:41:54 | 0.078                     |
| 13699      | 09/25/2008 | 11:41:55 | 0.054                     |
| 13700      | 09/25/2008 | 11:41:56 | 0.059                     |
| 13701      | 09/25/2008 | 11:41:57 | 0.051                     |
| 13702      | 09/25/2008 | 11:41:58 | 0.058                     |
| 13703      | 09/25/2008 | 11:41:59 | 0.056                     |
| 13704      | 09/25/2008 | 11:42:00 | 0.071                     |
| 13705      | 09/25/2008 | 11:42:01 | 0.053                     |
| 13706      | 09/25/2008 | 11:42:02 | 0.050                     |
| 13707      | 09/25/2008 | 11:42:03 | 0.053                     |
| 13708      | 09/25/2008 | 11:42:04 | 0.057                     |
| 13709      | 09/25/2008 | 11:42:05 | 0.053                     |
| 13710      | 09/25/2008 | 11:42:06 | 0.050                     |
| 13711      | 09/25/2008 | 11:42:07 | 0.053                     |
| 13712      | 09/25/2008 | 11:42:08 | 0.050                     |
| 13713      | 09/25/2008 | 11:42:09 | 0.059                     |
| 13714      | 09/25/2008 | 11:42:10 | 0.054                     |
| 13715      | 09/25/2008 | 11:42:11 | 0.051                     |
| 13716      | 09/25/2008 | 11:42:12 | 0.065                     |
| 13717      | 09/25/2008 | 11:42:13 | 0.077                     |
| 13718      | 09/25/2008 | 11:42:14 | 0.066                     |
| 13719      | 09/25/2008 | 11:42:15 | 0.074                     |
| 13720      | 09/25/2008 | 11:42:16 | 0.084                     |
| 13721      | 09/25/2008 | 11:42:17 | 0.058                     |
| 13722      | 09/25/2008 | 11:42:18 | 0.056                     |
| 13723      | 09/25/2008 | 11:42:19 | 0.059                     |
| 13724      | 09/25/2008 | 11:42:20 | 0.076                     |
| 13725      | 09/25/2008 | 11:42:21 | 0.051                     |
| 13726      | 09/25/2008 | 11:42:22 | 0.050                     |
| 13727      | 09/25/2008 | 11:42:23 | 0.053                     |
| 13728      | 09/25/2008 | 11:42:24 | 0.069                     |
| 13729      | 09/25/2008 | 11:42:25 | 0.067                     |
| 13730      | 09/25/2008 | 11:42:26 | 0.084                     |
| 13731      | 09/25/2008 | 11:42:27 | 0.068                     |
| 13732      | 09/25/2008 | 11:42:28 | 0.067                     |
| 13733      | 09/25/2008 | 11:42:29 | 0.082                     |
| 13734      | 09/25/2008 | 11:42:30 | 0.066                     |
| 13735      | 09/25/2008 | 11:42:31 | 0.057                     |
| 13736      | 09/25/2008 | 11:42:32 | 0.065                     |
| 13737      | 09/25/2008 | 11:42:33 | 0.052                     |
| 13738      | 09/25/2008 | 11:42:34 | 0.051                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 13739      | 09/25/2008 | 11:42:35 | 0.050                     |
| 13740      | 09/25/2008 | 11:42:36 | 0.050                     |
| 13741      | 09/25/2008 | 11:42:37 | 0.052                     |
| 13742      | 09/25/2008 | 11:42:38 | 0.059                     |
| 13743      | 09/25/2008 | 11:42:39 | 0.052                     |
| 13744      | 09/25/2008 | 11:42:40 | 0.052                     |
| 13745      | 09/25/2008 | 11:42:41 | 0.051                     |
| 13746      | 09/25/2008 | 11:42:42 | 0.050                     |
| 13747      | 09/25/2008 | 11:42:43 | 0.056                     |
| 13748      | 09/25/2008 | 11:42:44 | 0.062                     |
| 13749      | 09/25/2008 | 11:42:45 | 0.051                     |
| 13750      | 09/25/2008 | 11:42:46 | 0.057                     |
| 13751      | 09/25/2008 | 11:42:47 | 0.053                     |
| 13752      | 09/25/2008 | 11:42:48 | 0.055                     |
| 13753      | 09/25/2008 | 11:42:49 | 0.059                     |
| 13754      | 09/25/2008 | 11:42:50 | 0.055                     |
| 13755      | 09/25/2008 | 11:42:51 | 0.052                     |
| 13756      | 09/25/2008 | 11:42:52 | 0.048                     |
| 13757      | 09/25/2008 | 11:42:53 | 0.048                     |
| 13758      | 09/25/2008 | 11:42:54 | 0.062                     |
| 13759      | 09/25/2008 | 11:42:55 | 0.051                     |
| 13760      | 09/25/2008 | 11:42:56 | 0.077                     |
| 13761      | 09/25/2008 | 11:42:57 | 0.049                     |
| 13762      | 09/25/2008 | 11:42:58 | 0.052                     |
| 13763      | 09/25/2008 | 11:42:59 | 0.047                     |
| 13764      | 09/25/2008 | 11:43:00 | 0.051                     |
| 13765      | 09/25/2008 | 11:43:01 | 0.054                     |
| 13766      | 09/25/2008 | 11:43:02 | 0.056                     |
| 13767      | 09/25/2008 | 11:43:03 | 0.051                     |
| 13768      | 09/25/2008 | 11:43:04 | 0.056                     |
| 13769      | 09/25/2008 | 11:43:05 | 0.057                     |
| 13770      | 09/25/2008 | 11:43:06 | 0.054                     |
| 13771      | 09/25/2008 | 11:43:07 | 0.049                     |
| 13772      | 09/25/2008 | 11:43:08 | 0.052                     |
| 13773      | 09/25/2008 | 11:43:09 | 0.048                     |
| 13774      | 09/25/2008 | 11:43:10 | 0.055                     |
| 13775      | 09/25/2008 | 11:43:11 | 0.056                     |
| 13776      | 09/25/2008 | 11:43:12 | 0.062                     |
| 13777      | 09/25/2008 | 11:43:13 | 0.052                     |
| 13778      | 09/25/2008 | 11:43:14 | 0.065                     |
| 13779      | 09/25/2008 | 11:43:15 | 0.052                     |
| 13780      | 09/25/2008 | 11:43:16 | 0.053                     |
| 13781      | 09/25/2008 | 11:43:17 | 0.053                     |
| 13782      | 09/25/2008 | 11:43:18 | 0.055                     |
| 13783      | 09/25/2008 | 11:43:19 | 0.047                     |
| 13784      | 09/25/2008 | 11:43:20 | 0.048                     |
| 13785      | 09/25/2008 | 11:43:21 | 0.046                     |
| 13786      | 09/25/2008 | 11:43:22 | 0.048                     |
| 13787      | 09/25/2008 | 11:43:23 | 0.051                     |
| 13788      | 09/25/2008 | 11:43:24 | 0.058                     |
| 13789      | 09/25/2008 | 11:43:25 | 0.050                     |
| 13790      | 09/25/2008 | 11:43:26 | 0.055                     |
| 13791      | 09/25/2008 | 11:43:27 | 0.056                     |
| 13792      | 09/25/2008 | 11:43:28 | 0.057                     |
| 13793      | 09/25/2008 | 11:43:29 | 0.056                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 13794      | 09/25/2008 | 11:43:30 | 0.054                     |
| 13795      | 09/25/2008 | 11:43:31 | 0.049                     |
| 13796      | 09/25/2008 | 11:43:32 | 0.053                     |
| 13797      | 09/25/2008 | 11:43:33 | 0.050                     |
| 13798      | 09/25/2008 | 11:43:34 | 0.058                     |
| 13799      | 09/25/2008 | 11:43:35 | 0.095                     |
| 13800      | 09/25/2008 | 11:43:36 | 0.068                     |
| 13801      | 09/25/2008 | 11:43:37 | 0.078                     |
| 13802      | 09/25/2008 | 11:43:38 | 0.061                     |
| 13803      | 09/25/2008 | 11:43:39 | 0.057                     |
| 13804      | 09/25/2008 | 11:43:40 | 0.050                     |
| 13805      | 09/25/2008 | 11:43:41 | 0.055                     |
| 13806      | 09/25/2008 | 11:43:42 | 0.052                     |
| 13807      | 09/25/2008 | 11:43:43 | 0.058                     |
| 13808      | 09/25/2008 | 11:43:44 | 0.051                     |
| 13809      | 09/25/2008 | 11:43:45 | 0.059                     |
| 13810      | 09/25/2008 | 11:43:46 | 0.057                     |
| 13811      | 09/25/2008 | 11:43:47 | 0.049                     |
| 13812      | 09/25/2008 | 11:43:48 | 0.052                     |
| 13813      | 09/25/2008 | 11:43:49 | 0.051                     |
| 13814      | 09/25/2008 | 11:43:50 | 0.050                     |
| 13815      | 09/25/2008 | 11:43:51 | 0.055                     |
| 13816      | 09/25/2008 | 11:43:52 | 0.056                     |
| 13817      | 09/25/2008 | 11:43:53 | 0.053                     |
| 13818      | 09/25/2008 | 11:43:54 | 0.052                     |
| 13819      | 09/25/2008 | 11:43:55 | 0.054                     |
| 13820      | 09/25/2008 | 11:43:56 | 0.053                     |
| 13821      | 09/25/2008 | 11:43:57 | 0.057                     |
| 13822      | 09/25/2008 | 11:43:58 | 0.055                     |
| 13823      | 09/25/2008 | 11:43:59 | 0.049                     |
| 13824      | 09/25/2008 | 11:44:00 | 0.054                     |
| 13825      | 09/25/2008 | 11:44:01 | 0.049                     |
| 13826      | 09/25/2008 | 11:44:02 | 0.057                     |
| 13827      | 09/25/2008 | 11:44:03 | 0.054                     |
| 13828      | 09/25/2008 | 11:44:04 | 0.055                     |
| 13829      | 09/25/2008 | 11:44:05 | 0.051                     |
| 13830      | 09/25/2008 | 11:44:06 | 0.050                     |
| 13831      | 09/25/2008 | 11:44:07 | 0.052                     |
| 13832      | 09/25/2008 | 11:44:08 | 0.055                     |
| 13833      | 09/25/2008 | 11:44:09 | 0.061                     |
| 13834      | 09/25/2008 | 11:44:10 | 0.060                     |
| 13835      | 09/25/2008 | 11:44:11 | 0.068                     |
| 13836      | 09/25/2008 | 11:44:12 | 0.052                     |
| 13837      | 09/25/2008 | 11:44:13 | 0.061                     |
| 13838      | 09/25/2008 | 11:44:14 | 0.061                     |
| 13839      | 09/25/2008 | 11:44:15 | 0.058                     |
| 13840      | 09/25/2008 | 11:44:16 | 0.053                     |
| 13841      | 09/25/2008 | 11:44:17 | 0.057                     |
| 13842      | 09/25/2008 | 11:44:18 | 0.049                     |
| 13843      | 09/25/2008 | 11:44:19 | 0.049                     |
| 13844      | 09/25/2008 | 11:44:20 | 0.054                     |
| 13845      | 09/25/2008 | 11:44:21 | 0.055                     |
| 13846      | 09/25/2008 | 11:44:22 | 0.057                     |
| 13847      | 09/25/2008 | 11:44:23 | 0.050                     |
| 13848      | 09/25/2008 | 11:44:24 | 0.056                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 13849      | 09/25/2008 | 11:44:25 | 0.052                     |
| 13850      | 09/25/2008 | 11:44:26 | 0.056                     |
| 13851      | 09/25/2008 | 11:44:27 | 0.060                     |
| 13852      | 09/25/2008 | 11:44:28 | 0.050                     |
| 13853      | 09/25/2008 | 11:44:29 | 0.054                     |
| 13854      | 09/25/2008 | 11:44:30 | 0.056                     |
| 13855      | 09/25/2008 | 11:44:31 | 0.051                     |
| 13856      | 09/25/2008 | 11:44:32 | 0.051                     |
| 13857      | 09/25/2008 | 11:44:33 | 0.060                     |
| 13858      | 09/25/2008 | 11:44:34 | 0.053                     |
| 13859      | 09/25/2008 | 11:44:35 | 0.054                     |
| 13860      | 09/25/2008 | 11:44:36 | 0.047                     |
| 13861      | 09/25/2008 | 11:44:37 | 0.049                     |
| 13862      | 09/25/2008 | 11:44:38 | 0.058                     |
| 13863      | 09/25/2008 | 11:44:39 | 0.051                     |
| 13864      | 09/25/2008 | 11:44:40 | 0.049                     |
| 13865      | 09/25/2008 | 11:44:41 | 0.054                     |
| 13866      | 09/25/2008 | 11:44:42 | 0.050                     |
| 13867      | 09/25/2008 | 11:44:43 | 0.055                     |
| 13868      | 09/25/2008 | 11:44:44 | 0.076                     |
| 13869      | 09/25/2008 | 11:44:45 | 0.059                     |
| 13870      | 09/25/2008 | 11:44:46 | 0.050                     |
| 13871      | 09/25/2008 | 11:44:47 | 0.062                     |
| 13872      | 09/25/2008 | 11:44:48 | 0.061                     |
| 13873      | 09/25/2008 | 11:44:49 | 0.051                     |
| 13874      | 09/25/2008 | 11:44:50 | 0.048                     |
| 13875      | 09/25/2008 | 11:44:51 | 0.049                     |
| 13876      | 09/25/2008 | 11:44:52 | 0.062                     |
| 13877      | 09/25/2008 | 11:44:53 | 0.051                     |
| 13878      | 09/25/2008 | 11:44:54 | 0.054                     |
| 13879      | 09/25/2008 | 11:44:55 | 0.059                     |
| 13880      | 09/25/2008 | 11:44:56 | 0.050                     |
| 13881      | 09/25/2008 | 11:44:57 | 0.049                     |
| 13882      | 09/25/2008 | 11:44:58 | 0.049                     |
| 13883      | 09/25/2008 | 11:44:59 | 0.048                     |
| 13884      | 09/25/2008 | 11:45:00 | 0.049                     |
| 13885      | 09/25/2008 | 11:45:01 | 0.047                     |
| 13886      | 09/25/2008 | 11:45:02 | 0.054                     |
| 13887      | 09/25/2008 | 11:45:03 | 0.082                     |
| 13888      | 09/25/2008 | 11:45:04 | 0.072                     |
| 13889      | 09/25/2008 | 11:45:05 | 0.068                     |
| 13890      | 09/25/2008 | 11:45:06 | 0.061                     |
| 13891      | 09/25/2008 | 11:45:07 | 0.051                     |
| 13892      | 09/25/2008 | 11:45:08 | 0.059                     |
| 13893      | 09/25/2008 | 11:45:09 | 0.050                     |
| 13894      | 09/25/2008 | 11:45:10 | 0.050                     |
| 13895      | 09/25/2008 | 11:45:11 | 0.053                     |
| 13896      | 09/25/2008 | 11:45:12 | 0.049                     |
| 13897      | 09/25/2008 | 11:45:13 | 0.055                     |
| 13898      | 09/25/2008 | 11:45:14 | 0.075                     |
| 13899      | 09/25/2008 | 11:45:15 | 0.064                     |
| 13900      | 09/25/2008 | 11:45:16 | 0.058                     |
| 13901      | 09/25/2008 | 11:45:17 | 0.055                     |
| 13902      | 09/25/2008 | 11:45:18 | 0.063                     |
| 13903      | 09/25/2008 | 11:45:19 | 0.068                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 13904      | 09/25/2008 | 11:45:20 | 0.052                     |
| 13905      | 09/25/2008 | 11:45:21 | 0.051                     |
| 13906      | 09/25/2008 | 11:45:22 | 0.058                     |
| 13907      | 09/25/2008 | 11:45:23 | 0.076                     |
| 13908      | 09/25/2008 | 11:45:24 | 0.064                     |
| 13909      | 09/25/2008 | 11:45:25 | 0.066                     |
| 13910      | 09/25/2008 | 11:45:26 | 0.055                     |
| 13911      | 09/25/2008 | 11:45:27 | 0.058                     |
| 13912      | 09/25/2008 | 11:45:28 | 0.076                     |
| 13913      | 09/25/2008 | 11:45:29 | 0.076                     |
| 13914      | 09/25/2008 | 11:45:30 | 0.169                     |
| 13915      | 09/25/2008 | 11:45:31 | 0.105                     |
| 13916      | 09/25/2008 | 11:45:32 | 0.074                     |
| 13917      | 09/25/2008 | 11:45:33 | 0.067                     |
| 13918      | 09/25/2008 | 11:45:34 | 0.055                     |
| 13919      | 09/25/2008 | 11:45:35 | 0.174                     |
| 13920      | 09/25/2008 | 11:45:36 | 0.050                     |
| 13921      | 09/25/2008 | 11:45:37 | 0.055                     |
| 13922      | 09/25/2008 | 11:45:38 | 0.052                     |
| 13923      | 09/25/2008 | 11:45:39 | 0.049                     |
| 13924      | 09/25/2008 | 11:45:40 | 0.052                     |
| 13925      | 09/25/2008 | 11:45:41 | 0.054                     |
| 13926      | 09/25/2008 | 11:45:42 | 0.052                     |
| 13927      | 09/25/2008 | 11:45:43 | 0.053                     |
| 13928      | 09/25/2008 | 11:45:44 | 0.056                     |
| 13929      | 09/25/2008 | 11:45:45 | 0.063                     |
| 13930      | 09/25/2008 | 11:45:46 | 0.065                     |
| 13931      | 09/25/2008 | 11:45:47 | 0.072                     |
| 13932      | 09/25/2008 | 11:45:48 | 0.056                     |
| 13933      | 09/25/2008 | 11:45:49 | 0.049                     |
| 13934      | 09/25/2008 | 11:45:50 | 0.053                     |
| 13935      | 09/25/2008 | 11:45:51 | 0.052                     |
| 13936      | 09/25/2008 | 11:45:52 | 0.052                     |
| 13937      | 09/25/2008 | 11:45:53 | 0.056                     |
| 13938      | 09/25/2008 | 11:45:54 | 0.055                     |
| 13939      | 09/25/2008 | 11:45:55 | 0.061                     |
| 13940      | 09/25/2008 | 11:45:56 | 0.051                     |
| 13941      | 09/25/2008 | 11:45:57 | 0.054                     |
| 13942      | 09/25/2008 | 11:45:58 | 0.064                     |
| 13943      | 09/25/2008 | 11:45:59 | 0.049                     |
| 13944      | 09/25/2008 | 11:46:00 | 0.053                     |
| 13945      | 09/25/2008 | 11:46:01 | 0.053                     |
| 13946      | 09/25/2008 | 11:46:02 | 0.048                     |
| 13947      | 09/25/2008 | 11:46:03 | 0.054                     |
| 13948      | 09/25/2008 | 11:46:04 | 0.056                     |
| 13949      | 09/25/2008 | 11:46:05 | 0.053                     |
| 13950      | 09/25/2008 | 11:46:06 | 0.049                     |
| 13951      | 09/25/2008 | 11:46:07 | 0.050                     |
| 13952      | 09/25/2008 | 11:46:08 | 0.053                     |
| 13953      | 09/25/2008 | 11:46:09 | 0.052                     |
| 13954      | 09/25/2008 | 11:46:10 | 0.050                     |
| 13955      | 09/25/2008 | 11:46:11 | 0.051                     |
| 13956      | 09/25/2008 | 11:46:12 | 0.050                     |
| 13957      | 09/25/2008 | 11:46:13 | 0.049                     |
| 13958      | 09/25/2008 | 11:46:14 | 0.050                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 13959      | 09/25/2008 | 11:46:15 | 0.050                     |
| 13960      | 09/25/2008 | 11:46:16 | 0.055                     |
| 13961      | 09/25/2008 | 11:46:17 | 0.049                     |
| 13962      | 09/25/2008 | 11:46:18 | 0.056                     |
| 13963      | 09/25/2008 | 11:46:19 | 0.052                     |
| 13964      | 09/25/2008 | 11:46:20 | 0.069                     |
| 13965      | 09/25/2008 | 11:46:21 | 0.058                     |
| 13966      | 09/25/2008 | 11:46:22 | 0.062                     |
| 13967      | 09/25/2008 | 11:46:23 | 0.089                     |
| 13968      | 09/25/2008 | 11:46:24 | 0.069                     |
| 13969      | 09/25/2008 | 11:46:25 | 0.049                     |
| 13970      | 09/25/2008 | 11:46:26 | 0.056                     |
| 13971      | 09/25/2008 | 11:46:27 | 0.049                     |
| 13972      | 09/25/2008 | 11:46:28 | 0.064                     |
| 13973      | 09/25/2008 | 11:46:29 | 0.054                     |
| 13974      | 09/25/2008 | 11:46:30 | 0.065                     |
| 13975      | 09/25/2008 | 11:46:31 | 0.047                     |
| 13976      | 09/25/2008 | 11:46:32 | 0.051                     |
| 13977      | 09/25/2008 | 11:46:33 | 0.055                     |
| 13978      | 09/25/2008 | 11:46:34 | 0.050                     |
| 13979      | 09/25/2008 | 11:46:35 | 0.059                     |
| 13980      | 09/25/2008 | 11:46:36 | 0.056                     |
| 13981      | 09/25/2008 | 11:46:37 | 0.065                     |
| 13982      | 09/25/2008 | 11:46:38 | 0.129                     |
| 13983      | 09/25/2008 | 11:46:39 | 0.112                     |
| 13984      | 09/25/2008 | 11:46:40 | 0.064                     |
| 13985      | 09/25/2008 | 11:46:41 | 0.079                     |
| 13986      | 09/25/2008 | 11:46:42 | 0.107                     |
| 13987      | 09/25/2008 | 11:46:43 | 0.076                     |
| 13988      | 09/25/2008 | 11:46:44 | 0.055                     |
| 13989      | 09/25/2008 | 11:46:45 | 0.063                     |
| 13990      | 09/25/2008 | 11:46:46 | 0.084                     |
| 13991      | 09/25/2008 | 11:46:47 | 0.063                     |
| 13992      | 09/25/2008 | 11:46:48 | 0.057                     |
| 13993      | 09/25/2008 | 11:46:49 | 0.059                     |
| 13994      | 09/25/2008 | 11:46:50 | 0.056                     |
| 13995      | 09/25/2008 | 11:46:51 | 0.066                     |
| 13996      | 09/25/2008 | 11:46:52 | 0.060                     |
| 13997      | 09/25/2008 | 11:46:53 | 0.055                     |
| 13998      | 09/25/2008 | 11:46:54 | 0.075                     |
| 13999      | 09/25/2008 | 11:46:55 | 0.059                     |
| 14000      | 09/25/2008 | 11:46:56 | 0.051                     |
| 14001      | 09/25/2008 | 11:46:57 | 0.054                     |
| 14002      | 09/25/2008 | 11:46:58 | 0.050                     |
| 14003      | 09/25/2008 | 11:46:59 | 0.064                     |
| 14004      | 09/25/2008 | 11:47:00 | 0.053                     |
| 14005      | 09/25/2008 | 11:47:01 | 0.053                     |
| 14006      | 09/25/2008 | 11:47:02 | 0.052                     |
| 14007      | 09/25/2008 | 11:47:03 | 0.050                     |
| 14008      | 09/25/2008 | 11:47:04 | 0.090                     |
| 14009      | 09/25/2008 | 11:47:05 | 0.054                     |
| 14010      | 09/25/2008 | 11:47:06 | 0.054                     |
| 14011      | 09/25/2008 | 11:47:07 | 0.051                     |
| 14012      | 09/25/2008 | 11:47:08 | 0.056                     |
| 14013      | 09/25/2008 | 11:47:09 | 0.054                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 14014      | 09/25/2008 | 11:47:10 | 0.054                     |
| 14015      | 09/25/2008 | 11:47:11 | 0.051                     |
| 14016      | 09/25/2008 | 11:47:12 | 0.066                     |
| 14017      | 09/25/2008 | 11:47:13 | 0.054                     |
| 14018      | 09/25/2008 | 11:47:14 | 0.054                     |
| 14019      | 09/25/2008 | 11:47:15 | 0.050                     |
| 14020      | 09/25/2008 | 11:47:16 | 0.053                     |
| 14021      | 09/25/2008 | 11:47:17 | 0.050                     |
| 14022      | 09/25/2008 | 11:47:18 | 0.052                     |
| 14023      | 09/25/2008 | 11:47:19 | 0.048                     |
| 14024      | 09/25/2008 | 11:47:20 | 0.058                     |
| 14025      | 09/25/2008 | 11:47:21 | 0.051                     |
| 14026      | 09/25/2008 | 11:47:22 | 0.051                     |
| 14027      | 09/25/2008 | 11:47:23 | 0.048                     |
| 14028      | 09/25/2008 | 11:47:24 | 0.056                     |
| 14029      | 09/25/2008 | 11:47:25 | 0.050                     |
| 14030      | 09/25/2008 | 11:47:26 | 0.051                     |
| 14031      | 09/25/2008 | 11:47:27 | 0.056                     |
| 14032      | 09/25/2008 | 11:47:28 | 0.061                     |
| 14033      | 09/25/2008 | 11:47:29 | 0.048                     |
| 14034      | 09/25/2008 | 11:47:30 | 0.067                     |
| 14035      | 09/25/2008 | 11:47:31 | 0.061                     |
| 14036      | 09/25/2008 | 11:47:32 | 0.061                     |
| 14037      | 09/25/2008 | 11:47:33 | 0.051                     |
| 14038      | 09/25/2008 | 11:47:34 | 0.075                     |
| 14039      | 09/25/2008 | 11:47:35 | 0.058                     |
| 14040      | 09/25/2008 | 11:47:36 | 0.060                     |
| 14041      | 09/25/2008 | 11:47:37 | 0.050                     |
| 14042      | 09/25/2008 | 11:47:38 | 0.049                     |
| 14043      | 09/25/2008 | 11:47:39 | 0.050                     |
| 14044      | 09/25/2008 | 11:47:40 | 0.056                     |
| 14045      | 09/25/2008 | 11:47:41 | 0.109                     |
| 14046      | 09/25/2008 | 11:47:42 | 0.170                     |
| 14047      | 09/25/2008 | 11:47:43 | 0.118                     |
| 14048      | 09/25/2008 | 11:47:44 | 0.103                     |
| 14049      | 09/25/2008 | 11:47:45 | 0.116                     |
| 14050      | 09/25/2008 | 11:47:46 | 0.084                     |
| 14051      | 09/25/2008 | 11:47:47 | 0.061                     |
| 14052      | 09/25/2008 | 11:47:48 | 0.063                     |
| 14053      | 09/25/2008 | 11:47:49 | 0.057                     |
| 14054      | 09/25/2008 | 11:47:50 | 0.060                     |
| 14055      | 09/25/2008 | 11:47:51 | 0.063                     |
| 14056      | 09/25/2008 | 11:47:52 | 0.056                     |
| 14057      | 09/25/2008 | 11:47:53 | 0.054                     |
| 14058      | 09/25/2008 | 11:47:54 | 0.058                     |
| 14059      | 09/25/2008 | 11:47:55 | 0.056                     |
| 14060      | 09/25/2008 | 11:47:56 | 0.105                     |
| 14061      | 09/25/2008 | 11:47:57 | 0.148                     |
| 14062      | 09/25/2008 | 11:47:58 | 0.096                     |
| 14063      | 09/25/2008 | 11:47:59 | 0.070                     |
| 14064      | 09/25/2008 | 11:48:00 | 0.062                     |
| 14065      | 09/25/2008 | 11:48:01 | 0.062                     |
| 14066      | 09/25/2008 | 11:48:02 | 0.059                     |
| 14067      | 09/25/2008 | 11:48:03 | 0.053                     |
| 14068      | 09/25/2008 | 11:48:04 | 0.052                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 14069      | 09/25/2008 | 11:48:05 | 0.063                     |
| 14070      | 09/25/2008 | 11:48:06 | 0.058                     |
| 14071      | 09/25/2008 | 11:48:07 | 0.049                     |
| 14072      | 09/25/2008 | 11:48:08 | 0.056                     |
| 14073      | 09/25/2008 | 11:48:09 | 0.052                     |
| 14074      | 09/25/2008 | 11:48:10 | 0.057                     |
| 14075      | 09/25/2008 | 11:48:11 | 0.053                     |
| 14076      | 09/25/2008 | 11:48:12 | 0.052                     |
| 14077      | 09/25/2008 | 11:48:13 | 0.154                     |
| 14078      | 09/25/2008 | 11:48:14 | 0.137                     |
| 14079      | 09/25/2008 | 11:48:15 | 0.174                     |
| 14080      | 09/25/2008 | 11:48:16 | 0.124                     |
| 14081      | 09/25/2008 | 11:48:17 | 0.107                     |
| 14082      | 09/25/2008 | 11:48:18 | 0.096                     |
| 14083      | 09/25/2008 | 11:48:19 | 0.073                     |
| 14084      | 09/25/2008 | 11:48:20 | 0.109                     |
| 14085      | 09/25/2008 | 11:48:21 | 0.159                     |
| 14086      | 09/25/2008 | 11:48:22 | 0.075                     |
| 14087      | 09/25/2008 | 11:48:23 | 0.073                     |
| 14088      | 09/25/2008 | 11:48:24 | 0.078                     |
| 14089      | 09/25/2008 | 11:48:25 | 0.080                     |
| 14090      | 09/25/2008 | 11:48:26 | 0.065                     |
| 14091      | 09/25/2008 | 11:48:27 | 0.067                     |
| 14092      | 09/25/2008 | 11:48:28 | 0.130                     |
| 14093      | 09/25/2008 | 11:48:29 | 0.114                     |
| 14094      | 09/25/2008 | 11:48:30 | 0.119                     |
| 14095      | 09/25/2008 | 11:48:31 | 0.093                     |
| 14096      | 09/25/2008 | 11:48:32 | 0.249                     |
| 14097      | 09/25/2008 | 11:48:33 | 0.066                     |
| 14098      | 09/25/2008 | 11:48:34 | 0.058                     |
| 14099      | 09/25/2008 | 11:48:35 | 0.061                     |
| 14100      | 09/25/2008 | 11:48:36 | 0.062                     |
| 14101      | 09/25/2008 | 11:48:37 | 0.059                     |
| 14102      | 09/25/2008 | 11:48:38 | 0.070                     |
| 14103      | 09/25/2008 | 11:48:39 | 0.065                     |
| 14104      | 09/25/2008 | 11:48:40 | 0.059                     |
| 14105      | 09/25/2008 | 11:48:41 | 0.057                     |
| 14106      | 09/25/2008 | 11:48:42 | 0.050                     |
| 14107      | 09/25/2008 | 11:48:43 | 0.057                     |
| 14108      | 09/25/2008 | 11:48:44 | 0.056                     |
| 14109      | 09/25/2008 | 11:48:45 | 0.053                     |
| 14110      | 09/25/2008 | 11:48:46 | 0.054                     |
| 14111      | 09/25/2008 | 11:48:47 | 0.051                     |
| 14112      | 09/25/2008 | 11:48:48 | 0.053                     |
| 14113      | 09/25/2008 | 11:48:49 | 0.051                     |
| 14114      | 09/25/2008 | 11:48:50 | 0.059                     |
| 14115      | 09/25/2008 | 11:48:51 | 0.052                     |
| 14116      | 09/25/2008 | 11:48:52 | 0.060                     |
| 14117      | 09/25/2008 | 11:48:53 | 0.054                     |
| 14118      | 09/25/2008 | 11:48:54 | 0.057                     |
| 14119      | 09/25/2008 | 11:48:55 | 0.051                     |
| 14120      | 09/25/2008 | 11:48:56 | 0.050                     |
| 14121      | 09/25/2008 | 11:48:57 | 0.057                     |
| 14122      | 09/25/2008 | 11:48:58 | 0.052                     |
| 14123      | 09/25/2008 | 11:48:59 | 0.049                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 14124      | 09/25/2008 | 11:49:00 | 0.061                     |
| 14125      | 09/25/2008 | 11:49:01 | 0.050                     |
| 14126      | 09/25/2008 | 11:49:02 | 0.051                     |
| 14127      | 09/25/2008 | 11:49:03 | 0.053                     |
| 14128      | 09/25/2008 | 11:49:04 | 0.047                     |
| 14129      | 09/25/2008 | 11:49:05 | 0.047                     |
| 14130      | 09/25/2008 | 11:49:06 | 0.051                     |
| 14131      | 09/25/2008 | 11:49:07 | 0.061                     |
| 14132      | 09/25/2008 | 11:49:08 | 0.053                     |
| 14133      | 09/25/2008 | 11:49:09 | 0.049                     |
| 14134      | 09/25/2008 | 11:49:10 | 0.047                     |
| 14135      | 09/25/2008 | 11:49:11 | 0.052                     |
| 14136      | 09/25/2008 | 11:49:12 | 0.056                     |
| 14137      | 09/25/2008 | 11:49:13 | 0.053                     |
| 14138      | 09/25/2008 | 11:49:14 | 0.058                     |
| 14139      | 09/25/2008 | 11:49:15 | 0.054                     |
| 14140      | 09/25/2008 | 11:49:16 | 0.055                     |
| 14141      | 09/25/2008 | 11:49:17 | 0.058                     |
| 14142      | 09/25/2008 | 11:49:18 | 0.056                     |
| 14143      | 09/25/2008 | 11:49:19 | 0.062                     |
| 14144      | 09/25/2008 | 11:49:20 | 0.052                     |
| 14145      | 09/25/2008 | 11:49:21 | 0.050                     |
| 14146      | 09/25/2008 | 11:49:22 | 0.054                     |
| 14147      | 09/25/2008 | 11:49:23 | 0.053                     |
| 14148      | 09/25/2008 | 11:49:24 | 0.050                     |
| 14149      | 09/25/2008 | 11:49:25 | 0.054                     |
| 14150      | 09/25/2008 | 11:49:26 | 0.067                     |
| 14151      | 09/25/2008 | 11:49:27 | 0.052                     |
| 14152      | 09/25/2008 | 11:49:28 | 0.056                     |
| 14153      | 09/25/2008 | 11:49:29 | 0.054                     |
| 14154      | 09/25/2008 | 11:49:30 | 0.055                     |
| 14155      | 09/25/2008 | 11:49:31 | 0.049                     |
| 14156      | 09/25/2008 | 11:49:32 | 0.050                     |
| 14157      | 09/25/2008 | 11:49:33 | 0.054                     |
| 14158      | 09/25/2008 | 11:49:34 | 0.049                     |
| 14159      | 09/25/2008 | 11:49:35 | 0.053                     |
| 14160      | 09/25/2008 | 11:49:36 | 0.048                     |
| 14161      | 09/25/2008 | 11:49:37 | 0.051                     |
| 14162      | 09/25/2008 | 11:49:38 | 0.051                     |
| 14163      | 09/25/2008 | 11:49:39 | 0.054                     |
| 14164      | 09/25/2008 | 11:49:40 | 0.058                     |
| 14165      | 09/25/2008 | 11:49:41 | 0.049                     |
| 14166      | 09/25/2008 | 11:49:42 | 0.064                     |
| 14167      | 09/25/2008 | 11:49:43 | 0.049                     |
| 14168      | 09/25/2008 | 11:49:44 | 0.051                     |
| 14169      | 09/25/2008 | 11:49:45 | 0.074                     |
| 14170      | 09/25/2008 | 11:49:46 | 0.052                     |
| 14171      | 09/25/2008 | 11:49:47 | 0.054                     |
| 14172      | 09/25/2008 | 11:49:48 | 0.064                     |
| 14173      | 09/25/2008 | 11:49:49 | 0.249                     |
| 14174      | 09/25/2008 | 11:49:50 | 0.053                     |
| 14175      | 09/25/2008 | 11:49:51 | 0.047                     |
| 14176      | 09/25/2008 | 11:49:52 | 0.052                     |
| 14177      | 09/25/2008 | 11:49:53 | 0.059                     |
| 14178      | 09/25/2008 | 11:49:54 | 0.064                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 14179      | 09/25/2008 | 11:49:55 | 0.055                     |
| 14180      | 09/25/2008 | 11:49:56 | 0.052                     |
| 14181      | 09/25/2008 | 11:49:57 | 0.052                     |
| 14182      | 09/25/2008 | 11:49:58 | 0.052                     |
| 14183      | 09/25/2008 | 11:49:59 | 0.053                     |
| 14184      | 09/25/2008 | 11:50:00 | 0.060                     |
| 14185      | 09/25/2008 | 11:50:01 | 0.049                     |
| 14186      | 09/25/2008 | 11:50:02 | 0.055                     |
| 14187      | 09/25/2008 | 11:50:03 | 0.056                     |
| 14188      | 09/25/2008 | 11:50:04 | 0.050                     |
| 14189      | 09/25/2008 | 11:50:05 | 0.048                     |
| 14190      | 09/25/2008 | 11:50:06 | 0.051                     |
| 14191      | 09/25/2008 | 11:50:07 | 0.052                     |
| 14192      | 09/25/2008 | 11:50:08 | 0.056                     |
| 14193      | 09/25/2008 | 11:50:09 | 0.051                     |
| 14194      | 09/25/2008 | 11:50:10 | 0.055                     |
| 14195      | 09/25/2008 | 11:50:11 | 0.053                     |
| 14196      | 09/25/2008 | 11:50:12 | 0.071                     |
| 14197      | 09/25/2008 | 11:50:13 | 0.060                     |
| 14198      | 09/25/2008 | 11:50:14 | 0.070                     |
| 14199      | 09/25/2008 | 11:50:15 | 0.068                     |
| 14200      | 09/25/2008 | 11:50:16 | 0.137                     |
| 14201      | 09/25/2008 | 11:50:17 | 0.135                     |
| 14202      | 09/25/2008 | 11:50:18 | 0.079                     |
| 14203      | 09/25/2008 | 11:50:19 | 0.068                     |
| 14204      | 09/25/2008 | 11:50:20 | 0.057                     |
| 14205      | 09/25/2008 | 11:50:21 | 0.054                     |
| 14206      | 09/25/2008 | 11:50:22 | 0.056                     |
| 14207      | 09/25/2008 | 11:50:23 | 0.054                     |
| 14208      | 09/25/2008 | 11:50:24 | 0.056                     |
| 14209      | 09/25/2008 | 11:50:25 | 0.053                     |
| 14210      | 09/25/2008 | 11:50:26 | 0.055                     |
| 14211      | 09/25/2008 | 11:50:27 | 0.052                     |
| 14212      | 09/25/2008 | 11:50:28 | 0.062                     |
| 14213      | 09/25/2008 | 11:50:29 | 0.055                     |
| 14214      | 09/25/2008 | 11:50:30 | 0.075                     |
| 14215      | 09/25/2008 | 11:50:31 | 0.065                     |
| 14216      | 09/25/2008 | 11:50:32 | 0.053                     |
| 14217      | 09/25/2008 | 11:50:33 | 0.051                     |
| 14218      | 09/25/2008 | 11:50:34 | 0.062                     |
| 14219      | 09/25/2008 | 11:50:35 | 0.057                     |
| 14220      | 09/25/2008 | 11:50:36 | 0.073                     |
| 14221      | 09/25/2008 | 11:50:37 | 0.075                     |
| 14222      | 09/25/2008 | 11:50:38 | 0.067                     |
| 14223      | 09/25/2008 | 11:50:39 | 0.059                     |
| 14224      | 09/25/2008 | 11:50:40 | 0.051                     |
| 14225      | 09/25/2008 | 11:50:41 | 0.057                     |
| 14226      | 09/25/2008 | 11:50:42 | 0.048                     |
| 14227      | 09/25/2008 | 11:50:43 | 0.069                     |
| 14228      | 09/25/2008 | 11:50:44 | 0.053                     |
| 14229      | 09/25/2008 | 11:50:45 | 0.054                     |
| 14230      | 09/25/2008 | 11:50:46 | 0.056                     |
| 14231      | 09/25/2008 | 11:50:47 | 0.053                     |
| 14232      | 09/25/2008 | 11:50:48 | 0.057                     |
| 14233      | 09/25/2008 | 11:50:49 | 0.072                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 14234      | 09/25/2008 | 11:50:50 | 0.068                     |
| 14235      | 09/25/2008 | 11:50:51 | 0.056                     |
| 14236      | 09/25/2008 | 11:50:52 | 0.065                     |
| 14237      | 09/25/2008 | 11:50:53 | 0.065                     |
| 14238      | 09/25/2008 | 11:50:54 | 0.058                     |
| 14239      | 09/25/2008 | 11:50:55 | 0.061                     |
| 14240      | 09/25/2008 | 11:50:56 | 0.088                     |
| 14241      | 09/25/2008 | 11:50:57 | 0.072                     |
| 14242      | 09/25/2008 | 11:50:58 | 0.071                     |
| 14243      | 09/25/2008 | 11:50:59 | 0.063                     |
| 14244      | 09/25/2008 | 11:51:00 | 0.075                     |
| 14245      | 09/25/2008 | 11:51:01 | 0.062                     |
| 14246      | 09/25/2008 | 11:51:02 | 0.085                     |
| 14247      | 09/25/2008 | 11:51:03 | 0.206                     |
| 14248      | 09/25/2008 | 11:51:04 | 0.103                     |
| 14249      | 09/25/2008 | 11:51:05 | 0.141                     |
| 14250      | 09/25/2008 | 11:51:06 | 0.193                     |
| 14251      | 09/25/2008 | 11:51:07 | 0.165                     |
| 14252      | 09/25/2008 | 11:51:08 | 0.187                     |
| 14253      | 09/25/2008 | 11:51:09 | 0.118                     |
| 14254      | 09/25/2008 | 11:51:10 | 0.141                     |
| 14255      | 09/25/2008 | 11:51:11 | 0.110                     |
| 14256      | 09/25/2008 | 11:51:12 | 0.068                     |
| 14257      | 09/25/2008 | 11:51:13 | 0.063                     |
| 14258      | 09/25/2008 | 11:51:14 | 0.094                     |
| 14259      | 09/25/2008 | 11:51:15 | 0.057                     |
| 14260      | 09/25/2008 | 11:51:16 | 0.053                     |
| 14261      | 09/25/2008 | 11:51:17 | 0.057                     |
| 14262      | 09/25/2008 | 11:51:18 | 0.056                     |
| 14263      | 09/25/2008 | 11:51:19 | 0.054                     |
| 14264      | 09/25/2008 | 11:51:20 | 0.058                     |
| 14265      | 09/25/2008 | 11:51:21 | 0.064                     |
| 14266      | 09/25/2008 | 11:51:22 | 0.071                     |
| 14267      | 09/25/2008 | 11:51:23 | 0.142                     |
| 14268      | 09/25/2008 | 11:51:24 | 0.059                     |
| 14269      | 09/25/2008 | 11:51:25 | 0.057                     |
| 14270      | 09/25/2008 | 11:51:26 | 0.123                     |
| 14271      | 09/25/2008 | 11:51:27 | 0.078                     |
| 14272      | 09/25/2008 | 11:51:28 | 0.080                     |
| 14273      | 09/25/2008 | 11:51:29 | 0.082                     |
| 14274      | 09/25/2008 | 11:51:30 | 0.097                     |
| 14275      | 09/25/2008 | 11:51:31 | 0.071                     |
| 14276      | 09/25/2008 | 11:51:32 | 0.068                     |
| 14277      | 09/25/2008 | 11:51:33 | 0.053                     |
| 14278      | 09/25/2008 | 11:51:34 | 0.075                     |
| 14279      | 09/25/2008 | 11:51:35 | 0.096                     |
| 14280      | 09/25/2008 | 11:51:36 | 0.060                     |
| 14281      | 09/25/2008 | 11:51:37 | 0.072                     |
| 14282      | 09/25/2008 | 11:51:38 | 0.065                     |
| 14283      | 09/25/2008 | 11:51:39 | 0.065                     |
| 14284      | 09/25/2008 | 11:51:40 | 0.056                     |
| 14285      | 09/25/2008 | 11:51:41 | 0.067                     |
| 14286      | 09/25/2008 | 11:51:42 | 0.076                     |
| 14287      | 09/25/2008 | 11:51:43 | 0.060                     |
| 14288      | 09/25/2008 | 11:51:44 | 0.096                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 14289      | 09/25/2008 | 11:51:45 | 0.055                     |
| 14290      | 09/25/2008 | 11:51:46 | 0.060                     |
| 14291      | 09/25/2008 | 11:51:47 | 0.058                     |
| 14292      | 09/25/2008 | 11:51:48 | 0.078                     |
| 14293      | 09/25/2008 | 11:51:49 | 0.056                     |
| 14294      | 09/25/2008 | 11:51:50 | 0.056                     |
| 14295      | 09/25/2008 | 11:51:51 | 0.077                     |
| 14296      | 09/25/2008 | 11:51:52 | 0.065                     |
| 14297      | 09/25/2008 | 11:51:53 | 0.066                     |
| 14298      | 09/25/2008 | 11:51:54 | 0.052                     |
| 14299      | 09/25/2008 | 11:51:55 | 0.056                     |
| 14300      | 09/25/2008 | 11:51:56 | 0.070                     |
| 14301      | 09/25/2008 | 11:51:57 | 0.063                     |
| 14302      | 09/25/2008 | 11:51:58 | 0.051                     |
| 14303      | 09/25/2008 | 11:51:59 | 0.052                     |
| 14304      | 09/25/2008 | 11:52:00 | 0.054                     |
| 14305      | 09/25/2008 | 11:52:01 | 0.056                     |
| 14306      | 09/25/2008 | 11:52:02 | 0.056                     |
| 14307      | 09/25/2008 | 11:52:03 | 0.068                     |
| 14308      | 09/25/2008 | 11:52:04 | 0.061                     |
| 14309      | 09/25/2008 | 11:52:05 | 0.055                     |
| 14310      | 09/25/2008 | 11:52:06 | 0.051                     |
| 14311      | 09/25/2008 | 11:52:07 | 0.056                     |
| 14312      | 09/25/2008 | 11:52:08 | 0.049                     |
| 14313      | 09/25/2008 | 11:52:09 | 0.052                     |
| 14314      | 09/25/2008 | 11:52:10 | 0.072                     |
| 14315      | 09/25/2008 | 11:52:11 | 0.053                     |
| 14316      | 09/25/2008 | 11:52:12 | 0.063                     |
| 14317      | 09/25/2008 | 11:52:13 | 0.048                     |
| 14318      | 09/25/2008 | 11:52:14 | 0.054                     |
| 14319      | 09/25/2008 | 11:52:15 | 0.052                     |
| 14320      | 09/25/2008 | 11:52:16 | 0.067                     |
| 14321      | 09/25/2008 | 11:52:17 | 0.060                     |
| 14322      | 09/25/2008 | 11:52:18 | 0.058                     |
| 14323      | 09/25/2008 | 11:52:19 | 0.054                     |
| 14324      | 09/25/2008 | 11:52:20 | 0.077                     |
| 14325      | 09/25/2008 | 11:52:21 | 0.056                     |
| 14326      | 09/25/2008 | 11:52:22 | 0.053                     |
| 14327      | 09/25/2008 | 11:52:23 | 0.056                     |
| 14328      | 09/25/2008 | 11:52:24 | 0.059                     |
| 14329      | 09/25/2008 | 11:52:25 | 0.084                     |
| 14330      | 09/25/2008 | 11:52:26 | 0.053                     |
| 14331      | 09/25/2008 | 11:52:27 | 0.060                     |
| 14332      | 09/25/2008 | 11:52:28 | 0.067                     |
| 14333      | 09/25/2008 | 11:52:29 | 0.066                     |
| 14334      | 09/25/2008 | 11:52:30 | 0.053                     |
| 14335      | 09/25/2008 | 11:52:31 | 0.062                     |
| 14336      | 09/25/2008 | 11:52:32 | 0.055                     |
| 14337      | 09/25/2008 | 11:52:33 | 0.056                     |
| 14338      | 09/25/2008 | 11:52:34 | 0.070                     |
| 14339      | 09/25/2008 | 11:52:35 | 0.050                     |
| 14340      | 09/25/2008 | 11:52:36 | 0.057                     |
| 14341      | 09/25/2008 | 11:52:37 | 0.052                     |
| 14342      | 09/25/2008 | 11:52:38 | 0.055                     |
| 14343      | 09/25/2008 | 11:52:39 | 0.055                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 14344      | 09/25/2008 | 11:52:40 | 0.057                     |
| 14345      | 09/25/2008 | 11:52:41 | 0.060                     |
| 14346      | 09/25/2008 | 11:52:42 | 0.060                     |
| 14347      | 09/25/2008 | 11:52:43 | 0.065                     |
| 14348      | 09/25/2008 | 11:52:44 | 0.058                     |
| 14349      | 09/25/2008 | 11:52:45 | 0.066                     |
| 14350      | 09/25/2008 | 11:52:46 | 0.135                     |
| 14351      | 09/25/2008 | 11:52:47 | 0.104                     |
| 14352      | 09/25/2008 | 11:52:48 | 0.078                     |
| 14353      | 09/25/2008 | 11:52:49 | 0.101                     |
| 14354      | 09/25/2008 | 11:52:50 | 0.072                     |
| 14355      | 09/25/2008 | 11:52:51 | 0.075                     |
| 14356      | 09/25/2008 | 11:52:52 | 0.074                     |
| 14357      | 09/25/2008 | 11:52:53 | 0.076                     |
| 14358      | 09/25/2008 | 11:52:54 | 0.093                     |
| 14359      | 09/25/2008 | 11:52:55 | 0.139                     |
| 14360      | 09/25/2008 | 11:52:56 | 0.093                     |
| 14361      | 09/25/2008 | 11:52:57 | 0.079                     |
| 14362      | 09/25/2008 | 11:52:58 | 0.079                     |
| 14363      | 09/25/2008 | 11:52:59 | 0.100                     |
| 14364      | 09/25/2008 | 11:53:00 | 0.070                     |
| 14365      | 09/25/2008 | 11:53:01 | 0.119                     |
| 14366      | 09/25/2008 | 11:53:02 | 0.081                     |
| 14367      | 09/25/2008 | 11:53:03 | 0.056                     |
| 14368      | 09/25/2008 | 11:53:04 | 0.060                     |
| 14369      | 09/25/2008 | 11:53:05 | 0.061                     |
| 14370      | 09/25/2008 | 11:53:06 | 0.061                     |
| 14371      | 09/25/2008 | 11:53:07 | 0.168                     |
| 14372      | 09/25/2008 | 11:53:08 | 0.116                     |
| 14373      | 09/25/2008 | 11:53:09 | 0.082                     |
| 14374      | 09/25/2008 | 11:53:10 | 0.062                     |
| 14375      | 09/25/2008 | 11:53:11 | 0.075                     |
| 14376      | 09/25/2008 | 11:53:12 | 0.068                     |
| 14377      | 09/25/2008 | 11:53:13 | 0.058                     |
| 14378      | 09/25/2008 | 11:53:14 | 0.086                     |
| 14379      | 09/25/2008 | 11:53:15 | 0.073                     |
| 14380      | 09/25/2008 | 11:53:16 | 0.062                     |
| 14381      | 09/25/2008 | 11:53:17 | 0.056                     |
| 14382      | 09/25/2008 | 11:53:18 | 0.062                     |
| 14383      | 09/25/2008 | 11:53:19 | 0.061                     |
| 14384      | 09/25/2008 | 11:53:20 | 0.055                     |
| 14385      | 09/25/2008 | 11:53:21 | 0.053                     |
| 14386      | 09/25/2008 | 11:53:22 | 0.065                     |
| 14387      | 09/25/2008 | 11:53:23 | 0.058                     |
| 14388      | 09/25/2008 | 11:53:24 | 0.081                     |
| 14389      | 09/25/2008 | 11:53:25 | 0.070                     |
| 14390      | 09/25/2008 | 11:53:26 | 0.074                     |
| 14391      | 09/25/2008 | 11:53:27 | 0.074                     |
| 14392      | 09/25/2008 | 11:53:28 | 0.054                     |
| 14393      | 09/25/2008 | 11:53:29 | 0.056                     |
| 14394      | 09/25/2008 | 11:53:30 | 0.093                     |
| 14395      | 09/25/2008 | 11:53:31 | 0.157                     |
| 14396      | 09/25/2008 | 11:53:32 | 0.102                     |
| 14397      | 09/25/2008 | 11:53:33 | 0.133                     |
| 14398      | 09/25/2008 | 11:53:34 | 0.149                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 14399      | 09/25/2008 | 11:53:35 | 0.127                     |
| 14400      | 09/25/2008 | 11:53:36 | 0.117                     |
| 14401      | 09/25/2008 | 11:53:37 | 0.089                     |
| 14402      | 09/25/2008 | 11:53:38 | 0.074                     |
| 14403      | 09/25/2008 | 11:53:39 | 0.066                     |
| 14404      | 09/25/2008 | 11:53:40 | 0.063                     |
| 14405      | 09/25/2008 | 11:53:41 | 0.057                     |
| 14406      | 09/25/2008 | 11:53:42 | 0.058                     |
| 14407      | 09/25/2008 | 11:53:43 | 0.064                     |
| 14408      | 09/25/2008 | 11:53:44 | 0.092                     |
| 14409      | 09/25/2008 | 11:53:45 | 0.056                     |
| 14410      | 09/25/2008 | 11:53:46 | 0.056                     |
| 14411      | 09/25/2008 | 11:53:47 | 0.059                     |
| 14412      | 09/25/2008 | 11:53:48 | 0.112                     |
| 14413      | 09/25/2008 | 11:53:49 | 0.090                     |
| 14414      | 09/25/2008 | 11:53:50 | 0.062                     |
| 14415      | 09/25/2008 | 11:53:51 | 0.067                     |
| 14416      | 09/25/2008 | 11:53:52 | 0.073                     |
| 14417      | 09/25/2008 | 11:53:53 | 0.369                     |
| 14418      | 09/25/2008 | 11:53:54 | 0.066                     |
| 14419      | 09/25/2008 | 11:53:55 | 0.073                     |
| 14420      | 09/25/2008 | 11:53:56 | 0.052                     |
| 14421      | 09/25/2008 | 11:53:57 | 0.087                     |
| 14422      | 09/25/2008 | 11:53:58 | 0.055                     |
| 14423      | 09/25/2008 | 11:53:59 | 0.056                     |
| 14424      | 09/25/2008 | 11:54:00 | 0.056                     |
| 14425      | 09/25/2008 | 11:54:01 | 0.081                     |
| 14426      | 09/25/2008 | 11:54:02 | 0.060                     |
| 14427      | 09/25/2008 | 11:54:03 | 0.172                     |
| 14428      | 09/25/2008 | 11:54:04 | 0.079                     |
| 14429      | 09/25/2008 | 11:54:05 | 0.154                     |
| 14430      | 09/25/2008 | 11:54:06 | 0.074                     |
| 14431      | 09/25/2008 | 11:54:07 | 0.064                     |
| 14432      | 09/25/2008 | 11:54:08 | 0.061                     |
| 14433      | 09/25/2008 | 11:54:09 | 0.069                     |
| 14434      | 09/25/2008 | 11:54:10 | 0.090                     |
| 14435      | 09/25/2008 | 11:54:11 | 0.066                     |
| 14436      | 09/25/2008 | 11:54:12 | 0.064                     |
| 14437      | 09/25/2008 | 11:54:13 | 0.073                     |
| 14438      | 09/25/2008 | 11:54:14 | 0.094                     |
| 14439      | 09/25/2008 | 11:54:15 | 0.073                     |
| 14440      | 09/25/2008 | 11:54:16 | 0.062                     |
| 14441      | 09/25/2008 | 11:54:17 | 0.093                     |
| 14442      | 09/25/2008 | 11:54:18 | 0.068                     |
| 14443      | 09/25/2008 | 11:54:19 | 0.055                     |
| 14444      | 09/25/2008 | 11:54:20 | 0.055                     |
| 14445      | 09/25/2008 | 11:54:21 | 0.080                     |
| 14446      | 09/25/2008 | 11:54:22 | 0.057                     |
| 14447      | 09/25/2008 | 11:54:23 | 0.055                     |
| 14448      | 09/25/2008 | 11:54:24 | 0.057                     |
| 14449      | 09/25/2008 | 11:54:25 | 0.064                     |
| 14450      | 09/25/2008 | 11:54:26 | 0.065                     |
| 14451      | 09/25/2008 | 11:54:27 | 0.053                     |
| 14452      | 09/25/2008 | 11:54:28 | 0.061                     |
| 14453      | 09/25/2008 | 11:54:29 | 0.053                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 14454      | 09/25/2008 | 11:54:30 | 0.065                     |
| 14455      | 09/25/2008 | 11:54:31 | 0.058                     |
| 14456      | 09/25/2008 | 11:54:32 | 0.052                     |
| 14457      | 09/25/2008 | 11:54:33 | 0.054                     |
| 14458      | 09/25/2008 | 11:54:34 | 0.054                     |
| 14459      | 09/25/2008 | 11:54:35 | 0.061                     |
| 14460      | 09/25/2008 | 11:54:36 | 0.049                     |
| 14461      | 09/25/2008 | 11:54:37 | 0.055                     |
| 14462      | 09/25/2008 | 11:54:38 | 0.055                     |
| 14463      | 09/25/2008 | 11:54:39 | 0.058                     |
| 14464      | 09/25/2008 | 11:54:40 | 0.052                     |
| 14465      | 09/25/2008 | 11:54:41 | 0.051                     |
| 14466      | 09/25/2008 | 11:54:42 | 0.064                     |
| 14467      | 09/25/2008 | 11:54:43 | 0.125                     |
| 14468      | 09/25/2008 | 11:54:44 | 0.060                     |
| 14469      | 09/25/2008 | 11:54:45 | 0.056                     |
| 14470      | 09/25/2008 | 11:54:46 | 0.053                     |
| 14471      | 09/25/2008 | 11:54:47 | 0.051                     |
| 14472      | 09/25/2008 | 11:54:48 | 0.053                     |
| 14473      | 09/25/2008 | 11:54:49 | 0.054                     |
| 14474      | 09/25/2008 | 11:54:50 | 0.106                     |
| 14475      | 09/25/2008 | 11:54:51 | 0.124                     |
| 14476      | 09/25/2008 | 11:54:52 | 0.093                     |
| 14477      | 09/25/2008 | 11:54:53 | 0.105                     |
| 14478      | 09/25/2008 | 11:54:54 | 0.102                     |
| 14479      | 09/25/2008 | 11:54:55 | 0.104                     |
| 14480      | 09/25/2008 | 11:54:56 | 0.094                     |
| 14481      | 09/25/2008 | 11:54:57 | 0.090                     |
| 14482      | 09/25/2008 | 11:54:58 | 0.082                     |
| 14483      | 09/25/2008 | 11:54:59 | 0.068                     |
| 14484      | 09/25/2008 | 11:55:00 | 0.069                     |
| 14485      | 09/25/2008 | 11:55:01 | 0.068                     |
| 14486      | 09/25/2008 | 11:55:02 | 0.062                     |
| 14487      | 09/25/2008 | 11:55:03 | 0.081                     |
| 14488      | 09/25/2008 | 11:55:04 | 0.066                     |
| 14489      | 09/25/2008 | 11:55:05 | 0.065                     |
| 14490      | 09/25/2008 | 11:55:06 | 0.061                     |
| 14491      | 09/25/2008 | 11:55:07 | 0.079                     |
| 14492      | 09/25/2008 | 11:55:08 | 0.070                     |
| 14493      | 09/25/2008 | 11:55:09 | 0.060                     |
| 14494      | 09/25/2008 | 11:55:10 | 0.059                     |
| 14495      | 09/25/2008 | 11:55:11 | 0.068                     |
| 14496      | 09/25/2008 | 11:55:12 | 0.080                     |
| 14497      | 09/25/2008 | 11:55:13 | 0.087                     |
| 14498      | 09/25/2008 | 11:55:14 | 0.072                     |
| 14499      | 09/25/2008 | 11:55:15 | 0.064                     |
| 14500      | 09/25/2008 | 11:55:16 | 0.068                     |
| 14501      | 09/25/2008 | 11:55:17 | 0.055                     |
| 14502      | 09/25/2008 | 11:55:18 | 0.058                     |
| 14503      | 09/25/2008 | 11:55:19 | 0.053                     |
| 14504      | 09/25/2008 | 11:55:20 | 0.062                     |
| 14505      | 09/25/2008 | 11:55:21 | 0.060                     |
| 14506      | 09/25/2008 | 11:55:22 | 0.060                     |
| 14507      | 09/25/2008 | 11:55:23 | 0.066                     |
| 14508      | 09/25/2008 | 11:55:24 | 0.061                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 14509      | 09/25/2008 | 11:55:25 | 0.048                     |
| 14510      | 09/25/2008 | 11:55:26 | 0.049                     |
| 14511      | 09/25/2008 | 11:55:27 | 0.056                     |
| 14512      | 09/25/2008 | 11:55:28 | 0.066                     |
| 14513      | 09/25/2008 | 11:55:29 | 0.056                     |
| 14514      | 09/25/2008 | 11:55:30 | 0.066                     |
| 14515      | 09/25/2008 | 11:55:31 | 0.082                     |
| 14516      | 09/25/2008 | 11:55:32 | 0.140                     |
| 14517      | 09/25/2008 | 11:55:33 | 0.166                     |
| 14518      | 09/25/2008 | 11:55:34 | 0.072                     |
| 14519      | 09/25/2008 | 11:55:35 | 0.115                     |
| 14520      | 09/25/2008 | 11:55:36 | 0.092                     |
| 14521      | 09/25/2008 | 11:55:37 | 0.094                     |
| 14522      | 09/25/2008 | 11:55:38 | 0.065                     |
| 14523      | 09/25/2008 | 11:55:39 | 0.080                     |
| 14524      | 09/25/2008 | 11:55:40 | 0.108                     |
| 14525      | 09/25/2008 | 11:55:41 | 0.057                     |
| 14526      | 09/25/2008 | 11:55:42 | 0.066                     |
| 14527      | 09/25/2008 | 11:55:43 | 0.075                     |
| 14528      | 09/25/2008 | 11:55:44 | 0.062                     |
| 14529      | 09/25/2008 | 11:55:45 | 0.068                     |
| 14530      | 09/25/2008 | 11:55:46 | 0.321                     |
| 14531      | 09/25/2008 | 11:55:47 | 0.121                     |
| 14532      | 09/25/2008 | 11:55:48 | 0.071                     |
| 14533      | 09/25/2008 | 11:55:49 | 0.067                     |
| 14534      | 09/25/2008 | 11:55:50 | 0.090                     |
| 14535      | 09/25/2008 | 11:55:51 | 0.092                     |
| 14536      | 09/25/2008 | 11:55:52 | 0.059                     |
| 14537      | 09/25/2008 | 11:55:53 | 0.060                     |
| 14538      | 09/25/2008 | 11:55:54 | 0.059                     |
| 14539      | 09/25/2008 | 11:55:55 | 0.074                     |
| 14540      | 09/25/2008 | 11:55:56 | 0.059                     |
| 14541      | 09/25/2008 | 11:55:57 | 0.073                     |
| 14542      | 09/25/2008 | 11:55:58 | 0.066                     |
| 14543      | 09/25/2008 | 11:55:59 | 0.062                     |
| 14544      | 09/25/2008 | 11:56:00 | 0.075                     |
| 14545      | 09/25/2008 | 11:56:01 | 0.060                     |
| 14546      | 09/25/2008 | 11:56:02 | 0.080                     |
| 14547      | 09/25/2008 | 11:56:03 | 0.071                     |
| 14548      | 09/25/2008 | 11:56:04 | 0.070                     |
| 14549      | 09/25/2008 | 11:56:05 | 0.094                     |
| 14550      | 09/25/2008 | 11:56:06 | 0.092                     |
| 14551      | 09/25/2008 | 11:56:07 | 0.078                     |
| 14552      | 09/25/2008 | 11:56:08 | 0.068                     |
| 14553      | 09/25/2008 | 11:56:09 | 0.076                     |
| 14554      | 09/25/2008 | 11:56:10 | 0.071                     |
| 14555      | 09/25/2008 | 11:56:11 | 0.064                     |
| 14556      | 09/25/2008 | 11:56:12 | 0.064                     |
| 14557      | 09/25/2008 | 11:56:13 | 0.062                     |
| 14558      | 09/25/2008 | 11:56:14 | 0.079                     |
| 14559      | 09/25/2008 | 11:56:15 | 0.071                     |
| 14560      | 09/25/2008 | 11:56:16 | 0.074                     |
| 14561      | 09/25/2008 | 11:56:17 | 0.070                     |
| 14562      | 09/25/2008 | 11:56:18 | 0.124                     |
| 14563      | 09/25/2008 | 11:56:19 | 0.081                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 14564      | 09/25/2008 | 11:56:20 | 0.081                     |
| 14565      | 09/25/2008 | 11:56:21 | 0.062                     |
| 14566      | 09/25/2008 | 11:56:22 | 0.064                     |
| 14567      | 09/25/2008 | 11:56:23 | 0.068                     |
| 14568      | 09/25/2008 | 11:56:24 | 0.067                     |
| 14569      | 09/25/2008 | 11:56:25 | 0.064                     |
| 14570      | 09/25/2008 | 11:56:26 | 0.075                     |
| 14571      | 09/25/2008 | 11:56:27 | 0.072                     |
| 14572      | 09/25/2008 | 11:56:28 | 0.068                     |
| 14573      | 09/25/2008 | 11:56:29 | 0.069                     |
| 14574      | 09/25/2008 | 11:56:30 | 0.063                     |
| 14575      | 09/25/2008 | 11:56:31 | 0.063                     |
| 14576      | 09/25/2008 | 11:56:32 | 0.059                     |
| 14577      | 09/25/2008 | 11:56:33 | 0.083                     |
| 14578      | 09/25/2008 | 11:56:34 | 0.071                     |
| 14579      | 09/25/2008 | 11:56:35 | 0.073                     |
| 14580      | 09/25/2008 | 11:56:36 | 0.094                     |
| 14581      | 09/25/2008 | 11:56:37 | 0.101                     |
| 14582      | 09/25/2008 | 11:56:38 | 0.089                     |
| 14583      | 09/25/2008 | 11:56:39 | 0.116                     |
| 14584      | 09/25/2008 | 11:56:40 | 0.093                     |
| 14585      | 09/25/2008 | 11:56:41 | 0.111                     |
| 14586      | 09/25/2008 | 11:56:42 | 0.091                     |
| 14587      | 09/25/2008 | 11:56:43 | 0.083                     |
| 14588      | 09/25/2008 | 11:56:44 | 0.061                     |
| 14589      | 09/25/2008 | 11:56:45 | 0.081                     |
| 14590      | 09/25/2008 | 11:56:46 | 0.098                     |
| 14591      | 09/25/2008 | 11:56:47 | 0.060                     |
| 14592      | 09/25/2008 | 11:56:48 | 0.059                     |
| 14593      | 09/25/2008 | 11:56:49 | 0.070                     |
| 14594      | 09/25/2008 | 11:56:50 | 0.063                     |
| 14595      | 09/25/2008 | 11:56:51 | 0.089                     |
| 14596      | 09/25/2008 | 11:56:52 | 0.146                     |
| 14597      | 09/25/2008 | 11:56:53 | 0.196                     |
| 14598      | 09/25/2008 | 11:56:54 | 0.089                     |
| 14599      | 09/25/2008 | 11:56:55 | 0.105                     |
| 14600      | 09/25/2008 | 11:56:56 | 0.068                     |
| 14601      | 09/25/2008 | 11:56:57 | 0.088                     |
| 14602      | 09/25/2008 | 11:56:58 | 0.079                     |
| 14603      | 09/25/2008 | 11:56:59 | 0.076                     |
| 14604      | 09/25/2008 | 11:57:00 | 0.064                     |
| 14605      | 09/25/2008 | 11:57:01 | 0.077                     |
| 14606      | 09/25/2008 | 11:57:02 | 0.104                     |
| 14607      | 09/25/2008 | 11:57:03 | 0.067                     |
| 14608      | 09/25/2008 | 11:57:04 | 0.082                     |
| 14609      | 09/25/2008 | 11:57:05 | 0.070                     |
| 14610      | 09/25/2008 | 11:57:06 | 0.086                     |
| 14611      | 09/25/2008 | 11:57:07 | 0.085                     |
| 14612      | 09/25/2008 | 11:57:08 | 0.113                     |
| 14613      | 09/25/2008 | 11:57:09 | 0.067                     |
| 14614      | 09/25/2008 | 11:57:10 | 0.060                     |
| 14615      | 09/25/2008 | 11:57:11 | 0.056                     |
| 14616      | 09/25/2008 | 11:57:12 | 0.088                     |
| 14617      | 09/25/2008 | 11:57:13 | 0.083                     |
| 14618      | 09/25/2008 | 11:57:14 | 0.075                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 14619      | 09/25/2008 | 11:57:15 | 0.065                     |
| 14620      | 09/25/2008 | 11:57:16 | 0.070                     |
| 14621      | 09/25/2008 | 11:57:17 | 0.098                     |
| 14622      | 09/25/2008 | 11:57:18 | 0.123                     |
| 14623      | 09/25/2008 | 11:57:19 | 0.069                     |
| 14624      | 09/25/2008 | 11:57:20 | 0.072                     |
| 14625      | 09/25/2008 | 11:57:21 | 0.062                     |
| 14626      | 09/25/2008 | 11:57:22 | 0.059                     |
| 14627      | 09/25/2008 | 11:57:23 | 0.077                     |
| 14628      | 09/25/2008 | 11:57:24 | 0.081                     |
| 14629      | 09/25/2008 | 11:57:25 | 0.079                     |
| 14630      | 09/25/2008 | 11:57:26 | 0.062                     |
| 14631      | 09/25/2008 | 11:57:27 | 0.066                     |
| 14632      | 09/25/2008 | 11:57:28 | 0.055                     |
| 14633      | 09/25/2008 | 11:57:29 | 0.054                     |
| 14634      | 09/25/2008 | 11:57:30 | 0.054                     |
| 14635      | 09/25/2008 | 11:57:31 | 0.052                     |
| 14636      | 09/25/2008 | 11:57:32 | 0.057                     |
| 14637      | 09/25/2008 | 11:57:33 | 0.141                     |
| 14638      | 09/25/2008 | 11:57:34 | 0.070                     |
| 14639      | 09/25/2008 | 11:57:35 | 0.070                     |
| 14640      | 09/25/2008 | 11:57:36 | 0.059                     |
| 14641      | 09/25/2008 | 11:57:37 | 0.070                     |
| 14642      | 09/25/2008 | 11:57:38 | 0.084                     |
| 14643      | 09/25/2008 | 11:57:39 | 0.054                     |
| 14644      | 09/25/2008 | 11:57:40 | 0.121                     |
| 14645      | 09/25/2008 | 11:57:41 | 0.172                     |
| 14646      | 09/25/2008 | 11:57:42 | 0.126                     |
| 14647      | 09/25/2008 | 11:57:43 | 0.067                     |
| 14648      | 09/25/2008 | 11:57:44 | 0.064                     |
| 14649      | 09/25/2008 | 11:57:45 | 0.069                     |
| 14650      | 09/25/2008 | 11:57:46 | 0.065                     |
| 14651      | 09/25/2008 | 11:57:47 | 0.060                     |
| 14652      | 09/25/2008 | 11:57:48 | 0.072                     |
| 14653      | 09/25/2008 | 11:57:49 | 0.109                     |
| 14654      | 09/25/2008 | 11:57:50 | 0.108                     |
| 14655      | 09/25/2008 | 11:57:51 | 0.109                     |
| 14656      | 09/25/2008 | 11:57:52 | 0.089                     |
| 14657      | 09/25/2008 | 11:57:53 | 0.066                     |
| 14658      | 09/25/2008 | 11:57:54 | 0.066                     |
| 14659      | 09/25/2008 | 11:57:55 | 0.116                     |
| 14660      | 09/25/2008 | 11:57:56 | 0.064                     |
| 14661      | 09/25/2008 | 11:57:57 | 0.067                     |
| 14662      | 09/25/2008 | 11:57:58 | 0.123                     |
| 14663      | 09/25/2008 | 11:57:59 | 0.075                     |
| 14664      | 09/25/2008 | 11:58:00 | 0.135                     |
| 14665      | 09/25/2008 | 11:58:01 | 0.186                     |
| 14666      | 09/25/2008 | 11:58:02 | 0.109                     |
| 14667      | 09/25/2008 | 11:58:03 | 0.110                     |
| 14668      | 09/25/2008 | 11:58:04 | 0.140                     |
| 14669      | 09/25/2008 | 11:58:05 | 0.157                     |
| 14670      | 09/25/2008 | 11:58:06 | 0.151                     |
| 14671      | 09/25/2008 | 11:58:07 | 0.127                     |
| 14672      | 09/25/2008 | 11:58:08 | 0.116                     |
| 14673      | 09/25/2008 | 11:58:09 | 0.105                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 14674      | 09/25/2008 | 11:58:10 | 0.096                     |
| 14675      | 09/25/2008 | 11:58:11 | 0.074                     |
| 14676      | 09/25/2008 | 11:58:12 | 0.069                     |
| 14677      | 09/25/2008 | 11:58:13 | 0.065                     |
| 14678      | 09/25/2008 | 11:58:14 | 0.059                     |
| 14679      | 09/25/2008 | 11:58:15 | 0.077                     |
| 14680      | 09/25/2008 | 11:58:16 | 0.066                     |
| 14681      | 09/25/2008 | 11:58:17 | 0.064                     |
| 14682      | 09/25/2008 | 11:58:18 | 0.064                     |
| 14683      | 09/25/2008 | 11:58:19 | 0.065                     |
| 14684      | 09/25/2008 | 11:58:20 | 0.058                     |
| 14685      | 09/25/2008 | 11:58:21 | 0.057                     |
| 14686      | 09/25/2008 | 11:58:22 | 0.054                     |
| 14687      | 09/25/2008 | 11:58:23 | 0.053                     |
| 14688      | 09/25/2008 | 11:58:24 | 0.058                     |
| 14689      | 09/25/2008 | 11:58:25 | 0.062                     |
| 14690      | 09/25/2008 | 11:58:26 | 0.061                     |
| 14691      | 09/25/2008 | 11:58:27 | 0.089                     |
| 14692      | 09/25/2008 | 11:58:28 | 0.054                     |
| 14693      | 09/25/2008 | 11:58:29 | 0.054                     |
| 14694      | 09/25/2008 | 11:58:30 | 0.056                     |
| 14695      | 09/25/2008 | 11:58:31 | 0.058                     |
| 14696      | 09/25/2008 | 11:58:32 | 0.061                     |
| 14697      | 09/25/2008 | 11:58:33 | 0.055                     |
| 14698      | 09/25/2008 | 11:58:34 | 0.069                     |
| 14699      | 09/25/2008 | 11:58:35 | 0.059                     |
| 14700      | 09/25/2008 | 11:58:36 | 0.058                     |
| 14701      | 09/25/2008 | 11:58:37 | 0.059                     |
| 14702      | 09/25/2008 | 11:58:38 | 0.105                     |
| 14703      | 09/25/2008 | 11:58:39 | 0.083                     |
| 14704      | 09/25/2008 | 11:58:40 | 0.057                     |
| 14705      | 09/25/2008 | 11:58:41 | 0.065                     |
| 14706      | 09/25/2008 | 11:58:42 | 0.080                     |
| 14707      | 09/25/2008 | 11:58:43 | 0.073                     |
| 14708      | 09/25/2008 | 11:58:44 | 0.078                     |
| 14709      | 09/25/2008 | 11:58:45 | 0.076                     |
| 14710      | 09/25/2008 | 11:58:46 | 0.081                     |
| 14711      | 09/25/2008 | 11:58:47 | 0.077                     |
| 14712      | 09/25/2008 | 11:58:48 | 0.059                     |
| 14713      | 09/25/2008 | 11:58:49 | 0.057                     |
| 14714      | 09/25/2008 | 11:58:50 | 0.055                     |
| 14715      | 09/25/2008 | 11:58:51 | 0.082                     |
| 14716      | 09/25/2008 | 11:58:52 | 0.053                     |
| 14717      | 09/25/2008 | 11:58:53 | 0.055                     |
| 14718      | 09/25/2008 | 11:58:54 | 0.056                     |
| 14719      | 09/25/2008 | 11:58:55 | 0.063                     |
| 14720      | 09/25/2008 | 11:58:56 | 0.061                     |
| 14721      | 09/25/2008 | 11:58:57 | 0.070                     |
| 14722      | 09/25/2008 | 11:58:58 | 0.062                     |
| 14723      | 09/25/2008 | 11:58:59 | 0.077                     |
| 14724      | 09/25/2008 | 11:59:00 | 0.084                     |
| 14725      | 09/25/2008 | 11:59:01 | 0.060                     |
| 14726      | 09/25/2008 | 11:59:02 | 0.051                     |
| 14727      | 09/25/2008 | 11:59:03 | 0.058                     |
| 14728      | 09/25/2008 | 11:59:04 | 0.052                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 14729      | 09/25/2008 | 11:59:05 | 0.053                     |
| 14730      | 09/25/2008 | 11:59:06 | 0.063                     |
| 14731      | 09/25/2008 | 11:59:07 | 0.051                     |
| 14732      | 09/25/2008 | 11:59:08 | 0.059                     |
| 14733      | 09/25/2008 | 11:59:09 | 0.059                     |
| 14734      | 09/25/2008 | 11:59:10 | 0.075                     |
| 14735      | 09/25/2008 | 11:59:11 | 0.141                     |
| 14736      | 09/25/2008 | 11:59:12 | 0.082                     |
| 14737      | 09/25/2008 | 11:59:13 | 0.070                     |
| 14738      | 09/25/2008 | 11:59:14 | 0.070                     |
| 14739      | 09/25/2008 | 11:59:15 | 0.069                     |
| 14740      | 09/25/2008 | 11:59:16 | 0.066                     |
| 14741      | 09/25/2008 | 11:59:17 | 0.098                     |
| 14742      | 09/25/2008 | 11:59:18 | 0.058                     |
| 14743      | 09/25/2008 | 11:59:19 | 0.062                     |
| 14744      | 09/25/2008 | 11:59:20 | 0.066                     |
| 14745      | 09/25/2008 | 11:59:21 | 0.063                     |
| 14746      | 09/25/2008 | 11:59:22 | 0.079                     |
| 14747      | 09/25/2008 | 11:59:23 | 0.085                     |
| 14748      | 09/25/2008 | 11:59:24 | 0.095                     |
| 14749      | 09/25/2008 | 11:59:25 | 0.087                     |
| 14750      | 09/25/2008 | 11:59:26 | 0.068                     |
| 14751      | 09/25/2008 | 11:59:27 | 0.073                     |
| 14752      | 09/25/2008 | 11:59:28 | 0.060                     |
| 14753      | 09/25/2008 | 11:59:29 | 0.084                     |
| 14754      | 09/25/2008 | 11:59:30 | 0.105                     |
| 14755      | 09/25/2008 | 11:59:31 | 0.071                     |
| 14756      | 09/25/2008 | 11:59:32 | 0.249                     |
| 14757      | 09/25/2008 | 11:59:33 | 0.111                     |
| 14758      | 09/25/2008 | 11:59:34 | 0.085                     |
| 14759      | 09/25/2008 | 11:59:35 | 0.061                     |
| 14760      | 09/25/2008 | 11:59:36 | 0.067                     |
| 14761      | 09/25/2008 | 11:59:37 | 0.086                     |
| 14762      | 09/25/2008 | 11:59:38 | 0.082                     |
| 14763      | 09/25/2008 | 11:59:39 | 0.096                     |
| 14764      | 09/25/2008 | 11:59:40 | 0.089                     |
| 14765      | 09/25/2008 | 11:59:41 | 0.069                     |
| 14766      | 09/25/2008 | 11:59:42 | 0.124                     |
| 14767      | 09/25/2008 | 11:59:43 | 0.105                     |
| 14768      | 09/25/2008 | 11:59:44 | 0.093                     |
| 14769      | 09/25/2008 | 11:59:45 | 0.109                     |
| 14770      | 09/25/2008 | 11:59:46 | 0.084                     |
| 14771      | 09/25/2008 | 11:59:47 | 0.116                     |
| 14772      | 09/25/2008 | 11:59:48 | 0.094                     |
| 14773      | 09/25/2008 | 11:59:49 | 0.089                     |
| 14774      | 09/25/2008 | 11:59:50 | 0.077                     |
| 14775      | 09/25/2008 | 11:59:51 | 0.100                     |
| 14776      | 09/25/2008 | 11:59:52 | 0.136                     |
| 14777      | 09/25/2008 | 11:59:53 | 0.138                     |
| 14778      | 09/25/2008 | 11:59:54 | 0.096                     |
| 14779      | 09/25/2008 | 11:59:55 | 0.082                     |
| 14780      | 09/25/2008 | 11:59:56 | 0.088                     |
| 14781      | 09/25/2008 | 11:59:57 | 0.099                     |
| 14782      | 09/25/2008 | 11:59:58 | 0.098                     |
| 14783      | 09/25/2008 | 11:59:59 | 0.068                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 14784      | 09/25/2008 | 12:00:00 | 0.062                     |
| 14785      | 09/25/2008 | 12:00:01 | 0.055                     |
| 14786      | 09/25/2008 | 12:00:02 | 0.063                     |
| 14787      | 09/25/2008 | 12:00:03 | 0.065                     |
| 14788      | 09/25/2008 | 12:00:04 | 0.094                     |
| 14789      | 09/25/2008 | 12:00:05 | 0.107                     |
| 14790      | 09/25/2008 | 12:00:06 | 0.082                     |
| 14791      | 09/25/2008 | 12:00:07 | 0.072                     |
| 14792      | 09/25/2008 | 12:00:08 | 0.094                     |
| 14793      | 09/25/2008 | 12:00:09 | 0.086                     |
| 14794      | 09/25/2008 | 12:00:10 | 0.112                     |
| 14795      | 09/25/2008 | 12:00:11 | 0.094                     |
| 14796      | 09/25/2008 | 12:00:12 | 0.084                     |
| 14797      | 09/25/2008 | 12:00:13 | 0.148                     |
| 14798      | 09/25/2008 | 12:00:14 | 0.137                     |
| 14799      | 09/25/2008 | 12:00:15 | 0.082                     |
| 14800      | 09/25/2008 | 12:00:16 | 0.072                     |
| 14801      | 09/25/2008 | 12:00:17 | 0.065                     |
| 14802      | 09/25/2008 | 12:00:18 | 0.074                     |
| 14803      | 09/25/2008 | 12:00:19 | 0.177                     |
| 14804      | 09/25/2008 | 12:00:20 | 0.085                     |
| 14805      | 09/25/2008 | 12:00:21 | 0.116                     |
| 14806      | 09/25/2008 | 12:00:22 | 0.194                     |
| 14807      | 09/25/2008 | 12:00:23 | 0.160                     |
| 14808      | 09/25/2008 | 12:00:24 | 0.135                     |
| 14809      | 09/25/2008 | 12:00:25 | 0.105                     |
| 14810      | 09/25/2008 | 12:00:26 | 0.146                     |
| 14811      | 09/25/2008 | 12:00:27 | 0.112                     |
| 14812      | 09/25/2008 | 12:00:28 | 0.071                     |
| 14813      | 09/25/2008 | 12:00:29 | 0.082                     |
| 14814      | 09/25/2008 | 12:00:30 | 0.072                     |
| 14815      | 09/25/2008 | 12:00:31 | 0.064                     |
| 14816      | 09/25/2008 | 12:00:32 | 0.070                     |
| 14817      | 09/25/2008 | 12:00:33 | 0.062                     |
| 14818      | 09/25/2008 | 12:00:34 | 0.060                     |
| 14819      | 09/25/2008 | 12:00:35 | 0.053                     |
| 14820      | 09/25/2008 | 12:00:36 | 0.056                     |
| 14821      | 09/25/2008 | 12:00:37 | 0.058                     |
| 14822      | 09/25/2008 | 12:00:38 | 0.054                     |
| 14823      | 09/25/2008 | 12:00:39 | 0.056                     |
| 14824      | 09/25/2008 | 12:00:40 | 0.052                     |
| 14825      | 09/25/2008 | 12:00:41 | 0.077                     |
| 14826      | 09/25/2008 | 12:00:42 | 0.054                     |
| 14827      | 09/25/2008 | 12:00:43 | 0.059                     |
| 14828      | 09/25/2008 | 12:00:44 | 0.059                     |
| 14829      | 09/25/2008 | 12:00:45 | 0.054                     |
| 14830      | 09/25/2008 | 12:00:46 | 0.058                     |
| 14831      | 09/25/2008 | 12:00:47 | 0.057                     |
| 14832      | 09/25/2008 | 12:00:48 | 0.055                     |
| 14833      | 09/25/2008 | 12:00:49 | 0.053                     |
| 14834      | 09/25/2008 | 12:00:50 | 0.050                     |
| 14835      | 09/25/2008 | 12:00:51 | 0.056                     |
| 14836      | 09/25/2008 | 12:00:52 | 0.059                     |
| 14837      | 09/25/2008 | 12:00:53 | 0.051                     |
| 14838      | 09/25/2008 | 12:00:54 | 0.053                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 14839      | 09/25/2008 | 12:00:55 | 0.049                     |
| 14840      | 09/25/2008 | 12:00:56 | 0.053                     |
| 14841      | 09/25/2008 | 12:00:57 | 0.051                     |
| 14842      | 09/25/2008 | 12:00:58 | 0.054                     |
| 14843      | 09/25/2008 | 12:00:59 | 0.055                     |
| 14844      | 09/25/2008 | 12:01:00 | 0.055                     |
| 14845      | 09/25/2008 | 12:01:01 | 0.055                     |
| 14846      | 09/25/2008 | 12:01:02 | 0.058                     |
| 14847      | 09/25/2008 | 12:01:03 | 0.049                     |
| 14848      | 09/25/2008 | 12:01:04 | 0.052                     |
| 14849      | 09/25/2008 | 12:01:05 | 0.062                     |
| 14850      | 09/25/2008 | 12:01:06 | 0.052                     |
| 14851      | 09/25/2008 | 12:01:07 | 0.059                     |
| 14852      | 09/25/2008 | 12:01:08 | 0.052                     |
| 14853      | 09/25/2008 | 12:01:09 | 0.047                     |
| 14854      | 09/25/2008 | 12:01:10 | 0.046                     |
| 14855      | 09/25/2008 | 12:01:11 | 0.054                     |
| 14856      | 09/25/2008 | 12:01:12 | 0.050                     |
| 14857      | 09/25/2008 | 12:01:13 | 0.063                     |
| 14858      | 09/25/2008 | 12:01:14 | 0.059                     |
| 14859      | 09/25/2008 | 12:01:15 | 0.060                     |
| 14860      | 09/25/2008 | 12:01:16 | 0.057                     |
| 14861      | 09/25/2008 | 12:01:17 | 0.052                     |
| 14862      | 09/25/2008 | 12:01:18 | 0.051                     |
| 14863      | 09/25/2008 | 12:01:19 | 0.053                     |
| 14864      | 09/25/2008 | 12:01:20 | 0.054                     |
| 14865      | 09/25/2008 | 12:01:21 | 0.052                     |
| 14866      | 09/25/2008 | 12:01:22 | 0.049                     |
| 14867      | 09/25/2008 | 12:01:23 | 0.050                     |
| 14868      | 09/25/2008 | 12:01:24 | 0.054                     |
| 14869      | 09/25/2008 | 12:01:25 | 0.065                     |
| 14870      | 09/25/2008 | 12:01:26 | 0.052                     |
| 14871      | 09/25/2008 | 12:01:27 | 0.055                     |
| 14872      | 09/25/2008 | 12:01:28 | 0.058                     |
| 14873      | 09/25/2008 | 12:01:29 | 0.049                     |
| 14874      | 09/25/2008 | 12:01:30 | 0.062                     |
| 14875      | 09/25/2008 | 12:01:31 | 0.053                     |
| 14876      | 09/25/2008 | 12:01:32 | 0.055                     |
| 14877      | 09/25/2008 | 12:01:33 | 0.057                     |
| 14878      | 09/25/2008 | 12:01:34 | 0.054                     |
| 14879      | 09/25/2008 | 12:01:35 | 0.056                     |
| 14880      | 09/25/2008 | 12:01:36 | 0.057                     |
| 14881      | 09/25/2008 | 12:01:37 | 0.069                     |
| 14882      | 09/25/2008 | 12:01:38 | 0.049                     |
| 14883      | 09/25/2008 | 12:01:39 | 0.079                     |
| 14884      | 09/25/2008 | 12:01:40 | 0.057                     |
| 14885      | 09/25/2008 | 12:01:41 | 0.062                     |
| 14886      | 09/25/2008 | 12:01:42 | 0.065                     |
| 14887      | 09/25/2008 | 12:01:43 | 0.065                     |
| 14888      | 09/25/2008 | 12:01:44 | 0.061                     |
| 14889      | 09/25/2008 | 12:01:45 | 0.064                     |
| 14890      | 09/25/2008 | 12:01:46 | 0.052                     |
| 14891      | 09/25/2008 | 12:01:47 | 0.062                     |
| 14892      | 09/25/2008 | 12:01:48 | 0.069                     |
| 14893      | 09/25/2008 | 12:01:49 | 0.132                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 14894      | 09/25/2008 | 12:01:50 | 0.048                     |
| 14895      | 09/25/2008 | 12:01:51 | 0.055                     |
| 14896      | 09/25/2008 | 12:01:52 | 0.067                     |
| 14897      | 09/25/2008 | 12:01:53 | 0.059                     |
| 14898      | 09/25/2008 | 12:01:54 | 0.050                     |
| 14899      | 09/25/2008 | 12:01:55 | 0.129                     |
| 14900      | 09/25/2008 | 12:01:56 | 0.084                     |
| 14901      | 09/25/2008 | 12:01:57 | 0.059                     |
| 14902      | 09/25/2008 | 12:01:58 | 0.061                     |
| 14903      | 09/25/2008 | 12:01:59 | 0.090                     |
| 14904      | 09/25/2008 | 12:02:00 | 0.066                     |
| 14905      | 09/25/2008 | 12:02:01 | 0.068                     |
| 14906      | 09/25/2008 | 12:02:02 | 0.060                     |
| 14907      | 09/25/2008 | 12:02:03 | 0.059                     |
| 14908      | 09/25/2008 | 12:02:04 | 0.052                     |
| 14909      | 09/25/2008 | 12:02:05 | 0.055                     |
| 14910      | 09/25/2008 | 12:02:06 | 0.058                     |
| 14911      | 09/25/2008 | 12:02:07 | 0.058                     |
| 14912      | 09/25/2008 | 12:02:08 | 0.055                     |
| 14913      | 09/25/2008 | 12:02:09 | 0.051                     |
| 14914      | 09/25/2008 | 12:02:10 | 0.052                     |
| 14915      | 09/25/2008 | 12:02:11 | 0.055                     |
| 14916      | 09/25/2008 | 12:02:12 | 0.056                     |
| 14917      | 09/25/2008 | 12:02:13 | 0.054                     |
| 14918      | 09/25/2008 | 12:02:14 | 0.057                     |
| 14919      | 09/25/2008 | 12:02:15 | 0.060                     |
| 14920      | 09/25/2008 | 12:02:16 | 0.052                     |
| 14921      | 09/25/2008 | 12:02:17 | 0.059                     |
| 14922      | 09/25/2008 | 12:02:18 | 0.060                     |
| 14923      | 09/25/2008 | 12:02:19 | 0.063                     |
| 14924      | 09/25/2008 | 12:02:20 | 0.057                     |
| 14925      | 09/25/2008 | 12:02:21 | 0.055                     |
| 14926      | 09/25/2008 | 12:02:22 | 0.061                     |
| 14927      | 09/25/2008 | 12:02:23 | 0.056                     |
| 14928      | 09/25/2008 | 12:02:24 | 0.058                     |
| 14929      | 09/25/2008 | 12:02:25 | 0.057                     |
| 14930      | 09/25/2008 | 12:02:26 | 0.064                     |
| 14931      | 09/25/2008 | 12:02:27 | 0.054                     |
| 14932      | 09/25/2008 | 12:02:28 | 0.057                     |
| 14933      | 09/25/2008 | 12:02:29 | 0.067                     |
| 14934      | 09/25/2008 | 12:02:30 | 0.054                     |
| 14935      | 09/25/2008 | 12:02:31 | 0.052                     |
| 14936      | 09/25/2008 | 12:02:32 | 0.047                     |
| 14937      | 09/25/2008 | 12:02:33 | 0.058                     |
| 14938      | 09/25/2008 | 12:02:34 | 0.059                     |
| 14939      | 09/25/2008 | 12:02:35 | 0.055                     |
| 14940      | 09/25/2008 | 12:02:36 | 0.054                     |
| 14941      | 09/25/2008 | 12:02:37 | 0.050                     |
| 14942      | 09/25/2008 | 12:02:38 | 0.053                     |
| 14943      | 09/25/2008 | 12:02:39 | 0.053                     |
| 14944      | 09/25/2008 | 12:02:40 | 0.055                     |
| 14945      | 09/25/2008 | 12:02:41 | 0.058                     |
| 14946      | 09/25/2008 | 12:02:42 | 0.047                     |
| 14947      | 09/25/2008 | 12:02:43 | 0.051                     |
| 14948      | 09/25/2008 | 12:02:44 | 0.060                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 14949      | 09/25/2008 | 12:02:45 | 0.054                     |
| 14950      | 09/25/2008 | 12:02:46 | 0.056                     |
| 14951      | 09/25/2008 | 12:02:47 | 0.060                     |
| 14952      | 09/25/2008 | 12:02:48 | 0.059                     |
| 14953      | 09/25/2008 | 12:02:49 | 0.060                     |
| 14954      | 09/25/2008 | 12:02:50 | 0.054                     |
| 14955      | 09/25/2008 | 12:02:51 | 0.057                     |
| 14956      | 09/25/2008 | 12:02:52 | 0.061                     |
| 14957      | 09/25/2008 | 12:02:53 | 0.052                     |
| 14958      | 09/25/2008 | 12:02:54 | 0.058                     |
| 14959      | 09/25/2008 | 12:02:55 | 0.055                     |
| 14960      | 09/25/2008 | 12:02:56 | 0.055                     |
| 14961      | 09/25/2008 | 12:02:57 | 0.073                     |
| 14962      | 09/25/2008 | 12:02:58 | 0.057                     |
| 14963      | 09/25/2008 | 12:02:59 | 0.052                     |
| 14964      | 09/25/2008 | 12:03:00 | 0.050                     |
| 14965      | 09/25/2008 | 12:03:01 | 0.050                     |
| 14966      | 09/25/2008 | 12:03:02 | 0.054                     |
| 14967      | 09/25/2008 | 12:03:03 | 0.048                     |
| 14968      | 09/25/2008 | 12:03:04 | 0.056                     |
| 14969      | 09/25/2008 | 12:03:05 | 0.092                     |
| 14970      | 09/25/2008 | 12:03:06 | 0.056                     |
| 14971      | 09/25/2008 | 12:03:07 | 0.056                     |
| 14972      | 09/25/2008 | 12:03:08 | 0.056                     |
| 14973      | 09/25/2008 | 12:03:09 | 0.054                     |
| 14974      | 09/25/2008 | 12:03:10 | 0.050                     |
| 14975      | 09/25/2008 | 12:03:11 | 0.053                     |
| 14976      | 09/25/2008 | 12:03:12 | 0.051                     |
| 14977      | 09/25/2008 | 12:03:13 | 0.050                     |
| 14978      | 09/25/2008 | 12:03:14 | 0.062                     |
| 14979      | 09/25/2008 | 12:03:15 | 0.051                     |
| 14980      | 09/25/2008 | 12:03:16 | 0.048                     |
| 14981      | 09/25/2008 | 12:03:17 | 0.048                     |
| 14982      | 09/25/2008 | 12:03:18 | 0.051                     |
| 14983      | 09/25/2008 | 12:03:19 | 0.053                     |
| 14984      | 09/25/2008 | 12:03:20 | 0.055                     |
| 14985      | 09/25/2008 | 12:03:21 | 0.049                     |
| 14986      | 09/25/2008 | 12:03:22 | 0.052                     |
| 14987      | 09/25/2008 | 12:03:23 | 0.050                     |
| 14988      | 09/25/2008 | 12:03:24 | 0.052                     |
| 14989      | 09/25/2008 | 12:03:25 | 0.054                     |
| 14990      | 09/25/2008 | 12:03:26 | 0.060                     |
| 14991      | 09/25/2008 | 12:03:27 | 0.061                     |
| 14992      | 09/25/2008 | 12:03:28 | 0.047                     |
| 14993      | 09/25/2008 | 12:03:29 | 0.057                     |
| 14994      | 09/25/2008 | 12:03:30 | 0.049                     |
| 14995      | 09/25/2008 | 12:03:31 | 0.050                     |
| 14996      | 09/25/2008 | 12:03:32 | 0.052                     |
| 14997      | 09/25/2008 | 12:03:33 | 0.051                     |
| 14998      | 09/25/2008 | 12:03:34 | 0.061                     |
| 14999      | 09/25/2008 | 12:03:35 | 0.050                     |
| 15000      | 09/25/2008 | 12:03:36 | 0.050                     |
| 15001      | 09/25/2008 | 12:03:37 | 0.052                     |
| 15002      | 09/25/2008 | 12:03:38 | 0.050                     |
| 15003      | 09/25/2008 | 12:03:39 | 0.063                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 15004      | 09/25/2008 | 12:03:40 | 0.052                     |
| 15005      | 09/25/2008 | 12:03:41 | 0.052                     |
| 15006      | 09/25/2008 | 12:03:42 | 0.056                     |
| 15007      | 09/25/2008 | 12:03:43 | 0.049                     |
| 15008      | 09/25/2008 | 12:03:44 | 0.050                     |
| 15009      | 09/25/2008 | 12:03:45 | 0.047                     |
| 15010      | 09/25/2008 | 12:03:46 | 0.058                     |
| 15011      | 09/25/2008 | 12:03:47 | 0.050                     |
| 15012      | 09/25/2008 | 12:03:48 | 0.070                     |
| 15013      | 09/25/2008 | 12:03:49 | 0.057                     |
| 15014      | 09/25/2008 | 12:03:50 | 0.064                     |
| 15015      | 09/25/2008 | 12:03:51 | 0.056                     |
| 15016      | 09/25/2008 | 12:03:52 | 0.072                     |
| 15017      | 09/25/2008 | 12:03:53 | 0.051                     |
| 15018      | 09/25/2008 | 12:03:54 | 0.051                     |
| 15019      | 09/25/2008 | 12:03:55 | 0.050                     |
| 15020      | 09/25/2008 | 12:03:56 | 0.056                     |
| 15021      | 09/25/2008 | 12:03:57 | 0.060                     |
| 15022      | 09/25/2008 | 12:03:58 | 0.052                     |
| 15023      | 09/25/2008 | 12:03:59 | 0.055                     |
| 15024      | 09/25/2008 | 12:04:00 | 0.054                     |
| 15025      | 09/25/2008 | 12:04:01 | 0.052                     |
| 15026      | 09/25/2008 | 12:04:02 | 0.059                     |
| 15027      | 09/25/2008 | 12:04:03 | 0.110                     |
| 15028      | 09/25/2008 | 12:04:04 | 0.052                     |
| 15029      | 09/25/2008 | 12:04:05 | 0.050                     |
| 15030      | 09/25/2008 | 12:04:06 | 0.054                     |
| 15031      | 09/25/2008 | 12:04:07 | 0.046                     |
| 15032      | 09/25/2008 | 12:04:08 | 0.048                     |
| 15033      | 09/25/2008 | 12:04:09 | 0.055                     |
| 15034      | 09/25/2008 | 12:04:10 | 0.051                     |
| 15035      | 09/25/2008 | 12:04:11 | 0.056                     |
| 15036      | 09/25/2008 | 12:04:12 | 0.051                     |
| 15037      | 09/25/2008 | 12:04:13 | 0.070                     |
| 15038      | 09/25/2008 | 12:04:14 | 0.067                     |
| 15039      | 09/25/2008 | 12:04:15 | 0.054                     |
| 15040      | 09/25/2008 | 12:04:16 | 0.050                     |
| 15041      | 09/25/2008 | 12:04:17 | 0.080                     |
| 15042      | 09/25/2008 | 12:04:18 | 0.059                     |
| 15043      | 09/25/2008 | 12:04:19 | 0.052                     |
| 15044      | 09/25/2008 | 12:04:20 | 0.054                     |
| 15045      | 09/25/2008 | 12:04:21 | 0.055                     |
| 15046      | 09/25/2008 | 12:04:22 | 0.056                     |
| 15047      | 09/25/2008 | 12:04:23 | 0.055                     |
| 15048      | 09/25/2008 | 12:04:24 | 0.062                     |
| 15049      | 09/25/2008 | 12:04:25 | 0.052                     |
| 15050      | 09/25/2008 | 12:04:26 | 0.068                     |
| 15051      | 09/25/2008 | 12:04:27 | 0.052                     |
| 15052      | 09/25/2008 | 12:04:28 | 0.054                     |
| 15053      | 09/25/2008 | 12:04:29 | 0.061                     |
| 15054      | 09/25/2008 | 12:04:30 | 0.056                     |
| 15055      | 09/25/2008 | 12:04:31 | 0.053                     |
| 15056      | 09/25/2008 | 12:04:32 | 0.050                     |
| 15057      | 09/25/2008 | 12:04:33 | 0.057                     |
| 15058      | 09/25/2008 | 12:04:34 | 0.054                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 15059      | 09/25/2008 | 12:04:35 | 0.053                     |
| 15060      | 09/25/2008 | 12:04:36 | 0.071                     |
| 15061      | 09/25/2008 | 12:04:37 | 0.061                     |
| 15062      | 09/25/2008 | 12:04:38 | 0.056                     |
| 15063      | 09/25/2008 | 12:04:39 | 0.056                     |
| 15064      | 09/25/2008 | 12:04:40 | 0.050                     |
| 15065      | 09/25/2008 | 12:04:41 | 0.058                     |
| 15066      | 09/25/2008 | 12:04:42 | 0.054                     |
| 15067      | 09/25/2008 | 12:04:43 | 0.052                     |
| 15068      | 09/25/2008 | 12:04:44 | 0.053                     |
| 15069      | 09/25/2008 | 12:04:45 | 0.051                     |
| 15070      | 09/25/2008 | 12:04:46 | 0.054                     |
| 15071      | 09/25/2008 | 12:04:47 | 0.051                     |
| 15072      | 09/25/2008 | 12:04:48 | 0.065                     |
| 15073      | 09/25/2008 | 12:04:49 | 0.052                     |
| 15074      | 09/25/2008 | 12:04:50 | 0.050                     |
| 15075      | 09/25/2008 | 12:04:51 | 0.049                     |
| 15076      | 09/25/2008 | 12:04:52 | 0.105                     |
| 15077      | 09/25/2008 | 12:04:53 | 0.050                     |
| 15078      | 09/25/2008 | 12:04:54 | 0.051                     |
| 15079      | 09/25/2008 | 12:04:55 | 0.050                     |
| 15080      | 09/25/2008 | 12:04:56 | 0.058                     |
| 15081      | 09/25/2008 | 12:04:57 | 0.049                     |
| 15082      | 09/25/2008 | 12:04:58 | 0.050                     |
| 15083      | 09/25/2008 | 12:04:59 | 0.055                     |
| 15084      | 09/25/2008 | 12:05:00 | 0.055                     |
| 15085      | 09/25/2008 | 12:05:01 | 0.052                     |
| 15086      | 09/25/2008 | 12:05:02 | 0.054                     |
| 15087      | 09/25/2008 | 12:05:03 | 0.060                     |
| 15088      | 09/25/2008 | 12:05:04 | 0.061                     |
| 15089      | 09/25/2008 | 12:05:05 | 0.050                     |
| 15090      | 09/25/2008 | 12:05:06 | 0.051                     |
| 15091      | 09/25/2008 | 12:05:07 | 0.052                     |
| 15092      | 09/25/2008 | 12:05:08 | 0.056                     |
| 15093      | 09/25/2008 | 12:05:09 | 0.051                     |
| 15094      | 09/25/2008 | 12:05:10 | 0.051                     |
| 15095      | 09/25/2008 | 12:05:11 | 0.049                     |
| 15096      | 09/25/2008 | 12:05:12 | 0.073                     |
| 15097      | 09/25/2008 | 12:05:13 | 0.052                     |
| 15098      | 09/25/2008 | 12:05:14 | 0.053                     |
| 15099      | 09/25/2008 | 12:05:15 | 0.059                     |
| 15100      | 09/25/2008 | 12:05:16 | 0.049                     |
| 15101      | 09/25/2008 | 12:05:17 | 0.058                     |
| 15102      | 09/25/2008 | 12:05:18 | 0.054                     |
| 15103      | 09/25/2008 | 12:05:19 | 0.055                     |
| 15104      | 09/25/2008 | 12:05:20 | 0.057                     |
| 15105      | 09/25/2008 | 12:05:21 | 0.053                     |
| 15106      | 09/25/2008 | 12:05:22 | 0.048                     |
| 15107      | 09/25/2008 | 12:05:23 | 0.051                     |
| 15108      | 09/25/2008 | 12:05:24 | 0.047                     |
| 15109      | 09/25/2008 | 12:05:25 | 0.051                     |
| 15110      | 09/25/2008 | 12:05:26 | 0.060                     |
| 15111      | 09/25/2008 | 12:05:27 | 0.057                     |
| 15112      | 09/25/2008 | 12:05:28 | 0.057                     |
| 15113      | 09/25/2008 | 12:05:29 | 0.053                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 15114      | 09/25/2008 | 12:05:30 | 0.059                     |
| 15115      | 09/25/2008 | 12:05:31 | 0.052                     |
| 15116      | 09/25/2008 | 12:05:32 | 0.046                     |
| 15117      | 09/25/2008 | 12:05:33 | 0.054                     |
| 15118      | 09/25/2008 | 12:05:34 | 0.055                     |
| 15119      | 09/25/2008 | 12:05:35 | 0.054                     |
| 15120      | 09/25/2008 | 12:05:36 | 0.058                     |
| 15121      | 09/25/2008 | 12:05:37 | 0.048                     |
| 15122      | 09/25/2008 | 12:05:38 | 0.054                     |
| 15123      | 09/25/2008 | 12:05:39 | 0.057                     |
| 15124      | 09/25/2008 | 12:05:40 | 0.060                     |
| 15125      | 09/25/2008 | 12:05:41 | 0.060                     |
| 15126      | 09/25/2008 | 12:05:42 | 0.049                     |
| 15127      | 09/25/2008 | 12:05:43 | 0.053                     |
| 15128      | 09/25/2008 | 12:05:44 | 0.049                     |
| 15129      | 09/25/2008 | 12:05:45 | 0.048                     |
| 15130      | 09/25/2008 | 12:05:46 | 0.057                     |
| 15131      | 09/25/2008 | 12:05:47 | 0.050                     |
| 15132      | 09/25/2008 | 12:05:48 | 0.056                     |
| 15133      | 09/25/2008 | 12:05:49 | 0.051                     |
| 15134      | 09/25/2008 | 12:05:50 | 0.056                     |
| 15135      | 09/25/2008 | 12:05:51 | 0.054                     |
| 15136      | 09/25/2008 | 12:05:52 | 0.055                     |
| 15137      | 09/25/2008 | 12:05:53 | 0.057                     |
| 15138      | 09/25/2008 | 12:05:54 | 0.055                     |
| 15139      | 09/25/2008 | 12:05:55 | 0.059                     |
| 15140      | 09/25/2008 | 12:05:56 | 0.053                     |
| 15141      | 09/25/2008 | 12:05:57 | 0.052                     |
| 15142      | 09/25/2008 | 12:05:58 | 0.052                     |
| 15143      | 09/25/2008 | 12:05:59 | 0.053                     |
| 15144      | 09/25/2008 | 12:06:00 | 0.053                     |
| 15145      | 09/25/2008 | 12:06:01 | 0.053                     |
| 15146      | 09/25/2008 | 12:06:02 | 0.055                     |
| 15147      | 09/25/2008 | 12:06:03 | 0.051                     |
| 15148      | 09/25/2008 | 12:06:04 | 0.049                     |
| 15149      | 09/25/2008 | 12:06:05 | 0.053                     |
| 15150      | 09/25/2008 | 12:06:06 | 0.053                     |
| 15151      | 09/25/2008 | 12:06:07 | 0.051                     |
| 15152      | 09/25/2008 | 12:06:08 | 0.054                     |
| 15153      | 09/25/2008 | 12:06:09 | 0.064                     |
| 15154      | 09/25/2008 | 12:06:10 | 0.057                     |
| 15155      | 09/25/2008 | 12:06:11 | 0.058                     |
| 15156      | 09/25/2008 | 12:06:12 | 0.061                     |
| 15157      | 09/25/2008 | 12:06:13 | 0.053                     |
| 15158      | 09/25/2008 | 12:06:14 | 0.052                     |
| 15159      | 09/25/2008 | 12:06:15 | 0.053                     |
| 15160      | 09/25/2008 | 12:06:16 | 0.052                     |
| 15161      | 09/25/2008 | 12:06:17 | 0.060                     |
| 15162      | 09/25/2008 | 12:06:18 | 0.055                     |
| 15163      | 09/25/2008 | 12:06:19 | 0.050                     |
| 15164      | 09/25/2008 | 12:06:20 | 0.054                     |
| 15165      | 09/25/2008 | 12:06:21 | 0.053                     |
| 15166      | 09/25/2008 | 12:06:22 | 0.050                     |
| 15167      | 09/25/2008 | 12:06:23 | 0.053                     |
| 15168      | 09/25/2008 | 12:06:24 | 0.051                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 15169      | 09/25/2008 | 12:06:25 | 0.058                     |
| 15170      | 09/25/2008 | 12:06:26 | 0.049                     |
| 15171      | 09/25/2008 | 12:06:27 | 0.053                     |
| 15172      | 09/25/2008 | 12:06:28 | 0.047                     |
| 15173      | 09/25/2008 | 12:06:29 | 0.053                     |
| 15174      | 09/25/2008 | 12:06:30 | 0.052                     |
| 15175      | 09/25/2008 | 12:06:31 | 0.057                     |
| 15176      | 09/25/2008 | 12:06:32 | 0.052                     |
| 15177      | 09/25/2008 | 12:06:33 | 0.057                     |
| 15178      | 09/25/2008 | 12:06:34 | 0.055                     |
| 15179      | 09/25/2008 | 12:06:35 | 0.063                     |
| 15180      | 09/25/2008 | 12:06:36 | 0.058                     |
| 15181      | 09/25/2008 | 12:06:37 | 0.059                     |
| 15182      | 09/25/2008 | 12:06:38 | 0.053                     |
| 15183      | 09/25/2008 | 12:06:39 | 0.051                     |
| 15184      | 09/25/2008 | 12:06:40 | 0.054                     |
| 15185      | 09/25/2008 | 12:06:41 | 0.057                     |
| 15186      | 09/25/2008 | 12:06:42 | 0.055                     |
| 15187      | 09/25/2008 | 12:06:43 | 0.055                     |
| 15188      | 09/25/2008 | 12:06:44 | 0.052                     |
| 15189      | 09/25/2008 | 12:06:45 | 0.047                     |
| 15190      | 09/25/2008 | 12:06:46 | 0.056                     |
| 15191      | 09/25/2008 | 12:06:47 | 0.051                     |
| 15192      | 09/25/2008 | 12:06:48 | 0.055                     |
| 15193      | 09/25/2008 | 12:06:49 | 0.047                     |
| 15194      | 09/25/2008 | 12:06:50 | 0.057                     |
| 15195      | 09/25/2008 | 12:06:51 | 0.058                     |
| 15196      | 09/25/2008 | 12:06:52 | 0.054                     |
| 15197      | 09/25/2008 | 12:06:53 | 0.053                     |
| 15198      | 09/25/2008 | 12:06:54 | 0.050                     |
| 15199      | 09/25/2008 | 12:06:55 | 0.054                     |
| 15200      | 09/25/2008 | 12:06:56 | 0.059                     |
| 15201      | 09/25/2008 | 12:06:57 | 0.051                     |
| 15202      | 09/25/2008 | 12:06:58 | 0.048                     |
| 15203      | 09/25/2008 | 12:06:59 | 0.049                     |
| 15204      | 09/25/2008 | 12:07:00 | 0.055                     |
| 15205      | 09/25/2008 | 12:07:01 | 0.056                     |
| 15206      | 09/25/2008 | 12:07:02 | 0.056                     |
| 15207      | 09/25/2008 | 12:07:03 | 0.048                     |
| 15208      | 09/25/2008 | 12:07:04 | 0.089                     |
| 15209      | 09/25/2008 | 12:07:05 | 0.057                     |
| 15210      | 09/25/2008 | 12:07:06 | 0.053                     |
| 15211      | 09/25/2008 | 12:07:07 | 0.052                     |
| 15212      | 09/25/2008 | 12:07:08 | 0.051                     |
| 15213      | 09/25/2008 | 12:07:09 | 0.053                     |
| 15214      | 09/25/2008 | 12:07:10 | 0.047                     |
| 15215      | 09/25/2008 | 12:07:11 | 0.055                     |
| 15216      | 09/25/2008 | 12:07:12 | 0.049                     |
| 15217      | 09/25/2008 | 12:07:13 | 0.051                     |
| 15218      | 09/25/2008 | 12:07:14 | 0.050                     |
| 15219      | 09/25/2008 | 12:07:15 | 0.055                     |
| 15220      | 09/25/2008 | 12:07:16 | 0.048                     |
| 15221      | 09/25/2008 | 12:07:17 | 0.049                     |
| 15222      | 09/25/2008 | 12:07:18 | 0.055                     |
| 15223      | 09/25/2008 | 12:07:19 | 0.050                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 15224      | 09/25/2008 | 12:07:20 | 0.051                     |
| 15225      | 09/25/2008 | 12:07:21 | 0.053                     |
| 15226      | 09/25/2008 | 12:07:22 | 0.052                     |
| 15227      | 09/25/2008 | 12:07:23 | 0.048                     |
| 15228      | 09/25/2008 | 12:07:24 | 0.054                     |
| 15229      | 09/25/2008 | 12:07:25 | 0.050                     |
| 15230      | 09/25/2008 | 12:07:26 | 0.049                     |
| 15231      | 09/25/2008 | 12:07:27 | 0.052                     |
| 15232      | 09/25/2008 | 12:07:28 | 0.052                     |
| 15233      | 09/25/2008 | 12:07:29 | 0.047                     |
| 15234      | 09/25/2008 | 12:07:30 | 0.078                     |
| 15235      | 09/25/2008 | 12:07:31 | 0.056                     |
| 15236      | 09/25/2008 | 12:07:32 | 0.049                     |
| 15237      | 09/25/2008 | 12:07:33 | 0.066                     |
| 15238      | 09/25/2008 | 12:07:34 | 0.062                     |
| 15239      | 09/25/2008 | 12:07:35 | 0.056                     |
| 15240      | 09/25/2008 | 12:07:36 | 0.062                     |
| 15241      | 09/25/2008 | 12:07:37 | 0.054                     |
| 15242      | 09/25/2008 | 12:07:38 | 0.055                     |
| 15243      | 09/25/2008 | 12:07:39 | 0.051                     |
| 15244      | 09/25/2008 | 12:07:40 | 0.049                     |
| 15245      | 09/25/2008 | 12:07:41 | 0.058                     |
| 15246      | 09/25/2008 | 12:07:42 | 0.054                     |
| 15247      | 09/25/2008 | 12:07:43 | 0.058                     |
| 15248      | 09/25/2008 | 12:07:44 | 0.071                     |
| 15249      | 09/25/2008 | 12:07:45 | 0.053                     |
| 15250      | 09/25/2008 | 12:07:46 | 0.053                     |
| 15251      | 09/25/2008 | 12:07:47 | 0.056                     |
| 15252      | 09/25/2008 | 12:07:48 | 0.050                     |
| 15253      | 09/25/2008 | 12:07:49 | 0.048                     |
| 15254      | 09/25/2008 | 12:07:50 | 0.057                     |
| 15255      | 09/25/2008 | 12:07:51 | 0.050                     |
| 15256      | 09/25/2008 | 12:07:52 | 0.053                     |
| 15257      | 09/25/2008 | 12:07:53 | 0.060                     |
| 15258      | 09/25/2008 | 12:07:54 | 0.055                     |
| 15259      | 09/25/2008 | 12:07:55 | 0.072                     |
| 15260      | 09/25/2008 | 12:07:56 | 0.058                     |
| 15261      | 09/25/2008 | 12:07:57 | 0.052                     |
| 15262      | 09/25/2008 | 12:07:58 | 0.048                     |
| 15263      | 09/25/2008 | 12:07:59 | 0.047                     |
| 15264      | 09/25/2008 | 12:08:00 | 0.051                     |
| 15265      | 09/25/2008 | 12:08:01 | 0.056                     |
| 15266      | 09/25/2008 | 12:08:02 | 0.062                     |
| 15267      | 09/25/2008 | 12:08:03 | 0.048                     |
| 15268      | 09/25/2008 | 12:08:04 | 0.061                     |
| 15269      | 09/25/2008 | 12:08:05 | 0.049                     |
| 15270      | 09/25/2008 | 12:08:06 | 0.056                     |
| 15271      | 09/25/2008 | 12:08:07 | 0.050                     |
| 15272      | 09/25/2008 | 12:08:08 | 0.053                     |
| 15273      | 09/25/2008 | 12:08:09 | 0.055                     |
| 15274      | 09/25/2008 | 12:08:10 | 0.049                     |
| 15275      | 09/25/2008 | 12:08:11 | 0.051                     |
| 15276      | 09/25/2008 | 12:08:12 | 0.057                     |
| 15277      | 09/25/2008 | 12:08:13 | 0.063                     |
| 15278      | 09/25/2008 | 12:08:14 | 0.051                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 15279      | 09/25/2008 | 12:08:15 | 0.060                     |
| 15280      | 09/25/2008 | 12:08:16 | 0.077                     |
| 15281      | 09/25/2008 | 12:08:17 | 0.052                     |
| 15282      | 09/25/2008 | 12:08:18 | 0.057                     |
| 15283      | 09/25/2008 | 12:08:19 | 0.055                     |
| 15284      | 09/25/2008 | 12:08:20 | 0.056                     |
| 15285      | 09/25/2008 | 12:08:21 | 0.072                     |
| 15286      | 09/25/2008 | 12:08:22 | 0.050                     |
| 15287      | 09/25/2008 | 12:08:23 | 0.053                     |
| 15288      | 09/25/2008 | 12:08:24 | 0.049                     |
| 15289      | 09/25/2008 | 12:08:25 | 0.061                     |
| 15290      | 09/25/2008 | 12:08:26 | 0.064                     |
| 15291      | 09/25/2008 | 12:08:27 | 0.048                     |
| 15292      | 09/25/2008 | 12:08:28 | 0.053                     |
| 15293      | 09/25/2008 | 12:08:29 | 0.054                     |
| 15294      | 09/25/2008 | 12:08:30 | 0.053                     |
| 15295      | 09/25/2008 | 12:08:31 | 0.055                     |
| 15296      | 09/25/2008 | 12:08:32 | 0.054                     |
| 15297      | 09/25/2008 | 12:08:33 | 0.058                     |
| 15298      | 09/25/2008 | 12:08:34 | 0.057                     |
| 15299      | 09/25/2008 | 12:08:35 | 0.047                     |
| 15300      | 09/25/2008 | 12:08:36 | 0.068                     |
| 15301      | 09/25/2008 | 12:08:37 | 0.052                     |
| 15302      | 09/25/2008 | 12:08:38 | 0.054                     |
| 15303      | 09/25/2008 | 12:08:39 | 0.073                     |
| 15304      | 09/25/2008 | 12:08:40 | 0.051                     |
| 15305      | 09/25/2008 | 12:08:41 | 0.052                     |
| 15306      | 09/25/2008 | 12:08:42 | 0.052                     |
| 15307      | 09/25/2008 | 12:08:43 | 0.055                     |
| 15308      | 09/25/2008 | 12:08:44 | 0.061                     |
| 15309      | 09/25/2008 | 12:08:45 | 0.057                     |
| 15310      | 09/25/2008 | 12:08:46 | 0.054                     |
| 15311      | 09/25/2008 | 12:08:47 | 0.078                     |
| 15312      | 09/25/2008 | 12:08:48 | 0.052                     |
| 15313      | 09/25/2008 | 12:08:49 | 0.118                     |
| 15314      | 09/25/2008 | 12:08:50 | 0.052                     |
| 15315      | 09/25/2008 | 12:08:51 | 0.050                     |
| 15316      | 09/25/2008 | 12:08:52 | 0.054                     |
| 15317      | 09/25/2008 | 12:08:53 | 0.053                     |
| 15318      | 09/25/2008 | 12:08:54 | 0.056                     |
| 15319      | 09/25/2008 | 12:08:55 | 0.116                     |
| 15320      | 09/25/2008 | 12:08:56 | 0.090                     |
| 15321      | 09/25/2008 | 12:08:57 | 0.057                     |
| 15322      | 09/25/2008 | 12:08:58 | 0.077                     |
| 15323      | 09/25/2008 | 12:08:59 | 0.080                     |
| 15324      | 09/25/2008 | 12:09:00 | 0.053                     |
| 15325      | 09/25/2008 | 12:09:01 | 0.064                     |
| 15326      | 09/25/2008 | 12:09:02 | 0.062                     |
| 15327      | 09/25/2008 | 12:09:03 | 0.069                     |
| 15328      | 09/25/2008 | 12:09:04 | 0.054                     |
| 15329      | 09/25/2008 | 12:09:05 | 0.053                     |
| 15330      | 09/25/2008 | 12:09:06 | 0.053                     |
| 15331      | 09/25/2008 | 12:09:07 | 0.054                     |
| 15332      | 09/25/2008 | 12:09:08 | 0.056                     |
| 15333      | 09/25/2008 | 12:09:09 | 0.063                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 15334      | 09/25/2008 | 12:09:10 | 0.052                     |
| 15335      | 09/25/2008 | 12:09:11 | 0.103                     |
| 15336      | 09/25/2008 | 12:09:12 | 0.071                     |
| 15337      | 09/25/2008 | 12:09:13 | 0.056                     |
| 15338      | 09/25/2008 | 12:09:14 | 0.057                     |
| 15339      | 09/25/2008 | 12:09:15 | 0.072                     |
| 15340      | 09/25/2008 | 12:09:16 | 0.050                     |
| 15341      | 09/25/2008 | 12:09:17 | 0.049                     |
| 15342      | 09/25/2008 | 12:09:18 | 0.053                     |
| 15343      | 09/25/2008 | 12:09:19 | 0.050                     |
| 15344      | 09/25/2008 | 12:09:20 | 0.052                     |
| 15345      | 09/25/2008 | 12:09:21 | 0.060                     |
| 15346      | 09/25/2008 | 12:09:22 | 0.053                     |
| 15347      | 09/25/2008 | 12:09:23 | 0.050                     |
| 15348      | 09/25/2008 | 12:09:24 | 0.049                     |
| 15349      | 09/25/2008 | 12:09:25 | 0.065                     |
| 15350      | 09/25/2008 | 12:09:26 | 0.050                     |
| 15351      | 09/25/2008 | 12:09:27 | 0.056                     |
| 15352      | 09/25/2008 | 12:09:28 | 0.050                     |
| 15353      | 09/25/2008 | 12:09:29 | 0.089                     |
| 15354      | 09/25/2008 | 12:09:30 | 0.147                     |
| 15355      | 09/25/2008 | 12:09:31 | 0.083                     |
| 15356      | 09/25/2008 | 12:09:32 | 0.069                     |
| 15357      | 09/25/2008 | 12:09:33 | 0.070                     |
| 15358      | 09/25/2008 | 12:09:34 | 0.075                     |
| 15359      | 09/25/2008 | 12:09:35 | 0.082                     |
| 15360      | 09/25/2008 | 12:09:36 | 0.062                     |
| 15361      | 09/25/2008 | 12:09:37 | 0.071                     |
| 15362      | 09/25/2008 | 12:09:38 | 0.054                     |
| 15363      | 09/25/2008 | 12:09:39 | 0.061                     |
| 15364      | 09/25/2008 | 12:09:40 | 0.057                     |
| 15365      | 09/25/2008 | 12:09:41 | 0.052                     |
| 15366      | 09/25/2008 | 12:09:42 | 0.060                     |
| 15367      | 09/25/2008 | 12:09:43 | 0.056                     |
| 15368      | 09/25/2008 | 12:09:44 | 0.055                     |
| 15369      | 09/25/2008 | 12:09:45 | 0.057                     |
| 15370      | 09/25/2008 | 12:09:46 | 0.054                     |
| 15371      | 09/25/2008 | 12:09:47 | 0.065                     |
| 15372      | 09/25/2008 | 12:09:48 | 0.057                     |
| 15373      | 09/25/2008 | 12:09:49 | 0.049                     |
| 15374      | 09/25/2008 | 12:09:50 | 0.052                     |
| 15375      | 09/25/2008 | 12:09:51 | 0.054                     |
| 15376      | 09/25/2008 | 12:09:52 | 0.055                     |
| 15377      | 09/25/2008 | 12:09:53 | 0.066                     |
| 15378      | 09/25/2008 | 12:09:54 | 0.059                     |
| 15379      | 09/25/2008 | 12:09:55 | 0.055                     |
| 15380      | 09/25/2008 | 12:09:56 | 0.054                     |
| 15381      | 09/25/2008 | 12:09:57 | 0.059                     |
| 15382      | 09/25/2008 | 12:09:58 | 0.053                     |
| 15383      | 09/25/2008 | 12:09:59 | 0.054                     |
| 15384      | 09/25/2008 | 12:10:00 | 0.056                     |
| 15385      | 09/25/2008 | 12:10:01 | 0.052                     |
| 15386      | 09/25/2008 | 12:10:02 | 0.051                     |
| 15387      | 09/25/2008 | 12:10:03 | 0.052                     |
| 15388      | 09/25/2008 | 12:10:04 | 0.055                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 15389      | 09/25/2008 | 12:10:05 | 0.058                     |
| 15390      | 09/25/2008 | 12:10:06 | 0.140                     |
| 15391      | 09/25/2008 | 12:10:07 | 0.746                     |
| 15392      | 09/25/2008 | 12:10:08 | 0.259                     |
| 15393      | 09/25/2008 | 12:10:09 | 0.127                     |
| 15394      | 09/25/2008 | 12:10:10 | 0.070                     |
| 15395      | 09/25/2008 | 12:10:11 | 0.074                     |
| 15396      | 09/25/2008 | 12:10:12 | 0.071                     |
| 15397      | 09/25/2008 | 12:10:13 | 0.075                     |
| 15398      | 09/25/2008 | 12:10:14 | 0.072                     |
| 15399      | 09/25/2008 | 12:10:15 | 0.076                     |
| 15400      | 09/25/2008 | 12:10:16 | 0.079                     |
| 15401      | 09/25/2008 | 12:10:17 | 0.069                     |
| 15402      | 09/25/2008 | 12:10:18 | 0.068                     |
| 15403      | 09/25/2008 | 12:10:19 | 0.056                     |
| 15404      | 09/25/2008 | 12:10:20 | 0.057                     |
| 15405      | 09/25/2008 | 12:10:21 | 0.061                     |
| 15406      | 09/25/2008 | 12:10:22 | 0.056                     |
| 15407      | 09/25/2008 | 12:10:23 | 0.058                     |
| 15408      | 09/25/2008 | 12:10:24 | 0.062                     |
| 15409      | 09/25/2008 | 12:10:25 | 0.059                     |
| 15410      | 09/25/2008 | 12:10:26 | 0.063                     |
| 15411      | 09/25/2008 | 12:10:27 | 0.064                     |
| 15412      | 09/25/2008 | 12:10:28 | 0.072                     |
| 15413      | 09/25/2008 | 12:10:29 | 0.069                     |
| 15414      | 09/25/2008 | 12:10:30 | 0.059                     |
| 15415      | 09/25/2008 | 12:10:31 | 0.065                     |
| 15416      | 09/25/2008 | 12:10:32 | 0.066                     |
| 15417      | 09/25/2008 | 12:10:33 | 0.064                     |
| 15418      | 09/25/2008 | 12:10:34 | 0.072                     |
| 15419      | 09/25/2008 | 12:10:35 | 0.072                     |
| 15420      | 09/25/2008 | 12:10:36 | 0.052                     |
| 15421      | 09/25/2008 | 12:10:37 | 0.054                     |
| 15422      | 09/25/2008 | 12:10:38 | 0.056                     |
| 15423      | 09/25/2008 | 12:10:39 | 0.055                     |
| 15424      | 09/25/2008 | 12:10:40 | 0.056                     |
| 15425      | 09/25/2008 | 12:10:41 | 0.058                     |
| 15426      | 09/25/2008 | 12:10:42 | 0.052                     |
| 15427      | 09/25/2008 | 12:10:43 | 0.055                     |
| 15428      | 09/25/2008 | 12:10:44 | 0.055                     |
| 15429      | 09/25/2008 | 12:10:45 | 0.052                     |
| 15430      | 09/25/2008 | 12:10:46 | 0.051                     |
| 15431      | 09/25/2008 | 12:10:47 | 0.050                     |
| 15432      | 09/25/2008 | 12:10:48 | 0.056                     |
| 15433      | 09/25/2008 | 12:10:49 | 0.050                     |
| 15434      | 09/25/2008 | 12:10:50 | 0.052                     |
| 15435      | 09/25/2008 | 12:10:51 | 0.064                     |
| 15436      | 09/25/2008 | 12:10:52 | 0.053                     |
| 15437      | 09/25/2008 | 12:10:53 | 0.054                     |
| 15438      | 09/25/2008 | 12:10:54 | 0.056                     |
| 15439      | 09/25/2008 | 12:10:55 | 0.051                     |
| 15440      | 09/25/2008 | 12:10:56 | 0.056                     |
| 15441      | 09/25/2008 | 12:10:57 | 0.049                     |
| 15442      | 09/25/2008 | 12:10:58 | 0.054                     |
| 15443      | 09/25/2008 | 12:10:59 | 0.057                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 15444      | 09/25/2008 | 12:11:00 | 0.056                     |
| 15445      | 09/25/2008 | 12:11:01 | 0.053                     |
| 15446      | 09/25/2008 | 12:11:02 | 0.050                     |
| 15447      | 09/25/2008 | 12:11:03 | 0.050                     |
| 15448      | 09/25/2008 | 12:11:04 | 0.047                     |
| 15449      | 09/25/2008 | 12:11:05 | 0.052                     |
| 15450      | 09/25/2008 | 12:11:06 | 0.051                     |
| 15451      | 09/25/2008 | 12:11:07 | 0.054                     |
| 15452      | 09/25/2008 | 12:11:08 | 0.050                     |
| 15453      | 09/25/2008 | 12:11:09 | 0.063                     |
| 15454      | 09/25/2008 | 12:11:10 | 0.050                     |
| 15455      | 09/25/2008 | 12:11:11 | 0.056                     |
| 15456      | 09/25/2008 | 12:11:12 | 0.065                     |
| 15457      | 09/25/2008 | 12:11:13 | 0.052                     |
| 15458      | 09/25/2008 | 12:11:14 | 0.051                     |
| 15459      | 09/25/2008 | 12:11:15 | 0.050                     |
| 15460      | 09/25/2008 | 12:11:16 | 0.054                     |
| 15461      | 09/25/2008 | 12:11:17 | 0.052                     |
| 15462      | 09/25/2008 | 12:11:18 | 0.052                     |
| 15463      | 09/25/2008 | 12:11:19 | 0.048                     |
| 15464      | 09/25/2008 | 12:11:20 | 0.059                     |
| 15465      | 09/25/2008 | 12:11:21 | 0.046                     |
| 15466      | 09/25/2008 | 12:11:22 | 0.047                     |
| 15467      | 09/25/2008 | 12:11:23 | 0.051                     |
| 15468      | 09/25/2008 | 12:11:24 | 0.055                     |
| 15469      | 09/25/2008 | 12:11:25 | 0.053                     |
| 15470      | 09/25/2008 | 12:11:26 | 0.049                     |
| 15471      | 09/25/2008 | 12:11:27 | 0.061                     |
| 15472      | 09/25/2008 | 12:11:28 | 0.062                     |
| 15473      | 09/25/2008 | 12:11:29 | 0.055                     |
| 15474      | 09/25/2008 | 12:11:30 | 0.056                     |
| 15475      | 09/25/2008 | 12:11:31 | 0.057                     |
| 15476      | 09/25/2008 | 12:11:32 | 0.052                     |
| 15477      | 09/25/2008 | 12:11:33 | 0.049                     |
| 15478      | 09/25/2008 | 12:11:34 | 0.048                     |
| 15479      | 09/25/2008 | 12:11:35 | 0.050                     |
| 15480      | 09/25/2008 | 12:11:36 | 0.053                     |
| 15481      | 09/25/2008 | 12:11:37 | 0.053                     |
| 15482      | 09/25/2008 | 12:11:38 | 0.056                     |
| 15483      | 09/25/2008 | 12:11:39 | 0.051                     |
| 15484      | 09/25/2008 | 12:11:40 | 0.050                     |
| 15485      | 09/25/2008 | 12:11:41 | 0.051                     |
| 15486      | 09/25/2008 | 12:11:42 | 0.051                     |
| 15487      | 09/25/2008 | 12:11:43 | 0.052                     |
| 15488      | 09/25/2008 | 12:11:44 | 0.057                     |
| 15489      | 09/25/2008 | 12:11:45 | 0.052                     |
| 15490      | 09/25/2008 | 12:11:46 | 0.052                     |
| 15491      | 09/25/2008 | 12:11:47 | 0.051                     |
| 15492      | 09/25/2008 | 12:11:48 | 0.054                     |
| 15493      | 09/25/2008 | 12:11:49 | 0.061                     |
| 15494      | 09/25/2008 | 12:11:50 | 0.052                     |
| 15495      | 09/25/2008 | 12:11:51 | 0.056                     |
| 15496      | 09/25/2008 | 12:11:52 | 0.050                     |
| 15497      | 09/25/2008 | 12:11:53 | 0.050                     |
| 15498      | 09/25/2008 | 12:11:54 | 0.052                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 15499      | 09/25/2008 | 12:11:55 | 0.051                     |
| 15500      | 09/25/2008 | 12:11:56 | 0.053                     |
| 15501      | 09/25/2008 | 12:11:57 | 0.060                     |
| 15502      | 09/25/2008 | 12:11:58 | 0.050                     |
| 15503      | 09/25/2008 | 12:11:59 | 0.058                     |
| 15504      | 09/25/2008 | 12:12:00 | 0.050                     |
| 15505      | 09/25/2008 | 12:12:01 | 0.054                     |
| 15506      | 09/25/2008 | 12:12:02 | 0.048                     |
| 15507      | 09/25/2008 | 12:12:03 | 0.054                     |
| 15508      | 09/25/2008 | 12:12:04 | 0.049                     |
| 15509      | 09/25/2008 | 12:12:05 | 0.060                     |
| 15510      | 09/25/2008 | 12:12:06 | 0.054                     |
| 15511      | 09/25/2008 | 12:12:07 | 0.060                     |
| 15512      | 09/25/2008 | 12:12:08 | 0.056                     |
| 15513      | 09/25/2008 | 12:12:09 | 0.056                     |
| 15514      | 09/25/2008 | 12:12:10 | 0.057                     |
| 15515      | 09/25/2008 | 12:12:11 | 0.050                     |
| 15516      | 09/25/2008 | 12:12:12 | 0.052                     |
| 15517      | 09/25/2008 | 12:12:13 | 0.059                     |
| 15518      | 09/25/2008 | 12:12:14 | 0.048                     |
| 15519      | 09/25/2008 | 12:12:15 | 0.052                     |
| 15520      | 09/25/2008 | 12:12:16 | 0.057                     |
| 15521      | 09/25/2008 | 12:12:17 | 0.053                     |
| 15522      | 09/25/2008 | 12:12:18 | 0.070                     |
| 15523      | 09/25/2008 | 12:12:19 | 0.050                     |
| 15524      | 09/25/2008 | 12:12:20 | 0.052                     |
| 15525      | 09/25/2008 | 12:12:21 | 0.051                     |
| 15526      | 09/25/2008 | 12:12:22 | 0.064                     |
| 15527      | 09/25/2008 | 12:12:23 | 0.065                     |
| 15528      | 09/25/2008 | 12:12:24 | 0.054                     |
| 15529      | 09/25/2008 | 12:12:25 | 0.052                     |
| 15530      | 09/25/2008 | 12:12:26 | 0.054                     |
| 15531      | 09/25/2008 | 12:12:27 | 0.058                     |
| 15532      | 09/25/2008 | 12:12:28 | 0.055                     |
| 15533      | 09/25/2008 | 12:12:29 | 0.052                     |
| 15534      | 09/25/2008 | 12:12:30 | 0.048                     |
| 15535      | 09/25/2008 | 12:12:31 | 0.053                     |
| 15536      | 09/25/2008 | 12:12:32 | 0.072                     |
| 15537      | 09/25/2008 | 12:12:33 | 0.077                     |
| 15538      | 09/25/2008 | 12:12:34 | 0.050                     |
| 15539      | 09/25/2008 | 12:12:35 | 0.055                     |
| 15540      | 09/25/2008 | 12:12:36 | 0.057                     |
| 15541      | 09/25/2008 | 12:12:37 | 0.053                     |
| 15542      | 09/25/2008 | 12:12:38 | 0.054                     |
| 15543      | 09/25/2008 | 12:12:39 | 0.057                     |
| 15544      | 09/25/2008 | 12:12:40 | 0.056                     |
| 15545      | 09/25/2008 | 12:12:41 | 0.056                     |
| 15546      | 09/25/2008 | 12:12:42 | 0.054                     |
| 15547      | 09/25/2008 | 12:12:43 | 0.120                     |
| 15548      | 09/25/2008 | 12:12:44 | 0.053                     |
| 15549      | 09/25/2008 | 12:12:45 | 0.057                     |
| 15550      | 09/25/2008 | 12:12:46 | 0.053                     |
| 15551      | 09/25/2008 | 12:12:47 | 0.055                     |
| 15552      | 09/25/2008 | 12:12:48 | 0.054                     |
| 15553      | 09/25/2008 | 12:12:49 | 0.056                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 15554      | 09/25/2008 | 12:12:50 | 0.047                     |
| 15555      | 09/25/2008 | 12:12:51 | 0.053                     |
| 15556      | 09/25/2008 | 12:12:52 | 0.051                     |
| 15557      | 09/25/2008 | 12:12:53 | 0.053                     |
| 15558      | 09/25/2008 | 12:12:54 | 0.050                     |
| 15559      | 09/25/2008 | 12:12:55 | 0.050                     |
| 15560      | 09/25/2008 | 12:12:56 | 0.051                     |
| 15561      | 09/25/2008 | 12:12:57 | 0.051                     |
| 15562      | 09/25/2008 | 12:12:58 | 0.055                     |
| 15563      | 09/25/2008 | 12:12:59 | 0.055                     |
| 15564      | 09/25/2008 | 12:13:00 | 0.053                     |
| 15565      | 09/25/2008 | 12:13:01 | 0.051                     |
| 15566      | 09/25/2008 | 12:13:02 | 0.056                     |
| 15567      | 09/25/2008 | 12:13:03 | 0.054                     |
| 15568      | 09/25/2008 | 12:13:04 | 0.057                     |
| 15569      | 09/25/2008 | 12:13:05 | 0.064                     |
| 15570      | 09/25/2008 | 12:13:06 | 0.101                     |
| 15571      | 09/25/2008 | 12:13:07 | 0.136                     |
| 15572      | 09/25/2008 | 12:13:08 | 0.107                     |
| 15573      | 09/25/2008 | 12:13:09 | 0.065                     |
| 15574      | 09/25/2008 | 12:13:10 | 0.064                     |
| 15575      | 09/25/2008 | 12:13:11 | 0.068                     |
| 15576      | 09/25/2008 | 12:13:12 | 0.073                     |
| 15577      | 09/25/2008 | 12:13:13 | 0.067                     |
| 15578      | 09/25/2008 | 12:13:14 | 0.064                     |
| 15579      | 09/25/2008 | 12:13:15 | 0.080                     |
| 15580      | 09/25/2008 | 12:13:16 | 0.062                     |
| 15581      | 09/25/2008 | 12:13:17 | 0.059                     |
| 15582      | 09/25/2008 | 12:13:18 | 0.070                     |
| 15583      | 09/25/2008 | 12:13:19 | 0.063                     |
| 15584      | 09/25/2008 | 12:13:20 | 0.064                     |
| 15585      | 09/25/2008 | 12:13:21 | 0.067                     |
| 15586      | 09/25/2008 | 12:13:22 | 0.068                     |
| 15587      | 09/25/2008 | 12:13:23 | 0.070                     |
| 15588      | 09/25/2008 | 12:13:24 | 0.060                     |
| 15589      | 09/25/2008 | 12:13:25 | 0.060                     |
| 15590      | 09/25/2008 | 12:13:26 | 0.057                     |
| 15591      | 09/25/2008 | 12:13:27 | 0.058                     |
| 15592      | 09/25/2008 | 12:13:28 | 0.066                     |
| 15593      | 09/25/2008 | 12:13:29 | 0.087                     |
| 15594      | 09/25/2008 | 12:13:30 | 0.076                     |
| 15595      | 09/25/2008 | 12:13:31 | 0.085                     |
| 15596      | 09/25/2008 | 12:13:32 | 0.067                     |
| 15597      | 09/25/2008 | 12:13:33 | 0.103                     |
| 15598      | 09/25/2008 | 12:13:34 | 0.076                     |
| 15599      | 09/25/2008 | 12:13:35 | 0.074                     |
| 15600      | 09/25/2008 | 12:13:36 | 0.062                     |
| 15601      | 09/25/2008 | 12:13:37 | 0.053                     |
| 15602      | 09/25/2008 | 12:13:38 | 0.067                     |
| 15603      | 09/25/2008 | 12:13:39 | 0.070                     |
| 15604      | 09/25/2008 | 12:13:40 | 0.079                     |
| 15605      | 09/25/2008 | 12:13:41 | 0.073                     |
| 15606      | 09/25/2008 | 12:13:42 | 0.240                     |
| 15607      | 09/25/2008 | 12:13:43 | 0.085                     |
| 15608      | 09/25/2008 | 12:13:44 | 0.083                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 15609      | 09/25/2008 | 12:13:45 | 0.073                     |
| 15610      | 09/25/2008 | 12:13:46 | 0.153                     |
| 15611      | 09/25/2008 | 12:13:47 | 0.122                     |
| 15612      | 09/25/2008 | 12:13:48 | 0.110                     |
| 15613      | 09/25/2008 | 12:13:49 | 0.078                     |
| 15614      | 09/25/2008 | 12:13:50 | 0.084                     |
| 15615      | 09/25/2008 | 12:13:51 | 0.088                     |
| 15616      | 09/25/2008 | 12:13:52 | 0.089                     |
| 15617      | 09/25/2008 | 12:13:53 | 0.088                     |
| 15618      | 09/25/2008 | 12:13:54 | 0.073                     |
| 15619      | 09/25/2008 | 12:13:55 | 0.092                     |
| 15620      | 09/25/2008 | 12:13:56 | 0.106                     |
| 15621      | 09/25/2008 | 12:13:57 | 0.106                     |
| 15622      | 09/25/2008 | 12:13:58 | 0.074                     |
| 15623      | 09/25/2008 | 12:13:59 | 0.073                     |
| 15624      | 09/25/2008 | 12:14:00 | 0.069                     |
| 15625      | 09/25/2008 | 12:14:01 | 0.063                     |
| 15626      | 09/25/2008 | 12:14:02 | 0.062                     |
| 15627      | 09/25/2008 | 12:14:03 | 0.064                     |
| 15628      | 09/25/2008 | 12:14:04 | 0.065                     |
| 15629      | 09/25/2008 | 12:14:05 | 0.059                     |
| 15630      | 09/25/2008 | 12:14:06 | 0.063                     |
| 15631      | 09/25/2008 | 12:14:07 | 0.072                     |
| 15632      | 09/25/2008 | 12:14:08 | 0.062                     |
| 15633      | 09/25/2008 | 12:14:09 | 0.048                     |
| 15634      | 09/25/2008 | 12:14:10 | 0.055                     |
| 15635      | 09/25/2008 | 12:14:11 | 0.062                     |
| 15636      | 09/25/2008 | 12:14:12 | 0.058                     |
| 15637      | 09/25/2008 | 12:14:13 | 0.059                     |
| 15638      | 09/25/2008 | 12:14:14 | 0.057                     |
| 15639      | 09/25/2008 | 12:14:15 | 0.050                     |
| 15640      | 09/25/2008 | 12:14:16 | 0.053                     |
| 15641      | 09/25/2008 | 12:14:17 | 0.050                     |
| 15642      | 09/25/2008 | 12:14:18 | 0.049                     |
| 15643      | 09/25/2008 | 12:14:19 | 0.054                     |
| 15644      | 09/25/2008 | 12:14:20 | 0.053                     |
| 15645      | 09/25/2008 | 12:14:21 | 0.057                     |
| 15646      | 09/25/2008 | 12:14:22 | 0.059                     |
| 15647      | 09/25/2008 | 12:14:23 | 0.051                     |
| 15648      | 09/25/2008 | 12:14:24 | 0.061                     |
| 15649      | 09/25/2008 | 12:14:25 | 0.064                     |
| 15650      | 09/25/2008 | 12:14:26 | 0.131                     |
| 15651      | 09/25/2008 | 12:14:27 | 0.070                     |
| 15652      | 09/25/2008 | 12:14:28 | 0.057                     |
| 15653      | 09/25/2008 | 12:14:29 | 0.055                     |
| 15654      | 09/25/2008 | 12:14:30 | 0.052                     |
| 15655      | 09/25/2008 | 12:14:31 | 0.052                     |
| 15656      | 09/25/2008 | 12:14:32 | 0.053                     |
| 15657      | 09/25/2008 | 12:14:33 | 0.050                     |
| 15658      | 09/25/2008 | 12:14:34 | 0.055                     |
| 15659      | 09/25/2008 | 12:14:35 | 0.050                     |
| 15660      | 09/25/2008 | 12:14:36 | 0.055                     |
| 15661      | 09/25/2008 | 12:14:37 | 0.054                     |
| 15662      | 09/25/2008 | 12:14:38 | 0.051                     |
| 15663      | 09/25/2008 | 12:14:39 | 0.050                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 15664      | 09/25/2008 | 12:14:40 | 0.047                     |
| 15665      | 09/25/2008 | 12:14:41 | 0.052                     |
| 15666      | 09/25/2008 | 12:14:42 | 0.052                     |
| 15667      | 09/25/2008 | 12:14:43 | 0.051                     |
| 15668      | 09/25/2008 | 12:14:44 | 0.048                     |
| 15669      | 09/25/2008 | 12:14:45 | 0.053                     |
| 15670      | 09/25/2008 | 12:14:46 | 0.053                     |
| 15671      | 09/25/2008 | 12:14:47 | 0.050                     |
| 15672      | 09/25/2008 | 12:14:48 | 0.055                     |
| 15673      | 09/25/2008 | 12:14:49 | 0.048                     |
| 15674      | 09/25/2008 | 12:14:50 | 0.055                     |
| 15675      | 09/25/2008 | 12:14:51 | 0.051                     |
| 15676      | 09/25/2008 | 12:14:52 | 0.054                     |
| 15677      | 09/25/2008 | 12:14:53 | 0.070                     |
| 15678      | 09/25/2008 | 12:14:54 | 0.047                     |
| 15679      | 09/25/2008 | 12:14:55 | 0.050                     |
| 15680      | 09/25/2008 | 12:14:56 | 0.104                     |
| 15681      | 09/25/2008 | 12:14:57 | 0.057                     |
| 15682      | 09/25/2008 | 12:14:58 | 0.053                     |
| 15683      | 09/25/2008 | 12:14:59 | 0.056                     |
| 15684      | 09/25/2008 | 12:15:00 | 0.088                     |
| 15685      | 09/25/2008 | 12:15:01 | 0.053                     |
| 15686      | 09/25/2008 | 12:15:02 | 0.049                     |
| 15687      | 09/25/2008 | 12:15:03 | 0.063                     |
| 15688      | 09/25/2008 | 12:15:04 | 0.050                     |
| 15689      | 09/25/2008 | 12:15:05 | 0.053                     |
| 15690      | 09/25/2008 | 12:15:06 | 0.062                     |
| 15691      | 09/25/2008 | 12:15:07 | 0.048                     |
| 15692      | 09/25/2008 | 12:15:08 | 0.057                     |
| 15693      | 09/25/2008 | 12:15:09 | 0.054                     |
| 15694      | 09/25/2008 | 12:15:10 | 0.052                     |
| 15695      | 09/25/2008 | 12:15:11 | 0.060                     |
| 15696      | 09/25/2008 | 12:15:12 | 0.050                     |
| 15697      | 09/25/2008 | 12:15:13 | 0.052                     |
| 15698      | 09/25/2008 | 12:15:14 | 0.060                     |
| 15699      | 09/25/2008 | 12:15:15 | 0.049                     |
| 15700      | 09/25/2008 | 12:15:16 | 0.050                     |
| 15701      | 09/25/2008 | 12:15:17 | 0.049                     |
| 15702      | 09/25/2008 | 12:15:18 | 0.049                     |
| 15703      | 09/25/2008 | 12:15:19 | 0.053                     |
| 15704      | 09/25/2008 | 12:15:20 | 0.059                     |
| 15705      | 09/25/2008 | 12:15:21 | 0.052                     |
| 15706      | 09/25/2008 | 12:15:22 | 0.070                     |
| 15707      | 09/25/2008 | 12:15:23 | 0.100                     |
| 15708      | 09/25/2008 | 12:15:24 | 0.053                     |
| 15709      | 09/25/2008 | 12:15:25 | 0.118                     |
| 15710      | 09/25/2008 | 12:15:26 | 0.052                     |
| 15711      | 09/25/2008 | 12:15:27 | 0.054                     |
| 15712      | 09/25/2008 | 12:15:28 | 0.058                     |
| 15713      | 09/25/2008 | 12:15:29 | 0.051                     |
| 15714      | 09/25/2008 | 12:15:30 | 0.052                     |
| 15715      | 09/25/2008 | 12:15:31 | 0.049                     |
| 15716      | 09/25/2008 | 12:15:32 | 0.056                     |
| 15717      | 09/25/2008 | 12:15:33 | 0.049                     |
| 15718      | 09/25/2008 | 12:15:34 | 0.048                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 15719      | 09/25/2008 | 12:15:35 | 0.051                     |
| 15720      | 09/25/2008 | 12:15:36 | 0.053                     |
| 15721      | 09/25/2008 | 12:15:37 | 0.050                     |
| 15722      | 09/25/2008 | 12:15:38 | 0.049                     |
| 15723      | 09/25/2008 | 12:15:39 | 0.056                     |
| 15724      | 09/25/2008 | 12:15:40 | 0.056                     |
| 15725      | 09/25/2008 | 12:15:41 | 0.052                     |
| 15726      | 09/25/2008 | 12:15:42 | 0.053                     |
| 15727      | 09/25/2008 | 12:15:43 | 0.053                     |
| 15728      | 09/25/2008 | 12:15:44 | 0.055                     |
| 15729      | 09/25/2008 | 12:15:45 | 0.056                     |
| 15730      | 09/25/2008 | 12:15:46 | 0.059                     |
| 15731      | 09/25/2008 | 12:15:47 | 0.074                     |
| 15732      | 09/25/2008 | 12:15:48 | 0.051                     |
| 15733      | 09/25/2008 | 12:15:49 | 0.051                     |
| 15734      | 09/25/2008 | 12:15:50 | 0.051                     |
| 15735      | 09/25/2008 | 12:15:51 | 0.050                     |
| 15736      | 09/25/2008 | 12:15:52 | 0.051                     |
| 15737      | 09/25/2008 | 12:15:53 | 0.056                     |
| 15738      | 09/25/2008 | 12:15:54 | 0.072                     |
| 15739      | 09/25/2008 | 12:15:55 | 0.115                     |
| 15740      | 09/25/2008 | 12:15:56 | 0.158                     |
| 15741      | 09/25/2008 | 12:15:57 | 0.265                     |
| 15742      | 09/25/2008 | 12:15:58 | 0.119                     |
| 15743      | 09/25/2008 | 12:15:59 | 0.091                     |
| 15744      | 09/25/2008 | 12:16:00 | 0.107                     |
| 15745      | 09/25/2008 | 12:16:01 | 0.078                     |
| 15746      | 09/25/2008 | 12:16:02 | 0.073                     |
| 15747      | 09/25/2008 | 12:16:03 | 0.066                     |
| 15748      | 09/25/2008 | 12:16:04 | 0.076                     |
| 15749      | 09/25/2008 | 12:16:05 | 0.056                     |
| 15750      | 09/25/2008 | 12:16:06 | 0.070                     |
| 15751      | 09/25/2008 | 12:16:07 | 0.087                     |
| 15752      | 09/25/2008 | 12:16:08 | 0.061                     |
| 15753      | 09/25/2008 | 12:16:09 | 0.053                     |
| 15754      | 09/25/2008 | 12:16:10 | 0.055                     |
| 15755      | 09/25/2008 | 12:16:11 | 0.063                     |
| 15756      | 09/25/2008 | 12:16:12 | 0.069                     |
| 15757      | 09/25/2008 | 12:16:13 | 0.054                     |
| 15758      | 09/25/2008 | 12:16:14 | 0.052                     |
| 15759      | 09/25/2008 | 12:16:15 | 0.062                     |
| 15760      | 09/25/2008 | 12:16:16 | 0.060                     |
| 15761      | 09/25/2008 | 12:16:17 | 0.055                     |
| 15762      | 09/25/2008 | 12:16:18 | 0.070                     |
| 15763      | 09/25/2008 | 12:16:19 | 0.077                     |
| 15764      | 09/25/2008 | 12:16:20 | 0.051                     |
| 15765      | 09/25/2008 | 12:16:21 | 0.053                     |
| 15766      | 09/25/2008 | 12:16:22 | 0.062                     |
| 15767      | 09/25/2008 | 12:16:23 | 0.056                     |
| 15768      | 09/25/2008 | 12:16:24 | 0.052                     |
| 15769      | 09/25/2008 | 12:16:25 | 0.064                     |
| 15770      | 09/25/2008 | 12:16:26 | 0.120                     |
| 15771      | 09/25/2008 | 12:16:27 | 0.051                     |
| 15772      | 09/25/2008 | 12:16:28 | 0.056                     |
| 15773      | 09/25/2008 | 12:16:29 | 0.057                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 15774      | 09/25/2008 | 12:16:30 | 0.050                     |
| 15775      | 09/25/2008 | 12:16:31 | 0.062                     |
| 15776      | 09/25/2008 | 12:16:32 | 0.079                     |
| 15777      | 09/25/2008 | 12:16:33 | 0.053                     |
| 15778      | 09/25/2008 | 12:16:34 | 0.053                     |
| 15779      | 09/25/2008 | 12:16:35 | 0.063                     |
| 15780      | 09/25/2008 | 12:16:36 | 0.051                     |
| 15781      | 09/25/2008 | 12:16:37 | 0.056                     |
| 15782      | 09/25/2008 | 12:16:38 | 0.051                     |
| 15783      | 09/25/2008 | 12:16:39 | 0.057                     |
| 15784      | 09/25/2008 | 12:16:40 | 0.049                     |
| 15785      | 09/25/2008 | 12:16:41 | 0.053                     |
| 15786      | 09/25/2008 | 12:16:42 | 0.051                     |
| 15787      | 09/25/2008 | 12:16:43 | 0.051                     |
| 15788      | 09/25/2008 | 12:16:44 | 0.055                     |
| 15789      | 09/25/2008 | 12:16:45 | 0.073                     |
| 15790      | 09/25/2008 | 12:16:46 | 0.048                     |
| 15791      | 09/25/2008 | 12:16:47 | 0.052                     |
| 15792      | 09/25/2008 | 12:16:48 | 0.053                     |
| 15793      | 09/25/2008 | 12:16:49 | 0.052                     |
| 15794      | 09/25/2008 | 12:16:50 | 0.139                     |
| 15795      | 09/25/2008 | 12:16:51 | 0.049                     |
| 15796      | 09/25/2008 | 12:16:52 | 0.071                     |
| 15797      | 09/25/2008 | 12:16:53 | 0.068                     |
| 15798      | 09/25/2008 | 12:16:54 | 0.080                     |
| 15799      | 09/25/2008 | 12:16:55 | 0.076                     |
| 15800      | 09/25/2008 | 12:16:56 | 0.051                     |
| 15801      | 09/25/2008 | 12:16:57 | 0.049                     |
| 15802      | 09/25/2008 | 12:16:58 | 0.054                     |
| 15803      | 09/25/2008 | 12:16:59 | 0.057                     |
| 15804      | 09/25/2008 | 12:17:00 | 0.054                     |
| 15805      | 09/25/2008 | 12:17:01 | 0.055                     |
| 15806      | 09/25/2008 | 12:17:02 | 0.059                     |
| 15807      | 09/25/2008 | 12:17:03 | 0.052                     |
| 15808      | 09/25/2008 | 12:17:04 | 0.054                     |
| 15809      | 09/25/2008 | 12:17:05 | 0.054                     |
| 15810      | 09/25/2008 | 12:17:06 | 0.058                     |
| 15811      | 09/25/2008 | 12:17:07 | 0.060                     |
| 15812      | 09/25/2008 | 12:17:08 | 0.108                     |
| 15813      | 09/25/2008 | 12:17:09 | 0.108                     |
| 15814      | 09/25/2008 | 12:17:10 | 0.078                     |
| 15815      | 09/25/2008 | 12:17:11 | 0.077                     |
| 15816      | 09/25/2008 | 12:17:12 | 0.217                     |
| 15817      | 09/25/2008 | 12:17:13 | 0.097                     |
| 15818      | 09/25/2008 | 12:17:14 | 0.084                     |
| 15819      | 09/25/2008 | 12:17:15 | 0.074                     |
| 15820      | 09/25/2008 | 12:17:16 | 0.065                     |
| 15821      | 09/25/2008 | 12:17:17 | 0.061                     |
| 15822      | 09/25/2008 | 12:17:18 | 0.066                     |
| 15823      | 09/25/2008 | 12:17:19 | 0.065                     |
| 15824      | 09/25/2008 | 12:17:20 | 0.072                     |
| 15825      | 09/25/2008 | 12:17:21 | 0.066                     |
| 15826      | 09/25/2008 | 12:17:22 | 0.073                     |
| 15827      | 09/25/2008 | 12:17:23 | 0.059                     |
| 15828      | 09/25/2008 | 12:17:24 | 0.066                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 15829      | 09/25/2008 | 12:17:25 | 0.064                     |
| 15830      | 09/25/2008 | 12:17:26 | 0.069                     |
| 15831      | 09/25/2008 | 12:17:27 | 0.081                     |
| 15832      | 09/25/2008 | 12:17:28 | 0.073                     |
| 15833      | 09/25/2008 | 12:17:29 | 0.089                     |
| 15834      | 09/25/2008 | 12:17:30 | 0.121                     |
| 15835      | 09/25/2008 | 12:17:31 | 0.096                     |
| 15836      | 09/25/2008 | 12:17:32 | 0.074                     |
| 15837      | 09/25/2008 | 12:17:33 | 0.065                     |
| 15838      | 09/25/2008 | 12:17:34 | 0.062                     |
| 15839      | 09/25/2008 | 12:17:35 | 0.061                     |
| 15840      | 09/25/2008 | 12:17:36 | 0.056                     |
| 15841      | 09/25/2008 | 12:17:37 | 0.062                     |
| 15842      | 09/25/2008 | 12:17:38 | 0.077                     |
| 15843      | 09/25/2008 | 12:17:39 | 0.062                     |
| 15844      | 09/25/2008 | 12:17:40 | 0.086                     |
| 15845      | 09/25/2008 | 12:17:41 | 0.057                     |
| 15846      | 09/25/2008 | 12:17:42 | 0.065                     |
| 15847      | 09/25/2008 | 12:17:43 | 0.067                     |
| 15848      | 09/25/2008 | 12:17:44 | 0.076                     |
| 15849      | 09/25/2008 | 12:17:45 | 0.074                     |
| 15850      | 09/25/2008 | 12:17:46 | 0.066                     |
| 15851      | 09/25/2008 | 12:17:47 | 0.069                     |
| 15852      | 09/25/2008 | 12:17:48 | 0.072                     |
| 15853      | 09/25/2008 | 12:17:49 | 0.125                     |
| 15854      | 09/25/2008 | 12:17:50 | 0.124                     |
| 15855      | 09/25/2008 | 12:17:51 | 0.096                     |
| 15856      | 09/25/2008 | 12:17:52 | 0.086                     |
| 15857      | 09/25/2008 | 12:17:53 | 0.098                     |
| 15858      | 09/25/2008 | 12:17:54 | 0.081                     |
| 15859      | 09/25/2008 | 12:17:55 | 0.112                     |
| 15860      | 09/25/2008 | 12:17:56 | 0.092                     |
| 15861      | 09/25/2008 | 12:17:57 | 0.147                     |
| 15862      | 09/25/2008 | 12:17:58 | 0.127                     |
| 15863      | 09/25/2008 | 12:17:59 | 0.101                     |
| 15864      | 09/25/2008 | 12:18:00 | 0.086                     |
| 15865      | 09/25/2008 | 12:18:01 | 0.108                     |
| 15866      | 09/25/2008 | 12:18:02 | 0.129                     |
| 15867      | 09/25/2008 | 12:18:03 | 0.091                     |
| 15868      | 09/25/2008 | 12:18:04 | 0.071                     |
| 15869      | 09/25/2008 | 12:18:05 | 0.076                     |
| 15870      | 09/25/2008 | 12:18:06 | 0.098                     |
| 15871      | 09/25/2008 | 12:18:07 | 0.076                     |
| 15872      | 09/25/2008 | 12:18:08 | 0.092                     |
| 15873      | 09/25/2008 | 12:18:09 | 0.069                     |
| 15874      | 09/25/2008 | 12:18:10 | 0.071                     |
| 15875      | 09/25/2008 | 12:18:11 | 0.075                     |
| 15876      | 09/25/2008 | 12:18:12 | 0.063                     |
| 15877      | 09/25/2008 | 12:18:13 | 0.076                     |
| 15878      | 09/25/2008 | 12:18:14 | 0.062                     |
| 15879      | 09/25/2008 | 12:18:15 | 0.073                     |
| 15880      | 09/25/2008 | 12:18:16 | 0.057                     |
| 15881      | 09/25/2008 | 12:18:17 | 0.057                     |
| 15882      | 09/25/2008 | 12:18:18 | 0.055                     |
| 15883      | 09/25/2008 | 12:18:19 | 0.059                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 15884      | 09/25/2008 | 12:18:20 | 0.064                     |
| 15885      | 09/25/2008 | 12:18:21 | 0.063                     |
| 15886      | 09/25/2008 | 12:18:22 | 0.068                     |
| 15887      | 09/25/2008 | 12:18:23 | 0.070                     |
| 15888      | 09/25/2008 | 12:18:24 | 0.062                     |
| 15889      | 09/25/2008 | 12:18:25 | 0.060                     |
| 15890      | 09/25/2008 | 12:18:26 | 0.068                     |
| 15891      | 09/25/2008 | 12:18:27 | 0.062                     |
| 15892      | 09/25/2008 | 12:18:28 | 0.081                     |
| 15893      | 09/25/2008 | 12:18:29 | 0.065                     |
| 15894      | 09/25/2008 | 12:18:30 | 0.067                     |
| 15895      | 09/25/2008 | 12:18:31 | 0.054                     |
| 15896      | 09/25/2008 | 12:18:32 | 0.084                     |
| 15897      | 09/25/2008 | 12:18:33 | 0.056                     |
| 15898      | 09/25/2008 | 12:18:34 | 0.059                     |
| 15899      | 09/25/2008 | 12:18:35 | 0.059                     |
| 15900      | 09/25/2008 | 12:18:36 | 0.053                     |
| 15901      | 09/25/2008 | 12:18:37 | 0.066                     |
| 15902      | 09/25/2008 | 12:18:38 | 0.066                     |
| 15903      | 09/25/2008 | 12:18:39 | 0.059                     |
| 15904      | 09/25/2008 | 12:18:40 | 0.065                     |
| 15905      | 09/25/2008 | 12:18:41 | 0.059                     |
| 15906      | 09/25/2008 | 12:18:42 | 0.086                     |
| 15907      | 09/25/2008 | 12:18:43 | 0.082                     |
| 15908      | 09/25/2008 | 12:18:44 | 0.108                     |
| 15909      | 09/25/2008 | 12:18:45 | 0.066                     |
| 15910      | 09/25/2008 | 12:18:46 | 0.053                     |
| 15911      | 09/25/2008 | 12:18:47 | 0.067                     |
| 15912      | 09/25/2008 | 12:18:48 | 0.059                     |
| 15913      | 09/25/2008 | 12:18:49 | 0.094                     |
| 15914      | 09/25/2008 | 12:18:50 | 0.061                     |
| 15915      | 09/25/2008 | 12:18:51 | 0.055                     |
| 15916      | 09/25/2008 | 12:18:52 | 0.053                     |
| 15917      | 09/25/2008 | 12:18:53 | 0.051                     |
| 15918      | 09/25/2008 | 12:18:54 | 0.055                     |
| 15919      | 09/25/2008 | 12:18:55 | 0.056                     |
| 15920      | 09/25/2008 | 12:18:56 | 0.052                     |
| 15921      | 09/25/2008 | 12:18:57 | 0.052                     |
| 15922      | 09/25/2008 | 12:18:58 | 0.049                     |
| 15923      | 09/25/2008 | 12:18:59 | 0.052                     |
| 15924      | 09/25/2008 | 12:19:00 | 0.048                     |
| 15925      | 09/25/2008 | 12:19:01 | 0.054                     |
| 15926      | 09/25/2008 | 12:19:02 | 0.056                     |
| 15927      | 09/25/2008 | 12:19:03 | 0.052                     |
| 15928      | 09/25/2008 | 12:19:04 | 0.052                     |
| 15929      | 09/25/2008 | 12:19:05 | 0.051                     |
| 15930      | 09/25/2008 | 12:19:06 | 0.056                     |
| 15931      | 09/25/2008 | 12:19:07 | 0.066                     |
| 15932      | 09/25/2008 | 12:19:08 | 0.061                     |
| 15933      | 09/25/2008 | 12:19:09 | 0.068                     |
| 15934      | 09/25/2008 | 12:19:10 | 0.066                     |
| 15935      | 09/25/2008 | 12:19:11 | 0.060                     |
| 15936      | 09/25/2008 | 12:19:12 | 0.055                     |
| 15937      | 09/25/2008 | 12:19:13 | 0.056                     |
| 15938      | 09/25/2008 | 12:19:14 | 0.073                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 15939      | 09/25/2008 | 12:19:15 | 0.085                     |
| 15940      | 09/25/2008 | 12:19:16 | 0.064                     |
| 15941      | 09/25/2008 | 12:19:17 | 0.055                     |
| 15942      | 09/25/2008 | 12:19:18 | 0.060                     |
| 15943      | 09/25/2008 | 12:19:19 | 0.052                     |
| 15944      | 09/25/2008 | 12:19:20 | 0.085                     |
| 15945      | 09/25/2008 | 12:19:21 | 0.080                     |
| 15946      | 09/25/2008 | 12:19:22 | 0.108                     |
| 15947      | 09/25/2008 | 12:19:23 | 0.086                     |
| 15948      | 09/25/2008 | 12:19:24 | 0.066                     |
| 15949      | 09/25/2008 | 12:19:25 | 0.060                     |
| 15950      | 09/25/2008 | 12:19:26 | 0.097                     |
| 15951      | 09/25/2008 | 12:19:27 | 0.064                     |
| 15952      | 09/25/2008 | 12:19:28 | 0.071                     |
| 15953      | 09/25/2008 | 12:19:29 | 0.098                     |
| 15954      | 09/25/2008 | 12:19:30 | 0.102                     |
| 15955      | 09/25/2008 | 12:19:31 | 0.058                     |
| 15956      | 09/25/2008 | 12:19:32 | 0.067                     |
| 15957      | 09/25/2008 | 12:19:33 | 0.063                     |
| 15958      | 09/25/2008 | 12:19:34 | 0.098                     |
| 15959      | 09/25/2008 | 12:19:35 | 0.069                     |
| 15960      | 09/25/2008 | 12:19:36 | 0.053                     |
| 15961      | 09/25/2008 | 12:19:37 | 0.061                     |
| 15962      | 09/25/2008 | 12:19:38 | 0.056                     |
| 15963      | 09/25/2008 | 12:19:39 | 0.067                     |
| 15964      | 09/25/2008 | 12:19:40 | 0.066                     |
| 15965      | 09/25/2008 | 12:19:41 | 0.061                     |
| 15966      | 09/25/2008 | 12:19:42 | 0.050                     |
| 15967      | 09/25/2008 | 12:19:43 | 0.059                     |
| 15968      | 09/25/2008 | 12:19:44 | 0.050                     |
| 15969      | 09/25/2008 | 12:19:45 | 0.069                     |
| 15970      | 09/25/2008 | 12:19:46 | 0.061                     |
| 15971      | 09/25/2008 | 12:19:47 | 0.053                     |
| 15972      | 09/25/2008 | 12:19:48 | 0.054                     |
| 15973      | 09/25/2008 | 12:19:49 | 0.052                     |
| 15974      | 09/25/2008 | 12:19:50 | 0.063                     |
| 15975      | 09/25/2008 | 12:19:51 | 0.049                     |
| 15976      | 09/25/2008 | 12:19:52 | 0.055                     |
| 15977      | 09/25/2008 | 12:19:53 | 0.065                     |
| 15978      | 09/25/2008 | 12:19:54 | 0.055                     |
| 15979      | 09/25/2008 | 12:19:55 | 0.056                     |
| 15980      | 09/25/2008 | 12:19:56 | 0.056                     |
| 15981      | 09/25/2008 | 12:19:57 | 0.051                     |
| 15982      | 09/25/2008 | 12:19:58 | 0.049                     |
| 15983      | 09/25/2008 | 12:19:59 | 0.053                     |
| 15984      | 09/25/2008 | 12:20:00 | 0.055                     |
| 15985      | 09/25/2008 | 12:20:01 | 0.073                     |
| 15986      | 09/25/2008 | 12:20:02 | 0.058                     |
| 15987      | 09/25/2008 | 12:20:03 | 0.062                     |
| 15988      | 09/25/2008 | 12:20:04 | 0.051                     |
| 15989      | 09/25/2008 | 12:20:05 | 0.052                     |
| 15990      | 09/25/2008 | 12:20:06 | 0.050                     |
| 15991      | 09/25/2008 | 12:20:07 | 0.062                     |
| 15992      | 09/25/2008 | 12:20:08 | 0.054                     |
| 15993      | 09/25/2008 | 12:20:09 | 0.050                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 15994      | 09/25/2008 | 12:20:10 | 0.055                     |
| 15995      | 09/25/2008 | 12:20:11 | 0.053                     |
| 15996      | 09/25/2008 | 12:20:12 | 0.068                     |
| 15997      | 09/25/2008 | 12:20:13 | 0.066                     |
| 15998      | 09/25/2008 | 12:20:14 | 0.049                     |
| 15999      | 09/25/2008 | 12:20:15 | 0.052                     |
| 16000      | 09/25/2008 | 12:20:16 | 0.051                     |
| 16001      | 09/25/2008 | 12:20:17 | 0.053                     |
| 16002      | 09/25/2008 | 12:20:18 | 0.053                     |
| 16003      | 09/25/2008 | 12:20:19 | 0.049                     |
| 16004      | 09/25/2008 | 12:20:20 | 0.049                     |
| 16005      | 09/25/2008 | 12:20:21 | 0.054                     |
| 16006      | 09/25/2008 | 12:20:22 | 0.049                     |
| 16007      | 09/25/2008 | 12:20:23 | 0.057                     |
| 16008      | 09/25/2008 | 12:20:24 | 0.048                     |
| 16009      | 09/25/2008 | 12:20:25 | 0.051                     |
| 16010      | 09/25/2008 | 12:20:26 | 0.054                     |
| 16011      | 09/25/2008 | 12:20:27 | 0.061                     |
| 16012      | 09/25/2008 | 12:20:28 | 0.051                     |
| 16013      | 09/25/2008 | 12:20:29 | 0.061                     |
| 16014      | 09/25/2008 | 12:20:30 | 0.061                     |
| 16015      | 09/25/2008 | 12:20:31 | 0.059                     |
| 16016      | 09/25/2008 | 12:20:32 | 0.052                     |
| 16017      | 09/25/2008 | 12:20:33 | 0.050                     |
| 16018      | 09/25/2008 | 12:20:34 | 0.049                     |
| 16019      | 09/25/2008 | 12:20:35 | 0.050                     |
| 16020      | 09/25/2008 | 12:20:36 | 0.050                     |
| 16021      | 09/25/2008 | 12:20:37 | 0.059                     |
| 16022      | 09/25/2008 | 12:20:38 | 0.056                     |
| 16023      | 09/25/2008 | 12:20:39 | 0.059                     |
| 16024      | 09/25/2008 | 12:20:40 | 0.055                     |
| 16025      | 09/25/2008 | 12:20:41 | 0.060                     |
| 16026      | 09/25/2008 | 12:20:42 | 0.053                     |
| 16027      | 09/25/2008 | 12:20:43 | 0.069                     |
| 16028      | 09/25/2008 | 12:20:44 | 0.054                     |
| 16029      | 09/25/2008 | 12:20:45 | 0.050                     |
| 16030      | 09/25/2008 | 12:20:46 | 0.056                     |
| 16031      | 09/25/2008 | 12:20:47 | 0.058                     |
| 16032      | 09/25/2008 | 12:20:48 | 0.059                     |
| 16033      | 09/25/2008 | 12:20:49 | 0.057                     |
| 16034      | 09/25/2008 | 12:20:50 | 0.075                     |
| 16035      | 09/25/2008 | 12:20:51 | 0.105                     |
| 16036      | 09/25/2008 | 12:20:52 | 0.094                     |
| 16037      | 09/25/2008 | 12:20:53 | 0.061                     |
| 16038      | 09/25/2008 | 12:20:54 | 0.061                     |
| 16039      | 09/25/2008 | 12:20:55 | 0.060                     |
| 16040      | 09/25/2008 | 12:20:56 | 0.054                     |
| 16041      | 09/25/2008 | 12:20:57 | 0.069                     |
| 16042      | 09/25/2008 | 12:20:58 | 0.055                     |
| 16043      | 09/25/2008 | 12:20:59 | 0.063                     |
| 16044      | 09/25/2008 | 12:21:00 | 0.063                     |
| 16045      | 09/25/2008 | 12:21:01 | 0.053                     |
| 16046      | 09/25/2008 | 12:21:02 | 0.056                     |
| 16047      | 09/25/2008 | 12:21:03 | 0.061                     |
| 16048      | 09/25/2008 | 12:21:04 | 0.050                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 16049      | 09/25/2008 | 12:21:05 | 0.050                     |
| 16050      | 09/25/2008 | 12:21:06 | 0.055                     |
| 16051      | 09/25/2008 | 12:21:07 | 0.055                     |
| 16052      | 09/25/2008 | 12:21:08 | 0.053                     |
| 16053      | 09/25/2008 | 12:21:09 | 0.059                     |
| 16054      | 09/25/2008 | 12:21:10 | 0.055                     |
| 16055      | 09/25/2008 | 12:21:11 | 0.061                     |
| 16056      | 09/25/2008 | 12:21:12 | 0.052                     |
| 16057      | 09/25/2008 | 12:21:13 | 0.054                     |
| 16058      | 09/25/2008 | 12:21:14 | 0.052                     |
| 16059      | 09/25/2008 | 12:21:15 | 0.057                     |
| 16060      | 09/25/2008 | 12:21:16 | 0.065                     |
| 16061      | 09/25/2008 | 12:21:17 | 0.055                     |
| 16062      | 09/25/2008 | 12:21:18 | 0.068                     |
| 16063      | 09/25/2008 | 12:21:19 | 0.057                     |
| 16064      | 09/25/2008 | 12:21:20 | 0.057                     |
| 16065      | 09/25/2008 | 12:21:21 | 0.054                     |
| 16066      | 09/25/2008 | 12:21:22 | 0.058                     |
| 16067      | 09/25/2008 | 12:21:23 | 0.055                     |
| 16068      | 09/25/2008 | 12:21:24 | 0.054                     |
| 16069      | 09/25/2008 | 12:21:25 | 0.053                     |
| 16070      | 09/25/2008 | 12:21:26 | 0.049                     |
| 16071      | 09/25/2008 | 12:21:27 | 0.054                     |
| 16072      | 09/25/2008 | 12:21:28 | 0.050                     |
| 16073      | 09/25/2008 | 12:21:29 | 0.054                     |
| 16074      | 09/25/2008 | 12:21:30 | 0.052                     |
| 16075      | 09/25/2008 | 12:21:31 | 0.050                     |
| 16076      | 09/25/2008 | 12:21:32 | 0.055                     |
| 16077      | 09/25/2008 | 12:21:33 | 0.051                     |
| 16078      | 09/25/2008 | 12:21:34 | 0.055                     |
| 16079      | 09/25/2008 | 12:21:35 | 0.055                     |
| 16080      | 09/25/2008 | 12:21:36 | 0.088                     |
| 16081      | 09/25/2008 | 12:21:37 | 0.053                     |
| 16082      | 09/25/2008 | 12:21:38 | 0.058                     |
| 16083      | 09/25/2008 | 12:21:39 | 0.060                     |
| 16084      | 09/25/2008 | 12:21:40 | 0.056                     |
| 16085      | 09/25/2008 | 12:21:41 | 0.049                     |
| 16086      | 09/25/2008 | 12:21:42 | 0.053                     |
| 16087      | 09/25/2008 | 12:21:43 | 0.057                     |
| 16088      | 09/25/2008 | 12:21:44 | 0.064                     |
| 16089      | 09/25/2008 | 12:21:45 | 0.062                     |
| 16090      | 09/25/2008 | 12:21:46 | 0.060                     |
| 16091      | 09/25/2008 | 12:21:47 | 0.062                     |
| 16092      | 09/25/2008 | 12:21:48 | 0.059                     |
| 16093      | 09/25/2008 | 12:21:49 | 0.066                     |
| 16094      | 09/25/2008 | 12:21:50 | 0.053                     |
| 16095      | 09/25/2008 | 12:21:51 | 0.061                     |
| 16096      | 09/25/2008 | 12:21:52 | 0.059                     |
| 16097      | 09/25/2008 | 12:21:53 | 0.055                     |
| 16098      | 09/25/2008 | 12:21:54 | 0.058                     |
| 16099      | 09/25/2008 | 12:21:55 | 0.051                     |
| 16100      | 09/25/2008 | 12:21:56 | 0.054                     |
| 16101      | 09/25/2008 | 12:21:57 | 0.058                     |
| 16102      | 09/25/2008 | 12:21:58 | 0.055                     |
| 16103      | 09/25/2008 | 12:21:59 | 0.050                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 16104      | 09/25/2008 | 12:22:00 | 0.048                     |
| 16105      | 09/25/2008 | 12:22:01 | 0.054                     |
| 16106      | 09/25/2008 | 12:22:02 | 0.060                     |
| 16107      | 09/25/2008 | 12:22:03 | 0.056                     |
| 16108      | 09/25/2008 | 12:22:04 | 0.054                     |
| 16109      | 09/25/2008 | 12:22:05 | 0.082                     |
| 16110      | 09/25/2008 | 12:22:06 | 0.055                     |
| 16111      | 09/25/2008 | 12:22:07 | 0.051                     |
| 16112      | 09/25/2008 | 12:22:08 | 0.055                     |
| 16113      | 09/25/2008 | 12:22:09 | 0.051                     |
| 16114      | 09/25/2008 | 12:22:10 | 0.069                     |
| 16115      | 09/25/2008 | 12:22:11 | 0.051                     |
| 16116      | 09/25/2008 | 12:22:12 | 0.053                     |
| 16117      | 09/25/2008 | 12:22:13 | 0.062                     |
| 16118      | 09/25/2008 | 12:22:14 | 0.052                     |
| 16119      | 09/25/2008 | 12:22:15 | 0.053                     |
| 16120      | 09/25/2008 | 12:22:16 | 0.055                     |
| 16121      | 09/25/2008 | 12:22:17 | 0.052                     |
| 16122      | 09/25/2008 | 12:22:18 | 0.054                     |
| 16123      | 09/25/2008 | 12:22:19 | 0.058                     |
| 16124      | 09/25/2008 | 12:22:20 | 0.059                     |
| 16125      | 09/25/2008 | 12:22:21 | 0.054                     |
| 16126      | 09/25/2008 | 12:22:22 | 0.054                     |
| 16127      | 09/25/2008 | 12:22:23 | 0.054                     |
| 16128      | 09/25/2008 | 12:22:24 | 0.053                     |
| 16129      | 09/25/2008 | 12:22:25 | 0.049                     |
| 16130      | 09/25/2008 | 12:22:26 | 0.053                     |
| 16131      | 09/25/2008 | 12:22:27 | 0.057                     |
| 16132      | 09/25/2008 | 12:22:28 | 0.053                     |
| 16133      | 09/25/2008 | 12:22:29 | 0.054                     |
| 16134      | 09/25/2008 | 12:22:30 | 0.050                     |
| 16135      | 09/25/2008 | 12:22:31 | 0.051                     |
| 16136      | 09/25/2008 | 12:22:32 | 0.047                     |
| 16137      | 09/25/2008 | 12:22:33 | 0.052                     |
| 16138      | 09/25/2008 | 12:22:34 | 0.051                     |
| 16139      | 09/25/2008 | 12:22:35 | 0.063                     |
| 16140      | 09/25/2008 | 12:22:36 | 0.062                     |
| 16141      | 09/25/2008 | 12:22:37 | 0.058                     |
| 16142      | 09/25/2008 | 12:22:38 | 0.057                     |
| 16143      | 09/25/2008 | 12:22:39 | 0.058                     |
| 16144      | 09/25/2008 | 12:22:40 | 0.056                     |
| 16145      | 09/25/2008 | 12:22:41 | 0.056                     |
| 16146      | 09/25/2008 | 12:22:42 | 0.056                     |
| 16147      | 09/25/2008 | 12:22:43 | 0.055                     |
| 16148      | 09/25/2008 | 12:22:44 | 0.070                     |
| 16149      | 09/25/2008 | 12:22:45 | 0.052                     |
| 16150      | 09/25/2008 | 12:22:46 | 0.052                     |
| 16151      | 09/25/2008 | 12:22:47 | 0.054                     |
| 16152      | 09/25/2008 | 12:22:48 | 0.056                     |
| 16153      | 09/25/2008 | 12:22:49 | 0.060                     |
| 16154      | 09/25/2008 | 12:22:50 | 0.074                     |
| 16155      | 09/25/2008 | 12:22:51 | 0.068                     |
| 16156      | 09/25/2008 | 12:22:52 | 0.083                     |
| 16157      | 09/25/2008 | 12:22:53 | 0.073                     |
| 16158      | 09/25/2008 | 12:22:54 | 0.062                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 16159      | 09/25/2008 | 12:22:55 | 0.060                     |
| 16160      | 09/25/2008 | 12:22:56 | 0.077                     |
| 16161      | 09/25/2008 | 12:22:57 | 0.058                     |
| 16162      | 09/25/2008 | 12:22:58 | 0.057                     |
| 16163      | 09/25/2008 | 12:22:59 | 0.054                     |
| 16164      | 09/25/2008 | 12:23:00 | 0.064                     |
| 16165      | 09/25/2008 | 12:23:01 | 0.051                     |
| 16166      | 09/25/2008 | 12:23:02 | 0.060                     |
| 16167      | 09/25/2008 | 12:23:03 | 0.053                     |
| 16168      | 09/25/2008 | 12:23:04 | 0.053                     |
| 16169      | 09/25/2008 | 12:23:05 | 0.060                     |
| 16170      | 09/25/2008 | 12:23:06 | 0.054                     |
| 16171      | 09/25/2008 | 12:23:07 | 0.056                     |
| 16172      | 09/25/2008 | 12:23:08 | 0.052                     |
| 16173      | 09/25/2008 | 12:23:09 | 0.055                     |
| 16174      | 09/25/2008 | 12:23:10 | 0.056                     |
| 16175      | 09/25/2008 | 12:23:11 | 0.061                     |
| 16176      | 09/25/2008 | 12:23:12 | 0.051                     |
| 16177      | 09/25/2008 | 12:23:13 | 0.077                     |
| 16178      | 09/25/2008 | 12:23:14 | 0.061                     |
| 16179      | 09/25/2008 | 12:23:15 | 0.064                     |
| 16180      | 09/25/2008 | 12:23:16 | 0.068                     |
| 16181      | 09/25/2008 | 12:23:17 | 0.073                     |
| 16182      | 09/25/2008 | 12:23:18 | 0.070                     |
| 16183      | 09/25/2008 | 12:23:19 | 0.076                     |
| 16184      | 09/25/2008 | 12:23:20 | 0.076                     |
| 16185      | 09/25/2008 | 12:23:21 | 0.069                     |
| 16186      | 09/25/2008 | 12:23:22 | 0.064                     |
| 16187      | 09/25/2008 | 12:23:23 | 0.074                     |
| 16188      | 09/25/2008 | 12:23:24 | 0.062                     |
| 16189      | 09/25/2008 | 12:23:25 | 0.059                     |
| 16190      | 09/25/2008 | 12:23:26 | 0.069                     |
| 16191      | 09/25/2008 | 12:23:27 | 0.063                     |
| 16192      | 09/25/2008 | 12:23:28 | 0.063                     |
| 16193      | 09/25/2008 | 12:23:29 | 0.054                     |
| 16194      | 09/25/2008 | 12:23:30 | 0.052                     |
| 16195      | 09/25/2008 | 12:23:31 | 0.061                     |
| 16196      | 09/25/2008 | 12:23:32 | 0.052                     |
| 16197      | 09/25/2008 | 12:23:33 | 0.057                     |
| 16198      | 09/25/2008 | 12:23:34 | 0.052                     |
| 16199      | 09/25/2008 | 12:23:35 | 0.054                     |
| 16200      | 09/25/2008 | 12:23:36 | 0.092                     |
| 16201      | 09/25/2008 | 12:23:37 | 0.061                     |
| 16202      | 09/25/2008 | 12:23:38 | 0.056                     |
| 16203      | 09/25/2008 | 12:23:39 | 0.058                     |
| 16204      | 09/25/2008 | 12:23:40 | 0.086                     |
| 16205      | 09/25/2008 | 12:23:41 | 0.053                     |
| 16206      | 09/25/2008 | 12:23:42 | 0.056                     |
| 16207      | 09/25/2008 | 12:23:43 | 0.061                     |
| 16208      | 09/25/2008 | 12:23:44 | 0.059                     |
| 16209      | 09/25/2008 | 12:23:45 | 0.057                     |
| 16210      | 09/25/2008 | 12:23:46 | 0.074                     |
| 16211      | 09/25/2008 | 12:23:47 | 0.076                     |
| 16212      | 09/25/2008 | 12:23:48 | 0.071                     |
| 16213      | 09/25/2008 | 12:23:49 | 0.091                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 16214      | 09/25/2008 | 12:23:50 | 0.064                     |
| 16215      | 09/25/2008 | 12:23:51 | 0.056                     |
| 16216      | 09/25/2008 | 12:23:52 | 0.059                     |
| 16217      | 09/25/2008 | 12:23:53 | 0.071                     |
| 16218      | 09/25/2008 | 12:23:54 | 0.063                     |
| 16219      | 09/25/2008 | 12:23:55 | 0.062                     |
| 16220      | 09/25/2008 | 12:23:56 | 0.053                     |
| 16221      | 09/25/2008 | 12:23:57 | 0.051                     |
| 16222      | 09/25/2008 | 12:23:58 | 0.053                     |
| 16223      | 09/25/2008 | 12:23:59 | 0.054                     |
| 16224      | 09/25/2008 | 12:24:00 | 0.063                     |
| 16225      | 09/25/2008 | 12:24:01 | 0.100                     |
| 16226      | 09/25/2008 | 12:24:02 | 0.071                     |
| 16227      | 09/25/2008 | 12:24:03 | 0.058                     |
| 16228      | 09/25/2008 | 12:24:04 | 0.064                     |
| 16229      | 09/25/2008 | 12:24:05 | 0.052                     |
| 16230      | 09/25/2008 | 12:24:06 | 0.055                     |
| 16231      | 09/25/2008 | 12:24:07 | 0.069                     |
| 16232      | 09/25/2008 | 12:24:08 | 0.077                     |
| 16233      | 09/25/2008 | 12:24:09 | 0.099                     |
| 16234      | 09/25/2008 | 12:24:10 | 0.074                     |
| 16235      | 09/25/2008 | 12:24:11 | 0.058                     |
| 16236      | 09/25/2008 | 12:24:12 | 0.071                     |
| 16237      | 09/25/2008 | 12:24:13 | 0.058                     |
| 16238      | 09/25/2008 | 12:24:14 | 0.060                     |
| 16239      | 09/25/2008 | 12:24:15 | 0.053                     |
| 16240      | 09/25/2008 | 12:24:16 | 0.056                     |
| 16241      | 09/25/2008 | 12:24:17 | 0.074                     |
| 16242      | 09/25/2008 | 12:24:18 | 0.084                     |
| 16243      | 09/25/2008 | 12:24:19 | 0.083                     |
| 16244      | 09/25/2008 | 12:24:20 | 0.064                     |
| 16245      | 09/25/2008 | 12:24:21 | 0.099                     |
| 16246      | 09/25/2008 | 12:24:22 | 0.083                     |
| 16247      | 09/25/2008 | 12:24:23 | 0.065                     |
| 16248      | 09/25/2008 | 12:24:24 | 0.057                     |
| 16249      | 09/25/2008 | 12:24:25 | 0.062                     |
| 16250      | 09/25/2008 | 12:24:26 | 0.071                     |
| 16251      | 09/25/2008 | 12:24:27 | 0.172                     |
| 16252      | 09/25/2008 | 12:24:28 | 0.395                     |
| 16253      | 09/25/2008 | 12:24:29 | 0.212                     |
| 16254      | 09/25/2008 | 12:24:30 | 0.300                     |
| 16255      | 09/25/2008 | 12:24:31 | 0.322                     |
| 16256      | 09/25/2008 | 12:24:32 | 0.201                     |
| 16257      | 09/25/2008 | 12:24:33 | 0.202                     |
| 16258      | 09/25/2008 | 12:24:34 | 0.155                     |
| 16259      | 09/25/2008 | 12:24:35 | 0.113                     |
| 16260      | 09/25/2008 | 12:24:36 | 0.099                     |
| 16261      | 09/25/2008 | 12:24:37 | 0.095                     |
| 16262      | 09/25/2008 | 12:24:38 | 0.071                     |
| 16263      | 09/25/2008 | 12:24:39 | 0.064                     |
| 16264      | 09/25/2008 | 12:24:40 | 0.066                     |
| 16265      | 09/25/2008 | 12:24:41 | 0.084                     |
| 16266      | 09/25/2008 | 12:24:42 | 0.063                     |
| 16267      | 09/25/2008 | 12:24:43 | 0.062                     |
| 16268      | 09/25/2008 | 12:24:44 | 0.062                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 16269      | 09/25/2008 | 12:24:45 | 0.058                     |
| 16270      | 09/25/2008 | 12:24:46 | 0.068                     |
| 16271      | 09/25/2008 | 12:24:47 | 0.059                     |
| 16272      | 09/25/2008 | 12:24:48 | 0.060                     |
| 16273      | 09/25/2008 | 12:24:49 | 0.062                     |
| 16274      | 09/25/2008 | 12:24:50 | 0.054                     |
| 16275      | 09/25/2008 | 12:24:51 | 0.061                     |
| 16276      | 09/25/2008 | 12:24:52 | 0.056                     |
| 16277      | 09/25/2008 | 12:24:53 | 0.058                     |
| 16278      | 09/25/2008 | 12:24:54 | 0.058                     |
| 16279      | 09/25/2008 | 12:24:55 | 0.066                     |
| 16280      | 09/25/2008 | 12:24:56 | 0.064                     |
| 16281      | 09/25/2008 | 12:24:57 | 0.053                     |
| 16282      | 09/25/2008 | 12:24:58 | 0.055                     |
| 16283      | 09/25/2008 | 12:24:59 | 0.053                     |
| 16284      | 09/25/2008 | 12:25:00 | 0.056                     |
| 16285      | 09/25/2008 | 12:25:01 | 0.055                     |
| 16286      | 09/25/2008 | 12:25:02 | 0.055                     |
| 16287      | 09/25/2008 | 12:25:03 | 0.063                     |
| 16288      | 09/25/2008 | 12:25:04 | 0.055                     |
| 16289      | 09/25/2008 | 12:25:05 | 0.049                     |
| 16290      | 09/25/2008 | 12:25:06 | 0.050                     |
| 16291      | 09/25/2008 | 12:25:07 | 0.059                     |
| 16292      | 09/25/2008 | 12:25:08 | 0.052                     |
| 16293      | 09/25/2008 | 12:25:09 | 0.061                     |
| 16294      | 09/25/2008 | 12:25:10 | 0.053                     |
| 16295      | 09/25/2008 | 12:25:11 | 0.059                     |
| 16296      | 09/25/2008 | 12:25:12 | 0.055                     |
| 16297      | 09/25/2008 | 12:25:13 | 0.054                     |
| 16298      | 09/25/2008 | 12:25:14 | 0.050                     |
| 16299      | 09/25/2008 | 12:25:15 | 0.058                     |
| 16300      | 09/25/2008 | 12:25:16 | 0.050                     |
| 16301      | 09/25/2008 | 12:25:17 | 0.054                     |
| 16302      | 09/25/2008 | 12:25:18 | 0.053                     |
| 16303      | 09/25/2008 | 12:25:19 | 0.056                     |
| 16304      | 09/25/2008 | 12:25:20 | 0.055                     |
| 16305      | 09/25/2008 | 12:25:21 | 0.055                     |
| 16306      | 09/25/2008 | 12:25:22 | 0.050                     |
| 16307      | 09/25/2008 | 12:25:23 | 0.052                     |
| 16308      | 09/25/2008 | 12:25:24 | 0.049                     |
| 16309      | 09/25/2008 | 12:25:25 | 0.053                     |
| 16310      | 09/25/2008 | 12:25:26 | 0.057                     |
| 16311      | 09/25/2008 | 12:25:27 | 0.051                     |
| 16312      | 09/25/2008 | 12:25:28 | 0.071                     |
| 16313      | 09/25/2008 | 12:25:29 | 0.059                     |
| 16314      | 09/25/2008 | 12:25:30 | 0.067                     |
| 16315      | 09/25/2008 | 12:25:31 | 0.074                     |
| 16316      | 09/25/2008 | 12:25:32 | 0.056                     |
| 16317      | 09/25/2008 | 12:25:33 | 0.050                     |
| 16318      | 09/25/2008 | 12:25:34 | 0.061                     |
| 16319      | 09/25/2008 | 12:25:35 | 0.051                     |
| 16320      | 09/25/2008 | 12:25:36 | 0.061                     |
| 16321      | 09/25/2008 | 12:25:37 | 0.052                     |
| 16322      | 09/25/2008 | 12:25:38 | 0.058                     |
| 16323      | 09/25/2008 | 12:25:39 | 0.051                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 16324      | 09/25/2008 | 12:25:40 | 0.051                     |
| 16325      | 09/25/2008 | 12:25:41 | 0.065                     |
| 16326      | 09/25/2008 | 12:25:42 | 0.066                     |
| 16327      | 09/25/2008 | 12:25:43 | 0.059                     |
| 16328      | 09/25/2008 | 12:25:44 | 0.059                     |
| 16329      | 09/25/2008 | 12:25:45 | 0.055                     |
| 16330      | 09/25/2008 | 12:25:46 | 0.058                     |
| 16331      | 09/25/2008 | 12:25:47 | 0.054                     |
| 16332      | 09/25/2008 | 12:25:48 | 0.051                     |
| 16333      | 09/25/2008 | 12:25:49 | 0.055                     |
| 16334      | 09/25/2008 | 12:25:50 | 0.056                     |
| 16335      | 09/25/2008 | 12:25:51 | 0.050                     |
| 16336      | 09/25/2008 | 12:25:52 | 0.062                     |
| 16337      | 09/25/2008 | 12:25:53 | 0.062                     |
| 16338      | 09/25/2008 | 12:25:54 | 0.059                     |
| 16339      | 09/25/2008 | 12:25:55 | 0.072                     |
| 16340      | 09/25/2008 | 12:25:56 | 0.062                     |
| 16341      | 09/25/2008 | 12:25:57 | 0.063                     |
| 16342      | 09/25/2008 | 12:25:58 | 0.059                     |
| 16343      | 09/25/2008 | 12:25:59 | 0.055                     |
| 16344      | 09/25/2008 | 12:26:00 | 0.057                     |
| 16345      | 09/25/2008 | 12:26:01 | 0.066                     |
| 16346      | 09/25/2008 | 12:26:02 | 0.065                     |
| 16347      | 09/25/2008 | 12:26:03 | 0.083                     |
| 16348      | 09/25/2008 | 12:26:04 | 0.060                     |
| 16349      | 09/25/2008 | 12:26:05 | 0.060                     |
| 16350      | 09/25/2008 | 12:26:06 | 0.060                     |
| 16351      | 09/25/2008 | 12:26:07 | 0.065                     |
| 16352      | 09/25/2008 | 12:26:08 | 0.061                     |
| 16353      | 09/25/2008 | 12:26:09 | 0.059                     |
| 16354      | 09/25/2008 | 12:26:10 | 0.058                     |
| 16355      | 09/25/2008 | 12:26:11 | 0.053                     |
| 16356      | 09/25/2008 | 12:26:12 | 0.056                     |
| 16357      | 09/25/2008 | 12:26:13 | 0.061                     |
| 16358      | 09/25/2008 | 12:26:14 | 0.057                     |
| 16359      | 09/25/2008 | 12:26:15 | 0.060                     |
| 16360      | 09/25/2008 | 12:26:16 | 0.063                     |
| 16361      | 09/25/2008 | 12:26:17 | 0.067                     |
| 16362      | 09/25/2008 | 12:26:18 | 0.060                     |
| 16363      | 09/25/2008 | 12:26:19 | 0.060                     |
| 16364      | 09/25/2008 | 12:26:20 | 0.059                     |
| 16365      | 09/25/2008 | 12:26:21 | 0.055                     |
| 16366      | 09/25/2008 | 12:26:22 | 0.060                     |
| 16367      | 09/25/2008 | 12:26:23 | 0.063                     |
| 16368      | 09/25/2008 | 12:26:24 | 0.070                     |
| 16369      | 09/25/2008 | 12:26:25 | 0.060                     |
| 16370      | 09/25/2008 | 12:26:26 | 0.066                     |
| 16371      | 09/25/2008 | 12:26:27 | 0.054                     |
| 16372      | 09/25/2008 | 12:26:28 | 0.053                     |
| 16373      | 09/25/2008 | 12:26:29 | 0.112                     |
| 16374      | 09/25/2008 | 12:26:30 | 0.057                     |
| 16375      | 09/25/2008 | 12:26:31 | 0.070                     |
| 16376      | 09/25/2008 | 12:26:32 | 0.055                     |
| 16377      | 09/25/2008 | 12:26:33 | 0.053                     |
| 16378      | 09/25/2008 | 12:26:34 | 0.060                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 16379      | 09/25/2008 | 12:26:35 | 0.053                     |
| 16380      | 09/25/2008 | 12:26:36 | 0.058                     |
| 16381      | 09/25/2008 | 12:26:37 | 0.060                     |
| 16382      | 09/25/2008 | 12:26:38 | 0.091                     |
| 16383      | 09/25/2008 | 12:26:39 | 0.056                     |
| 16384      | 09/25/2008 | 12:26:40 | 0.054                     |
| 16385      | 09/25/2008 | 12:26:41 | 0.056                     |
| 16386      | 09/25/2008 | 12:26:42 | 0.054                     |
| 16387      | 09/25/2008 | 12:26:43 | 0.047                     |
| 16388      | 09/25/2008 | 12:26:44 | 0.048                     |
| 16389      | 09/25/2008 | 12:26:45 | 0.056                     |
| 16390      | 09/25/2008 | 12:26:46 | 0.057                     |
| 16391      | 09/25/2008 | 12:26:47 | 0.060                     |
| 16392      | 09/25/2008 | 12:26:48 | 0.082                     |
| 16393      | 09/25/2008 | 12:26:49 | 0.055                     |
| 16394      | 09/25/2008 | 12:26:50 | 0.052                     |
| 16395      | 09/25/2008 | 12:26:51 | 0.053                     |
| 16396      | 09/25/2008 | 12:26:52 | 0.058                     |
| 16397      | 09/25/2008 | 12:26:53 | 0.061                     |
| 16398      | 09/25/2008 | 12:26:54 | 0.060                     |
| 16399      | 09/25/2008 | 12:26:55 | 0.061                     |
| 16400      | 09/25/2008 | 12:26:56 | 0.060                     |
| 16401      | 09/25/2008 | 12:26:57 | 0.059                     |
| 16402      | 09/25/2008 | 12:26:58 | 0.080                     |
| 16403      | 09/25/2008 | 12:26:59 | 0.080                     |
| 16404      | 09/25/2008 | 12:27:00 | 0.065                     |
| 16405      | 09/25/2008 | 12:27:01 | 0.066                     |
| 16406      | 09/25/2008 | 12:27:02 | 0.063                     |
| 16407      | 09/25/2008 | 12:27:03 | 0.084                     |
| 16408      | 09/25/2008 | 12:27:04 | 0.088                     |
| 16409      | 09/25/2008 | 12:27:05 | 0.072                     |
| 16410      | 09/25/2008 | 12:27:06 | 0.071                     |
| 16411      | 09/25/2008 | 12:27:07 | 0.073                     |
| 16412      | 09/25/2008 | 12:27:08 | 0.061                     |
| 16413      | 09/25/2008 | 12:27:09 | 0.073                     |
| 16414      | 09/25/2008 | 12:27:10 | 0.064                     |
| 16415      | 09/25/2008 | 12:27:11 | 0.072                     |
| 16416      | 09/25/2008 | 12:27:12 | 0.060                     |
| 16417      | 09/25/2008 | 12:27:13 | 0.060                     |
| 16418      | 09/25/2008 | 12:27:14 | 0.057                     |
| 16419      | 09/25/2008 | 12:27:15 | 0.055                     |
| 16420      | 09/25/2008 | 12:27:16 | 0.053                     |
| 16421      | 09/25/2008 | 12:27:17 | 0.053                     |
| 16422      | 09/25/2008 | 12:27:18 | 0.054                     |
| 16423      | 09/25/2008 | 12:27:19 | 0.053                     |
| 16424      | 09/25/2008 | 12:27:20 | 0.053                     |
| 16425      | 09/25/2008 | 12:27:21 | 0.069                     |
| 16426      | 09/25/2008 | 12:27:22 | 0.058                     |
| 16427      | 09/25/2008 | 12:27:23 | 0.066                     |
| 16428      | 09/25/2008 | 12:27:24 | 0.076                     |
| 16429      | 09/25/2008 | 12:27:25 | 0.060                     |
| 16430      | 09/25/2008 | 12:27:26 | 0.074                     |
| 16431      | 09/25/2008 | 12:27:27 | 0.068                     |
| 16432      | 09/25/2008 | 12:27:28 | 0.077                     |
| 16433      | 09/25/2008 | 12:27:29 | 0.067                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 16434      | 09/25/2008 | 12:27:30 | 0.066                     |
| 16435      | 09/25/2008 | 12:27:31 | 0.070                     |
| 16436      | 09/25/2008 | 12:27:32 | 0.064                     |
| 16437      | 09/25/2008 | 12:27:33 | 0.072                     |
| 16438      | 09/25/2008 | 12:27:34 | 0.055                     |
| 16439      | 09/25/2008 | 12:27:35 | 0.074                     |
| 16440      | 09/25/2008 | 12:27:36 | 0.062                     |
| 16441      | 09/25/2008 | 12:27:37 | 0.080                     |
| 16442      | 09/25/2008 | 12:27:38 | 0.056                     |
| 16443      | 09/25/2008 | 12:27:39 | 0.054                     |
| 16444      | 09/25/2008 | 12:27:40 | 0.052                     |
| 16445      | 09/25/2008 | 12:27:41 | 0.051                     |
| 16446      | 09/25/2008 | 12:27:42 | 0.052                     |
| 16447      | 09/25/2008 | 12:27:43 | 0.053                     |
| 16448      | 09/25/2008 | 12:27:44 | 0.053                     |
| 16449      | 09/25/2008 | 12:27:45 | 0.053                     |
| 16450      | 09/25/2008 | 12:27:46 | 0.049                     |
| 16451      | 09/25/2008 | 12:27:47 | 0.054                     |
| 16452      | 09/25/2008 | 12:27:48 | 0.055                     |
| 16453      | 09/25/2008 | 12:27:49 | 0.051                     |
| 16454      | 09/25/2008 | 12:27:50 | 0.044                     |
| 16455      | 09/25/2008 | 12:27:51 | 0.050                     |
| 16456      | 09/25/2008 | 12:27:52 | 0.046                     |
| 16457      | 09/25/2008 | 12:27:53 | 0.050                     |
| 16458      | 09/25/2008 | 12:27:54 | 0.056                     |
| 16459      | 09/25/2008 | 12:27:55 | 0.049                     |
| 16460      | 09/25/2008 | 12:27:56 | 0.056                     |
| 16461      | 09/25/2008 | 12:27:57 | 0.058                     |
| 16462      | 09/25/2008 | 12:27:58 | 0.050                     |
| 16463      | 09/25/2008 | 12:27:59 | 0.054                     |
| 16464      | 09/25/2008 | 12:28:00 | 0.050                     |
| 16465      | 09/25/2008 | 12:28:01 | 0.057                     |
| 16466      | 09/25/2008 | 12:28:02 | 0.054                     |
| 16467      | 09/25/2008 | 12:28:03 | 0.051                     |
| 16468      | 09/25/2008 | 12:28:04 | 0.051                     |
| 16469      | 09/25/2008 | 12:28:05 | 0.055                     |
| 16470      | 09/25/2008 | 12:28:06 | 0.055                     |
| 16471      | 09/25/2008 | 12:28:07 | 0.065                     |
| 16472      | 09/25/2008 | 12:28:08 | 0.056                     |
| 16473      | 09/25/2008 | 12:28:09 | 0.051                     |
| 16474      | 09/25/2008 | 12:28:10 | 0.055                     |
| 16475      | 09/25/2008 | 12:28:11 | 0.053                     |
| 16476      | 09/25/2008 | 12:28:12 | 0.060                     |
| 16477      | 09/25/2008 | 12:28:13 | 0.056                     |
| 16478      | 09/25/2008 | 12:28:14 | 0.054                     |
| 16479      | 09/25/2008 | 12:28:15 | 0.050                     |
| 16480      | 09/25/2008 | 12:28:16 | 0.048                     |
| 16481      | 09/25/2008 | 12:28:17 | 0.055                     |
| 16482      | 09/25/2008 | 12:28:18 | 0.050                     |
| 16483      | 09/25/2008 | 12:28:19 | 0.053                     |
| 16484      | 09/25/2008 | 12:28:20 | 0.058                     |
| 16485      | 09/25/2008 | 12:28:21 | 0.058                     |
| 16486      | 09/25/2008 | 12:28:22 | 0.055                     |
| 16487      | 09/25/2008 | 12:28:23 | 0.054                     |
| 16488      | 09/25/2008 | 12:28:24 | 0.051                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 16489      | 09/25/2008 | 12:28:25 | 0.058                     |
| 16490      | 09/25/2008 | 12:28:26 | 0.049                     |
| 16491      | 09/25/2008 | 12:28:27 | 0.050                     |
| 16492      | 09/25/2008 | 12:28:28 | 0.054                     |
| 16493      | 09/25/2008 | 12:28:29 | 0.062                     |
| 16494      | 09/25/2008 | 12:28:30 | 0.050                     |
| 16495      | 09/25/2008 | 12:28:31 | 0.054                     |
| 16496      | 09/25/2008 | 12:28:32 | 0.062                     |
| 16497      | 09/25/2008 | 12:28:33 | 0.053                     |
| 16498      | 09/25/2008 | 12:28:34 | 0.051                     |
| 16499      | 09/25/2008 | 12:28:35 | 0.057                     |
| 16500      | 09/25/2008 | 12:28:36 | 0.050                     |
| 16501      | 09/25/2008 | 12:28:37 | 0.051                     |
| 16502      | 09/25/2008 | 12:28:38 | 0.054                     |
| 16503      | 09/25/2008 | 12:28:39 | 0.054                     |
| 16504      | 09/25/2008 | 12:28:40 | 0.058                     |
| 16505      | 09/25/2008 | 12:28:41 | 0.052                     |
| 16506      | 09/25/2008 | 12:28:42 | 0.048                     |
| 16507      | 09/25/2008 | 12:28:43 | 0.053                     |
| 16508      | 09/25/2008 | 12:28:44 | 0.051                     |
| 16509      | 09/25/2008 | 12:28:45 | 0.061                     |
| 16510      | 09/25/2008 | 12:28:46 | 0.051                     |
| 16511      | 09/25/2008 | 12:28:47 | 0.056                     |
| 16512      | 09/25/2008 | 12:28:48 | 0.048                     |
| 16513      | 09/25/2008 | 12:28:49 | 0.053                     |
| 16514      | 09/25/2008 | 12:28:50 | 0.060                     |
| 16515      | 09/25/2008 | 12:28:51 | 0.050                     |
| 16516      | 09/25/2008 | 12:28:52 | 0.056                     |
| 16517      | 09/25/2008 | 12:28:53 | 0.053                     |
| 16518      | 09/25/2008 | 12:28:54 | 0.054                     |
| 16519      | 09/25/2008 | 12:28:55 | 0.050                     |
| 16520      | 09/25/2008 | 12:28:56 | 0.050                     |
| 16521      | 09/25/2008 | 12:28:57 | 0.056                     |
| 16522      | 09/25/2008 | 12:28:58 | 0.055                     |
| 16523      | 09/25/2008 | 12:28:59 | 0.054                     |
| 16524      | 09/25/2008 | 12:29:00 | 0.052                     |
| 16525      | 09/25/2008 | 12:29:01 | 0.053                     |
| 16526      | 09/25/2008 | 12:29:02 | 0.051                     |
| 16527      | 09/25/2008 | 12:29:03 | 0.051                     |
| 16528      | 09/25/2008 | 12:29:04 | 0.052                     |
| 16529      | 09/25/2008 | 12:29:05 | 0.050                     |
| 16530      | 09/25/2008 | 12:29:06 | 0.052                     |
| 16531      | 09/25/2008 | 12:29:07 | 0.053                     |
| 16532      | 09/25/2008 | 12:29:08 | 0.051                     |
| 16533      | 09/25/2008 | 12:29:09 | 0.054                     |
| 16534      | 09/25/2008 | 12:29:10 | 0.058                     |
| 16535      | 09/25/2008 | 12:29:11 | 0.051                     |
| 16536      | 09/25/2008 | 12:29:12 | 0.054                     |
| 16537      | 09/25/2008 | 12:29:13 | 0.054                     |
| 16538      | 09/25/2008 | 12:29:14 | 0.051                     |
| 16539      | 09/25/2008 | 12:29:15 | 0.049                     |
| 16540      | 09/25/2008 | 12:29:16 | 0.055                     |
| 16541      | 09/25/2008 | 12:29:17 | 0.053                     |
| 16542      | 09/25/2008 | 12:29:18 | 0.056                     |
| 16543      | 09/25/2008 | 12:29:19 | 0.057                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 16544      | 09/25/2008 | 12:29:20 | 0.061                     |
| 16545      | 09/25/2008 | 12:29:21 | 0.060                     |
| 16546      | 09/25/2008 | 12:29:22 | 0.054                     |
| 16547      | 09/25/2008 | 12:29:23 | 0.046                     |
| 16548      | 09/25/2008 | 12:29:24 | 0.061                     |
| 16549      | 09/25/2008 | 12:29:25 | 0.056                     |
| 16550      | 09/25/2008 | 12:29:26 | 0.069                     |
| 16551      | 09/25/2008 | 12:29:27 | 0.058                     |
| 16552      | 09/25/2008 | 12:29:28 | 0.059                     |
| 16553      | 09/25/2008 | 12:29:29 | 0.074                     |
| 16554      | 09/25/2008 | 12:29:30 | 0.058                     |
| 16555      | 09/25/2008 | 12:29:31 | 0.056                     |
| 16556      | 09/25/2008 | 12:29:32 | 0.058                     |
| 16557      | 09/25/2008 | 12:29:33 | 0.050                     |
| 16558      | 09/25/2008 | 12:29:34 | 0.055                     |
| 16559      | 09/25/2008 | 12:29:35 | 0.054                     |
| 16560      | 09/25/2008 | 12:29:36 | 0.053                     |
| 16561      | 09/25/2008 | 12:29:37 | 0.056                     |
| 16562      | 09/25/2008 | 12:29:38 | 0.059                     |
| 16563      | 09/25/2008 | 12:29:39 | 0.068                     |
| 16564      | 09/25/2008 | 12:29:40 | 0.061                     |
| 16565      | 09/25/2008 | 12:29:41 | 0.091                     |
| 16566      | 09/25/2008 | 12:29:42 | 0.064                     |
| 16567      | 09/25/2008 | 12:29:43 | 0.066                     |
| 16568      | 09/25/2008 | 12:29:44 | 0.068                     |
| 16569      | 09/25/2008 | 12:29:45 | 0.056                     |
| 16570      | 09/25/2008 | 12:29:46 | 0.057                     |
| 16571      | 09/25/2008 | 12:29:47 | 0.113                     |
| 16572      | 09/25/2008 | 12:29:48 | 0.073                     |
| 16573      | 09/25/2008 | 12:29:49 | 0.072                     |
| 16574      | 09/25/2008 | 12:29:50 | 0.062                     |
| 16575      | 09/25/2008 | 12:29:51 | 0.070                     |
| 16576      | 09/25/2008 | 12:29:52 | 0.065                     |
| 16577      | 09/25/2008 | 12:29:53 | 0.065                     |
| 16578      | 09/25/2008 | 12:29:54 | 0.058                     |
| 16579      | 09/25/2008 | 12:29:55 | 0.057                     |
| 16580      | 09/25/2008 | 12:29:56 | 0.057                     |
| 16581      | 09/25/2008 | 12:29:57 | 0.058                     |
| 16582      | 09/25/2008 | 12:29:58 | 0.063                     |
| 16583      | 09/25/2008 | 12:29:59 | 0.055                     |
| 16584      | 09/25/2008 | 12:30:00 | 0.143                     |
| 16585      | 09/25/2008 | 12:30:01 | 0.255                     |
| 16586      | 09/25/2008 | 12:30:02 | 0.192                     |
| 16587      | 09/25/2008 | 12:30:03 | 0.221                     |
| 16588      | 09/25/2008 | 12:30:04 | 0.103                     |
| 16589      | 09/25/2008 | 12:30:05 | 0.180                     |
| 16590      | 09/25/2008 | 12:30:06 | 0.114                     |
| 16591      | 09/25/2008 | 12:30:07 | 0.151                     |
| 16592      | 09/25/2008 | 12:30:08 | 0.102                     |
| 16593      | 09/25/2008 | 12:30:09 | 0.086                     |
| 16594      | 09/25/2008 | 12:30:10 | 0.121                     |
| 16595      | 09/25/2008 | 12:30:11 | 0.117                     |
| 16596      | 09/25/2008 | 12:30:12 | 0.157                     |
| 16597      | 09/25/2008 | 12:30:13 | 0.281                     |
| 16598      | 09/25/2008 | 12:30:14 | 0.159                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 16599      | 09/25/2008 | 12:30:15 | 0.114                     |
| 16600      | 09/25/2008 | 12:30:16 | 0.120                     |
| 16601      | 09/25/2008 | 12:30:17 | 0.280                     |
| 16602      | 09/25/2008 | 12:30:18 | 0.192                     |
| 16603      | 09/25/2008 | 12:30:19 | 0.152                     |
| 16604      | 09/25/2008 | 12:30:20 | 0.172                     |
| 16605      | 09/25/2008 | 12:30:21 | 0.142                     |
| 16606      | 09/25/2008 | 12:30:22 | 0.149                     |
| 16607      | 09/25/2008 | 12:30:23 | 0.095                     |
| 16608      | 09/25/2008 | 12:30:24 | 0.103                     |
| 16609      | 09/25/2008 | 12:30:25 | 0.118                     |
| 16610      | 09/25/2008 | 12:30:26 | 0.130                     |
| 16611      | 09/25/2008 | 12:30:27 | 0.127                     |
| 16612      | 09/25/2008 | 12:30:28 | 0.100                     |
| 16613      | 09/25/2008 | 12:30:29 | 0.086                     |
| 16614      | 09/25/2008 | 12:30:30 | 0.098                     |
| 16615      | 09/25/2008 | 12:30:31 | 0.088                     |
| 16616      | 09/25/2008 | 12:30:32 | 0.077                     |
| 16617      | 09/25/2008 | 12:30:33 | 0.182                     |
| 16618      | 09/25/2008 | 12:30:34 | 0.191                     |
| 16619      | 09/25/2008 | 12:30:35 | 0.100                     |
| 16620      | 09/25/2008 | 12:30:36 | 0.083                     |
| 16621      | 09/25/2008 | 12:30:37 | 0.065                     |
| 16622      | 09/25/2008 | 12:30:38 | 0.078                     |
| 16623      | 09/25/2008 | 12:30:39 | 0.065                     |
| 16624      | 09/25/2008 | 12:30:40 | 0.067                     |
| 16625      | 09/25/2008 | 12:30:41 | 0.060                     |
| 16626      | 09/25/2008 | 12:30:42 | 0.061                     |
| 16627      | 09/25/2008 | 12:30:43 | 0.062                     |
| 16628      | 09/25/2008 | 12:30:44 | 0.054                     |
| 16629      | 09/25/2008 | 12:30:45 | 0.064                     |
| 16630      | 09/25/2008 | 12:30:46 | 0.064                     |
| 16631      | 09/25/2008 | 12:30:47 | 0.190                     |
| 16632      | 09/25/2008 | 12:30:48 | 0.210                     |
| 16633      | 09/25/2008 | 12:30:49 | 0.098                     |
| 16634      | 09/25/2008 | 12:30:50 | 0.080                     |
| 16635      | 09/25/2008 | 12:30:51 | 0.089                     |
| 16636      | 09/25/2008 | 12:30:52 | 0.060                     |
| 16637      | 09/25/2008 | 12:30:53 | 0.082                     |
| 16638      | 09/25/2008 | 12:30:54 | 0.074                     |
| 16639      | 09/25/2008 | 12:30:55 | 0.058                     |
| 16640      | 09/25/2008 | 12:30:56 | 0.058                     |
| 16641      | 09/25/2008 | 12:30:57 | 0.060                     |
| 16642      | 09/25/2008 | 12:30:58 | 0.068                     |
| 16643      | 09/25/2008 | 12:30:59 | 0.049                     |
| 16644      | 09/25/2008 | 12:31:00 | 0.051                     |
| 16645      | 09/25/2008 | 12:31:01 | 0.056                     |
| 16646      | 09/25/2008 | 12:31:02 | 0.057                     |
| 16647      | 09/25/2008 | 12:31:03 | 0.054                     |
| 16648      | 09/25/2008 | 12:31:04 | 0.056                     |
| 16649      | 09/25/2008 | 12:31:05 | 0.049                     |
| 16650      | 09/25/2008 | 12:31:06 | 0.062                     |
| 16651      | 09/25/2008 | 12:31:07 | 0.098                     |
| 16652      | 09/25/2008 | 12:31:08 | 0.077                     |
| 16653      | 09/25/2008 | 12:31:09 | 0.063                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 16654      | 09/25/2008 | 12:31:10 | 0.077                     |
| 16655      | 09/25/2008 | 12:31:11 | 0.167                     |
| 16656      | 09/25/2008 | 12:31:12 | 0.151                     |
| 16657      | 09/25/2008 | 12:31:13 | 0.120                     |
| 16658      | 09/25/2008 | 12:31:14 | 0.193                     |
| 16659      | 09/25/2008 | 12:31:15 | 0.063                     |
| 16660      | 09/25/2008 | 12:31:16 | 0.056                     |
| 16661      | 09/25/2008 | 12:31:17 | 0.053                     |
| 16662      | 09/25/2008 | 12:31:18 | 0.064                     |
| 16663      | 09/25/2008 | 12:31:19 | 0.071                     |
| 16664      | 09/25/2008 | 12:31:20 | 0.079                     |
| 16665      | 09/25/2008 | 12:31:21 | 0.056                     |
| 16666      | 09/25/2008 | 12:31:22 | 0.152                     |
| 16667      | 09/25/2008 | 12:31:23 | 0.052                     |
| 16668      | 09/25/2008 | 12:31:24 | 0.053                     |
| 16669      | 09/25/2008 | 12:31:25 | 0.053                     |
| 16670      | 09/25/2008 | 12:31:26 | 0.050                     |
| 16671      | 09/25/2008 | 12:31:27 | 0.047                     |
| 16672      | 09/25/2008 | 12:31:28 | 0.056                     |
| 16673      | 09/25/2008 | 12:31:29 | 0.056                     |
| 16674      | 09/25/2008 | 12:31:30 | 0.053                     |
| 16675      | 09/25/2008 | 12:31:31 | 0.062                     |
| 16676      | 09/25/2008 | 12:31:32 | 0.089                     |
| 16677      | 09/25/2008 | 12:31:33 | 0.062                     |
| 16678      | 09/25/2008 | 12:31:34 | 0.075                     |
| 16679      | 09/25/2008 | 12:31:35 | 0.080                     |
| 16680      | 09/25/2008 | 12:31:36 | 0.060                     |
| 16681      | 09/25/2008 | 12:31:37 | 0.060                     |
| 16682      | 09/25/2008 | 12:31:38 | 0.086                     |
| 16683      | 09/25/2008 | 12:31:39 | 0.058                     |
| 16684      | 09/25/2008 | 12:31:40 | 0.068                     |
| 16685      | 09/25/2008 | 12:31:41 | 0.053                     |
| 16686      | 09/25/2008 | 12:31:42 | 0.063                     |
| 16687      | 09/25/2008 | 12:31:43 | 0.073                     |
| 16688      | 09/25/2008 | 12:31:44 | 0.183                     |
| 16689      | 09/25/2008 | 12:31:45 | 0.117                     |
| 16690      | 09/25/2008 | 12:31:46 | 0.135                     |
| 16691      | 09/25/2008 | 12:31:47 | 0.186                     |
| 16692      | 09/25/2008 | 12:31:48 | 0.112                     |
| 16693      | 09/25/2008 | 12:31:49 | 0.089                     |
| 16694      | 09/25/2008 | 12:31:50 | 0.094                     |
| 16695      | 09/25/2008 | 12:31:51 | 0.083                     |
| 16696      | 09/25/2008 | 12:31:52 | 0.077                     |
| 16697      | 09/25/2008 | 12:31:53 | 0.064                     |
| 16698      | 09/25/2008 | 12:31:54 | 0.060                     |
| 16699      | 09/25/2008 | 12:31:55 | 0.054                     |
| 16700      | 09/25/2008 | 12:31:56 | 0.071                     |
| 16701      | 09/25/2008 | 12:31:57 | 0.055                     |
| 16702      | 09/25/2008 | 12:31:58 | 0.057                     |
| 16703      | 09/25/2008 | 12:31:59 | 0.063                     |
| 16704      | 09/25/2008 | 12:32:00 | 0.070                     |
| 16705      | 09/25/2008 | 12:32:01 | 0.062                     |
| 16706      | 09/25/2008 | 12:32:02 | 0.061                     |
| 16707      | 09/25/2008 | 12:32:03 | 0.057                     |
| 16708      | 09/25/2008 | 12:32:04 | 0.059                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 16709      | 09/25/2008 | 12:32:05 | 0.057                     |
| 16710      | 09/25/2008 | 12:32:06 | 0.054                     |
| 16711      | 09/25/2008 | 12:32:07 | 0.056                     |
| 16712      | 09/25/2008 | 12:32:08 | 0.053                     |
| 16713      | 09/25/2008 | 12:32:09 | 0.080                     |
| 16714      | 09/25/2008 | 12:32:10 | 0.053                     |
| 16715      | 09/25/2008 | 12:32:11 | 0.055                     |
| 16716      | 09/25/2008 | 12:32:12 | 0.053                     |
| 16717      | 09/25/2008 | 12:32:13 | 0.054                     |
| 16718      | 09/25/2008 | 12:32:14 | 0.051                     |
| 16719      | 09/25/2008 | 12:32:15 | 0.054                     |
| 16720      | 09/25/2008 | 12:32:16 | 0.060                     |
| 16721      | 09/25/2008 | 12:32:17 | 0.048                     |
| 16722      | 09/25/2008 | 12:32:18 | 0.056                     |
| 16723      | 09/25/2008 | 12:32:19 | 0.047                     |
| 16724      | 09/25/2008 | 12:32:20 | 0.054                     |
| 16725      | 09/25/2008 | 12:32:21 | 0.058                     |
| 16726      | 09/25/2008 | 12:32:22 | 0.054                     |
| 16727      | 09/25/2008 | 12:32:23 | 0.060                     |
| 16728      | 09/25/2008 | 12:32:24 | 0.053                     |
| 16729      | 09/25/2008 | 12:32:25 | 0.049                     |
| 16730      | 09/25/2008 | 12:32:26 | 0.055                     |
| 16731      | 09/25/2008 | 12:32:27 | 0.050                     |
| 16732      | 09/25/2008 | 12:32:28 | 0.048                     |
| 16733      | 09/25/2008 | 12:32:29 | 0.054                     |
| 16734      | 09/25/2008 | 12:32:30 | 0.048                     |
| 16735      | 09/25/2008 | 12:32:31 | 0.050                     |
| 16736      | 09/25/2008 | 12:32:32 | 0.052                     |
| 16737      | 09/25/2008 | 12:32:33 | 0.050                     |
| 16738      | 09/25/2008 | 12:32:34 | 0.051                     |
| 16739      | 09/25/2008 | 12:32:35 | 0.050                     |
| 16740      | 09/25/2008 | 12:32:36 | 0.054                     |
| 16741      | 09/25/2008 | 12:32:37 | 0.055                     |
| 16742      | 09/25/2008 | 12:32:38 | 0.060                     |
| 16743      | 09/25/2008 | 12:32:39 | 0.056                     |
| 16744      | 09/25/2008 | 12:32:40 | 0.053                     |
| 16745      | 09/25/2008 | 12:32:41 | 0.058                     |
| 16746      | 09/25/2008 | 12:32:42 | 0.053                     |
| 16747      | 09/25/2008 | 12:32:43 | 0.051                     |
| 16748      | 09/25/2008 | 12:32:44 | 0.049                     |
| 16749      | 09/25/2008 | 12:32:45 | 0.050                     |
| 16750      | 09/25/2008 | 12:32:46 | 0.049                     |
| 16751      | 09/25/2008 | 12:32:47 | 0.050                     |
| 16752      | 09/25/2008 | 12:32:48 | 0.053                     |
| 16753      | 09/25/2008 | 12:32:49 | 0.124                     |
| 16754      | 09/25/2008 | 12:32:50 | 0.047                     |
| 16755      | 09/25/2008 | 12:32:51 | 0.053                     |
| 16756      | 09/25/2008 | 12:32:52 | 0.048                     |
| 16757      | 09/25/2008 | 12:32:53 | 0.063                     |
| 16758      | 09/25/2008 | 12:32:54 | 0.053                     |
| 16759      | 09/25/2008 | 12:32:55 | 0.056                     |
| 16760      | 09/25/2008 | 12:32:56 | 0.052                     |
| 16761      | 09/25/2008 | 12:32:57 | 0.055                     |
| 16762      | 09/25/2008 | 12:32:58 | 0.049                     |
| 16763      | 09/25/2008 | 12:32:59 | 0.053                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 16764      | 09/25/2008 | 12:33:00 | 0.048                     |
| 16765      | 09/25/2008 | 12:33:01 | 0.060                     |
| 16766      | 09/25/2008 | 12:33:02 | 0.054                     |
| 16767      | 09/25/2008 | 12:33:03 | 0.049                     |
| 16768      | 09/25/2008 | 12:33:04 | 0.052                     |
| 16769      | 09/25/2008 | 12:33:05 | 0.059                     |
| 16770      | 09/25/2008 | 12:33:06 | 0.066                     |
| 16771      | 09/25/2008 | 12:33:07 | 0.049                     |
| 16772      | 09/25/2008 | 12:33:08 | 0.050                     |
| 16773      | 09/25/2008 | 12:33:09 | 0.047                     |
| 16774      | 09/25/2008 | 12:33:10 | 0.050                     |
| 16775      | 09/25/2008 | 12:33:11 | 0.044                     |
| 16776      | 09/25/2008 | 12:33:12 | 0.056                     |
| 16777      | 09/25/2008 | 12:33:13 | 0.056                     |
| 16778      | 09/25/2008 | 12:33:14 | 0.056                     |
| 16779      | 09/25/2008 | 12:33:15 | 0.052                     |
| 16780      | 09/25/2008 | 12:33:16 | 0.053                     |
| 16781      | 09/25/2008 | 12:33:17 | 0.051                     |
| 16782      | 09/25/2008 | 12:33:18 | 0.047                     |
| 16783      | 09/25/2008 | 12:33:19 | 0.054                     |
| 16784      | 09/25/2008 | 12:33:20 | 0.073                     |
| 16785      | 09/25/2008 | 12:33:21 | 0.055                     |
| 16786      | 09/25/2008 | 12:33:22 | 0.054                     |
| 16787      | 09/25/2008 | 12:33:23 | 0.065                     |
| 16788      | 09/25/2008 | 12:33:24 | 0.057                     |
| 16789      | 09/25/2008 | 12:33:25 | 0.048                     |
| 16790      | 09/25/2008 | 12:33:26 | 0.052                     |
| 16791      | 09/25/2008 | 12:33:27 | 0.054                     |
| 16792      | 09/25/2008 | 12:33:28 | 0.054                     |
| 16793      | 09/25/2008 | 12:33:29 | 0.067                     |
| 16794      | 09/25/2008 | 12:33:30 | 0.056                     |
| 16795      | 09/25/2008 | 12:33:31 | 0.140                     |
| 16796      | 09/25/2008 | 12:33:32 | 0.224                     |
| 16797      | 09/25/2008 | 12:33:33 | 0.175                     |
| 16798      | 09/25/2008 | 12:33:34 | 0.094                     |
| 16799      | 09/25/2008 | 12:33:35 | 0.069                     |
| 16800      | 09/25/2008 | 12:33:36 | 0.064                     |
| 16801      | 09/25/2008 | 12:33:37 | 0.086                     |
| 16802      | 09/25/2008 | 12:33:38 | 0.190                     |
| 16803      | 09/25/2008 | 12:33:39 | 0.146                     |
| 16804      | 09/25/2008 | 12:33:40 | 0.136                     |
| 16805      | 09/25/2008 | 12:33:41 | 0.102                     |
| 16806      | 09/25/2008 | 12:33:42 | 0.105                     |
| 16807      | 09/25/2008 | 12:33:43 | 0.163                     |
| 16808      | 09/25/2008 | 12:33:44 | 0.163                     |
| 16809      | 09/25/2008 | 12:33:45 | 0.125                     |
| 16810      | 09/25/2008 | 12:33:46 | 0.096                     |
| 16811      | 09/25/2008 | 12:33:47 | 0.087                     |
| 16812      | 09/25/2008 | 12:33:48 | 0.096                     |
| 16813      | 09/25/2008 | 12:33:49 | 0.098                     |
| 16814      | 09/25/2008 | 12:33:50 | 0.205                     |
| 16815      | 09/25/2008 | 12:33:51 | 0.239                     |
| 16816      | 09/25/2008 | 12:33:52 | 0.409                     |
| 16817      | 09/25/2008 | 12:33:53 | 0.476                     |
| 16818      | 09/25/2008 | 12:33:54 | 0.145                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 16819      | 09/25/2008 | 12:33:55 | 0.087                     |
| 16820      | 09/25/2008 | 12:33:56 | 0.078                     |
| 16821      | 09/25/2008 | 12:33:57 | 0.101                     |
| 16822      | 09/25/2008 | 12:33:58 | 0.096                     |
| 16823      | 09/25/2008 | 12:33:59 | 0.080                     |
| 16824      | 09/25/2008 | 12:34:00 | 0.077                     |
| 16825      | 09/25/2008 | 12:34:01 | 0.087                     |
| 16826      | 09/25/2008 | 12:34:02 | 0.097                     |
| 16827      | 09/25/2008 | 12:34:03 | 0.075                     |
| 16828      | 09/25/2008 | 12:34:04 | 0.127                     |
| 16829      | 09/25/2008 | 12:34:05 | 0.082                     |
| 16830      | 09/25/2008 | 12:34:06 | 0.218                     |
| 16831      | 09/25/2008 | 12:34:07 | 0.227                     |
| 16832      | 09/25/2008 | 12:34:08 | 0.123                     |
| 16833      | 09/25/2008 | 12:34:09 | 0.074                     |
| 16834      | 09/25/2008 | 12:34:10 | 0.063                     |
| 16835      | 09/25/2008 | 12:34:11 | 0.073                     |
| 16836      | 09/25/2008 | 12:34:12 | 0.090                     |
| 16837      | 09/25/2008 | 12:34:13 | 0.114                     |
| 16838      | 09/25/2008 | 12:34:14 | 0.097                     |
| 16839      | 09/25/2008 | 12:34:15 | 0.074                     |
| 16840      | 09/25/2008 | 12:34:16 | 0.069                     |
| 16841      | 09/25/2008 | 12:34:17 | 0.071                     |
| 16842      | 09/25/2008 | 12:34:18 | 0.072                     |
| 16843      | 09/25/2008 | 12:34:19 | 0.073                     |
| 16844      | 09/25/2008 | 12:34:20 | 0.068                     |
| 16845      | 09/25/2008 | 12:34:21 | 0.060                     |
| 16846      | 09/25/2008 | 12:34:22 | 0.080                     |
| 16847      | 09/25/2008 | 12:34:23 | 0.077                     |
| 16848      | 09/25/2008 | 12:34:24 | 0.074                     |
| 16849      | 09/25/2008 | 12:34:25 | 0.093                     |
| 16850      | 09/25/2008 | 12:34:26 | 0.183                     |
| 16851      | 09/25/2008 | 12:34:27 | 0.210                     |
| 16852      | 09/25/2008 | 12:34:28 | 0.190                     |
| 16853      | 09/25/2008 | 12:34:29 | 0.167                     |
| 16854      | 09/25/2008 | 12:34:30 | 0.124                     |
| 16855      | 09/25/2008 | 12:34:31 | 0.130                     |
| 16856      | 09/25/2008 | 12:34:32 | 0.147                     |
| 16857      | 09/25/2008 | 12:34:33 | 0.122                     |
| 16858      | 09/25/2008 | 12:34:34 | 0.111                     |
| 16859      | 09/25/2008 | 12:34:35 | 0.137                     |
| 16860      | 09/25/2008 | 12:34:36 | 0.115                     |
| 16861      | 09/25/2008 | 12:34:37 | 0.108                     |
| 16862      | 09/25/2008 | 12:34:38 | 0.091                     |
| 16863      | 09/25/2008 | 12:34:39 | 0.089                     |
| 16864      | 09/25/2008 | 12:34:40 | 0.094                     |
| 16865      | 09/25/2008 | 12:34:41 | 0.075                     |
| 16866      | 09/25/2008 | 12:34:42 | 0.074                     |
| 16867      | 09/25/2008 | 12:34:43 | 0.092                     |
| 16868      | 09/25/2008 | 12:34:44 | 0.108                     |
| 16869      | 09/25/2008 | 12:34:45 | 0.093                     |
| 16870      | 09/25/2008 | 12:34:46 | 0.095                     |
| 16871      | 09/25/2008 | 12:34:47 | 0.105                     |
| 16872      | 09/25/2008 | 12:34:48 | 0.105                     |
| 16873      | 09/25/2008 | 12:34:49 | 0.089                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 16874      | 09/25/2008 | 12:34:50 | 0.095                     |
| 16875      | 09/25/2008 | 12:34:51 | 0.080                     |
| 16876      | 09/25/2008 | 12:34:52 | 0.075                     |
| 16877      | 09/25/2008 | 12:34:53 | 0.070                     |
| 16878      | 09/25/2008 | 12:34:54 | 0.073                     |
| 16879      | 09/25/2008 | 12:34:55 | 0.066                     |
| 16880      | 09/25/2008 | 12:34:56 | 0.056                     |
| 16881      | 09/25/2008 | 12:34:57 | 0.064                     |
| 16882      | 09/25/2008 | 12:34:58 | 0.071                     |
| 16883      | 09/25/2008 | 12:34:59 | 0.058                     |
| 16884      | 09/25/2008 | 12:35:00 | 0.072                     |
| 16885      | 09/25/2008 | 12:35:01 | 0.072                     |
| 16886      | 09/25/2008 | 12:35:02 | 0.065                     |
| 16887      | 09/25/2008 | 12:35:03 | 0.065                     |
| 16888      | 09/25/2008 | 12:35:04 | 0.114                     |
| 16889      | 09/25/2008 | 12:35:05 | 0.107                     |
| 16890      | 09/25/2008 | 12:35:06 | 0.086                     |
| 16891      | 09/25/2008 | 12:35:07 | 0.068                     |
| 16892      | 09/25/2008 | 12:35:08 | 0.109                     |
| 16893      | 09/25/2008 | 12:35:09 | 0.072                     |
| 16894      | 09/25/2008 | 12:35:10 | 0.073                     |
| 16895      | 09/25/2008 | 12:35:11 | 0.109                     |
| 16896      | 09/25/2008 | 12:35:12 | 0.684                     |
| 16897      | 09/25/2008 | 12:35:13 | 1.097                     |
| 16898      | 09/25/2008 | 12:35:14 | 0.972                     |
| 16899      | 09/25/2008 | 12:35:15 | 0.615                     |
| 16900      | 09/25/2008 | 12:35:16 | 0.348                     |
| 16901      | 09/25/2008 | 12:35:17 | 0.322                     |
| 16902      | 09/25/2008 | 12:35:18 | 0.278                     |
| 16903      | 09/25/2008 | 12:35:19 | 0.181                     |
| 16904      | 09/25/2008 | 12:35:20 | 0.136                     |
| 16905      | 09/25/2008 | 12:35:21 | 0.140                     |
| 16906      | 09/25/2008 | 12:35:22 | 0.211                     |
| 16907      | 09/25/2008 | 12:35:23 | 0.147                     |
| 16908      | 09/25/2008 | 12:35:24 | 0.165                     |
| 16909      | 09/25/2008 | 12:35:25 | 0.521                     |
| 16910      | 09/25/2008 | 12:35:26 | 0.181                     |
| 16911      | 09/25/2008 | 12:35:27 | 0.675                     |
| 16912      | 09/25/2008 | 12:35:28 | 0.209                     |
| 16913      | 09/25/2008 | 12:35:29 | 0.146                     |
| 16914      | 09/25/2008 | 12:35:30 | 0.351                     |
| 16915      | 09/25/2008 | 12:35:31 | 0.535                     |
| 16916      | 09/25/2008 | 12:35:32 | 0.416                     |
| 16917      | 09/25/2008 | 12:35:33 | 0.170                     |
| 16918      | 09/25/2008 | 12:35:34 | 0.128                     |
| 16919      | 09/25/2008 | 12:35:35 | 0.126                     |
| 16920      | 09/25/2008 | 12:35:36 | 0.109                     |
| 16921      | 09/25/2008 | 12:35:37 | 0.113                     |
| 16922      | 09/25/2008 | 12:35:38 | 0.104                     |
| 16923      | 09/25/2008 | 12:35:39 | 0.113                     |
| 16924      | 09/25/2008 | 12:35:40 | 0.116                     |
| 16925      | 09/25/2008 | 12:35:41 | 0.116                     |
| 16926      | 09/25/2008 | 12:35:42 | 0.102                     |
| 16927      | 09/25/2008 | 12:35:43 | 0.108                     |
| 16928      | 09/25/2008 | 12:35:44 | 0.113                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 16929      | 09/25/2008 | 12:35:45 | 0.125                     |
| 16930      | 09/25/2008 | 12:35:46 | 0.133                     |
| 16931      | 09/25/2008 | 12:35:47 | 0.132                     |
| 16932      | 09/25/2008 | 12:35:48 | 0.116                     |
| 16933      | 09/25/2008 | 12:35:49 | 0.082                     |
| 16934      | 09/25/2008 | 12:35:50 | 0.084                     |
| 16935      | 09/25/2008 | 12:35:51 | 0.078                     |
| 16936      | 09/25/2008 | 12:35:52 | 0.063                     |
| 16937      | 09/25/2008 | 12:35:53 | 0.074                     |
| 16938      | 09/25/2008 | 12:35:54 | 0.073                     |
| 16939      | 09/25/2008 | 12:35:55 | 0.063                     |
| 16940      | 09/25/2008 | 12:35:56 | 0.107                     |
| 16941      | 09/25/2008 | 12:35:57 | 0.095                     |
| 16942      | 09/25/2008 | 12:35:58 | 0.076                     |
| 16943      | 09/25/2008 | 12:35:59 | 0.169                     |
| 16944      | 09/25/2008 | 12:36:00 | 0.248                     |
| 16945      | 09/25/2008 | 12:36:01 | 0.127                     |
| 16946      | 09/25/2008 | 12:36:02 | 0.116                     |
| 16947      | 09/25/2008 | 12:36:03 | 0.126                     |
| 16948      | 09/25/2008 | 12:36:04 | 0.125                     |
| 16949      | 09/25/2008 | 12:36:05 | 0.089                     |
| 16950      | 09/25/2008 | 12:36:06 | 0.069                     |
| 16951      | 09/25/2008 | 12:36:07 | 0.067                     |
| 16952      | 09/25/2008 | 12:36:08 | 0.080                     |
| 16953      | 09/25/2008 | 12:36:09 | 0.069                     |
| 16954      | 09/25/2008 | 12:36:10 | 0.101                     |
| 16955      | 09/25/2008 | 12:36:11 | 0.071                     |
| 16956      | 09/25/2008 | 12:36:12 | 0.058                     |
| 16957      | 09/25/2008 | 12:36:13 | 0.056                     |
| 16958      | 09/25/2008 | 12:36:14 | 0.064                     |
| 16959      | 09/25/2008 | 12:36:15 | 0.064                     |
| 16960      | 09/25/2008 | 12:36:16 | 0.057                     |
| 16961      | 09/25/2008 | 12:36:17 | 0.056                     |
| 16962      | 09/25/2008 | 12:36:18 | 0.057                     |
| 16963      | 09/25/2008 | 12:36:19 | 0.060                     |
| 16964      | 09/25/2008 | 12:36:20 | 0.053                     |
| 16965      | 09/25/2008 | 12:36:21 | 0.056                     |
| 16966      | 09/25/2008 | 12:36:22 | 0.056                     |
| 16967      | 09/25/2008 | 12:36:23 | 0.061                     |
| 16968      | 09/25/2008 | 12:36:24 | 0.052                     |
| 16969      | 09/25/2008 | 12:36:25 | 0.050                     |
| 16970      | 09/25/2008 | 12:36:26 | 0.059                     |
| 16971      | 09/25/2008 | 12:36:27 | 0.049                     |
| 16972      | 09/25/2008 | 12:36:28 | 0.049                     |
| 16973      | 09/25/2008 | 12:36:29 | 0.053                     |
| 16974      | 09/25/2008 | 12:36:30 | 0.053                     |
| 16975      | 09/25/2008 | 12:36:31 | 0.053                     |
| 16976      | 09/25/2008 | 12:36:32 | 0.057                     |
| 16977      | 09/25/2008 | 12:36:33 | 0.048                     |
| 16978      | 09/25/2008 | 12:36:34 | 0.066                     |
| 16979      | 09/25/2008 | 12:36:35 | 0.059                     |
| 16980      | 09/25/2008 | 12:36:36 | 0.236                     |
| 16981      | 09/25/2008 | 12:36:37 | 0.111                     |
| 16982      | 09/25/2008 | 12:36:38 | 0.062                     |
| 16983      | 09/25/2008 | 12:36:39 | 0.058                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 16984      | 09/25/2008 | 12:36:40 | 0.185                     |
| 16985      | 09/25/2008 | 12:36:41 | 0.769                     |
| 16986      | 09/25/2008 | 12:36:42 | 0.598                     |
| 16987      | 09/25/2008 | 12:36:43 | 0.759                     |
| 16988      | 09/25/2008 | 12:36:44 | 0.564                     |
| 16989      | 09/25/2008 | 12:36:45 | 0.353                     |
| 16990      | 09/25/2008 | 12:36:46 | 0.215                     |
| 16991      | 09/25/2008 | 12:36:47 | 0.232                     |
| 16992      | 09/25/2008 | 12:36:48 | 0.254                     |
| 16993      | 09/25/2008 | 12:36:49 | 0.188                     |
| 16994      | 09/25/2008 | 12:36:50 | 0.117                     |
| 16995      | 09/25/2008 | 12:36:51 | 0.094                     |
| 16996      | 09/25/2008 | 12:36:52 | 0.095                     |
| 16997      | 09/25/2008 | 12:36:53 | 0.077                     |
| 16998      | 09/25/2008 | 12:36:54 | 0.088                     |
| 16999      | 09/25/2008 | 12:36:55 | 0.094                     |
| 17000      | 09/25/2008 | 12:36:56 | 0.080                     |
| 17001      | 09/25/2008 | 12:36:57 | 0.070                     |
| 17002      | 09/25/2008 | 12:36:58 | 0.074                     |
| 17003      | 09/25/2008 | 12:36:59 | 0.069                     |
| 17004      | 09/25/2008 | 12:37:00 | 0.067                     |
| 17005      | 09/25/2008 | 12:37:01 | 0.058                     |
| 17006      | 09/25/2008 | 12:37:02 | 0.073                     |
| 17007      | 09/25/2008 | 12:37:03 | 0.062                     |
| 17008      | 09/25/2008 | 12:37:04 | 0.057                     |
| 17009      | 09/25/2008 | 12:37:05 | 0.057                     |
| 17010      | 09/25/2008 | 12:37:06 | 0.058                     |
| 17011      | 09/25/2008 | 12:37:07 | 0.058                     |
| 17012      | 09/25/2008 | 12:37:08 | 0.055                     |
| 17013      | 09/25/2008 | 12:37:09 | 0.055                     |
| 17014      | 09/25/2008 | 12:37:10 | 0.053                     |
| 17015      | 09/25/2008 | 12:37:11 | 0.053                     |
| 17016      | 09/25/2008 | 12:37:12 | 0.052                     |
| 17017      | 09/25/2008 | 12:37:13 | 0.057                     |
| 17018      | 09/25/2008 | 12:37:14 | 0.057                     |
| 17019      | 09/25/2008 | 12:37:15 | 0.053                     |
| 17020      | 09/25/2008 | 12:37:16 | 0.054                     |
| 17021      | 09/25/2008 | 12:37:17 | 0.054                     |
| 17022      | 09/25/2008 | 12:37:18 | 0.070                     |
| 17023      | 09/25/2008 | 12:37:19 | 0.059                     |
| 17024      | 09/25/2008 | 12:37:20 | 0.054                     |
| 17025      | 09/25/2008 | 12:37:21 | 0.058                     |
| 17026      | 09/25/2008 | 12:37:22 | 0.052                     |
| 17027      | 09/25/2008 | 12:37:23 | 0.052                     |
| 17028      | 09/25/2008 | 12:37:24 | 0.053                     |
| 17029      | 09/25/2008 | 12:37:25 | 0.052                     |
| 17030      | 09/25/2008 | 12:37:26 | 0.125                     |
| 17031      | 09/25/2008 | 12:37:27 | 0.048                     |
| 17032      | 09/25/2008 | 12:37:28 | 0.055                     |
| 17033      | 09/25/2008 | 12:37:29 | 0.054                     |
| 17034      | 09/25/2008 | 12:37:30 | 0.048                     |
| 17035      | 09/25/2008 | 12:37:31 | 0.062                     |
| 17036      | 09/25/2008 | 12:37:32 | 0.055                     |
| 17037      | 09/25/2008 | 12:37:33 | 0.056                     |
| 17038      | 09/25/2008 | 12:37:34 | 0.051                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 17039      | 09/25/2008 | 12:37:35 | 0.054                     |
| 17040      | 09/25/2008 | 12:37:36 | 0.056                     |
| 17041      | 09/25/2008 | 12:37:37 | 0.052                     |
| 17042      | 09/25/2008 | 12:37:38 | 0.052                     |
| 17043      | 09/25/2008 | 12:37:39 | 0.052                     |
| 17044      | 09/25/2008 | 12:37:40 | 0.059                     |
| 17045      | 09/25/2008 | 12:37:41 | 0.057                     |
| 17046      | 09/25/2008 | 12:37:42 | 0.052                     |
| 17047      | 09/25/2008 | 12:37:43 | 0.050                     |
| 17048      | 09/25/2008 | 12:37:44 | 0.048                     |
| 17049      | 09/25/2008 | 12:37:45 | 0.054                     |
| 17050      | 09/25/2008 | 12:37:46 | 0.051                     |
| 17051      | 09/25/2008 | 12:37:47 | 0.052                     |
| 17052      | 09/25/2008 | 12:37:48 | 0.056                     |
| 17053      | 09/25/2008 | 12:37:49 | 0.053                     |
| 17054      | 09/25/2008 | 12:37:50 | 0.052                     |
| 17055      | 09/25/2008 | 12:37:51 | 0.058                     |
| 17056      | 09/25/2008 | 12:37:52 | 0.052                     |
| 17057      | 09/25/2008 | 12:37:53 | 0.053                     |
| 17058      | 09/25/2008 | 12:37:54 | 0.051                     |
| 17059      | 09/25/2008 | 12:37:55 | 0.053                     |
| 17060      | 09/25/2008 | 12:37:56 | 0.052                     |
| 17061      | 09/25/2008 | 12:37:57 | 0.050                     |
| 17062      | 09/25/2008 | 12:37:58 | 0.055                     |
| 17063      | 09/25/2008 | 12:37:59 | 0.056                     |
| 17064      | 09/25/2008 | 12:38:00 | 0.064                     |
| 17065      | 09/25/2008 | 12:38:01 | 0.051                     |
| 17066      | 09/25/2008 | 12:38:02 | 0.056                     |
| 17067      | 09/25/2008 | 12:38:03 | 0.054                     |
| 17068      | 09/25/2008 | 12:38:04 | 0.058                     |
| 17069      | 09/25/2008 | 12:38:05 | 0.050                     |
| 17070      | 09/25/2008 | 12:38:06 | 0.056                     |
| 17071      | 09/25/2008 | 12:38:07 | 0.055                     |
| 17072      | 09/25/2008 | 12:38:08 | 0.049                     |
| 17073      | 09/25/2008 | 12:38:09 | 0.053                     |
| 17074      | 09/25/2008 | 12:38:10 | 0.067                     |
| 17075      | 09/25/2008 | 12:38:11 | 0.049                     |
| 17076      | 09/25/2008 | 12:38:12 | 0.054                     |
| 17077      | 09/25/2008 | 12:38:13 | 0.055                     |
| 17078      | 09/25/2008 | 12:38:14 | 0.052                     |
| 17079      | 09/25/2008 | 12:38:15 | 0.051                     |
| 17080      | 09/25/2008 | 12:38:16 | 0.059                     |
| 17081      | 09/25/2008 | 12:38:17 | 0.059                     |
| 17082      | 09/25/2008 | 12:38:18 | 0.050                     |
| 17083      | 09/25/2008 | 12:38:19 | 0.053                     |
| 17084      | 09/25/2008 | 12:38:20 | 0.057                     |
| 17085      | 09/25/2008 | 12:38:21 | 0.050                     |
| 17086      | 09/25/2008 | 12:38:22 | 0.058                     |
| 17087      | 09/25/2008 | 12:38:23 | 0.093                     |
| 17088      | 09/25/2008 | 12:38:24 | 0.051                     |
| 17089      | 09/25/2008 | 12:38:25 | 0.050                     |
| 17090      | 09/25/2008 | 12:38:26 | 0.050                     |
| 17091      | 09/25/2008 | 12:38:27 | 0.050                     |
| 17092      | 09/25/2008 | 12:38:28 | 0.052                     |
| 17093      | 09/25/2008 | 12:38:29 | 0.061                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 17094      | 09/25/2008 | 12:38:30 | 0.053                     |
| 17095      | 09/25/2008 | 12:38:31 | 0.059                     |
| 17096      | 09/25/2008 | 12:38:32 | 0.052                     |
| 17097      | 09/25/2008 | 12:38:33 | 0.056                     |
| 17098      | 09/25/2008 | 12:38:34 | 0.048                     |
| 17099      | 09/25/2008 | 12:38:35 | 0.061                     |
| 17100      | 09/25/2008 | 12:38:36 | 0.050                     |
| 17101      | 09/25/2008 | 12:38:37 | 0.050                     |
| 17102      | 09/25/2008 | 12:38:38 | 0.049                     |
| 17103      | 09/25/2008 | 12:38:39 | 0.050                     |
| 17104      | 09/25/2008 | 12:38:40 | 0.049                     |
| 17105      | 09/25/2008 | 12:38:41 | 0.052                     |
| 17106      | 09/25/2008 | 12:38:42 | 0.055                     |
| 17107      | 09/25/2008 | 12:38:43 | 0.052                     |
| 17108      | 09/25/2008 | 12:38:44 | 0.053                     |
| 17109      | 09/25/2008 | 12:38:45 | 0.054                     |
| 17110      | 09/25/2008 | 12:38:46 | 0.054                     |
| 17111      | 09/25/2008 | 12:38:47 | 0.048                     |
| 17112      | 09/25/2008 | 12:38:48 | 0.051                     |
| 17113      | 09/25/2008 | 12:38:49 | 0.058                     |
| 17114      | 09/25/2008 | 12:38:50 | 0.055                     |
| 17115      | 09/25/2008 | 12:38:51 | 0.050                     |
| 17116      | 09/25/2008 | 12:38:52 | 0.051                     |
| 17117      | 09/25/2008 | 12:38:53 | 0.055                     |
| 17118      | 09/25/2008 | 12:38:54 | 0.051                     |
| 17119      | 09/25/2008 | 12:38:55 | 0.050                     |
| 17120      | 09/25/2008 | 12:38:56 | 0.051                     |
| 17121      | 09/25/2008 | 12:38:57 | 0.049                     |
| 17122      | 09/25/2008 | 12:38:58 | 0.054                     |
| 17123      | 09/25/2008 | 12:38:59 | 0.052                     |
| 17124      | 09/25/2008 | 12:39:00 | 0.053                     |
| 17125      | 09/25/2008 | 12:39:01 | 0.052                     |
| 17126      | 09/25/2008 | 12:39:02 | 0.052                     |
| 17127      | 09/25/2008 | 12:39:03 | 0.050                     |
| 17128      | 09/25/2008 | 12:39:04 | 0.052                     |
| 17129      | 09/25/2008 | 12:39:05 | 0.051                     |
| 17130      | 09/25/2008 | 12:39:06 | 0.055                     |
| 17131      | 09/25/2008 | 12:39:07 | 0.053                     |
| 17132      | 09/25/2008 | 12:39:08 | 0.057                     |
| 17133      | 09/25/2008 | 12:39:09 | 0.051                     |
| 17134      | 09/25/2008 | 12:39:10 | 0.053                     |
| 17135      | 09/25/2008 | 12:39:11 | 0.052                     |
| 17136      | 09/25/2008 | 12:39:12 | 0.052                     |
| 17137      | 09/25/2008 | 12:39:13 | 0.053                     |
| 17138      | 09/25/2008 | 12:39:14 | 0.050                     |
| 17139      | 09/25/2008 | 12:39:15 | 0.058                     |
| 17140      | 09/25/2008 | 12:39:16 | 0.065                     |
| 17141      | 09/25/2008 | 12:39:17 | 0.048                     |
| 17142      | 09/25/2008 | 12:39:18 | 0.052                     |
| 17143      | 09/25/2008 | 12:39:19 | 0.054                     |
| 17144      | 09/25/2008 | 12:39:20 | 0.072                     |
| 17145      | 09/25/2008 | 12:39:21 | 0.074                     |
| 17146      | 09/25/2008 | 12:39:22 | 0.055                     |
| 17147      | 09/25/2008 | 12:39:23 | 0.108                     |
| 17148      | 09/25/2008 | 12:39:24 | 0.441                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 17149      | 09/25/2008 | 12:39:25 | 0.152                     |
| 17150      | 09/25/2008 | 12:39:26 | 0.070                     |
| 17151      | 09/25/2008 | 12:39:27 | 0.077                     |
| 17152      | 09/25/2008 | 12:39:28 | 0.064                     |
| 17153      | 09/25/2008 | 12:39:29 | 0.092                     |
| 17154      | 09/25/2008 | 12:39:30 | 0.135                     |
| 17155      | 09/25/2008 | 12:39:31 | 0.079                     |
| 17156      | 09/25/2008 | 12:39:32 | 0.082                     |
| 17157      | 09/25/2008 | 12:39:33 | 0.071                     |
| 17158      | 09/25/2008 | 12:39:34 | 0.067                     |
| 17159      | 09/25/2008 | 12:39:35 | 0.067                     |
| 17160      | 09/25/2008 | 12:39:36 | 0.056                     |
| 17161      | 09/25/2008 | 12:39:37 | 0.055                     |
| 17162      | 09/25/2008 | 12:39:38 | 0.067                     |
| 17163      | 09/25/2008 | 12:39:39 | 0.192                     |
| 17164      | 09/25/2008 | 12:39:40 | 0.087                     |
| 17165      | 09/25/2008 | 12:39:41 | 0.083                     |
| 17166      | 09/25/2008 | 12:39:42 | 0.085                     |
| 17167      | 09/25/2008 | 12:39:43 | 0.080                     |
| 17168      | 09/25/2008 | 12:39:44 | 0.090                     |
| 17169      | 09/25/2008 | 12:39:45 | 0.089                     |
| 17170      | 09/25/2008 | 12:39:46 | 0.095                     |
| 17171      | 09/25/2008 | 12:39:47 | 0.085                     |
| 17172      | 09/25/2008 | 12:39:48 | 0.076                     |
| 17173      | 09/25/2008 | 12:39:49 | 0.068                     |
| 17174      | 09/25/2008 | 12:39:50 | 0.121                     |
| 17175      | 09/25/2008 | 12:39:51 | 0.195                     |
| 17176      | 09/25/2008 | 12:39:52 | 0.141                     |
| 17177      | 09/25/2008 | 12:39:53 | 0.273                     |
| 17178      | 09/25/2008 | 12:39:54 | 0.216                     |
| 17179      | 09/25/2008 | 12:39:55 | 0.174                     |
| 17180      | 09/25/2008 | 12:39:56 | 0.181                     |
| 17181      | 09/25/2008 | 12:39:57 | 0.124                     |
| 17182      | 09/25/2008 | 12:39:58 | 0.103                     |
| 17183      | 09/25/2008 | 12:39:59 | 0.092                     |
| 17184      | 09/25/2008 | 12:40:00 | 0.077                     |
| 17185      | 09/25/2008 | 12:40:01 | 0.072                     |
| 17186      | 09/25/2008 | 12:40:02 | 0.070                     |
| 17187      | 09/25/2008 | 12:40:03 | 0.070                     |
| 17188      | 09/25/2008 | 12:40:04 | 0.077                     |
| 17189      | 09/25/2008 | 12:40:05 | 0.069                     |
| 17190      | 09/25/2008 | 12:40:06 | 0.093                     |
| 17191      | 09/25/2008 | 12:40:07 | 0.067                     |
| 17192      | 09/25/2008 | 12:40:08 | 0.068                     |
| 17193      | 09/25/2008 | 12:40:09 | 0.066                     |
| 17194      | 09/25/2008 | 12:40:10 | 0.090                     |
| 17195      | 09/25/2008 | 12:40:11 | 0.065                     |
| 17196      | 09/25/2008 | 12:40:12 | 0.072                     |
| 17197      | 09/25/2008 | 12:40:13 | 0.072                     |
| 17198      | 09/25/2008 | 12:40:14 | 0.064                     |
| 17199      | 09/25/2008 | 12:40:15 | 0.068                     |
| 17200      | 09/25/2008 | 12:40:16 | 0.115                     |
| 17201      | 09/25/2008 | 12:40:17 | 0.060                     |
| 17202      | 09/25/2008 | 12:40:18 | 0.066                     |
| 17203      | 09/25/2008 | 12:40:19 | 0.061                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 17204      | 09/25/2008 | 12:40:20 | 0.072                     |
| 17205      | 09/25/2008 | 12:40:21 | 0.079                     |
| 17206      | 09/25/2008 | 12:40:22 | 0.061                     |
| 17207      | 09/25/2008 | 12:40:23 | 0.058                     |
| 17208      | 09/25/2008 | 12:40:24 | 0.070                     |
| 17209      | 09/25/2008 | 12:40:25 | 0.094                     |
| 17210      | 09/25/2008 | 12:40:26 | 0.091                     |
| 17211      | 09/25/2008 | 12:40:27 | 0.060                     |
| 17212      | 09/25/2008 | 12:40:28 | 0.062                     |
| 17213      | 09/25/2008 | 12:40:29 | 0.071                     |
| 17214      | 09/25/2008 | 12:40:30 | 0.063                     |
| 17215      | 09/25/2008 | 12:40:31 | 0.054                     |
| 17216      | 09/25/2008 | 12:40:32 | 0.065                     |
| 17217      | 09/25/2008 | 12:40:33 | 0.062                     |
| 17218      | 09/25/2008 | 12:40:34 | 0.076                     |
| 17219      | 09/25/2008 | 12:40:35 | 0.113                     |
| 17220      | 09/25/2008 | 12:40:36 | 0.087                     |
| 17221      | 09/25/2008 | 12:40:37 | 0.082                     |
| 17222      | 09/25/2008 | 12:40:38 | 0.106                     |
| 17223      | 09/25/2008 | 12:40:39 | 0.116                     |
| 17224      | 09/25/2008 | 12:40:40 | 0.061                     |
| 17225      | 09/25/2008 | 12:40:41 | 0.063                     |
| 17226      | 09/25/2008 | 12:40:42 | 0.057                     |
| 17227      | 09/25/2008 | 12:40:43 | 0.059                     |
| 17228      | 09/25/2008 | 12:40:44 | 0.055                     |
| 17229      | 09/25/2008 | 12:40:45 | 0.053                     |
| 17230      | 09/25/2008 | 12:40:46 | 0.050                     |
| 17231      | 09/25/2008 | 12:40:47 | 0.052                     |
| 17232      | 09/25/2008 | 12:40:48 | 0.053                     |
| 17233      | 09/25/2008 | 12:40:49 | 0.058                     |
| 17234      | 09/25/2008 | 12:40:50 | 0.054                     |
| 17235      | 09/25/2008 | 12:40:51 | 0.056                     |
| 17236      | 09/25/2008 | 12:40:52 | 0.113                     |
| 17237      | 09/25/2008 | 12:40:53 | 0.085                     |
| 17238      | 09/25/2008 | 12:40:54 | 0.109                     |
| 17239      | 09/25/2008 | 12:40:55 | 0.111                     |
| 17240      | 09/25/2008 | 12:40:56 | 0.076                     |
| 17241      | 09/25/2008 | 12:40:57 | 0.061                     |
| 17242      | 09/25/2008 | 12:40:58 | 0.062                     |
| 17243      | 09/25/2008 | 12:40:59 | 0.055                     |
| 17244      | 09/25/2008 | 12:41:00 | 0.065                     |
| 17245      | 09/25/2008 | 12:41:01 | 0.055                     |
| 17246      | 09/25/2008 | 12:41:02 | 0.051                     |
| 17247      | 09/25/2008 | 12:41:03 | 0.051                     |
| 17248      | 09/25/2008 | 12:41:04 | 0.055                     |
| 17249      | 09/25/2008 | 12:41:05 | 0.052                     |
| 17250      | 09/25/2008 | 12:41:06 | 0.055                     |
| 17251      | 09/25/2008 | 12:41:07 | 0.057                     |
| 17252      | 09/25/2008 | 12:41:08 | 0.057                     |
| 17253      | 09/25/2008 | 12:41:09 | 0.050                     |
| 17254      | 09/25/2008 | 12:41:10 | 0.051                     |
| 17255      | 09/25/2008 | 12:41:11 | 0.054                     |
| 17256      | 09/25/2008 | 12:41:12 | 0.054                     |
| 17257      | 09/25/2008 | 12:41:13 | 0.050                     |
| 17258      | 09/25/2008 | 12:41:14 | 0.048                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 17259      | 09/25/2008 | 12:41:15 | 0.053                     |
| 17260      | 09/25/2008 | 12:41:16 | 0.060                     |
| 17261      | 09/25/2008 | 12:41:17 | 0.051                     |
| 17262      | 09/25/2008 | 12:41:18 | 0.060                     |
| 17263      | 09/25/2008 | 12:41:19 | 0.054                     |
| 17264      | 09/25/2008 | 12:41:20 | 0.053                     |
| 17265      | 09/25/2008 | 12:41:21 | 0.050                     |
| 17266      | 09/25/2008 | 12:41:22 | 0.060                     |
| 17267      | 09/25/2008 | 12:41:23 | 0.059                     |
| 17268      | 09/25/2008 | 12:41:24 | 0.053                     |
| 17269      | 09/25/2008 | 12:41:25 | 0.054                     |
| 17270      | 09/25/2008 | 12:41:26 | 0.049                     |
| 17271      | 09/25/2008 | 12:41:27 | 0.051                     |
| 17272      | 09/25/2008 | 12:41:28 | 0.049                     |
| 17273      | 09/25/2008 | 12:41:29 | 0.052                     |
| 17274      | 09/25/2008 | 12:41:30 | 0.052                     |
| 17275      | 09/25/2008 | 12:41:31 | 0.061                     |
| 17276      | 09/25/2008 | 12:41:32 | 0.051                     |
| 17277      | 09/25/2008 | 12:41:33 | 0.055                     |
| 17278      | 09/25/2008 | 12:41:34 | 0.057                     |
| 17279      | 09/25/2008 | 12:41:35 | 0.059                     |
| 17280      | 09/25/2008 | 12:41:36 | 0.050                     |
| 17281      | 09/25/2008 | 12:41:37 | 0.051                     |
| 17282      | 09/25/2008 | 12:41:38 | 0.050                     |
| 17283      | 09/25/2008 | 12:41:39 | 0.050                     |
| 17284      | 09/25/2008 | 12:41:40 | 0.049                     |
| 17285      | 09/25/2008 | 12:41:41 | 0.050                     |
| 17286      | 09/25/2008 | 12:41:42 | 0.051                     |
| 17287      | 09/25/2008 | 12:41:43 | 0.054                     |
| 17288      | 09/25/2008 | 12:41:44 | 0.051                     |
| 17289      | 09/25/2008 | 12:41:45 | 0.048                     |
| 17290      | 09/25/2008 | 12:41:46 | 0.052                     |
| 17291      | 09/25/2008 | 12:41:47 | 0.052                     |
| 17292      | 09/25/2008 | 12:41:48 | 0.049                     |
| 17293      | 09/25/2008 | 12:41:49 | 0.055                     |
| 17294      | 09/25/2008 | 12:41:50 | 0.053                     |
| 17295      | 09/25/2008 | 12:41:51 | 0.049                     |
| 17296      | 09/25/2008 | 12:41:52 | 0.052                     |
| 17297      | 09/25/2008 | 12:41:53 | 0.056                     |
| 17298      | 09/25/2008 | 12:41:54 | 0.050                     |
| 17299      | 09/25/2008 | 12:41:55 | 0.053                     |
| 17300      | 09/25/2008 | 12:41:56 | 0.053                     |
| 17301      | 09/25/2008 | 12:41:57 | 0.060                     |
| 17302      | 09/25/2008 | 12:41:58 | 0.052                     |
| 17303      | 09/25/2008 | 12:41:59 | 0.053                     |
| 17304      | 09/25/2008 | 12:42:00 | 0.055                     |
| 17305      | 09/25/2008 | 12:42:01 | 0.051                     |
| 17306      | 09/25/2008 | 12:42:02 | 0.056                     |
| 17307      | 09/25/2008 | 12:42:03 | 0.056                     |
| 17308      | 09/25/2008 | 12:42:04 | 0.057                     |
| 17309      | 09/25/2008 | 12:42:05 | 0.049                     |
| 17310      | 09/25/2008 | 12:42:06 | 0.063                     |
| 17311      | 09/25/2008 | 12:42:07 | 0.053                     |
| 17312      | 09/25/2008 | 12:42:08 | 0.051                     |
| 17313      | 09/25/2008 | 12:42:09 | 0.058                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 17314      | 09/25/2008 | 12:42:10 | 0.050                     |
| 17315      | 09/25/2008 | 12:42:11 | 0.057                     |
| 17316      | 09/25/2008 | 12:42:12 | 0.072                     |
| 17317      | 09/25/2008 | 12:42:13 | 0.050                     |
| 17318      | 09/25/2008 | 12:42:14 | 0.049                     |
| 17319      | 09/25/2008 | 12:42:15 | 0.054                     |
| 17320      | 09/25/2008 | 12:42:16 | 0.052                     |
| 17321      | 09/25/2008 | 12:42:17 | 0.053                     |
| 17322      | 09/25/2008 | 12:42:18 | 0.051                     |
| 17323      | 09/25/2008 | 12:42:19 | 0.052                     |
| 17324      | 09/25/2008 | 12:42:20 | 0.052                     |
| 17325      | 09/25/2008 | 12:42:21 | 0.051                     |
| 17326      | 09/25/2008 | 12:42:22 | 0.053                     |
| 17327      | 09/25/2008 | 12:42:23 | 0.052                     |
| 17328      | 09/25/2008 | 12:42:24 | 0.052                     |
| 17329      | 09/25/2008 | 12:42:25 | 0.049                     |
| 17330      | 09/25/2008 | 12:42:26 | 0.056                     |
| 17331      | 09/25/2008 | 12:42:27 | 0.052                     |
| 17332      | 09/25/2008 | 12:42:28 | 0.051                     |
| 17333      | 09/25/2008 | 12:42:29 | 0.052                     |
| 17334      | 09/25/2008 | 12:42:30 | 0.051                     |
| 17335      | 09/25/2008 | 12:42:31 | 0.049                     |
| 17336      | 09/25/2008 | 12:42:32 | 0.052                     |
| 17337      | 09/25/2008 | 12:42:33 | 0.049                     |
| 17338      | 09/25/2008 | 12:42:34 | 0.055                     |
| 17339      | 09/25/2008 | 12:42:35 | 0.049                     |
| 17340      | 09/25/2008 | 12:42:36 | 0.056                     |
| 17341      | 09/25/2008 | 12:42:37 | 0.062                     |
| 17342      | 09/25/2008 | 12:42:38 | 0.060                     |
| 17343      | 09/25/2008 | 12:42:39 | 0.053                     |
| 17344      | 09/25/2008 | 12:42:40 | 0.056                     |
| 17345      | 09/25/2008 | 12:42:41 | 0.052                     |
| 17346      | 09/25/2008 | 12:42:42 | 0.053                     |
| 17347      | 09/25/2008 | 12:42:43 | 0.056                     |
| 17348      | 09/25/2008 | 12:42:44 | 0.053                     |
| 17349      | 09/25/2008 | 12:42:45 | 0.054                     |
| 17350      | 09/25/2008 | 12:42:46 | 0.054                     |
| 17351      | 09/25/2008 | 12:42:47 | 0.050                     |
| 17352      | 09/25/2008 | 12:42:48 | 0.054                     |
| 17353      | 09/25/2008 | 12:42:49 | 0.054                     |
| 17354      | 09/25/2008 | 12:42:50 | 0.052                     |
| 17355      | 09/25/2008 | 12:42:51 | 0.049                     |
| 17356      | 09/25/2008 | 12:42:52 | 0.059                     |
| 17357      | 09/25/2008 | 12:42:53 | 0.049                     |
| 17358      | 09/25/2008 | 12:42:54 | 0.057                     |
| 17359      | 09/25/2008 | 12:42:55 | 0.068                     |
| 17360      | 09/25/2008 | 12:42:56 | 0.052                     |
| 17361      | 09/25/2008 | 12:42:57 | 0.052                     |
| 17362      | 09/25/2008 | 12:42:58 | 0.052                     |
| 17363      | 09/25/2008 | 12:42:59 | 0.054                     |
| 17364      | 09/25/2008 | 12:43:00 | 0.051                     |
| 17365      | 09/25/2008 | 12:43:01 | 0.051                     |
| 17366      | 09/25/2008 | 12:43:02 | 0.051                     |
| 17367      | 09/25/2008 | 12:43:03 | 0.049                     |
| 17368      | 09/25/2008 | 12:43:04 | 0.051                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 17369      | 09/25/2008 | 12:43:05 | 0.056                     |
| 17370      | 09/25/2008 | 12:43:06 | 0.055                     |
| 17371      | 09/25/2008 | 12:43:07 | 0.054                     |
| 17372      | 09/25/2008 | 12:43:08 | 0.050                     |
| 17373      | 09/25/2008 | 12:43:09 | 0.049                     |
| 17374      | 09/25/2008 | 12:43:10 | 0.051                     |
| 17375      | 09/25/2008 | 12:43:11 | 0.052                     |
| 17376      | 09/25/2008 | 12:43:12 | 0.069                     |
| 17377      | 09/25/2008 | 12:43:13 | 0.061                     |
| 17378      | 09/25/2008 | 12:43:14 | 0.055                     |
| 17379      | 09/25/2008 | 12:43:15 | 0.055                     |
| 17380      | 09/25/2008 | 12:43:16 | 0.048                     |
| 17381      | 09/25/2008 | 12:43:17 | 0.055                     |
| 17382      | 09/25/2008 | 12:43:18 | 0.049                     |
| 17383      | 09/25/2008 | 12:43:19 | 0.056                     |
| 17384      | 09/25/2008 | 12:43:20 | 0.055                     |
| 17385      | 09/25/2008 | 12:43:21 | 0.054                     |
| 17386      | 09/25/2008 | 12:43:22 | 0.053                     |
| 17387      | 09/25/2008 | 12:43:23 | 0.052                     |
| 17388      | 09/25/2008 | 12:43:24 | 0.054                     |
| 17389      | 09/25/2008 | 12:43:25 | 0.053                     |
| 17390      | 09/25/2008 | 12:43:26 | 0.051                     |
| 17391      | 09/25/2008 | 12:43:27 | 0.058                     |
| 17392      | 09/25/2008 | 12:43:28 | 0.054                     |
| 17393      | 09/25/2008 | 12:43:29 | 0.054                     |
| 17394      | 09/25/2008 | 12:43:30 | 0.050                     |
| 17395      | 09/25/2008 | 12:43:31 | 0.053                     |
| 17396      | 09/25/2008 | 12:43:32 | 0.052                     |
| 17397      | 09/25/2008 | 12:43:33 | 0.049                     |
| 17398      | 09/25/2008 | 12:43:34 | 0.051                     |
| 17399      | 09/25/2008 | 12:43:35 | 0.052                     |
| 17400      | 09/25/2008 | 12:43:36 | 0.062                     |
| 17401      | 09/25/2008 | 12:43:37 | 0.058                     |
| 17402      | 09/25/2008 | 12:43:38 | 0.058                     |
| 17403      | 09/25/2008 | 12:43:39 | 0.052                     |
| 17404      | 09/25/2008 | 12:43:40 | 0.055                     |
| 17405      | 09/25/2008 | 12:43:41 | 0.056                     |
| 17406      | 09/25/2008 | 12:43:42 | 0.056                     |
| 17407      | 09/25/2008 | 12:43:43 | 0.048                     |
| 17408      | 09/25/2008 | 12:43:44 | 0.051                     |
| 17409      | 09/25/2008 | 12:43:45 | 0.050                     |
| 17410      | 09/25/2008 | 12:43:46 | 0.050                     |
| 17411      | 09/25/2008 | 12:43:47 | 0.053                     |
| 17412      | 09/25/2008 | 12:43:48 | 0.067                     |
| 17413      | 09/25/2008 | 12:43:49 | 0.049                     |
| 17414      | 09/25/2008 | 12:43:50 | 0.053                     |
| 17415      | 09/25/2008 | 12:43:51 | 0.054                     |
| 17416      | 09/25/2008 | 12:43:52 | 0.054                     |
| 17417      | 09/25/2008 | 12:43:53 | 0.051                     |
| 17418      | 09/25/2008 | 12:43:54 | 0.053                     |
| 17419      | 09/25/2008 | 12:43:55 | 0.052                     |
| 17420      | 09/25/2008 | 12:43:56 | 0.062                     |
| 17421      | 09/25/2008 | 12:43:57 | 0.052                     |
| 17422      | 09/25/2008 | 12:43:58 | 0.059                     |
| 17423      | 09/25/2008 | 12:43:59 | 0.057                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 17424      | 09/25/2008 | 12:44:00 | 0.049                     |
| 17425      | 09/25/2008 | 12:44:01 | 0.056                     |
| 17426      | 09/25/2008 | 12:44:02 | 0.054                     |
| 17427      | 09/25/2008 | 12:44:03 | 0.055                     |
| 17428      | 09/25/2008 | 12:44:04 | 0.055                     |
| 17429      | 09/25/2008 | 12:44:05 | 0.060                     |
| 17430      | 09/25/2008 | 12:44:06 | 0.059                     |
| 17431      | 09/25/2008 | 12:44:07 | 0.049                     |
| 17432      | 09/25/2008 | 12:44:08 | 0.055                     |
| 17433      | 09/25/2008 | 12:44:09 | 0.053                     |
| 17434      | 09/25/2008 | 12:44:10 | 0.056                     |
| 17435      | 09/25/2008 | 12:44:11 | 0.057                     |
| 17436      | 09/25/2008 | 12:44:12 | 0.067                     |
| 17437      | 09/25/2008 | 12:44:13 | 0.114                     |
| 17438      | 09/25/2008 | 12:44:14 | 0.070                     |
| 17439      | 09/25/2008 | 12:44:15 | 0.086                     |
| 17440      | 09/25/2008 | 12:44:16 | 0.075                     |
| 17441      | 09/25/2008 | 12:44:17 | 0.058                     |
| 17442      | 09/25/2008 | 12:44:18 | 0.050                     |
| 17443      | 09/25/2008 | 12:44:19 | 0.057                     |
| 17444      | 09/25/2008 | 12:44:20 | 0.053                     |
| 17445      | 09/25/2008 | 12:44:21 | 0.052                     |
| 17446      | 09/25/2008 | 12:44:22 | 0.054                     |
| 17447      | 09/25/2008 | 12:44:23 | 0.066                     |
| 17448      | 09/25/2008 | 12:44:24 | 0.051                     |
| 17449      | 09/25/2008 | 12:44:25 | 0.053                     |
| 17450      | 09/25/2008 | 12:44:26 | 0.059                     |
| 17451      | 09/25/2008 | 12:44:27 | 0.052                     |
| 17452      | 09/25/2008 | 12:44:28 | 0.057                     |
| 17453      | 09/25/2008 | 12:44:29 | 0.061                     |
| 17454      | 09/25/2008 | 12:44:30 | 0.063                     |
| 17455      | 09/25/2008 | 12:44:31 | 0.066                     |
| 17456      | 09/25/2008 | 12:44:32 | 0.068                     |
| 17457      | 09/25/2008 | 12:44:33 | 0.068                     |
| 17458      | 09/25/2008 | 12:44:34 | 0.065                     |
| 17459      | 09/25/2008 | 12:44:35 | 0.086                     |
| 17460      | 09/25/2008 | 12:44:36 | 0.095                     |
| 17461      | 09/25/2008 | 12:44:37 | 0.098                     |
| 17462      | 09/25/2008 | 12:44:38 | 0.085                     |
| 17463      | 09/25/2008 | 12:44:39 | 0.091                     |
| 17464      | 09/25/2008 | 12:44:40 | 0.095                     |
| 17465      | 09/25/2008 | 12:44:41 | 0.066                     |
| 17466      | 09/25/2008 | 12:44:42 | 0.106                     |
| 17467      | 09/25/2008 | 12:44:43 | 0.058                     |
| 17468      | 09/25/2008 | 12:44:44 | 0.057                     |
| 17469      | 09/25/2008 | 12:44:45 | 0.053                     |
| 17470      | 09/25/2008 | 12:44:46 | 0.055                     |
| 17471      | 09/25/2008 | 12:44:47 | 0.060                     |
| 17472      | 09/25/2008 | 12:44:48 | 0.064                     |
| 17473      | 09/25/2008 | 12:44:49 | 0.123                     |
| 17474      | 09/25/2008 | 12:44:50 | 0.054                     |
| 17475      | 09/25/2008 | 12:44:51 | 0.067                     |
| 17476      | 09/25/2008 | 12:44:52 | 0.056                     |
| 17477      | 09/25/2008 | 12:44:53 | 0.055                     |
| 17478      | 09/25/2008 | 12:44:54 | 0.100                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 17479      | 09/25/2008 | 12:44:55 | 0.057                     |
| 17480      | 09/25/2008 | 12:44:56 | 0.054                     |
| 17481      | 09/25/2008 | 12:44:57 | 0.090                     |
| 17482      | 09/25/2008 | 12:44:58 | 0.167                     |
| 17483      | 09/25/2008 | 12:44:59 | 0.842                     |
| 17484      | 09/25/2008 | 12:45:00 | 0.273                     |
| 17485      | 09/25/2008 | 12:45:01 | 0.112                     |
| 17486      | 09/25/2008 | 12:45:02 | 0.084                     |
| 17487      | 09/25/2008 | 12:45:03 | 0.079                     |
| 17488      | 09/25/2008 | 12:45:04 | 0.072                     |
| 17489      | 09/25/2008 | 12:45:05 | 0.069                     |
| 17490      | 09/25/2008 | 12:45:06 | 0.071                     |
| 17491      | 09/25/2008 | 12:45:07 | 0.070                     |
| 17492      | 09/25/2008 | 12:45:08 | 0.079                     |
| 17493      | 09/25/2008 | 12:45:09 | 0.084                     |
| 17494      | 09/25/2008 | 12:45:10 | 0.088                     |
| 17495      | 09/25/2008 | 12:45:11 | 0.073                     |
| 17496      | 09/25/2008 | 12:45:12 | 0.087                     |
| 17497      | 09/25/2008 | 12:45:13 | 0.091                     |
| 17498      | 09/25/2008 | 12:45:14 | 0.096                     |
| 17499      | 09/25/2008 | 12:45:15 | 0.100                     |
| 17500      | 09/25/2008 | 12:45:16 | 0.077                     |
| 17501      | 09/25/2008 | 12:45:17 | 0.069                     |
| 17502      | 09/25/2008 | 12:45:18 | 0.073                     |
| 17503      | 09/25/2008 | 12:45:19 | 0.082                     |
| 17504      | 09/25/2008 | 12:45:20 | 0.099                     |
| 17505      | 09/25/2008 | 12:45:21 | 0.081                     |
| 17506      | 09/25/2008 | 12:45:22 | 0.076                     |
| 17507      | 09/25/2008 | 12:45:23 | 0.072                     |
| 17508      | 09/25/2008 | 12:45:24 | 0.075                     |
| 17509      | 09/25/2008 | 12:45:25 | 0.068                     |
| 17510      | 09/25/2008 | 12:45:26 | 0.079                     |
| 17511      | 09/25/2008 | 12:45:27 | 0.089                     |
| 17512      | 09/25/2008 | 12:45:28 | 0.079                     |
| 17513      | 09/25/2008 | 12:45:29 | 0.092                     |
| 17514      | 09/25/2008 | 12:45:30 | 0.117                     |
| 17515      | 09/25/2008 | 12:45:31 | 0.119                     |
| 17516      | 09/25/2008 | 12:45:32 | 0.090                     |
| 17517      | 09/25/2008 | 12:45:33 | 0.073                     |
| 17518      | 09/25/2008 | 12:45:34 | 0.070                     |
| 17519      | 09/25/2008 | 12:45:35 | 0.067                     |
| 17520      | 09/25/2008 | 12:45:36 | 0.065                     |
| 17521      | 09/25/2008 | 12:45:37 | 0.071                     |
| 17522      | 09/25/2008 | 12:45:38 | 0.061                     |
| 17523      | 09/25/2008 | 12:45:39 | 0.087                     |
| 17524      | 09/25/2008 | 12:45:40 | 0.072                     |
| 17525      | 09/25/2008 | 12:45:41 | 0.109                     |
| 17526      | 09/25/2008 | 12:45:42 | 0.072                     |
| 17527      | 09/25/2008 | 12:45:43 | 0.078                     |
| 17528      | 09/25/2008 | 12:45:44 | 0.064                     |
| 17529      | 09/25/2008 | 12:45:45 | 0.085                     |
| 17530      | 09/25/2008 | 12:45:46 | 0.067                     |
| 17531      | 09/25/2008 | 12:45:47 | 0.072                     |
| 17532      | 09/25/2008 | 12:45:48 | 0.109                     |
| 17533      | 09/25/2008 | 12:45:49 | 0.123                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 17534      | 09/25/2008 | 12:45:50 | 0.125                     |
| 17535      | 09/25/2008 | 12:45:51 | 0.071                     |
| 17536      | 09/25/2008 | 12:45:52 | 0.088                     |
| 17537      | 09/25/2008 | 12:45:53 | 0.080                     |
| 17538      | 09/25/2008 | 12:45:54 | 0.071                     |
| 17539      | 09/25/2008 | 12:45:55 | 0.086                     |
| 17540      | 09/25/2008 | 12:45:56 | 0.069                     |
| 17541      | 09/25/2008 | 12:45:57 | 0.064                     |
| 17542      | 09/25/2008 | 12:45:58 | 0.057                     |
| 17543      | 09/25/2008 | 12:45:59 | 0.056                     |
| 17544      | 09/25/2008 | 12:46:00 | 0.055                     |
| 17545      | 09/25/2008 | 12:46:01 | 0.052                     |
| 17546      | 09/25/2008 | 12:46:02 | 0.057                     |
| 17547      | 09/25/2008 | 12:46:03 | 0.053                     |
| 17548      | 09/25/2008 | 12:46:04 | 0.057                     |
| 17549      | 09/25/2008 | 12:46:05 | 0.054                     |
| 17550      | 09/25/2008 | 12:46:06 | 0.051                     |
| 17551      | 09/25/2008 | 12:46:07 | 0.054                     |
| 17552      | 09/25/2008 | 12:46:08 | 0.052                     |
| 17553      | 09/25/2008 | 12:46:09 | 0.053                     |
| 17554      | 09/25/2008 | 12:46:10 | 0.054                     |
| 17555      | 09/25/2008 | 12:46:11 | 0.054                     |
| 17556      | 09/25/2008 | 12:46:12 | 0.054                     |
| 17557      | 09/25/2008 | 12:46:13 | 0.054                     |
| 17558      | 09/25/2008 | 12:46:14 | 0.056                     |
| 17559      | 09/25/2008 | 12:46:15 | 0.075                     |
| 17560      | 09/25/2008 | 12:46:16 | 0.059                     |
| 17561      | 09/25/2008 | 12:46:17 | 0.080                     |
| 17562      | 09/25/2008 | 12:46:18 | 0.063                     |
| 17563      | 09/25/2008 | 12:46:19 | 0.051                     |
| 17564      | 09/25/2008 | 12:46:20 | 0.055                     |
| 17565      | 09/25/2008 | 12:46:21 | 0.053                     |
| 17566      | 09/25/2008 | 12:46:22 | 0.118                     |
| 17567      | 09/25/2008 | 12:46:23 | 0.056                     |
| 17568      | 09/25/2008 | 12:46:24 | 0.055                     |
| 17569      | 09/25/2008 | 12:46:25 | 0.057                     |
| 17570      | 09/25/2008 | 12:46:26 | 0.053                     |
| 17571      | 09/25/2008 | 12:46:27 | 0.053                     |
| 17572      | 09/25/2008 | 12:46:28 | 0.052                     |
| 17573      | 09/25/2008 | 12:46:29 | 0.053                     |
| 17574      | 09/25/2008 | 12:46:30 | 0.051                     |
| 17575      | 09/25/2008 | 12:46:31 | 0.077                     |
| 17576      | 09/25/2008 | 12:46:32 | 0.065                     |
| 17577      | 09/25/2008 | 12:46:33 | 0.055                     |
| 17578      | 09/25/2008 | 12:46:34 | 0.086                     |
| 17579      | 09/25/2008 | 12:46:35 | 0.056                     |
| 17580      | 09/25/2008 | 12:46:36 | 0.058                     |
| 17581      | 09/25/2008 | 12:46:37 | 0.061                     |
| 17582      | 09/25/2008 | 12:46:38 | 0.053                     |
| 17583      | 09/25/2008 | 12:46:39 | 0.057                     |
| 17584      | 09/25/2008 | 12:46:40 | 0.065                     |
| 17585      | 09/25/2008 | 12:46:41 | 0.062                     |
| 17586      | 09/25/2008 | 12:46:42 | 0.053                     |
| 17587      | 09/25/2008 | 12:46:43 | 0.054                     |
| 17588      | 09/25/2008 | 12:46:44 | 0.055                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 17589      | 09/25/2008 | 12:46:45 | 0.052                     |
| 17590      | 09/25/2008 | 12:46:46 | 0.050                     |
| 17591      | 09/25/2008 | 12:46:47 | 0.053                     |
| 17592      | 09/25/2008 | 12:46:48 | 0.054                     |
| 17593      | 09/25/2008 | 12:46:49 | 0.052                     |
| 17594      | 09/25/2008 | 12:46:50 | 0.053                     |
| 17595      | 09/25/2008 | 12:46:51 | 0.052                     |
| 17596      | 09/25/2008 | 12:46:52 | 0.062                     |
| 17597      | 09/25/2008 | 12:46:53 | 0.067                     |
| 17598      | 09/25/2008 | 12:46:54 | 0.053                     |
| 17599      | 09/25/2008 | 12:46:55 | 0.054                     |
| 17600      | 09/25/2008 | 12:46:56 | 0.053                     |
| 17601      | 09/25/2008 | 12:46:57 | 0.051                     |
| 17602      | 09/25/2008 | 12:46:58 | 0.057                     |
| 17603      | 09/25/2008 | 12:46:59 | 0.058                     |
| 17604      | 09/25/2008 | 12:47:00 | 0.057                     |
| 17605      | 09/25/2008 | 12:47:01 | 0.051                     |
| 17606      | 09/25/2008 | 12:47:02 | 0.051                     |
| 17607      | 09/25/2008 | 12:47:03 | 0.053                     |
| 17608      | 09/25/2008 | 12:47:04 | 0.050                     |
| 17609      | 09/25/2008 | 12:47:05 | 0.052                     |
| 17610      | 09/25/2008 | 12:47:06 | 0.047                     |
| 17611      | 09/25/2008 | 12:47:07 | 0.057                     |
| 17612      | 09/25/2008 | 12:47:08 | 0.057                     |
| 17613      | 09/25/2008 | 12:47:09 | 0.053                     |
| 17614      | 09/25/2008 | 12:47:10 | 0.053                     |
| 17615      | 09/25/2008 | 12:47:11 | 0.050                     |
| 17616      | 09/25/2008 | 12:47:12 | 0.055                     |
| 17617      | 09/25/2008 | 12:47:13 | 0.106                     |
| 17618      | 09/25/2008 | 12:47:14 | 0.069                     |
| 17619      | 09/25/2008 | 12:47:15 | 0.064                     |
| 17620      | 09/25/2008 | 12:47:16 | 0.054                     |
| 17621      | 09/25/2008 | 12:47:17 | 0.058                     |
| 17622      | 09/25/2008 | 12:47:18 | 0.058                     |
| 17623      | 09/25/2008 | 12:47:19 | 0.059                     |
| 17624      | 09/25/2008 | 12:47:20 | 0.054                     |
| 17625      | 09/25/2008 | 12:47:21 | 0.068                     |
| 17626      | 09/25/2008 | 12:47:22 | 0.056                     |
| 17627      | 09/25/2008 | 12:47:23 | 0.061                     |
| 17628      | 09/25/2008 | 12:47:24 | 0.056                     |
| 17629      | 09/25/2008 | 12:47:25 | 0.052                     |
| 17630      | 09/25/2008 | 12:47:26 | 0.053                     |
| 17631      | 09/25/2008 | 12:47:27 | 0.064                     |
| 17632      | 09/25/2008 | 12:47:28 | 0.069                     |
| 17633      | 09/25/2008 | 12:47:29 | 0.085                     |
| 17634      | 09/25/2008 | 12:47:30 | 0.100                     |
| 17635      | 09/25/2008 | 12:47:31 | 0.120                     |
| 17636      | 09/25/2008 | 12:47:32 | 0.072                     |
| 17637      | 09/25/2008 | 12:47:33 | 0.063                     |
| 17638      | 09/25/2008 | 12:47:34 | 0.071                     |
| 17639      | 09/25/2008 | 12:47:35 | 0.075                     |
| 17640      | 09/25/2008 | 12:47:36 | 0.081                     |
| 17641      | 09/25/2008 | 12:47:37 | 0.065                     |
| 17642      | 09/25/2008 | 12:47:38 | 0.093                     |
| 17643      | 09/25/2008 | 12:47:39 | 0.053                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 17644      | 09/25/2008 | 12:47:40 | 0.059                     |
| 17645      | 09/25/2008 | 12:47:41 | 0.063                     |
| 17646      | 09/25/2008 | 12:47:42 | 0.070                     |
| 17647      | 09/25/2008 | 12:47:43 | 0.087                     |
| 17648      | 09/25/2008 | 12:47:44 | 0.057                     |
| 17649      | 09/25/2008 | 12:47:45 | 0.068                     |
| 17650      | 09/25/2008 | 12:47:46 | 0.063                     |
| 17651      | 09/25/2008 | 12:47:47 | 0.061                     |
| 17652      | 09/25/2008 | 12:47:48 | 0.058                     |
| 17653      | 09/25/2008 | 12:47:49 | 0.065                     |
| 17654      | 09/25/2008 | 12:47:50 | 0.080                     |
| 17655      | 09/25/2008 | 12:47:51 | 0.068                     |
| 17656      | 09/25/2008 | 12:47:52 | 0.079                     |
| 17657      | 09/25/2008 | 12:47:53 | 0.081                     |
| 17658      | 09/25/2008 | 12:47:54 | 0.271                     |
| 17659      | 09/25/2008 | 12:47:55 | 0.182                     |
| 17660      | 09/25/2008 | 12:47:56 | 0.117                     |
| 17661      | 09/25/2008 | 12:47:57 | 0.105                     |
| 17662      | 09/25/2008 | 12:47:58 | 0.097                     |
| 17663      | 09/25/2008 | 12:47:59 | 0.095                     |
| 17664      | 09/25/2008 | 12:48:00 | 0.094                     |
| 17665      | 09/25/2008 | 12:48:01 | 0.077                     |
| 17666      | 09/25/2008 | 12:48:02 | 0.104                     |
| 17667      | 09/25/2008 | 12:48:03 | 0.075                     |
| 17668      | 09/25/2008 | 12:48:04 | 0.067                     |
| 17669      | 09/25/2008 | 12:48:05 | 0.083                     |
| 17670      | 09/25/2008 | 12:48:06 | 0.065                     |
| 17671      | 09/25/2008 | 12:48:07 | 0.067                     |
| 17672      | 09/25/2008 | 12:48:08 | 0.062                     |
| 17673      | 09/25/2008 | 12:48:09 | 0.080                     |
| 17674      | 09/25/2008 | 12:48:10 | 0.065                     |
| 17675      | 09/25/2008 | 12:48:11 | 0.081                     |
| 17676      | 09/25/2008 | 12:48:12 | 0.105                     |
| 17677      | 09/25/2008 | 12:48:13 | 0.079                     |
| 17678      | 09/25/2008 | 12:48:14 | 0.060                     |
| 17679      | 09/25/2008 | 12:48:15 | 0.061                     |
| 17680      | 09/25/2008 | 12:48:16 | 0.062                     |
| 17681      | 09/25/2008 | 12:48:17 | 0.097                     |
| 17682      | 09/25/2008 | 12:48:18 | 0.148                     |
| 17683      | 09/25/2008 | 12:48:19 | 0.107                     |
| 17684      | 09/25/2008 | 12:48:20 | 0.078                     |
| 17685      | 09/25/2008 | 12:48:21 | 0.075                     |
| 17686      | 09/25/2008 | 12:48:22 | 0.078                     |
| 17687      | 09/25/2008 | 12:48:23 | 0.087                     |
| 17688      | 09/25/2008 | 12:48:24 | 0.074                     |
| 17689      | 09/25/2008 | 12:48:25 | 0.070                     |
| 17690      | 09/25/2008 | 12:48:26 | 0.072                     |
| 17691      | 09/25/2008 | 12:48:27 | 0.066                     |
| 17692      | 09/25/2008 | 12:48:28 | 0.065                     |
| 17693      | 09/25/2008 | 12:48:29 | 0.064                     |
| 17694      | 09/25/2008 | 12:48:30 | 0.062                     |
| 17695      | 09/25/2008 | 12:48:31 | 0.064                     |
| 17696      | 09/25/2008 | 12:48:32 | 0.066                     |
| 17697      | 09/25/2008 | 12:48:33 | 0.075                     |
| 17698      | 09/25/2008 | 12:48:34 | 0.071                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 17699      | 09/25/2008 | 12:48:35 | 0.082                     |
| 17700      | 09/25/2008 | 12:48:36 | 0.133                     |
| 17701      | 09/25/2008 | 12:48:37 | 0.166                     |
| 17702      | 09/25/2008 | 12:48:38 | 0.161                     |
| 17703      | 09/25/2008 | 12:48:39 | 0.187                     |
| 17704      | 09/25/2008 | 12:48:40 | 0.221                     |
| 17705      | 09/25/2008 | 12:48:41 | 0.127                     |
| 17706      | 09/25/2008 | 12:48:42 | 0.097                     |
| 17707      | 09/25/2008 | 12:48:43 | 0.083                     |
| 17708      | 09/25/2008 | 12:48:44 | 0.073                     |
| 17709      | 09/25/2008 | 12:48:45 | 0.086                     |
| 17710      | 09/25/2008 | 12:48:46 | 0.105                     |
| 17711      | 09/25/2008 | 12:48:47 | 0.148                     |
| 17712      | 09/25/2008 | 12:48:48 | 0.108                     |
| 17713      | 09/25/2008 | 12:48:49 | 0.116                     |
| 17714      | 09/25/2008 | 12:48:50 | 0.186                     |
| 17715      | 09/25/2008 | 12:48:51 | 0.156                     |
| 17716      | 09/25/2008 | 12:48:52 | 0.145                     |
| 17717      | 09/25/2008 | 12:48:53 | 0.165                     |
| 17718      | 09/25/2008 | 12:48:54 | 0.126                     |
| 17719      | 09/25/2008 | 12:48:55 | 0.104                     |
| 17720      | 09/25/2008 | 12:48:56 | 0.134                     |
| 17721      | 09/25/2008 | 12:48:57 | 0.123                     |
| 17722      | 09/25/2008 | 12:48:58 | 0.115                     |
| 17723      | 09/25/2008 | 12:48:59 | 0.113                     |
| 17724      | 09/25/2008 | 12:49:00 | 0.178                     |
| 17725      | 09/25/2008 | 12:49:01 | 0.840                     |
| 17726      | 09/25/2008 | 12:49:02 | 0.638                     |
| 17727      | 09/25/2008 | 12:49:03 | 0.641                     |
| 17728      | 09/25/2008 | 12:49:04 | 0.603                     |
| 17729      | 09/25/2008 | 12:49:05 | 0.489                     |
| 17730      | 09/25/2008 | 12:49:06 | 0.350                     |
| 17731      | 09/25/2008 | 12:49:07 | 0.251                     |
| 17732      | 09/25/2008 | 12:49:08 | 0.186                     |
| 17733      | 09/25/2008 | 12:49:09 | 0.148                     |
| 17734      | 09/25/2008 | 12:49:10 | 0.126                     |
| 17735      | 09/25/2008 | 12:49:11 | 0.142                     |
| 17736      | 09/25/2008 | 12:49:12 | 0.157                     |
| 17737      | 09/25/2008 | 12:49:13 | 0.166                     |
| 17738      | 09/25/2008 | 12:49:14 | 0.149                     |
| 17739      | 09/25/2008 | 12:49:15 | 0.147                     |
| 17740      | 09/25/2008 | 12:49:16 | 0.127                     |
| 17741      | 09/25/2008 | 12:49:17 | 0.119                     |
| 17742      | 09/25/2008 | 12:49:18 | 0.114                     |
| 17743      | 09/25/2008 | 12:49:19 | 0.100                     |
| 17744      | 09/25/2008 | 12:49:20 | 0.082                     |
| 17745      | 09/25/2008 | 12:49:21 | 0.076                     |
| 17746      | 09/25/2008 | 12:49:22 | 0.074                     |
| 17747      | 09/25/2008 | 12:49:23 | 0.073                     |
| 17748      | 09/25/2008 | 12:49:24 | 0.078                     |
| 17749      | 09/25/2008 | 12:49:25 | 0.084                     |
| 17750      | 09/25/2008 | 12:49:26 | 0.111                     |
| 17751      | 09/25/2008 | 12:49:27 | 0.094                     |
| 17752      | 09/25/2008 | 12:49:28 | 0.078                     |
| 17753      | 09/25/2008 | 12:49:29 | 0.110                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 17754      | 09/25/2008 | 12:49:30 | 0.106                     |
| 17755      | 09/25/2008 | 12:49:31 | 0.115                     |
| 17756      | 09/25/2008 | 12:49:32 | 0.104                     |
| 17757      | 09/25/2008 | 12:49:33 | 0.149                     |
| 17758      | 09/25/2008 | 12:49:34 | 0.129                     |
| 17759      | 09/25/2008 | 12:49:35 | 0.105                     |
| 17760      | 09/25/2008 | 12:49:36 | 0.094                     |
| 17761      | 09/25/2008 | 12:49:37 | 0.110                     |
| 17762      | 09/25/2008 | 12:49:38 | 0.104                     |
| 17763      | 09/25/2008 | 12:49:39 | 0.094                     |
| 17764      | 09/25/2008 | 12:49:40 | 0.101                     |
| 17765      | 09/25/2008 | 12:49:41 | 0.107                     |
| 17766      | 09/25/2008 | 12:49:42 | 0.119                     |
| 17767      | 09/25/2008 | 12:49:43 | 0.137                     |
| 17768      | 09/25/2008 | 12:49:44 | 0.117                     |
| 17769      | 09/25/2008 | 12:49:45 | 0.106                     |
| 17770      | 09/25/2008 | 12:49:46 | 0.099                     |
| 17771      | 09/25/2008 | 12:49:47 | 0.150                     |
| 17772      | 09/25/2008 | 12:49:48 | 0.158                     |
| 17773      | 09/25/2008 | 12:49:49 | 0.154                     |
| 17774      | 09/25/2008 | 12:49:50 | 0.113                     |
| 17775      | 09/25/2008 | 12:49:51 | 0.092                     |
| 17776      | 09/25/2008 | 12:49:52 | 0.082                     |
| 17777      | 09/25/2008 | 12:49:53 | 0.078                     |
| 17778      | 09/25/2008 | 12:49:54 | 0.074                     |
| 17779      | 09/25/2008 | 12:49:55 | 0.082                     |
| 17780      | 09/25/2008 | 12:49:56 | 0.082                     |
| 17781      | 09/25/2008 | 12:49:57 | 0.065                     |
| 17782      | 09/25/2008 | 12:49:58 | 0.068                     |
| 17783      | 09/25/2008 | 12:49:59 | 0.063                     |
| 17784      | 09/25/2008 | 12:50:00 | 0.067                     |
| 17785      | 09/25/2008 | 12:50:01 | 0.062                     |
| 17786      | 09/25/2008 | 12:50:02 | 0.079                     |
| 17787      | 09/25/2008 | 12:50:03 | 0.060                     |
| 17788      | 09/25/2008 | 12:50:04 | 0.068                     |
| 17789      | 09/25/2008 | 12:50:05 | 0.090                     |
| 17790      | 09/25/2008 | 12:50:06 | 0.067                     |
| 17791      | 09/25/2008 | 12:50:07 | 0.064                     |
| 17792      | 09/25/2008 | 12:50:08 | 0.095                     |
| 17793      | 09/25/2008 | 12:50:09 | 0.110                     |
| 17794      | 09/25/2008 | 12:50:10 | 0.087                     |
| 17795      | 09/25/2008 | 12:50:11 | 0.086                     |
| 17796      | 09/25/2008 | 12:50:12 | 0.058                     |
| 17797      | 09/25/2008 | 12:50:13 | 0.052                     |
| 17798      | 09/25/2008 | 12:50:14 | 0.056                     |
| 17799      | 09/25/2008 | 12:50:15 | 0.073                     |
| 17800      | 09/25/2008 | 12:50:16 | 0.066                     |
| 17801      | 09/25/2008 | 12:50:17 | 0.060                     |
| 17802      | 09/25/2008 | 12:50:18 | 0.054                     |
| 17803      | 09/25/2008 | 12:50:19 | 0.057                     |
| 17804      | 09/25/2008 | 12:50:20 | 0.053                     |
| 17805      | 09/25/2008 | 12:50:21 | 0.057                     |
| 17806      | 09/25/2008 | 12:50:22 | 0.057                     |
| 17807      | 09/25/2008 | 12:50:23 | 0.055                     |
| 17808      | 09/25/2008 | 12:50:24 | 0.055                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 17809      | 09/25/2008 | 12:50:25 | 0.074                     |
| 17810      | 09/25/2008 | 12:50:26 | 0.058                     |
| 17811      | 09/25/2008 | 12:50:27 | 0.056                     |
| 17812      | 09/25/2008 | 12:50:28 | 0.053                     |
| 17813      | 09/25/2008 | 12:50:29 | 0.055                     |
| 17814      | 09/25/2008 | 12:50:30 | 0.052                     |
| 17815      | 09/25/2008 | 12:50:31 | 0.085                     |
| 17816      | 09/25/2008 | 12:50:32 | 0.081                     |
| 17817      | 09/25/2008 | 12:50:33 | 0.058                     |
| 17818      | 09/25/2008 | 12:50:34 | 0.058                     |
| 17819      | 09/25/2008 | 12:50:35 | 0.054                     |
| 17820      | 09/25/2008 | 12:50:36 | 0.053                     |
| 17821      | 09/25/2008 | 12:50:37 | 0.060                     |
| 17822      | 09/25/2008 | 12:50:38 | 0.056                     |
| 17823      | 09/25/2008 | 12:50:39 | 0.050                     |
| 17824      | 09/25/2008 | 12:50:40 | 0.050                     |
| 17825      | 09/25/2008 | 12:50:41 | 0.052                     |
| 17826      | 09/25/2008 | 12:50:42 | 0.049                     |
| 17827      | 09/25/2008 | 12:50:43 | 0.053                     |
| 17828      | 09/25/2008 | 12:50:44 | 0.054                     |
| 17829      | 09/25/2008 | 12:50:45 | 0.053                     |
| 17830      | 09/25/2008 | 12:50:46 | 0.053                     |
| 17831      | 09/25/2008 | 12:50:47 | 0.060                     |
| 17832      | 09/25/2008 | 12:50:48 | 0.053                     |
| 17833      | 09/25/2008 | 12:50:49 | 0.104                     |
| 17834      | 09/25/2008 | 12:50:50 | 0.107                     |
| 17835      | 09/25/2008 | 12:50:51 | 0.074                     |
| 17836      | 09/25/2008 | 12:50:52 | 0.089                     |
| 17837      | 09/25/2008 | 12:50:53 | 0.145                     |
| 17838      | 09/25/2008 | 12:50:54 | 0.068                     |
| 17839      | 09/25/2008 | 12:50:55 | 0.068                     |
| 17840      | 09/25/2008 | 12:50:56 | 0.133                     |
| 17841      | 09/25/2008 | 12:50:57 | 0.256                     |
| 17842      | 09/25/2008 | 12:50:58 | 0.098                     |
| 17843      | 09/25/2008 | 12:50:59 | 0.096                     |
| 17844      | 09/25/2008 | 12:51:00 | 0.085                     |
| 17845      | 09/25/2008 | 12:51:01 | 0.121                     |
| 17846      | 09/25/2008 | 12:51:02 | 0.123                     |
| 17847      | 09/25/2008 | 12:51:03 | 0.108                     |
| 17848      | 09/25/2008 | 12:51:04 | 0.088                     |
| 17849      | 09/25/2008 | 12:51:05 | 0.068                     |
| 17850      | 09/25/2008 | 12:51:06 | 0.063                     |
| 17851      | 09/25/2008 | 12:51:07 | 0.062                     |
| 17852      | 09/25/2008 | 12:51:08 | 0.056                     |
| 17853      | 09/25/2008 | 12:51:09 | 0.058                     |
| 17854      | 09/25/2008 | 12:51:10 | 0.054                     |
| 17855      | 09/25/2008 | 12:51:11 | 0.067                     |
| 17856      | 09/25/2008 | 12:51:12 | 0.063                     |
| 17857      | 09/25/2008 | 12:51:13 | 0.056                     |
| 17858      | 09/25/2008 | 12:51:14 | 0.058                     |
| 17859      | 09/25/2008 | 12:51:15 | 0.052                     |
| 17860      | 09/25/2008 | 12:51:16 | 0.053                     |
| 17861      | 09/25/2008 | 12:51:17 | 0.061                     |
| 17862      | 09/25/2008 | 12:51:18 | 0.069                     |
| 17863      | 09/25/2008 | 12:51:19 | 0.051                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 17864      | 09/25/2008 | 12:51:20 | 0.053                     |
| 17865      | 09/25/2008 | 12:51:21 | 0.053                     |
| 17866      | 09/25/2008 | 12:51:22 | 0.055                     |
| 17867      | 09/25/2008 | 12:51:23 | 0.054                     |
| 17868      | 09/25/2008 | 12:51:24 | 0.054                     |
| 17869      | 09/25/2008 | 12:51:25 | 0.054                     |
| 17870      | 09/25/2008 | 12:51:26 | 0.054                     |
| 17871      | 09/25/2008 | 12:51:27 | 0.052                     |
| 17872      | 09/25/2008 | 12:51:28 | 0.054                     |
| 17873      | 09/25/2008 | 12:51:29 | 0.052                     |
| 17874      | 09/25/2008 | 12:51:30 | 0.051                     |
| 17875      | 09/25/2008 | 12:51:31 | 0.053                     |
| 17876      | 09/25/2008 | 12:51:32 | 0.060                     |
| 17877      | 09/25/2008 | 12:51:33 | 0.053                     |
| 17878      | 09/25/2008 | 12:51:34 | 0.057                     |
| 17879      | 09/25/2008 | 12:51:35 | 0.051                     |
| 17880      | 09/25/2008 | 12:51:36 | 0.050                     |
| 17881      | 09/25/2008 | 12:51:37 | 0.052                     |
| 17882      | 09/25/2008 | 12:51:38 | 0.053                     |
| 17883      | 09/25/2008 | 12:51:39 | 0.052                     |
| 17884      | 09/25/2008 | 12:51:40 | 0.056                     |
| 17885      | 09/25/2008 | 12:51:41 | 0.051                     |
| 17886      | 09/25/2008 | 12:51:42 | 0.054                     |
| 17887      | 09/25/2008 | 12:51:43 | 0.055                     |
| 17888      | 09/25/2008 | 12:51:44 | 0.050                     |
| 17889      | 09/25/2008 | 12:51:45 | 0.053                     |
| 17890      | 09/25/2008 | 12:51:46 | 0.057                     |
| 17891      | 09/25/2008 | 12:51:47 | 0.060                     |
| 17892      | 09/25/2008 | 12:51:48 | 0.059                     |
| 17893      | 09/25/2008 | 12:51:49 | 0.056                     |
| 17894      | 09/25/2008 | 12:51:50 | 0.061                     |
| 17895      | 09/25/2008 | 12:51:51 | 0.059                     |
| 17896      | 09/25/2008 | 12:51:52 | 0.052                     |
| 17897      | 09/25/2008 | 12:51:53 | 0.053                     |
| 17898      | 09/25/2008 | 12:51:54 | 0.053                     |
| 17899      | 09/25/2008 | 12:51:55 | 0.082                     |
| 17900      | 09/25/2008 | 12:51:56 | 0.052                     |
| 17901      | 09/25/2008 | 12:51:57 | 0.058                     |
| 17902      | 09/25/2008 | 12:51:58 | 0.277                     |
| 17903      | 09/25/2008 | 12:51:59 | 0.195                     |
| 17904      | 09/25/2008 | 12:52:00 | 0.162                     |
| 17905      | 09/25/2008 | 12:52:01 | 0.159                     |
| 17906      | 09/25/2008 | 12:52:02 | 0.145                     |
| 17907      | 09/25/2008 | 12:52:03 | 0.124                     |
| 17908      | 09/25/2008 | 12:52:04 | 0.125                     |
| 17909      | 09/25/2008 | 12:52:05 | 0.163                     |
| 17910      | 09/25/2008 | 12:52:06 | 0.130                     |
| 17911      | 09/25/2008 | 12:52:07 | 0.107                     |
| 17912      | 09/25/2008 | 12:52:08 | 0.112                     |
| 17913      | 09/25/2008 | 12:52:09 | 0.154                     |
| 17914      | 09/25/2008 | 12:52:10 | 0.136                     |
| 17915      | 09/25/2008 | 12:52:11 | 0.120                     |
| 17916      | 09/25/2008 | 12:52:12 | 0.084                     |
| 17917      | 09/25/2008 | 12:52:13 | 0.102                     |
| 17918      | 09/25/2008 | 12:52:14 | 0.112                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 17919      | 09/25/2008 | 12:52:15 | 0.108                     |
| 17920      | 09/25/2008 | 12:52:16 | 0.093                     |
| 17921      | 09/25/2008 | 12:52:17 | 0.120                     |
| 17922      | 09/25/2008 | 12:52:18 | 0.172                     |
| 17923      | 09/25/2008 | 12:52:19 | 0.363                     |
| 17924      | 09/25/2008 | 12:52:20 | 0.244                     |
| 17925      | 09/25/2008 | 12:52:21 | 0.177                     |
| 17926      | 09/25/2008 | 12:52:22 | 0.186                     |
| 17927      | 09/25/2008 | 12:52:23 | 0.201                     |
| 17928      | 09/25/2008 | 12:52:24 | 0.188                     |
| 17929      | 09/25/2008 | 12:52:25 | 0.125                     |
| 17930      | 09/25/2008 | 12:52:26 | 0.116                     |
| 17931      | 09/25/2008 | 12:52:27 | 0.105                     |
| 17932      | 09/25/2008 | 12:52:28 | 0.113                     |
| 17933      | 09/25/2008 | 12:52:29 | 0.213                     |
| 17934      | 09/25/2008 | 12:52:30 | 0.234                     |
| 17935      | 09/25/2008 | 12:52:31 | 0.190                     |
| 17936      | 09/25/2008 | 12:52:32 | 0.217                     |
| 17937      | 09/25/2008 | 12:52:33 | 0.229                     |
| 17938      | 09/25/2008 | 12:52:34 | 0.150                     |
| 17939      | 09/25/2008 | 12:52:35 | 0.129                     |
| 17940      | 09/25/2008 | 12:52:36 | 0.140                     |
| 17941      | 09/25/2008 | 12:52:37 | 0.106                     |
| 17942      | 09/25/2008 | 12:52:38 | 0.083                     |
| 17943      | 09/25/2008 | 12:52:39 | 0.072                     |
| 17944      | 09/25/2008 | 12:52:40 | 0.077                     |
| 17945      | 09/25/2008 | 12:52:41 | 0.080                     |
| 17946      | 09/25/2008 | 12:52:42 | 0.072                     |
| 17947      | 09/25/2008 | 12:52:43 | 0.073                     |
| 17948      | 09/25/2008 | 12:52:44 | 0.075                     |
| 17949      | 09/25/2008 | 12:52:45 | 0.067                     |
| 17950      | 09/25/2008 | 12:52:46 | 0.059                     |
| 17951      | 09/25/2008 | 12:52:47 | 0.059                     |
| 17952      | 09/25/2008 | 12:52:48 | 0.056                     |
| 17953      | 09/25/2008 | 12:52:49 | 0.060                     |
| 17954      | 09/25/2008 | 12:52:50 | 0.175                     |
| 17955      | 09/25/2008 | 12:52:51 | 0.165                     |
| 17956      | 09/25/2008 | 12:52:52 | 0.135                     |
| 17957      | 09/25/2008 | 12:52:53 | 0.107                     |
| 17958      | 09/25/2008 | 12:52:54 | 0.095                     |
| 17959      | 09/25/2008 | 12:52:55 | 0.087                     |
| 17960      | 09/25/2008 | 12:52:56 | 0.061                     |
| 17961      | 09/25/2008 | 12:52:57 | 0.067                     |
| 17962      | 09/25/2008 | 12:52:58 | 0.064                     |
| 17963      | 09/25/2008 | 12:52:59 | 0.072                     |
| 17964      | 09/25/2008 | 12:53:00 | 0.055                     |
| 17965      | 09/25/2008 | 12:53:01 | 0.077                     |
| 17966      | 09/25/2008 | 12:53:02 | 0.053                     |
| 17967      | 09/25/2008 | 12:53:03 | 0.056                     |
| 17968      | 09/25/2008 | 12:53:04 | 0.061                     |
| 17969      | 09/25/2008 | 12:53:05 | 0.054                     |
| 17970      | 09/25/2008 | 12:53:06 | 0.049                     |
| 17971      | 09/25/2008 | 12:53:07 | 0.058                     |
| 17972      | 09/25/2008 | 12:53:08 | 0.058                     |
| 17973      | 09/25/2008 | 12:53:09 | 0.053                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 17974      | 09/25/2008 | 12:53:10 | 0.056                     |
| 17975      | 09/25/2008 | 12:53:11 | 0.056                     |
| 17976      | 09/25/2008 | 12:53:12 | 0.049                     |
| 17977      | 09/25/2008 | 12:53:13 | 0.056                     |
| 17978      | 09/25/2008 | 12:53:14 | 0.054                     |
| 17979      | 09/25/2008 | 12:53:15 | 0.060                     |
| 17980      | 09/25/2008 | 12:53:16 | 0.051                     |
| 17981      | 09/25/2008 | 12:53:17 | 0.055                     |
| 17982      | 09/25/2008 | 12:53:18 | 0.055                     |
| 17983      | 09/25/2008 | 12:53:19 | 0.055                     |
| 17984      | 09/25/2008 | 12:53:20 | 0.050                     |
| 17985      | 09/25/2008 | 12:53:21 | 0.053                     |
| 17986      | 09/25/2008 | 12:53:22 | 0.053                     |
| 17987      | 09/25/2008 | 12:53:23 | 0.057                     |
| 17988      | 09/25/2008 | 12:53:24 | 0.060                     |
| 17989      | 09/25/2008 | 12:53:25 | 0.053                     |
| 17990      | 09/25/2008 | 12:53:26 | 0.053                     |
| 17991      | 09/25/2008 | 12:53:27 | 0.051                     |
| 17992      | 09/25/2008 | 12:53:28 | 0.051                     |
| 17993      | 09/25/2008 | 12:53:29 | 0.053                     |
| 17994      | 09/25/2008 | 12:53:30 | 0.053                     |
| 17995      | 09/25/2008 | 12:53:31 | 0.049                     |
| 17996      | 09/25/2008 | 12:53:32 | 0.051                     |
| 17997      | 09/25/2008 | 12:53:33 | 0.052                     |
| 17998      | 09/25/2008 | 12:53:34 | 0.055                     |
| 17999      | 09/25/2008 | 12:53:35 | 0.050                     |
| 18000      | 09/25/2008 | 12:53:36 | 0.056                     |
| 18001      | 09/25/2008 | 12:53:37 | 0.056                     |
| 18002      | 09/25/2008 | 12:53:38 | 0.063                     |
| 18003      | 09/25/2008 | 12:53:39 | 0.057                     |
| 18004      | 09/25/2008 | 12:53:40 | 0.055                     |
| 18005      | 09/25/2008 | 12:53:41 | 0.054                     |
| 18006      | 09/25/2008 | 12:53:42 | 0.051                     |
| 18007      | 09/25/2008 | 12:53:43 | 0.052                     |
| 18008      | 09/25/2008 | 12:53:44 | 0.059                     |
| 18009      | 09/25/2008 | 12:53:45 | 0.052                     |
| 18010      | 09/25/2008 | 12:53:46 | 0.053                     |
| 18011      | 09/25/2008 | 12:53:47 | 0.052                     |
| 18012      | 09/25/2008 | 12:53:48 | 0.054                     |
| 18013      | 09/25/2008 | 12:53:49 | 0.052                     |
| 18014      | 09/25/2008 | 12:53:50 | 0.074                     |
| 18015      | 09/25/2008 | 12:53:51 | 0.057                     |
| 18016      | 09/25/2008 | 12:53:52 | 0.054                     |
| 18017      | 09/25/2008 | 12:53:53 | 0.056                     |
| 18018      | 09/25/2008 | 12:53:54 | 0.058                     |
| 18019      | 09/25/2008 | 12:53:55 | 0.054                     |
| 18020      | 09/25/2008 | 12:53:56 | 0.051                     |
| 18021      | 09/25/2008 | 12:53:57 | 0.060                     |
| 18022      | 09/25/2008 | 12:53:58 | 0.051                     |
| 18023      | 09/25/2008 | 12:53:59 | 0.054                     |
| 18024      | 09/25/2008 | 12:54:00 | 0.056                     |
| 18025      | 09/25/2008 | 12:54:01 | 0.056                     |
| 18026      | 09/25/2008 | 12:54:02 | 0.054                     |
| 18027      | 09/25/2008 | 12:54:03 | 0.066                     |
| 18028      | 09/25/2008 | 12:54:04 | 0.057                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 18029      | 09/25/2008 | 12:54:05 | 0.053                     |
| 18030      | 09/25/2008 | 12:54:06 | 0.049                     |
| 18031      | 09/25/2008 | 12:54:07 | 0.052                     |
| 18032      | 09/25/2008 | 12:54:08 | 0.056                     |
| 18033      | 09/25/2008 | 12:54:09 | 0.055                     |
| 18034      | 09/25/2008 | 12:54:10 | 0.055                     |
| 18035      | 09/25/2008 | 12:54:11 | 0.061                     |
| 18036      | 09/25/2008 | 12:54:12 | 0.049                     |
| 18037      | 09/25/2008 | 12:54:13 | 0.060                     |
| 18038      | 09/25/2008 | 12:54:14 | 0.059                     |
| 18039      | 09/25/2008 | 12:54:15 | 0.054                     |
| 18040      | 09/25/2008 | 12:54:16 | 0.052                     |
| 18041      | 09/25/2008 | 12:54:17 | 0.059                     |
| 18042      | 09/25/2008 | 12:54:18 | 0.054                     |
| 18043      | 09/25/2008 | 12:54:19 | 0.051                     |
| 18044      | 09/25/2008 | 12:54:20 | 0.053                     |
| 18045      | 09/25/2008 | 12:54:21 | 0.054                     |
| 18046      | 09/25/2008 | 12:54:22 | 0.057                     |
| 18047      | 09/25/2008 | 12:54:23 | 0.055                     |
| 18048      | 09/25/2008 | 12:54:24 | 0.060                     |
| 18049      | 09/25/2008 | 12:54:25 | 0.060                     |
| 18050      | 09/25/2008 | 12:54:26 | 0.052                     |
| 18051      | 09/25/2008 | 12:54:27 | 0.060                     |
| 18052      | 09/25/2008 | 12:54:28 | 0.056                     |
| 18053      | 09/25/2008 | 12:54:29 | 0.052                     |
| 18054      | 09/25/2008 | 12:54:30 | 0.054                     |
| 18055      | 09/25/2008 | 12:54:31 | 0.083                     |
| 18056      | 09/25/2008 | 12:54:32 | 0.106                     |
| 18057      | 09/25/2008 | 12:54:33 | 0.066                     |
| 18058      | 09/25/2008 | 12:54:34 | 0.059                     |
| 18059      | 09/25/2008 | 12:54:35 | 0.062                     |
| 18060      | 09/25/2008 | 12:54:36 | 0.055                     |
| 18061      | 09/25/2008 | 12:54:37 | 0.056                     |
| 18062      | 09/25/2008 | 12:54:38 | 0.060                     |
| 18063      | 09/25/2008 | 12:54:39 | 0.050                     |
| 18064      | 09/25/2008 | 12:54:40 | 0.052                     |
| 18065      | 09/25/2008 | 12:54:41 | 0.059                     |
| 18066      | 09/25/2008 | 12:54:42 | 0.053                     |
| 18067      | 09/25/2008 | 12:54:43 | 0.054                     |
| 18068      | 09/25/2008 | 12:54:44 | 0.065                     |
| 18069      | 09/25/2008 | 12:54:45 | 0.081                     |
| 18070      | 09/25/2008 | 12:54:46 | 0.107                     |
| 18071      | 09/25/2008 | 12:54:47 | 0.058                     |
| 18072      | 09/25/2008 | 12:54:48 | 0.054                     |
| 18073      | 09/25/2008 | 12:54:49 | 0.053                     |
| 18074      | 09/25/2008 | 12:54:50 | 0.054                     |
| 18075      | 09/25/2008 | 12:54:51 | 0.056                     |
| 18076      | 09/25/2008 | 12:54:52 | 0.053                     |
| 18077      | 09/25/2008 | 12:54:53 | 0.050                     |
| 18078      | 09/25/2008 | 12:54:54 | 0.052                     |
| 18079      | 09/25/2008 | 12:54:55 | 0.052                     |
| 18080      | 09/25/2008 | 12:54:56 | 0.059                     |
| 18081      | 09/25/2008 | 12:54:57 | 0.070                     |
| 18082      | 09/25/2008 | 12:54:58 | 0.062                     |
| 18083      | 09/25/2008 | 12:54:59 | 0.064                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 18084      | 09/25/2008 | 12:55:00 | 0.061                     |
| 18085      | 09/25/2008 | 12:55:01 | 0.059                     |
| 18086      | 09/25/2008 | 12:55:02 | 0.050                     |
| 18087      | 09/25/2008 | 12:55:03 | 0.055                     |
| 18088      | 09/25/2008 | 12:55:04 | 0.063                     |
| 18089      | 09/25/2008 | 12:55:05 | 0.060                     |
| 18090      | 09/25/2008 | 12:55:06 | 0.206                     |
| 18091      | 09/25/2008 | 12:55:07 | 0.223                     |
| 18092      | 09/25/2008 | 12:55:08 | 0.200                     |
| 18093      | 09/25/2008 | 12:55:09 | 0.187                     |
| 18094      | 09/25/2008 | 12:55:10 | 0.160                     |
| 18095      | 09/25/2008 | 12:55:11 | 0.121                     |
| 18096      | 09/25/2008 | 12:55:12 | 0.121                     |
| 18097      | 09/25/2008 | 12:55:13 | 0.099                     |
| 18098      | 09/25/2008 | 12:55:14 | 0.107                     |
| 18099      | 09/25/2008 | 12:55:15 | 0.117                     |
| 18100      | 09/25/2008 | 12:55:16 | 0.136                     |
| 18101      | 09/25/2008 | 12:55:17 | 0.119                     |
| 18102      | 09/25/2008 | 12:55:18 | 0.116                     |
| 18103      | 09/25/2008 | 12:55:19 | 0.101                     |
| 18104      | 09/25/2008 | 12:55:20 | 0.077                     |
| 18105      | 09/25/2008 | 12:55:21 | 0.075                     |
| 18106      | 09/25/2008 | 12:55:22 | 0.077                     |
| 18107      | 09/25/2008 | 12:55:23 | 0.068                     |
| 18108      | 09/25/2008 | 12:55:24 | 0.063                     |
| 18109      | 09/25/2008 | 12:55:25 | 0.067                     |
| 18110      | 09/25/2008 | 12:55:26 | 0.067                     |
| 18111      | 09/25/2008 | 12:55:27 | 0.095                     |
| 18112      | 09/25/2008 | 12:55:28 | 0.080                     |
| 18113      | 09/25/2008 | 12:55:29 | 0.112                     |
| 18114      | 09/25/2008 | 12:55:30 | 0.070                     |
| 18115      | 09/25/2008 | 12:55:31 | 0.181                     |
| 18116      | 09/25/2008 | 12:55:32 | 0.066                     |
| 18117      | 09/25/2008 | 12:55:33 | 0.056                     |
| 18118      | 09/25/2008 | 12:55:34 | 0.056                     |
| 18119      | 09/25/2008 | 12:55:35 | 0.057                     |
| 18120      | 09/25/2008 | 12:55:36 | 0.059                     |
| 18121      | 09/25/2008 | 12:55:37 | 0.058                     |
| 18122      | 09/25/2008 | 12:55:38 | 0.053                     |
| 18123      | 09/25/2008 | 12:55:39 | 0.054                     |
| 18124      | 09/25/2008 | 12:55:40 | 0.062                     |
| 18125      | 09/25/2008 | 12:55:41 | 0.063                     |
| 18126      | 09/25/2008 | 12:55:42 | 0.054                     |
| 18127      | 09/25/2008 | 12:55:43 | 0.059                     |
| 18128      | 09/25/2008 | 12:55:44 | 0.054                     |
| 18129      | 09/25/2008 | 12:55:45 | 0.061                     |
| 18130      | 09/25/2008 | 12:55:46 | 0.069                     |
| 18131      | 09/25/2008 | 12:55:47 | 0.063                     |
| 18132      | 09/25/2008 | 12:55:48 | 0.073                     |
| 18133      | 09/25/2008 | 12:55:49 | 0.082                     |
| 18134      | 09/25/2008 | 12:55:50 | 0.098                     |
| 18135      | 09/25/2008 | 12:55:51 | 0.096                     |
| 18136      | 09/25/2008 | 12:55:52 | 0.100                     |
| 18137      | 09/25/2008 | 12:55:53 | 0.078                     |
| 18138      | 09/25/2008 | 12:55:54 | 0.063                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 18139      | 09/25/2008 | 12:55:55 | 0.081                     |
| 18140      | 09/25/2008 | 12:55:56 | 0.064                     |
| 18141      | 09/25/2008 | 12:55:57 | 0.093                     |
| 18142      | 09/25/2008 | 12:55:58 | 0.102                     |
| 18143      | 09/25/2008 | 12:55:59 | 0.161                     |
| 18144      | 09/25/2008 | 12:56:00 | 0.138                     |
| 18145      | 09/25/2008 | 12:56:01 | 0.113                     |
| 18146      | 09/25/2008 | 12:56:02 | 0.071                     |
| 18147      | 09/25/2008 | 12:56:03 | 0.064                     |
| 18148      | 09/25/2008 | 12:56:04 | 0.065                     |
| 18149      | 09/25/2008 | 12:56:05 | 0.071                     |
| 18150      | 09/25/2008 | 12:56:06 | 0.078                     |
| 18151      | 09/25/2008 | 12:56:07 | 0.072                     |
| 18152      | 09/25/2008 | 12:56:08 | 0.069                     |
| 18153      | 09/25/2008 | 12:56:09 | 0.083                     |
| 18154      | 09/25/2008 | 12:56:10 | 0.089                     |
| 18155      | 09/25/2008 | 12:56:11 | 0.101                     |
| 18156      | 09/25/2008 | 12:56:12 | 0.099                     |
| 18157      | 09/25/2008 | 12:56:13 | 0.080                     |
| 18158      | 09/25/2008 | 12:56:14 | 0.108                     |
| 18159      | 09/25/2008 | 12:56:15 | 0.111                     |
| 18160      | 09/25/2008 | 12:56:16 | 0.094                     |
| 18161      | 09/25/2008 | 12:56:17 | 0.084                     |
| 18162      | 09/25/2008 | 12:56:18 | 0.096                     |
| 18163      | 09/25/2008 | 12:56:19 | 0.086                     |
| 18164      | 09/25/2008 | 12:56:20 | 0.083                     |
| 18165      | 09/25/2008 | 12:56:21 | 0.092                     |
| 18166      | 09/25/2008 | 12:56:22 | 0.083                     |
| 18167      | 09/25/2008 | 12:56:23 | 0.078                     |
| 18168      | 09/25/2008 | 12:56:24 | 0.073                     |
| 18169      | 09/25/2008 | 12:56:25 | 0.070                     |
| 18170      | 09/25/2008 | 12:56:26 | 0.081                     |
| 18171      | 09/25/2008 | 12:56:27 | 0.209                     |
| 18172      | 09/25/2008 | 12:56:28 | 0.072                     |
| 18173      | 09/25/2008 | 12:56:29 | 0.092                     |
| 18174      | 09/25/2008 | 12:56:30 | 0.140                     |
| 18175      | 09/25/2008 | 12:56:31 | 0.119                     |
| 18176      | 09/25/2008 | 12:56:32 | 0.097                     |
| 18177      | 09/25/2008 | 12:56:33 | 0.090                     |
| 18178      | 09/25/2008 | 12:56:34 | 0.074                     |
| 18179      | 09/25/2008 | 12:56:35 | 0.116                     |
| 18180      | 09/25/2008 | 12:56:36 | 0.060                     |
| 18181      | 09/25/2008 | 12:56:37 | 0.059                     |
| 18182      | 09/25/2008 | 12:56:38 | 0.065                     |
| 18183      | 09/25/2008 | 12:56:39 | 0.072                     |
| 18184      | 09/25/2008 | 12:56:40 | 0.058                     |
| 18185      | 09/25/2008 | 12:56:41 | 0.058                     |
| 18186      | 09/25/2008 | 12:56:42 | 0.063                     |
| 18187      | 09/25/2008 | 12:56:43 | 0.071                     |
| 18188      | 09/25/2008 | 12:56:44 | 0.065                     |
| 18189      | 09/25/2008 | 12:56:45 | 0.063                     |
| 18190      | 09/25/2008 | 12:56:46 | 0.064                     |
| 18191      | 09/25/2008 | 12:56:47 | 0.066                     |
| 18192      | 09/25/2008 | 12:56:48 | 0.101                     |
| 18193      | 09/25/2008 | 12:56:49 | 0.085                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 18194      | 09/25/2008 | 12:56:50 | 0.060                     |
| 18195      | 09/25/2008 | 12:56:51 | 0.060                     |
| 18196      | 09/25/2008 | 12:56:52 | 0.059                     |
| 18197      | 09/25/2008 | 12:56:53 | 0.062                     |
| 18198      | 09/25/2008 | 12:56:54 | 0.080                     |
| 18199      | 09/25/2008 | 12:56:55 | 0.111                     |
| 18200      | 09/25/2008 | 12:56:56 | 0.081                     |
| 18201      | 09/25/2008 | 12:56:57 | 0.061                     |
| 18202      | 09/25/2008 | 12:56:58 | 0.058                     |
| 18203      | 09/25/2008 | 12:56:59 | 0.057                     |
| 18204      | 09/25/2008 | 12:57:00 | 0.061                     |
| 18205      | 09/25/2008 | 12:57:01 | 0.057                     |
| 18206      | 09/25/2008 | 12:57:02 | 0.053                     |
| 18207      | 09/25/2008 | 12:57:03 | 0.059                     |
| 18208      | 09/25/2008 | 12:57:04 | 0.055                     |
| 18209      | 09/25/2008 | 12:57:05 | 0.055                     |
| 18210      | 09/25/2008 | 12:57:06 | 0.060                     |
| 18211      | 09/25/2008 | 12:57:07 | 0.057                     |
| 18212      | 09/25/2008 | 12:57:08 | 0.068                     |
| 18213      | 09/25/2008 | 12:57:09 | 0.049                     |
| 18214      | 09/25/2008 | 12:57:10 | 0.055                     |
| 18215      | 09/25/2008 | 12:57:11 | 0.060                     |
| 18216      | 09/25/2008 | 12:57:12 | 0.054                     |
| 18217      | 09/25/2008 | 12:57:13 | 0.063                     |
| 18218      | 09/25/2008 | 12:57:14 | 0.065                     |
| 18219      | 09/25/2008 | 12:57:15 | 0.053                     |
| 18220      | 09/25/2008 | 12:57:16 | 0.053                     |
| 18221      | 09/25/2008 | 12:57:17 | 0.052                     |
| 18222      | 09/25/2008 | 12:57:18 | 0.055                     |
| 18223      | 09/25/2008 | 12:57:19 | 0.060                     |
| 18224      | 09/25/2008 | 12:57:20 | 0.049                     |
| 18225      | 09/25/2008 | 12:57:21 | 0.060                     |
| 18226      | 09/25/2008 | 12:57:22 | 0.052                     |
| 18227      | 09/25/2008 | 12:57:23 | 0.053                     |
| 18228      | 09/25/2008 | 12:57:24 | 0.070                     |
| 18229      | 09/25/2008 | 12:57:25 | 0.059                     |
| 18230      | 09/25/2008 | 12:57:26 | 0.054                     |
| 18231      | 09/25/2008 | 12:57:27 | 0.050                     |
| 18232      | 09/25/2008 | 12:57:28 | 0.056                     |
| 18233      | 09/25/2008 | 12:57:29 | 0.057                     |
| 18234      | 09/25/2008 | 12:57:30 | 0.052                     |
| 18235      | 09/25/2008 | 12:57:31 | 0.054                     |
| 18236      | 09/25/2008 | 12:57:32 | 0.055                     |
| 18237      | 09/25/2008 | 12:57:33 | 0.062                     |
| 18238      | 09/25/2008 | 12:57:34 | 0.072                     |
| 18239      | 09/25/2008 | 12:57:35 | 0.062                     |
| 18240      | 09/25/2008 | 12:57:36 | 0.058                     |
| 18241      | 09/25/2008 | 12:57:37 | 0.061                     |
| 18242      | 09/25/2008 | 12:57:38 | 0.049                     |
| 18243      | 09/25/2008 | 12:57:39 | 0.053                     |
| 18244      | 09/25/2008 | 12:57:40 | 0.052                     |
| 18245      | 09/25/2008 | 12:57:41 | 0.067                     |
| 18246      | 09/25/2008 | 12:57:42 | 0.057                     |
| 18247      | 09/25/2008 | 12:57:43 | 0.054                     |
| 18248      | 09/25/2008 | 12:57:44 | 0.056                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 18249      | 09/25/2008 | 12:57:45 | 0.056                     |
| 18250      | 09/25/2008 | 12:57:46 | 0.053                     |
| 18251      | 09/25/2008 | 12:57:47 | 0.054                     |
| 18252      | 09/25/2008 | 12:57:48 | 0.054                     |
| 18253      | 09/25/2008 | 12:57:49 | 0.055                     |
| 18254      | 09/25/2008 | 12:57:50 | 0.055                     |
| 18255      | 09/25/2008 | 12:57:51 | 0.056                     |
| 18256      | 09/25/2008 | 12:57:52 | 0.054                     |
| 18257      | 09/25/2008 | 12:57:53 | 0.059                     |
| 18258      | 09/25/2008 | 12:57:54 | 0.059                     |
| 18259      | 09/25/2008 | 12:57:55 | 0.055                     |
| 18260      | 09/25/2008 | 12:57:56 | 0.055                     |
| 18261      | 09/25/2008 | 12:57:57 | 0.051                     |
| 18262      | 09/25/2008 | 12:57:58 | 0.053                     |
| 18263      | 09/25/2008 | 12:57:59 | 0.058                     |
| 18264      | 09/25/2008 | 12:58:00 | 0.069                     |
| 18265      | 09/25/2008 | 12:58:01 | 0.129                     |
| 18266      | 09/25/2008 | 12:58:02 | 0.103                     |
| 18267      | 09/25/2008 | 12:58:03 | 0.075                     |
| 18268      | 09/25/2008 | 12:58:04 | 0.056                     |
| 18269      | 09/25/2008 | 12:58:05 | 0.054                     |
| 18270      | 09/25/2008 | 12:58:06 | 0.056                     |
| 18271      | 09/25/2008 | 12:58:07 | 0.057                     |
| 18272      | 09/25/2008 | 12:58:08 | 0.059                     |
| 18273      | 09/25/2008 | 12:58:09 | 0.056                     |
| 18274      | 09/25/2008 | 12:58:10 | 0.058                     |
| 18275      | 09/25/2008 | 12:58:11 | 0.116                     |
| 18276      | 09/25/2008 | 12:58:12 | 0.054                     |
| 18277      | 09/25/2008 | 12:58:13 | 0.059                     |
| 18278      | 09/25/2008 | 12:58:14 | 0.075                     |
| 18279      | 09/25/2008 | 12:58:15 | 0.080                     |
| 18280      | 09/25/2008 | 12:58:16 | 0.064                     |
| 18281      | 09/25/2008 | 12:58:17 | 0.077                     |
| 18282      | 09/25/2008 | 12:58:18 | 0.065                     |
| 18283      | 09/25/2008 | 12:58:19 | 0.056                     |
| 18284      | 09/25/2008 | 12:58:20 | 0.059                     |
| 18285      | 09/25/2008 | 12:58:21 | 0.054                     |
| 18286      | 09/25/2008 | 12:58:22 | 0.055                     |
| 18287      | 09/25/2008 | 12:58:23 | 0.066                     |
| 18288      | 09/25/2008 | 12:58:24 | 0.058                     |
| 18289      | 09/25/2008 | 12:58:25 | 0.053                     |
| 18290      | 09/25/2008 | 12:58:26 | 0.057                     |
| 18291      | 09/25/2008 | 12:58:27 | 0.050                     |
| 18292      | 09/25/2008 | 12:58:28 | 0.058                     |
| 18293      | 09/25/2008 | 12:58:29 | 0.053                     |
| 18294      | 09/25/2008 | 12:58:30 | 0.052                     |
| 18295      | 09/25/2008 | 12:58:31 | 0.057                     |
| 18296      | 09/25/2008 | 12:58:32 | 0.056                     |
| 18297      | 09/25/2008 | 12:58:33 | 0.056                     |
| 18298      | 09/25/2008 | 12:58:34 | 0.049                     |
| 18299      | 09/25/2008 | 12:58:35 | 0.056                     |
| 18300      | 09/25/2008 | 12:58:36 | 0.053                     |
| 18301      | 09/25/2008 | 12:58:37 | 0.056                     |
| 18302      | 09/25/2008 | 12:58:38 | 0.055                     |
| 18303      | 09/25/2008 | 12:58:39 | 0.051                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 18304      | 09/25/2008 | 12:58:40 | 0.053                     |
| 18305      | 09/25/2008 | 12:58:41 | 0.051                     |
| 18306      | 09/25/2008 | 12:58:42 | 0.050                     |
| 18307      | 09/25/2008 | 12:58:43 | 0.081                     |
| 18308      | 09/25/2008 | 12:58:44 | 0.055                     |
| 18309      | 09/25/2008 | 12:58:45 | 0.068                     |
| 18310      | 09/25/2008 | 12:58:46 | 0.052                     |
| 18311      | 09/25/2008 | 12:58:47 | 0.055                     |
| 18312      | 09/25/2008 | 12:58:48 | 0.058                     |
| 18313      | 09/25/2008 | 12:58:49 | 0.055                     |
| 18314      | 09/25/2008 | 12:58:50 | 0.056                     |
| 18315      | 09/25/2008 | 12:58:51 | 0.056                     |
| 18316      | 09/25/2008 | 12:58:52 | 0.057                     |
| 18317      | 09/25/2008 | 12:58:53 | 0.060                     |
| 18318      | 09/25/2008 | 12:58:54 | 0.078                     |
| 18319      | 09/25/2008 | 12:58:55 | 0.063                     |
| 18320      | 09/25/2008 | 12:58:56 | 0.055                     |
| 18321      | 09/25/2008 | 12:58:57 | 0.054                     |
| 18322      | 09/25/2008 | 12:58:58 | 0.062                     |
| 18323      | 09/25/2008 | 12:58:59 | 0.074                     |
| 18324      | 09/25/2008 | 12:59:00 | 0.056                     |
| 18325      | 09/25/2008 | 12:59:01 | 0.061                     |
| 18326      | 09/25/2008 | 12:59:02 | 0.056                     |
| 18327      | 09/25/2008 | 12:59:03 | 0.062                     |
| 18328      | 09/25/2008 | 12:59:04 | 0.142                     |
| 18329      | 09/25/2008 | 12:59:05 | 0.101                     |
| 18330      | 09/25/2008 | 12:59:06 | 0.139                     |
| 18331      | 09/25/2008 | 12:59:07 | 0.143                     |
| 18332      | 09/25/2008 | 12:59:08 | 0.142                     |
| 18333      | 09/25/2008 | 12:59:09 | 0.138                     |
| 18334      | 09/25/2008 | 12:59:10 | 0.123                     |
| 18335      | 09/25/2008 | 12:59:11 | 0.097                     |
| 18336      | 09/25/2008 | 12:59:12 | 0.083                     |
| 18337      | 09/25/2008 | 12:59:13 | 0.088                     |
| 18338      | 09/25/2008 | 12:59:14 | 0.110                     |
| 18339      | 09/25/2008 | 12:59:15 | 0.080                     |
| 18340      | 09/25/2008 | 12:59:16 | 0.102                     |
| 18341      | 09/25/2008 | 12:59:17 | 0.113                     |
| 18342      | 09/25/2008 | 12:59:18 | 0.110                     |
| 18343      | 09/25/2008 | 12:59:19 | 0.086                     |
| 18344      | 09/25/2008 | 12:59:20 | 0.079                     |
| 18345      | 09/25/2008 | 12:59:21 | 0.067                     |
| 18346      | 09/25/2008 | 12:59:22 | 0.066                     |
| 18347      | 09/25/2008 | 12:59:23 | 0.064                     |
| 18348      | 09/25/2008 | 12:59:24 | 0.089                     |
| 18349      | 09/25/2008 | 12:59:25 | 0.119                     |
| 18350      | 09/25/2008 | 12:59:26 | 0.117                     |
| 18351      | 09/25/2008 | 12:59:27 | 0.182                     |
| 18352      | 09/25/2008 | 12:59:28 | 0.115                     |
| 18353      | 09/25/2008 | 12:59:29 | 0.090                     |
| 18354      | 09/25/2008 | 12:59:30 | 0.109                     |
| 18355      | 09/25/2008 | 12:59:31 | 0.108                     |
| 18356      | 09/25/2008 | 12:59:32 | 0.094                     |
| 18357      | 09/25/2008 | 12:59:33 | 0.062                     |
| 18358      | 09/25/2008 | 12:59:34 | 0.062                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 18359      | 09/25/2008 | 12:59:35 | 0.062                     |
| 18360      | 09/25/2008 | 12:59:36 | 0.060                     |
| 18361      | 09/25/2008 | 12:59:37 | 0.073                     |
| 18362      | 09/25/2008 | 12:59:38 | 0.078                     |
| 18363      | 09/25/2008 | 12:59:39 | 0.066                     |
| 18364      | 09/25/2008 | 12:59:40 | 0.061                     |
| 18365      | 09/25/2008 | 12:59:41 | 0.062                     |
| 18366      | 09/25/2008 | 12:59:42 | 0.055                     |
| 18367      | 09/25/2008 | 12:59:43 | 0.053                     |
| 18368      | 09/25/2008 | 12:59:44 | 0.061                     |
| 18369      | 09/25/2008 | 12:59:45 | 0.051                     |
| 18370      | 09/25/2008 | 12:59:46 | 0.057                     |
| 18371      | 09/25/2008 | 12:59:47 | 0.064                     |
| 18372      | 09/25/2008 | 12:59:48 | 0.060                     |
| 18373      | 09/25/2008 | 12:59:49 | 0.055                     |
| 18374      | 09/25/2008 | 12:59:50 | 0.057                     |
| 18375      | 09/25/2008 | 12:59:51 | 0.060                     |
| 18376      | 09/25/2008 | 12:59:52 | 0.082                     |
| 18377      | 09/25/2008 | 12:59:53 | 0.055                     |
| 18378      | 09/25/2008 | 12:59:54 | 0.057                     |
| 18379      | 09/25/2008 | 12:59:55 | 0.059                     |
| 18380      | 09/25/2008 | 12:59:56 | 0.082                     |
| 18381      | 09/25/2008 | 12:59:57 | 0.062                     |
| 18382      | 09/25/2008 | 12:59:58 | 0.057                     |
| 18383      | 09/25/2008 | 12:59:59 | 0.049                     |
| 18384      | 09/25/2008 | 13:00:00 | 0.055                     |
| 18385      | 09/25/2008 | 13:00:01 | 0.088                     |
| 18386      | 09/25/2008 | 13:00:02 | 0.085                     |
| 18387      | 09/25/2008 | 13:00:03 | 0.111                     |
| 18388      | 09/25/2008 | 13:00:04 | 0.092                     |
| 18389      | 09/25/2008 | 13:00:05 | 0.104                     |
| 18390      | 09/25/2008 | 13:00:06 | 0.103                     |
| 18391      | 09/25/2008 | 13:00:07 | 0.104                     |
| 18392      | 09/25/2008 | 13:00:08 | 0.095                     |
| 18393      | 09/25/2008 | 13:00:09 | 0.084                     |
| 18394      | 09/25/2008 | 13:00:10 | 0.070                     |
| 18395      | 09/25/2008 | 13:00:11 | 0.066                     |
| 18396      | 09/25/2008 | 13:00:12 | 0.069                     |
| 18397      | 09/25/2008 | 13:00:13 | 0.079                     |
| 18398      | 09/25/2008 | 13:00:14 | 0.059                     |
| 18399      | 09/25/2008 | 13:00:15 | 0.061                     |
| 18400      | 09/25/2008 | 13:00:16 | 0.075                     |
| 18401      | 09/25/2008 | 13:00:17 | 0.094                     |
| 18402      | 09/25/2008 | 13:00:18 | 0.059                     |
| 18403      | 09/25/2008 | 13:00:19 | 0.071                     |
| 18404      | 09/25/2008 | 13:00:20 | 0.110                     |
| 18405      | 09/25/2008 | 13:00:21 | 0.071                     |
| 18406      | 09/25/2008 | 13:00:22 | 0.060                     |
| 18407      | 09/25/2008 | 13:00:23 | 0.079                     |
| 18408      | 09/25/2008 | 13:00:24 | 0.060                     |
| 18409      | 09/25/2008 | 13:00:25 | 0.063                     |
| 18410      | 09/25/2008 | 13:00:26 | 0.062                     |
| 18411      | 09/25/2008 | 13:00:27 | 0.064                     |
| 18412      | 09/25/2008 | 13:00:28 | 0.072                     |
| 18413      | 09/25/2008 | 13:00:29 | 0.069                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 18414      | 09/25/2008 | 13:00:30 | 0.065                     |
| 18415      | 09/25/2008 | 13:00:31 | 0.063                     |
| 18416      | 09/25/2008 | 13:00:32 | 0.061                     |
| 18417      | 09/25/2008 | 13:00:33 | 0.058                     |
| 18418      | 09/25/2008 | 13:00:34 | 0.070                     |
| 18419      | 09/25/2008 | 13:00:35 | 0.055                     |
| 18420      | 09/25/2008 | 13:00:36 | 0.053                     |
| 18421      | 09/25/2008 | 13:00:37 | 0.063                     |
| 18422      | 09/25/2008 | 13:00:38 | 0.058                     |
| 18423      | 09/25/2008 | 13:00:39 | 0.066                     |
| 18424      | 09/25/2008 | 13:00:40 | 0.071                     |
| 18425      | 09/25/2008 | 13:00:41 | 0.067                     |
| 18426      | 09/25/2008 | 13:00:42 | 0.084                     |
| 18427      | 09/25/2008 | 13:00:43 | 0.054                     |
| 18428      | 09/25/2008 | 13:00:44 | 0.054                     |
| 18429      | 09/25/2008 | 13:00:45 | 0.056                     |
| 18430      | 09/25/2008 | 13:00:46 | 0.055                     |
| 18431      | 09/25/2008 | 13:00:47 | 0.057                     |
| 18432      | 09/25/2008 | 13:00:48 | 0.056                     |
| 18433      | 09/25/2008 | 13:00:49 | 0.050                     |
| 18434      | 09/25/2008 | 13:00:50 | 0.058                     |
| 18435      | 09/25/2008 | 13:00:51 | 0.055                     |
| 18436      | 09/25/2008 | 13:00:52 | 0.056                     |
| 18437      | 09/25/2008 | 13:00:53 | 0.051                     |
| 18438      | 09/25/2008 | 13:00:54 | 0.059                     |
| 18439      | 09/25/2008 | 13:00:55 | 0.056                     |
| 18440      | 09/25/2008 | 13:00:56 | 0.057                     |
| 18441      | 09/25/2008 | 13:00:57 | 0.050                     |
| 18442      | 09/25/2008 | 13:00:58 | 0.053                     |
| 18443      | 09/25/2008 | 13:00:59 | 0.050                     |
| 18444      | 09/25/2008 | 13:01:00 | 0.046                     |
| 18445      | 09/25/2008 | 13:01:01 | 0.055                     |
| 18446      | 09/25/2008 | 13:01:02 | 0.053                     |
| 18447      | 09/25/2008 | 13:01:03 | 0.049                     |
| 18448      | 09/25/2008 | 13:01:04 | 0.054                     |
| 18449      | 09/25/2008 | 13:01:05 | 0.054                     |
| 18450      | 09/25/2008 | 13:01:06 | 0.056                     |
| 18451      | 09/25/2008 | 13:01:07 | 0.058                     |
| 18452      | 09/25/2008 | 13:01:08 | 0.057                     |
| 18453      | 09/25/2008 | 13:01:09 | 0.056                     |
| 18454      | 09/25/2008 | 13:01:10 | 0.065                     |
| 18455      | 09/25/2008 | 13:01:11 | 0.059                     |
| 18456      | 09/25/2008 | 13:01:12 | 0.057                     |
| 18457      | 09/25/2008 | 13:01:13 | 0.055                     |
| 18458      | 09/25/2008 | 13:01:14 | 0.052                     |
| 18459      | 09/25/2008 | 13:01:15 | 0.056                     |
| 18460      | 09/25/2008 | 13:01:16 | 0.052                     |
| 18461      | 09/25/2008 | 13:01:17 | 0.056                     |
| 18462      | 09/25/2008 | 13:01:18 | 0.056                     |
| 18463      | 09/25/2008 | 13:01:19 | 0.054                     |
| 18464      | 09/25/2008 | 13:01:20 | 0.053                     |
| 18465      | 09/25/2008 | 13:01:21 | 0.056                     |
| 18466      | 09/25/2008 | 13:01:22 | 0.054                     |
| 18467      | 09/25/2008 | 13:01:23 | 0.057                     |
| 18468      | 09/25/2008 | 13:01:24 | 0.055                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 18469      | 09/25/2008 | 13:01:25 | 0.059                     |
| 18470      | 09/25/2008 | 13:01:26 | 0.054                     |
| 18471      | 09/25/2008 | 13:01:27 | 0.059                     |
| 18472      | 09/25/2008 | 13:01:28 | 0.058                     |
| 18473      | 09/25/2008 | 13:01:29 | 0.060                     |
| 18474      | 09/25/2008 | 13:01:30 | 0.054                     |
| 18475      | 09/25/2008 | 13:01:31 | 0.060                     |
| 18476      | 09/25/2008 | 13:01:32 | 0.050                     |
| 18477      | 09/25/2008 | 13:01:33 | 0.056                     |
| 18478      | 09/25/2008 | 13:01:34 | 0.055                     |
| 18479      | 09/25/2008 | 13:01:35 | 0.053                     |
| 18480      | 09/25/2008 | 13:01:36 | 0.051                     |
| 18481      | 09/25/2008 | 13:01:37 | 0.060                     |
| 18482      | 09/25/2008 | 13:01:38 | 0.053                     |
| 18483      | 09/25/2008 | 13:01:39 | 0.056                     |
| 18484      | 09/25/2008 | 13:01:40 | 0.051                     |
| 18485      | 09/25/2008 | 13:01:41 | 0.059                     |
| 18486      | 09/25/2008 | 13:01:42 | 0.054                     |
| 18487      | 09/25/2008 | 13:01:43 | 0.059                     |
| 18488      | 09/25/2008 | 13:01:44 | 0.053                     |
| 18489      | 09/25/2008 | 13:01:45 | 0.057                     |
| 18490      | 09/25/2008 | 13:01:46 | 0.054                     |
| 18491      | 09/25/2008 | 13:01:47 | 0.069                     |
| 18492      | 09/25/2008 | 13:01:48 | 0.058                     |
| 18493      | 09/25/2008 | 13:01:49 | 0.051                     |
| 18494      | 09/25/2008 | 13:01:50 | 0.055                     |
| 18495      | 09/25/2008 | 13:01:51 | 0.073                     |
| 18496      | 09/25/2008 | 13:01:52 | 0.056                     |
| 18497      | 09/25/2008 | 13:01:53 | 0.051                     |
| 18498      | 09/25/2008 | 13:01:54 | 0.059                     |
| 18499      | 09/25/2008 | 13:01:55 | 0.053                     |
| 18500      | 09/25/2008 | 13:01:56 | 0.056                     |
| 18501      | 09/25/2008 | 13:01:57 | 0.070                     |
| 18502      | 09/25/2008 | 13:01:58 | 0.066                     |
| 18503      | 09/25/2008 | 13:01:59 | 0.055                     |
| 18504      | 09/25/2008 | 13:02:00 | 0.060                     |
| 18505      | 09/25/2008 | 13:02:01 | 0.058                     |
| 18506      | 09/25/2008 | 13:02:02 | 0.055                     |
| 18507      | 09/25/2008 | 13:02:03 | 0.059                     |
| 18508      | 09/25/2008 | 13:02:04 | 0.068                     |
| 18509      | 09/25/2008 | 13:02:05 | 0.053                     |
| 18510      | 09/25/2008 | 13:02:06 | 0.067                     |
| 18511      | 09/25/2008 | 13:02:07 | 0.052                     |
| 18512      | 09/25/2008 | 13:02:08 | 0.054                     |
| 18513      | 09/25/2008 | 13:02:09 | 0.056                     |
| 18514      | 09/25/2008 | 13:02:10 | 0.052                     |
| 18515      | 09/25/2008 | 13:02:11 | 0.052                     |
| 18516      | 09/25/2008 | 13:02:12 | 0.060                     |
| 18517      | 09/25/2008 | 13:02:13 | 0.056                     |
| 18518      | 09/25/2008 | 13:02:14 | 0.059                     |
| 18519      | 09/25/2008 | 13:02:15 | 0.049                     |
| 18520      | 09/25/2008 | 13:02:16 | 0.055                     |
| 18521      | 09/25/2008 | 13:02:17 | 0.056                     |
| 18522      | 09/25/2008 | 13:02:18 | 0.055                     |
| 18523      | 09/25/2008 | 13:02:19 | 0.056                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 18524      | 09/25/2008 | 13:02:20 | 0.051                     |
| 18525      | 09/25/2008 | 13:02:21 | 0.054                     |
| 18526      | 09/25/2008 | 13:02:22 | 0.056                     |
| 18527      | 09/25/2008 | 13:02:23 | 0.050                     |
| 18528      | 09/25/2008 | 13:02:24 | 0.053                     |
| 18529      | 09/25/2008 | 13:02:25 | 0.061                     |
| 18530      | 09/25/2008 | 13:02:26 | 0.055                     |
| 18531      | 09/25/2008 | 13:02:27 | 0.054                     |
| 18532      | 09/25/2008 | 13:02:28 | 0.055                     |
| 18533      | 09/25/2008 | 13:02:29 | 0.052                     |
| 18534      | 09/25/2008 | 13:02:30 | 0.052                     |
| 18535      | 09/25/2008 | 13:02:31 | 0.053                     |
| 18536      | 09/25/2008 | 13:02:32 | 0.077                     |
| 18537      | 09/25/2008 | 13:02:33 | 0.056                     |
| 18538      | 09/25/2008 | 13:02:34 | 0.051                     |
| 18539      | 09/25/2008 | 13:02:35 | 0.061                     |
| 18540      | 09/25/2008 | 13:02:36 | 0.056                     |
| 18541      | 09/25/2008 | 13:02:37 | 0.052                     |
| 18542      | 09/25/2008 | 13:02:38 | 0.053                     |
| 18543      | 09/25/2008 | 13:02:39 | 0.056                     |
| 18544      | 09/25/2008 | 13:02:40 | 0.053                     |
| 18545      | 09/25/2008 | 13:02:41 | 0.056                     |
| 18546      | 09/25/2008 | 13:02:42 | 0.067                     |
| 18547      | 09/25/2008 | 13:02:43 | 0.055                     |
| 18548      | 09/25/2008 | 13:02:44 | 0.057                     |
| 18549      | 09/25/2008 | 13:02:45 | 0.058                     |
| 18550      | 09/25/2008 | 13:02:46 | 0.055                     |
| 18551      | 09/25/2008 | 13:02:47 | 0.055                     |
| 18552      | 09/25/2008 | 13:02:48 | 0.052                     |
| 18553      | 09/25/2008 | 13:02:49 | 0.054                     |
| 18554      | 09/25/2008 | 13:02:50 | 0.067                     |
| 18555      | 09/25/2008 | 13:02:51 | 0.074                     |
| 18556      | 09/25/2008 | 13:02:52 | 0.052                     |
| 18557      | 09/25/2008 | 13:02:53 | 0.054                     |
| 18558      | 09/25/2008 | 13:02:54 | 0.052                     |
| 18559      | 09/25/2008 | 13:02:55 | 0.059                     |
| 18560      | 09/25/2008 | 13:02:56 | 0.064                     |
| 18561      | 09/25/2008 | 13:02:57 | 0.075                     |
| 18562      | 09/25/2008 | 13:02:58 | 0.052                     |
| 18563      | 09/25/2008 | 13:02:59 | 0.055                     |
| 18564      | 09/25/2008 | 13:03:00 | 0.056                     |
| 18565      | 09/25/2008 | 13:03:01 | 0.052                     |
| 18566      | 09/25/2008 | 13:03:02 | 0.054                     |
| 18567      | 09/25/2008 | 13:03:03 | 0.058                     |
| 18568      | 09/25/2008 | 13:03:04 | 0.054                     |
| 18569      | 09/25/2008 | 13:03:05 | 0.053                     |
| 18570      | 09/25/2008 | 13:03:06 | 0.055                     |
| 18571      | 09/25/2008 | 13:03:07 | 0.052                     |
| 18572      | 09/25/2008 | 13:03:08 | 0.055                     |
| 18573      | 09/25/2008 | 13:03:09 | 0.057                     |
| 18574      | 09/25/2008 | 13:03:10 | 0.057                     |
| 18575      | 09/25/2008 | 13:03:11 | 0.052                     |
| 18576      | 09/25/2008 | 13:03:12 | 0.053                     |
| 18577      | 09/25/2008 | 13:03:13 | 0.060                     |
| 18578      | 09/25/2008 | 13:03:14 | 0.053                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 18579      | 09/25/2008 | 13:03:15 | 0.057                     |
| 18580      | 09/25/2008 | 13:03:16 | 0.061                     |
| 18581      | 09/25/2008 | 13:03:17 | 0.057                     |
| 18582      | 09/25/2008 | 13:03:18 | 0.054                     |
| 18583      | 09/25/2008 | 13:03:19 | 0.054                     |
| 18584      | 09/25/2008 | 13:03:20 | 0.054                     |
| 18585      | 09/25/2008 | 13:03:21 | 0.054                     |
| 18586      | 09/25/2008 | 13:03:22 | 0.056                     |
| 18587      | 09/25/2008 | 13:03:23 | 0.057                     |
| 18588      | 09/25/2008 | 13:03:24 | 0.058                     |
| 18589      | 09/25/2008 | 13:03:25 | 0.056                     |
| 18590      | 09/25/2008 | 13:03:26 | 0.053                     |
| 18591      | 09/25/2008 | 13:03:27 | 0.050                     |
| 18592      | 09/25/2008 | 13:03:28 | 0.056                     |
| 18593      | 09/25/2008 | 13:03:29 | 0.056                     |
| 18594      | 09/25/2008 | 13:03:30 | 0.054                     |
| 18595      | 09/25/2008 | 13:03:31 | 0.056                     |
| 18596      | 09/25/2008 | 13:03:32 | 0.075                     |
| 18597      | 09/25/2008 | 13:03:33 | 0.055                     |
| 18598      | 09/25/2008 | 13:03:34 | 0.055                     |
| 18599      | 09/25/2008 | 13:03:35 | 0.067                     |
| 18600      | 09/25/2008 | 13:03:36 | 0.078                     |
| 18601      | 09/25/2008 | 13:03:37 | 0.057                     |
| 18602      | 09/25/2008 | 13:03:38 | 0.061                     |
| 18603      | 09/25/2008 | 13:03:39 | 0.059                     |
| 18604      | 09/25/2008 | 13:03:40 | 0.072                     |
| 18605      | 09/25/2008 | 13:03:41 | 0.067                     |
| 18606      | 09/25/2008 | 13:03:42 | 0.060                     |
| 18607      | 09/25/2008 | 13:03:43 | 0.057                     |
| 18608      | 09/25/2008 | 13:03:44 | 0.057                     |
| 18609      | 09/25/2008 | 13:03:45 | 0.075                     |
| 18610      | 09/25/2008 | 13:03:46 | 0.103                     |
| 18611      | 09/25/2008 | 13:03:47 | 0.102                     |
| 18612      | 09/25/2008 | 13:03:48 | 0.087                     |
| 18613      | 09/25/2008 | 13:03:49 | 0.095                     |
| 18614      | 09/25/2008 | 13:03:50 | 0.075                     |
| 18615      | 09/25/2008 | 13:03:51 | 0.099                     |
| 18616      | 09/25/2008 | 13:03:52 | 0.072                     |
| 18617      | 09/25/2008 | 13:03:53 | 0.074                     |
| 18618      | 09/25/2008 | 13:03:54 | 0.072                     |
| 18619      | 09/25/2008 | 13:03:55 | 0.102                     |
| 18620      | 09/25/2008 | 13:03:56 | 0.098                     |
| 18621      | 09/25/2008 | 13:03:57 | 0.065                     |
| 18622      | 09/25/2008 | 13:03:58 | 0.065                     |
| 18623      | 09/25/2008 | 13:03:59 | 0.069                     |
| 18624      | 09/25/2008 | 13:04:00 | 0.056                     |
| 18625      | 09/25/2008 | 13:04:01 | 0.081                     |
| 18626      | 09/25/2008 | 13:04:02 | 0.060                     |
| 18627      | 09/25/2008 | 13:04:03 | 0.107                     |
| 18628      | 09/25/2008 | 13:04:04 | 0.057                     |
| 18629      | 09/25/2008 | 13:04:05 | 0.061                     |
| 18630      | 09/25/2008 | 13:04:06 | 0.077                     |
| 18631      | 09/25/2008 | 13:04:07 | 0.059                     |
| 18632      | 09/25/2008 | 13:04:08 | 0.057                     |
| 18633      | 09/25/2008 | 13:04:09 | 0.066                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 18634      | 09/25/2008 | 13:04:10 | 0.065                     |
| 18635      | 09/25/2008 | 13:04:11 | 0.055                     |
| 18636      | 09/25/2008 | 13:04:12 | 0.067                     |
| 18637      | 09/25/2008 | 13:04:13 | 0.057                     |
| 18638      | 09/25/2008 | 13:04:14 | 0.058                     |
| 18639      | 09/25/2008 | 13:04:15 | 0.056                     |
| 18640      | 09/25/2008 | 13:04:16 | 0.059                     |
| 18641      | 09/25/2008 | 13:04:17 | 0.066                     |
| 18642      | 09/25/2008 | 13:04:18 | 0.063                     |
| 18643      | 09/25/2008 | 13:04:19 | 0.058                     |
| 18644      | 09/25/2008 | 13:04:20 | 0.052                     |
| 18645      | 09/25/2008 | 13:04:21 | 0.054                     |
| 18646      | 09/25/2008 | 13:04:22 | 0.055                     |
| 18647      | 09/25/2008 | 13:04:23 | 0.058                     |
| 18648      | 09/25/2008 | 13:04:24 | 0.065                     |
| 18649      | 09/25/2008 | 13:04:25 | 0.055                     |
| 18650      | 09/25/2008 | 13:04:26 | 0.071                     |
| 18651      | 09/25/2008 | 13:04:27 | 0.053                     |
| 18652      | 09/25/2008 | 13:04:28 | 0.059                     |
| 18653      | 09/25/2008 | 13:04:29 | 0.055                     |
| 18654      | 09/25/2008 | 13:04:30 | 0.058                     |
| 18655      | 09/25/2008 | 13:04:31 | 0.076                     |
| 18656      | 09/25/2008 | 13:04:32 | 0.084                     |
| 18657      | 09/25/2008 | 13:04:33 | 0.125                     |
| 18658      | 09/25/2008 | 13:04:34 | 0.087                     |
| 18659      | 09/25/2008 | 13:04:35 | 0.098                     |
| 18660      | 09/25/2008 | 13:04:36 | 0.198                     |
| 18661      | 09/25/2008 | 13:04:37 | 0.230                     |
| 18662      | 09/25/2008 | 13:04:38 | 0.117                     |
| 18663      | 09/25/2008 | 13:04:39 | 0.063                     |
| 18664      | 09/25/2008 | 13:04:40 | 0.069                     |
| 18665      | 09/25/2008 | 13:04:41 | 0.071                     |
| 18666      | 09/25/2008 | 13:04:42 | 0.082                     |
| 18667      | 09/25/2008 | 13:04:43 | 0.288                     |
| 18668      | 09/25/2008 | 13:04:44 | 0.256                     |
| 18669      | 09/25/2008 | 13:04:45 | 0.203                     |
| 18670      | 09/25/2008 | 13:04:46 | 0.175                     |
| 18671      | 09/25/2008 | 13:04:47 | 0.124                     |
| 18672      | 09/25/2008 | 13:04:48 | 0.091                     |
| 18673      | 09/25/2008 | 13:04:49 | 0.079                     |
| 18674      | 09/25/2008 | 13:04:50 | 0.075                     |
| 18675      | 09/25/2008 | 13:04:51 | 0.076                     |
| 18676      | 09/25/2008 | 13:04:52 | 0.078                     |
| 18677      | 09/25/2008 | 13:04:53 | 0.086                     |
| 18678      | 09/25/2008 | 13:04:54 | 0.070                     |
| 18679      | 09/25/2008 | 13:04:55 | 0.080                     |
| 18680      | 09/25/2008 | 13:04:56 | 0.085                     |
| 18681      | 09/25/2008 | 13:04:57 | 0.063                     |
| 18682      | 09/25/2008 | 13:04:58 | 0.076                     |
| 18683      | 09/25/2008 | 13:04:59 | 0.068                     |
| 18684      | 09/25/2008 | 13:05:00 | 0.071                     |
| 18685      | 09/25/2008 | 13:05:01 | 0.065                     |
| 18686      | 09/25/2008 | 13:05:02 | 0.070                     |
| 18687      | 09/25/2008 | 13:05:03 | 0.054                     |
| 18688      | 09/25/2008 | 13:05:04 | 0.060                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 18689      | 09/25/2008 | 13:05:05 | 0.066                     |
| 18690      | 09/25/2008 | 13:05:06 | 0.060                     |
| 18691      | 09/25/2008 | 13:05:07 | 0.055                     |
| 18692      | 09/25/2008 | 13:05:08 | 0.066                     |
| 18693      | 09/25/2008 | 13:05:09 | 0.058                     |
| 18694      | 09/25/2008 | 13:05:10 | 0.056                     |
| 18695      | 09/25/2008 | 13:05:11 | 0.058                     |
| 18696      | 09/25/2008 | 13:05:12 | 0.057                     |
| 18697      | 09/25/2008 | 13:05:13 | 0.071                     |
| 18698      | 09/25/2008 | 13:05:14 | 0.055                     |
| 18699      | 09/25/2008 | 13:05:15 | 0.073                     |
| 18700      | 09/25/2008 | 13:05:16 | 0.096                     |
| 18701      | 09/25/2008 | 13:05:17 | 0.060                     |
| 18702      | 09/25/2008 | 13:05:18 | 0.062                     |
| 18703      | 09/25/2008 | 13:05:19 | 0.056                     |
| 18704      | 09/25/2008 | 13:05:20 | 0.052                     |
| 18705      | 09/25/2008 | 13:05:21 | 0.055                     |
| 18706      | 09/25/2008 | 13:05:22 | 0.055                     |
| 18707      | 09/25/2008 | 13:05:23 | 0.056                     |
| 18708      | 09/25/2008 | 13:05:24 | 0.052                     |
| 18709      | 09/25/2008 | 13:05:25 | 0.059                     |
| 18710      | 09/25/2008 | 13:05:26 | 0.053                     |
| 18711      | 09/25/2008 | 13:05:27 | 0.062                     |
| 18712      | 09/25/2008 | 13:05:28 | 0.053                     |
| 18713      | 09/25/2008 | 13:05:29 | 0.061                     |
| 18714      | 09/25/2008 | 13:05:30 | 0.066                     |
| 18715      | 09/25/2008 | 13:05:31 | 0.051                     |
| 18716      | 09/25/2008 | 13:05:32 | 0.053                     |
| 18717      | 09/25/2008 | 13:05:33 | 0.068                     |
| 18718      | 09/25/2008 | 13:05:34 | 0.053                     |
| 18719      | 09/25/2008 | 13:05:35 | 0.055                     |
| 18720      | 09/25/2008 | 13:05:36 | 0.053                     |
| 18721      | 09/25/2008 | 13:05:37 | 0.054                     |
| 18722      | 09/25/2008 | 13:05:38 | 0.051                     |
| 18723      | 09/25/2008 | 13:05:39 | 0.053                     |
| 18724      | 09/25/2008 | 13:05:40 | 0.050                     |
| 18725      | 09/25/2008 | 13:05:41 | 0.051                     |
| 18726      | 09/25/2008 | 13:05:42 | 0.056                     |
| 18727      | 09/25/2008 | 13:05:43 | 0.052                     |
| 18728      | 09/25/2008 | 13:05:44 | 0.053                     |
| 18729      | 09/25/2008 | 13:05:45 | 0.054                     |
| 18730      | 09/25/2008 | 13:05:46 | 0.053                     |
| 18731      | 09/25/2008 | 13:05:47 | 0.054                     |
| 18732      | 09/25/2008 | 13:05:48 | 0.052                     |
| 18733      | 09/25/2008 | 13:05:49 | 0.074                     |
| 18734      | 09/25/2008 | 13:05:50 | 0.057                     |
| 18735      | 09/25/2008 | 13:05:51 | 0.053                     |
| 18736      | 09/25/2008 | 13:05:52 | 0.054                     |
| 18737      | 09/25/2008 | 13:05:53 | 0.063                     |
| 18738      | 09/25/2008 | 13:05:54 | 0.054                     |
| 18739      | 09/25/2008 | 13:05:55 | 0.058                     |
| 18740      | 09/25/2008 | 13:05:56 | 0.057                     |
| 18741      | 09/25/2008 | 13:05:57 | 0.056                     |
| 18742      | 09/25/2008 | 13:05:58 | 0.052                     |
| 18743      | 09/25/2008 | 13:05:59 | 0.053                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 18744      | 09/25/2008 | 13:06:00 | 0.059                     |
| 18745      | 09/25/2008 | 13:06:01 | 0.049                     |
| 18746      | 09/25/2008 | 13:06:02 | 0.057                     |
| 18747      | 09/25/2008 | 13:06:03 | 0.058                     |
| 18748      | 09/25/2008 | 13:06:04 | 0.064                     |
| 18749      | 09/25/2008 | 13:06:05 | 0.055                     |
| 18750      | 09/25/2008 | 13:06:06 | 0.057                     |
| 18751      | 09/25/2008 | 13:06:07 | 0.059                     |
| 18752      | 09/25/2008 | 13:06:08 | 0.070                     |
| 18753      | 09/25/2008 | 13:06:09 | 0.057                     |
| 18754      | 09/25/2008 | 13:06:10 | 0.048                     |
| 18755      | 09/25/2008 | 13:06:11 | 0.057                     |
| 18756      | 09/25/2008 | 13:06:12 | 0.071                     |
| 18757      | 09/25/2008 | 13:06:13 | 0.055                     |
| 18758      | 09/25/2008 | 13:06:14 | 0.051                     |
| 18759      | 09/25/2008 | 13:06:15 | 0.056                     |
| 18760      | 09/25/2008 | 13:06:16 | 0.058                     |
| 18761      | 09/25/2008 | 13:06:17 | 0.056                     |
| 18762      | 09/25/2008 | 13:06:18 | 0.057                     |
| 18763      | 09/25/2008 | 13:06:19 | 0.049                     |
| 18764      | 09/25/2008 | 13:06:20 | 0.050                     |
| 18765      | 09/25/2008 | 13:06:21 | 0.054                     |
| 18766      | 09/25/2008 | 13:06:22 | 0.087                     |
| 18767      | 09/25/2008 | 13:06:23 | 0.068                     |
| 18768      | 09/25/2008 | 13:06:24 | 0.059                     |
| 18769      | 09/25/2008 | 13:06:25 | 0.059                     |
| 18770      | 09/25/2008 | 13:06:26 | 0.052                     |
| 18771      | 09/25/2008 | 13:06:27 | 0.059                     |
| 18772      | 09/25/2008 | 13:06:28 | 0.068                     |
| 18773      | 09/25/2008 | 13:06:29 | 0.054                     |
| 18774      | 09/25/2008 | 13:06:30 | 0.059                     |
| 18775      | 09/25/2008 | 13:06:31 | 0.053                     |
| 18776      | 09/25/2008 | 13:06:32 | 0.051                     |
| 18777      | 09/25/2008 | 13:06:33 | 0.053                     |
| 18778      | 09/25/2008 | 13:06:34 | 0.057                     |
| 18779      | 09/25/2008 | 13:06:35 | 0.056                     |
| 18780      | 09/25/2008 | 13:06:36 | 0.052                     |
| 18781      | 09/25/2008 | 13:06:37 | 0.074                     |
| 18782      | 09/25/2008 | 13:06:38 | 0.055                     |
| 18783      | 09/25/2008 | 13:06:39 | 0.053                     |
| 18784      | 09/25/2008 | 13:06:40 | 0.054                     |
| 18785      | 09/25/2008 | 13:06:41 | 0.051                     |
| 18786      | 09/25/2008 | 13:06:42 | 0.051                     |
| 18787      | 09/25/2008 | 13:06:43 | 0.056                     |
| 18788      | 09/25/2008 | 13:06:44 | 0.066                     |
| 18789      | 09/25/2008 | 13:06:45 | 0.067                     |
| 18790      | 09/25/2008 | 13:06:46 | 0.090                     |
| 18791      | 09/25/2008 | 13:06:47 | 0.093                     |
| 18792      | 09/25/2008 | 13:06:48 | 0.064                     |
| 18793      | 09/25/2008 | 13:06:49 | 0.057                     |
| 18794      | 09/25/2008 | 13:06:50 | 0.079                     |
| 18795      | 09/25/2008 | 13:06:51 | 0.116                     |
| 18796      | 09/25/2008 | 13:06:52 | 0.090                     |
| 18797      | 09/25/2008 | 13:06:53 | 0.061                     |
| 18798      | 09/25/2008 | 13:06:54 | 0.056                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 18799      | 09/25/2008 | 13:06:55 | 0.060                     |
| 18800      | 09/25/2008 | 13:06:56 | 0.052                     |
| 18801      | 09/25/2008 | 13:06:57 | 0.057                     |
| 18802      | 09/25/2008 | 13:06:58 | 0.055                     |
| 18803      | 09/25/2008 | 13:06:59 | 0.057                     |
| 18804      | 09/25/2008 | 13:07:00 | 0.059                     |
| 18805      | 09/25/2008 | 13:07:01 | 0.055                     |
| 18806      | 09/25/2008 | 13:07:02 | 0.059                     |
| 18807      | 09/25/2008 | 13:07:03 | 0.063                     |
| 18808      | 09/25/2008 | 13:07:04 | 0.097                     |
| 18809      | 09/25/2008 | 13:07:05 | 0.217                     |
| 18810      | 09/25/2008 | 13:07:06 | 0.076                     |
| 18811      | 09/25/2008 | 13:07:07 | 0.063                     |
| 18812      | 09/25/2008 | 13:07:08 | 0.056                     |
| 18813      | 09/25/2008 | 13:07:09 | 0.066                     |
| 18814      | 09/25/2008 | 13:07:10 | 0.062                     |
| 18815      | 09/25/2008 | 13:07:11 | 0.071                     |
| 18816      | 09/25/2008 | 13:07:12 | 0.105                     |
| 18817      | 09/25/2008 | 13:07:13 | 0.061                     |
| 18818      | 09/25/2008 | 13:07:14 | 0.053                     |
| 18819      | 09/25/2008 | 13:07:15 | 0.056                     |
| 18820      | 09/25/2008 | 13:07:16 | 0.055                     |
| 18821      | 09/25/2008 | 13:07:17 | 0.066                     |
| 18822      | 09/25/2008 | 13:07:18 | 0.059                     |
| 18823      | 09/25/2008 | 13:07:19 | 0.054                     |
| 18824      | 09/25/2008 | 13:07:20 | 0.067                     |
| 18825      | 09/25/2008 | 13:07:21 | 0.070                     |
| 18826      | 09/25/2008 | 13:07:22 | 0.058                     |
| 18827      | 09/25/2008 | 13:07:23 | 0.053                     |
| 18828      | 09/25/2008 | 13:07:24 | 0.058                     |
| 18829      | 09/25/2008 | 13:07:25 | 0.054                     |
| 18830      | 09/25/2008 | 13:07:26 | 0.058                     |
| 18831      | 09/25/2008 | 13:07:27 | 0.051                     |
| 18832      | 09/25/2008 | 13:07:28 | 0.057                     |
| 18833      | 09/25/2008 | 13:07:29 | 0.054                     |
| 18834      | 09/25/2008 | 13:07:30 | 0.061                     |
| 18835      | 09/25/2008 | 13:07:31 | 0.079                     |
| 18836      | 09/25/2008 | 13:07:32 | 0.055                     |
| 18837      | 09/25/2008 | 13:07:33 | 0.051                     |
| 18838      | 09/25/2008 | 13:07:34 | 0.067                     |
| 18839      | 09/25/2008 | 13:07:35 | 0.055                     |
| 18840      | 09/25/2008 | 13:07:36 | 0.056                     |
| 18841      | 09/25/2008 | 13:07:37 | 0.054                     |
| 18842      | 09/25/2008 | 13:07:38 | 0.052                     |
| 18843      | 09/25/2008 | 13:07:39 | 0.059                     |
| 18844      | 09/25/2008 | 13:07:40 | 0.055                     |
| 18845      | 09/25/2008 | 13:07:41 | 0.058                     |
| 18846      | 09/25/2008 | 13:07:42 | 0.060                     |
| 18847      | 09/25/2008 | 13:07:43 | 0.059                     |
| 18848      | 09/25/2008 | 13:07:44 | 0.053                     |
| 18849      | 09/25/2008 | 13:07:45 | 0.055                     |
| 18850      | 09/25/2008 | 13:07:46 | 0.054                     |
| 18851      | 09/25/2008 | 13:07:47 | 0.053                     |
| 18852      | 09/25/2008 | 13:07:48 | 0.060                     |
| 18853      | 09/25/2008 | 13:07:49 | 0.056                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 18854      | 09/25/2008 | 13:07:50 | 0.055                     |
| 18855      | 09/25/2008 | 13:07:51 | 0.065                     |
| 18856      | 09/25/2008 | 13:07:52 | 0.069                     |
| 18857      | 09/25/2008 | 13:07:53 | 0.074                     |
| 18858      | 09/25/2008 | 13:07:54 | 0.081                     |
| 18859      | 09/25/2008 | 13:07:55 | 0.081                     |
| 18860      | 09/25/2008 | 13:07:56 | 0.069                     |
| 18861      | 09/25/2008 | 13:07:57 | 0.068                     |
| 18862      | 09/25/2008 | 13:07:58 | 0.073                     |
| 18863      | 09/25/2008 | 13:07:59 | 0.080                     |
| 18864      | 09/25/2008 | 13:08:00 | 0.063                     |
| 18865      | 09/25/2008 | 13:08:01 | 0.079                     |
| 18866      | 09/25/2008 | 13:08:02 | 0.067                     |
| 18867      | 09/25/2008 | 13:08:03 | 0.064                     |
| 18868      | 09/25/2008 | 13:08:04 | 0.065                     |
| 18869      | 09/25/2008 | 13:08:05 | 0.068                     |
| 18870      | 09/25/2008 | 13:08:06 | 0.064                     |
| 18871      | 09/25/2008 | 13:08:07 | 0.064                     |
| 18872      | 09/25/2008 | 13:08:08 | 0.083                     |
| 18873      | 09/25/2008 | 13:08:09 | 0.067                     |
| 18874      | 09/25/2008 | 13:08:10 | 0.064                     |
| 18875      | 09/25/2008 | 13:08:11 | 0.078                     |
| 18876      | 09/25/2008 | 13:08:12 | 0.079                     |
| 18877      | 09/25/2008 | 13:08:13 | 0.130                     |
| 18878      | 09/25/2008 | 13:08:14 | 0.104                     |
| 18879      | 09/25/2008 | 13:08:15 | 0.071                     |
| 18880      | 09/25/2008 | 13:08:16 | 0.132                     |
| 18881      | 09/25/2008 | 13:08:17 | 0.144                     |
| 18882      | 09/25/2008 | 13:08:18 | 0.094                     |
| 18883      | 09/25/2008 | 13:08:19 | 0.072                     |
| 18884      | 09/25/2008 | 13:08:20 | 0.060                     |
| 18885      | 09/25/2008 | 13:08:21 | 0.066                     |
| 18886      | 09/25/2008 | 13:08:22 | 0.070                     |
| 18887      | 09/25/2008 | 13:08:23 | 0.064                     |
| 18888      | 09/25/2008 | 13:08:24 | 0.071                     |
| 18889      | 09/25/2008 | 13:08:25 | 0.063                     |
| 18890      | 09/25/2008 | 13:08:26 | 0.064                     |
| 18891      | 09/25/2008 | 13:08:27 | 0.066                     |
| 18892      | 09/25/2008 | 13:08:28 | 0.090                     |
| 18893      | 09/25/2008 | 13:08:29 | 0.092                     |
| 18894      | 09/25/2008 | 13:08:30 | 0.087                     |
| 18895      | 09/25/2008 | 13:08:31 | 0.062                     |
| 18896      | 09/25/2008 | 13:08:32 | 0.068                     |
| 18897      | 09/25/2008 | 13:08:33 | 0.066                     |
| 18898      | 09/25/2008 | 13:08:34 | 0.113                     |
| 18899      | 09/25/2008 | 13:08:35 | 0.078                     |
| 18900      | 09/25/2008 | 13:08:36 | 0.063                     |
| 18901      | 09/25/2008 | 13:08:37 | 0.090                     |
| 18902      | 09/25/2008 | 13:08:38 | 0.089                     |
| 18903      | 09/25/2008 | 13:08:39 | 0.061                     |
| 18904      | 09/25/2008 | 13:08:40 | 0.073                     |
| 18905      | 09/25/2008 | 13:08:41 | 0.061                     |
| 18906      | 09/25/2008 | 13:08:42 | 0.073                     |
| 18907      | 09/25/2008 | 13:08:43 | 0.068                     |
| 18908      | 09/25/2008 | 13:08:44 | 0.062                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 18909      | 09/25/2008 | 13:08:45 | 0.062                     |
| 18910      | 09/25/2008 | 13:08:46 | 0.052                     |
| 18911      | 09/25/2008 | 13:08:47 | 0.055                     |
| 18912      | 09/25/2008 | 13:08:48 | 0.061                     |
| 18913      | 09/25/2008 | 13:08:49 | 0.067                     |
| 18914      | 09/25/2008 | 13:08:50 | 0.119                     |
| 18915      | 09/25/2008 | 13:08:51 | 0.056                     |
| 18916      | 09/25/2008 | 13:08:52 | 0.071                     |
| 18917      | 09/25/2008 | 13:08:53 | 0.061                     |
| 18918      | 09/25/2008 | 13:08:54 | 0.067                     |
| 18919      | 09/25/2008 | 13:08:55 | 0.065                     |
| 18920      | 09/25/2008 | 13:08:56 | 0.061                     |
| 18921      | 09/25/2008 | 13:08:57 | 0.057                     |
| 18922      | 09/25/2008 | 13:08:58 | 0.061                     |
| 18923      | 09/25/2008 | 13:08:59 | 0.054                     |
| 18924      | 09/25/2008 | 13:09:00 | 0.055                     |
| 18925      | 09/25/2008 | 13:09:01 | 0.060                     |
| 18926      | 09/25/2008 | 13:09:02 | 0.062                     |
| 18927      | 09/25/2008 | 13:09:03 | 0.069                     |
| 18928      | 09/25/2008 | 13:09:04 | 0.079                     |
| 18929      | 09/25/2008 | 13:09:05 | 0.062                     |
| 18930      | 09/25/2008 | 13:09:06 | 0.092                     |
| 18931      | 09/25/2008 | 13:09:07 | 0.056                     |
| 18932      | 09/25/2008 | 13:09:08 | 0.054                     |
| 18933      | 09/25/2008 | 13:09:09 | 0.057                     |
| 18934      | 09/25/2008 | 13:09:10 | 0.061                     |
| 18935      | 09/25/2008 | 13:09:11 | 0.057                     |
| 18936      | 09/25/2008 | 13:09:12 | 0.064                     |
| 18937      | 09/25/2008 | 13:09:13 | 0.060                     |
| 18938      | 09/25/2008 | 13:09:14 | 0.053                     |
| 18939      | 09/25/2008 | 13:09:15 | 0.058                     |
| 18940      | 09/25/2008 | 13:09:16 | 0.053                     |
| 18941      | 09/25/2008 | 13:09:17 | 0.058                     |
| 18942      | 09/25/2008 | 13:09:18 | 0.055                     |
| 18943      | 09/25/2008 | 13:09:19 | 0.056                     |
| 18944      | 09/25/2008 | 13:09:20 | 0.063                     |
| 18945      | 09/25/2008 | 13:09:21 | 0.065                     |
| 18946      | 09/25/2008 | 13:09:22 | 0.066                     |
| 18947      | 09/25/2008 | 13:09:23 | 0.059                     |
| 18948      | 09/25/2008 | 13:09:24 | 0.056                     |
| 18949      | 09/25/2008 | 13:09:25 | 0.052                     |
| 18950      | 09/25/2008 | 13:09:26 | 0.054                     |
| 18951      | 09/25/2008 | 13:09:27 | 0.056                     |
| 18952      | 09/25/2008 | 13:09:28 | 0.060                     |
| 18953      | 09/25/2008 | 13:09:29 | 0.054                     |
| 18954      | 09/25/2008 | 13:09:30 | 0.055                     |
| 18955      | 09/25/2008 | 13:09:31 | 0.053                     |
| 18956      | 09/25/2008 | 13:09:32 | 0.056                     |
| 18957      | 09/25/2008 | 13:09:33 | 0.055                     |
| 18958      | 09/25/2008 | 13:09:34 | 0.057                     |
| 18959      | 09/25/2008 | 13:09:35 | 0.054                     |
| 18960      | 09/25/2008 | 13:09:36 | 0.064                     |
| 18961      | 09/25/2008 | 13:09:37 | 0.057                     |
| 18962      | 09/25/2008 | 13:09:38 | 0.054                     |
| 18963      | 09/25/2008 | 13:09:39 | 0.058                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 18964      | 09/25/2008 | 13:09:40 | 0.058                     |
| 18965      | 09/25/2008 | 13:09:41 | 0.097                     |
| 18966      | 09/25/2008 | 13:09:42 | 0.060                     |
| 18967      | 09/25/2008 | 13:09:43 | 0.053                     |
| 18968      | 09/25/2008 | 13:09:44 | 0.061                     |
| 18969      | 09/25/2008 | 13:09:45 | 0.070                     |
| 18970      | 09/25/2008 | 13:09:46 | 0.050                     |
| 18971      | 09/25/2008 | 13:09:47 | 0.058                     |
| 18972      | 09/25/2008 | 13:09:48 | 0.058                     |
| 18973      | 09/25/2008 | 13:09:49 | 0.053                     |
| 18974      | 09/25/2008 | 13:09:50 | 0.062                     |
| 18975      | 09/25/2008 | 13:09:51 | 0.053                     |
| 18976      | 09/25/2008 | 13:09:52 | 0.053                     |
| 18977      | 09/25/2008 | 13:09:53 | 0.057                     |
| 18978      | 09/25/2008 | 13:09:54 | 0.055                     |
| 18979      | 09/25/2008 | 13:09:55 | 0.057                     |
| 18980      | 09/25/2008 | 13:09:56 | 0.059                     |
| 18981      | 09/25/2008 | 13:09:57 | 0.053                     |
| 18982      | 09/25/2008 | 13:09:58 | 0.062                     |
| 18983      | 09/25/2008 | 13:09:59 | 0.051                     |
| 18984      | 09/25/2008 | 13:10:00 | 0.053                     |
| 18985      | 09/25/2008 | 13:10:01 | 0.057                     |
| 18986      | 09/25/2008 | 13:10:02 | 0.055                     |
| 18987      | 09/25/2008 | 13:10:03 | 0.054                     |
| 18988      | 09/25/2008 | 13:10:04 | 0.072                     |
| 18989      | 09/25/2008 | 13:10:05 | 0.051                     |
| 18990      | 09/25/2008 | 13:10:06 | 0.056                     |
| 18991      | 09/25/2008 | 13:10:07 | 0.051                     |
| 18992      | 09/25/2008 | 13:10:08 | 0.056                     |
| 18993      | 09/25/2008 | 13:10:09 | 0.052                     |
| 18994      | 09/25/2008 | 13:10:10 | 0.052                     |
| 18995      | 09/25/2008 | 13:10:11 | 0.056                     |
| 18996      | 09/25/2008 | 13:10:12 | 0.053                     |
| 18997      | 09/25/2008 | 13:10:13 | 0.057                     |
| 18998      | 09/25/2008 | 13:10:14 | 0.072                     |
| 18999      | 09/25/2008 | 13:10:15 | 0.073                     |
| 19000      | 09/25/2008 | 13:10:16 | 0.053                     |
| 19001      | 09/25/2008 | 13:10:17 | 0.055                     |
| 19002      | 09/25/2008 | 13:10:18 | 0.055                     |
| 19003      | 09/25/2008 | 13:10:19 | 0.116                     |
| 19004      | 09/25/2008 | 13:10:20 | 0.059                     |
| 19005      | 09/25/2008 | 13:10:21 | 0.056                     |
| 19006      | 09/25/2008 | 13:10:22 | 0.056                     |
| 19007      | 09/25/2008 | 13:10:23 | 0.057                     |
| 19008      | 09/25/2008 | 13:10:24 | 0.052                     |
| 19009      | 09/25/2008 | 13:10:25 | 0.061                     |
| 19010      | 09/25/2008 | 13:10:26 | 0.073                     |
| 19011      | 09/25/2008 | 13:10:27 | 0.138                     |
| 19012      | 09/25/2008 | 13:10:28 | 0.128                     |
| 19013      | 09/25/2008 | 13:10:29 | 0.198                     |
| 19014      | 09/25/2008 | 13:10:30 | 0.086                     |
| 19015      | 09/25/2008 | 13:10:31 | 0.069                     |
| 19016      | 09/25/2008 | 13:10:32 | 0.121                     |
| 19017      | 09/25/2008 | 13:10:33 | 0.139                     |
| 19018      | 09/25/2008 | 13:10:34 | 0.125                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 19019      | 09/25/2008 | 13:10:35 | 0.108                     |
| 19020      | 09/25/2008 | 13:10:36 | 0.180                     |
| 19021      | 09/25/2008 | 13:10:37 | 0.093                     |
| 19022      | 09/25/2008 | 13:10:38 | 0.069                     |
| 19023      | 09/25/2008 | 13:10:39 | 0.070                     |
| 19024      | 09/25/2008 | 13:10:40 | 0.096                     |
| 19025      | 09/25/2008 | 13:10:41 | 0.108                     |
| 19026      | 09/25/2008 | 13:10:42 | 0.126                     |
| 19027      | 09/25/2008 | 13:10:43 | 0.117                     |
| 19028      | 09/25/2008 | 13:10:44 | 0.142                     |
| 19029      | 09/25/2008 | 13:10:45 | 0.078                     |
| 19030      | 09/25/2008 | 13:10:46 | 0.082                     |
| 19031      | 09/25/2008 | 13:10:47 | 0.085                     |
| 19032      | 09/25/2008 | 13:10:48 | 0.064                     |
| 19033      | 09/25/2008 | 13:10:49 | 0.066                     |
| 19034      | 09/25/2008 | 13:10:50 | 0.056                     |
| 19035      | 09/25/2008 | 13:10:51 | 0.059                     |
| 19036      | 09/25/2008 | 13:10:52 | 0.108                     |
| 19037      | 09/25/2008 | 13:10:53 | 0.062                     |
| 19038      | 09/25/2008 | 13:10:54 | 0.059                     |
| 19039      | 09/25/2008 | 13:10:55 | 0.053                     |
| 19040      | 09/25/2008 | 13:10:56 | 0.089                     |
| 19041      | 09/25/2008 | 13:10:57 | 0.054                     |
| 19042      | 09/25/2008 | 13:10:58 | 0.059                     |
| 19043      | 09/25/2008 | 13:10:59 | 0.056                     |
| 19044      | 09/25/2008 | 13:11:00 | 0.071                     |
| 19045      | 09/25/2008 | 13:11:01 | 0.079                     |
| 19046      | 09/25/2008 | 13:11:02 | 0.057                     |
| 19047      | 09/25/2008 | 13:11:03 | 0.086                     |
| 19048      | 09/25/2008 | 13:11:04 | 0.099                     |
| 19049      | 09/25/2008 | 13:11:05 | 0.199                     |
| 19050      | 09/25/2008 | 13:11:06 | 0.344                     |
| 19051      | 09/25/2008 | 13:11:07 | 0.536                     |
| 19052      | 09/25/2008 | 13:11:08 | 0.330                     |
| 19053      | 09/25/2008 | 13:11:09 | 0.261                     |
| 19054      | 09/25/2008 | 13:11:10 | 0.205                     |
| 19055      | 09/25/2008 | 13:11:11 | 0.181                     |
| 19056      | 09/25/2008 | 13:11:12 | 0.164                     |
| 19057      | 09/25/2008 | 13:11:13 | 0.140                     |
| 19058      | 09/25/2008 | 13:11:14 | 0.170                     |
| 19059      | 09/25/2008 | 13:11:15 | 0.151                     |
| 19060      | 09/25/2008 | 13:11:16 | 0.138                     |
| 19061      | 09/25/2008 | 13:11:17 | 0.200                     |
| 19062      | 09/25/2008 | 13:11:18 | 0.207                     |
| 19063      | 09/25/2008 | 13:11:19 | 0.180                     |
| 19064      | 09/25/2008 | 13:11:20 | 0.234                     |
| 19065      | 09/25/2008 | 13:11:21 | 0.190                     |
| 19066      | 09/25/2008 | 13:11:22 | 0.269                     |
| 19067      | 09/25/2008 | 13:11:23 | 0.244                     |
| 19068      | 09/25/2008 | 13:11:24 | 0.200                     |
| 19069      | 09/25/2008 | 13:11:25 | 0.161                     |
| 19070      | 09/25/2008 | 13:11:26 | 0.189                     |
| 19071      | 09/25/2008 | 13:11:27 | 0.187                     |
| 19072      | 09/25/2008 | 13:11:28 | 0.286                     |
| 19073      | 09/25/2008 | 13:11:29 | 0.241                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 19074      | 09/25/2008 | 13:11:30 | 0.104                     |
| 19075      | 09/25/2008 | 13:11:31 | 0.209                     |
| 19076      | 09/25/2008 | 13:11:32 | 0.198                     |
| 19077      | 09/25/2008 | 13:11:33 | 0.141                     |
| 19078      | 09/25/2008 | 13:11:34 | 0.098                     |
| 19079      | 09/25/2008 | 13:11:35 | 0.123                     |
| 19080      | 09/25/2008 | 13:11:36 | 0.150                     |
| 19081      | 09/25/2008 | 13:11:37 | 0.107                     |
| 19082      | 09/25/2008 | 13:11:38 | 0.159                     |
| 19083      | 09/25/2008 | 13:11:39 | 0.081                     |
| 19084      | 09/25/2008 | 13:11:40 | 0.072                     |
| 19085      | 09/25/2008 | 13:11:41 | 0.159                     |
| 19086      | 09/25/2008 | 13:11:42 | 0.092                     |
| 19087      | 09/25/2008 | 13:11:43 | 0.116                     |
| 19088      | 09/25/2008 | 13:11:44 | 0.135                     |
| 19089      | 09/25/2008 | 13:11:45 | 0.089                     |
| 19090      | 09/25/2008 | 13:11:46 | 0.110                     |
| 19091      | 09/25/2008 | 13:11:47 | 0.084                     |
| 19092      | 09/25/2008 | 13:11:48 | 0.129                     |
| 19093      | 09/25/2008 | 13:11:49 | 0.167                     |
| 19094      | 09/25/2008 | 13:11:50 | 0.139                     |
| 19095      | 09/25/2008 | 13:11:51 | 0.138                     |
| 19096      | 09/25/2008 | 13:11:52 | 0.222                     |
| 19097      | 09/25/2008 | 13:11:53 | 0.176                     |
| 19098      | 09/25/2008 | 13:11:54 | 0.170                     |
| 19099      | 09/25/2008 | 13:11:55 | 0.132                     |
| 19100      | 09/25/2008 | 13:11:56 | 0.100                     |
| 19101      | 09/25/2008 | 13:11:57 | 0.135                     |
| 19102      | 09/25/2008 | 13:11:58 | 0.120                     |
| 19103      | 09/25/2008 | 13:11:59 | 0.110                     |
| 19104      | 09/25/2008 | 13:12:00 | 0.092                     |
| 19105      | 09/25/2008 | 13:12:01 | 0.089                     |
| 19106      | 09/25/2008 | 13:12:02 | 0.102                     |
| 19107      | 09/25/2008 | 13:12:03 | 0.112                     |
| 19108      | 09/25/2008 | 13:12:04 | 0.091                     |
| 19109      | 09/25/2008 | 13:12:05 | 0.089                     |
| 19110      | 09/25/2008 | 13:12:06 | 0.122                     |
| 19111      | 09/25/2008 | 13:12:07 | 0.099                     |
| 19112      | 09/25/2008 | 13:12:08 | 0.137                     |
| 19113      | 09/25/2008 | 13:12:09 | 0.089                     |
| 19114      | 09/25/2008 | 13:12:10 | 0.068                     |
| 19115      | 09/25/2008 | 13:12:11 | 0.065                     |
| 19116      | 09/25/2008 | 13:12:12 | 0.167                     |
| 19117      | 09/25/2008 | 13:12:13 | 0.076                     |
| 19118      | 09/25/2008 | 13:12:14 | 0.062                     |
| 19119      | 09/25/2008 | 13:12:15 | 0.070                     |
| 19120      | 09/25/2008 | 13:12:16 | 0.071                     |
| 19121      | 09/25/2008 | 13:12:17 | 0.174                     |
| 19122      | 09/25/2008 | 13:12:18 | 0.065                     |
| 19123      | 09/25/2008 | 13:12:19 | 0.083                     |
| 19124      | 09/25/2008 | 13:12:20 | 0.061                     |
| 19125      | 09/25/2008 | 13:12:21 | 0.095                     |
| 19126      | 09/25/2008 | 13:12:22 | 0.079                     |
| 19127      | 09/25/2008 | 13:12:23 | 0.110                     |
| 19128      | 09/25/2008 | 13:12:24 | 0.098                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 19129      | 09/25/2008 | 13:12:25 | 0.090                     |
| 19130      | 09/25/2008 | 13:12:26 | 0.087                     |
| 19131      | 09/25/2008 | 13:12:27 | 0.091                     |
| 19132      | 09/25/2008 | 13:12:28 | 0.090                     |
| 19133      | 09/25/2008 | 13:12:29 | 0.067                     |
| 19134      | 09/25/2008 | 13:12:30 | 0.074                     |
| 19135      | 09/25/2008 | 13:12:31 | 0.085                     |
| 19136      | 09/25/2008 | 13:12:32 | 0.061                     |
| 19137      | 09/25/2008 | 13:12:33 | 0.071                     |
| 19138      | 09/25/2008 | 13:12:34 | 0.111                     |
| 19139      | 09/25/2008 | 13:12:35 | 0.070                     |
| 19140      | 09/25/2008 | 13:12:36 | 0.065                     |
| 19141      | 09/25/2008 | 13:12:37 | 0.057                     |
| 19142      | 09/25/2008 | 13:12:38 | 0.060                     |
| 19143      | 09/25/2008 | 13:12:39 | 0.063                     |
| 19144      | 09/25/2008 | 13:12:40 | 0.056                     |
| 19145      | 09/25/2008 | 13:12:41 | 0.060                     |
| 19146      | 09/25/2008 | 13:12:42 | 0.056                     |
| 19147      | 09/25/2008 | 13:12:43 | 0.088                     |
| 19148      | 09/25/2008 | 13:12:44 | 0.076                     |
| 19149      | 09/25/2008 | 13:12:45 | 0.058                     |
| 19150      | 09/25/2008 | 13:12:46 | 0.072                     |
| 19151      | 09/25/2008 | 13:12:47 | 0.053                     |
| 19152      | 09/25/2008 | 13:12:48 | 0.063                     |
| 19153      | 09/25/2008 | 13:12:49 | 0.057                     |
| 19154      | 09/25/2008 | 13:12:50 | 0.062                     |
| 19155      | 09/25/2008 | 13:12:51 | 0.089                     |
| 19156      | 09/25/2008 | 13:12:52 | 0.059                     |
| 19157      | 09/25/2008 | 13:12:53 | 0.055                     |
| 19158      | 09/25/2008 | 13:12:54 | 0.054                     |
| 19159      | 09/25/2008 | 13:12:55 | 0.066                     |
| 19160      | 09/25/2008 | 13:12:56 | 0.057                     |
| 19161      | 09/25/2008 | 13:12:57 | 0.056                     |
| 19162      | 09/25/2008 | 13:12:58 | 0.068                     |
| 19163      | 09/25/2008 | 13:12:59 | 0.078                     |
| 19164      | 09/25/2008 | 13:13:00 | 0.063                     |
| 19165      | 09/25/2008 | 13:13:01 | 0.058                     |
| 19166      | 09/25/2008 | 13:13:02 | 0.055                     |
| 19167      | 09/25/2008 | 13:13:03 | 0.055                     |
| 19168      | 09/25/2008 | 13:13:04 | 0.063                     |
| 19169      | 09/25/2008 | 13:13:05 | 0.065                     |
| 19170      | 09/25/2008 | 13:13:06 | 0.066                     |
| 19171      | 09/25/2008 | 13:13:07 | 0.059                     |
| 19172      | 09/25/2008 | 13:13:08 | 0.060                     |
| 19173      | 09/25/2008 | 13:13:09 | 0.058                     |
| 19174      | 09/25/2008 | 13:13:10 | 0.056                     |
| 19175      | 09/25/2008 | 13:13:11 | 0.053                     |
| 19176      | 09/25/2008 | 13:13:12 | 0.053                     |
| 19177      | 09/25/2008 | 13:13:13 | 0.054                     |
| 19178      | 09/25/2008 | 13:13:14 | 0.053                     |
| 19179      | 09/25/2008 | 13:13:15 | 0.059                     |
| 19180      | 09/25/2008 | 13:13:16 | 0.077                     |
| 19181      | 09/25/2008 | 13:13:17 | 0.056                     |
| 19182      | 09/25/2008 | 13:13:18 | 0.056                     |
| 19183      | 09/25/2008 | 13:13:19 | 0.093                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 19184      | 09/25/2008 | 13:13:20 | 0.055                     |
| 19185      | 09/25/2008 | 13:13:21 | 0.057                     |
| 19186      | 09/25/2008 | 13:13:22 | 0.066                     |
| 19187      | 09/25/2008 | 13:13:23 | 0.115                     |
| 19188      | 09/25/2008 | 13:13:24 | 0.154                     |
| 19189      | 09/25/2008 | 13:13:25 | 0.125                     |
| 19190      | 09/25/2008 | 13:13:26 | 0.094                     |
| 19191      | 09/25/2008 | 13:13:27 | 0.074                     |
| 19192      | 09/25/2008 | 13:13:28 | 0.068                     |
| 19193      | 09/25/2008 | 13:13:29 | 0.068                     |
| 19194      | 09/25/2008 | 13:13:30 | 0.068                     |
| 19195      | 09/25/2008 | 13:13:31 | 0.058                     |
| 19196      | 09/25/2008 | 13:13:32 | 0.061                     |
| 19197      | 09/25/2008 | 13:13:33 | 0.058                     |
| 19198      | 09/25/2008 | 13:13:34 | 0.070                     |
| 19199      | 09/25/2008 | 13:13:35 | 0.056                     |
| 19200      | 09/25/2008 | 13:13:36 | 0.054                     |
| 19201      | 09/25/2008 | 13:13:37 | 0.056                     |
| 19202      | 09/25/2008 | 13:13:38 | 0.078                     |
| 19203      | 09/25/2008 | 13:13:39 | 0.055                     |
| 19204      | 09/25/2008 | 13:13:40 | 0.056                     |
| 19205      | 09/25/2008 | 13:13:41 | 0.057                     |
| 19206      | 09/25/2008 | 13:13:42 | 0.059                     |
| 19207      | 09/25/2008 | 13:13:43 | 0.057                     |
| 19208      | 09/25/2008 | 13:13:44 | 0.055                     |
| 19209      | 09/25/2008 | 13:13:45 | 0.053                     |
| 19210      | 09/25/2008 | 13:13:46 | 0.060                     |
| 19211      | 09/25/2008 | 13:13:47 | 0.054                     |
| 19212      | 09/25/2008 | 13:13:48 | 0.054                     |
| 19213      | 09/25/2008 | 13:13:49 | 0.057                     |
| 19214      | 09/25/2008 | 13:13:50 | 0.054                     |
| 19215      | 09/25/2008 | 13:13:51 | 0.134                     |
| 19216      | 09/25/2008 | 13:13:52 | 0.073                     |
| 19217      | 09/25/2008 | 13:13:53 | 0.060                     |
| 19218      | 09/25/2008 | 13:13:54 | 0.081                     |
| 19219      | 09/25/2008 | 13:13:55 | 0.067                     |
| 19220      | 09/25/2008 | 13:13:56 | 0.078                     |
| 19221      | 09/25/2008 | 13:13:57 | 0.067                     |
| 19222      | 09/25/2008 | 13:13:58 | 0.068                     |
| 19223      | 09/25/2008 | 13:13:59 | 0.079                     |
| 19224      | 09/25/2008 | 13:14:00 | 0.072                     |
| 19225      | 09/25/2008 | 13:14:01 | 0.108                     |
| 19226      | 09/25/2008 | 13:14:02 | 0.072                     |
| 19227      | 09/25/2008 | 13:14:03 | 0.067                     |
| 19228      | 09/25/2008 | 13:14:04 | 0.077                     |
| 19229      | 09/25/2008 | 13:14:05 | 0.065                     |
| 19230      | 09/25/2008 | 13:14:06 | 0.070                     |
| 19231      | 09/25/2008 | 13:14:07 | 0.069                     |
| 19232      | 09/25/2008 | 13:14:08 | 0.066                     |
| 19233      | 09/25/2008 | 13:14:09 | 0.062                     |
| 19234      | 09/25/2008 | 13:14:10 | 0.070                     |
| 19235      | 09/25/2008 | 13:14:11 | 0.067                     |
| 19236      | 09/25/2008 | 13:14:12 | 0.079                     |
| 19237      | 09/25/2008 | 13:14:13 | 0.060                     |
| 19238      | 09/25/2008 | 13:14:14 | 0.065                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 19239      | 09/25/2008 | 13:14:15 | 0.081                     |
| 19240      | 09/25/2008 | 13:14:16 | 0.109                     |
| 19241      | 09/25/2008 | 13:14:17 | 0.098                     |
| 19242      | 09/25/2008 | 13:14:18 | 0.083                     |
| 19243      | 09/25/2008 | 13:14:19 | 0.127                     |
| 19244      | 09/25/2008 | 13:14:20 | 0.150                     |
| 19245      | 09/25/2008 | 13:14:21 | 0.139                     |
| 19246      | 09/25/2008 | 13:14:22 | 0.124                     |
| 19247      | 09/25/2008 | 13:14:23 | 0.090                     |
| 19248      | 09/25/2008 | 13:14:24 | 0.095                     |
| 19249      | 09/25/2008 | 13:14:25 | 0.088                     |
| 19250      | 09/25/2008 | 13:14:26 | 0.136                     |
| 19251      | 09/25/2008 | 13:14:27 | 0.096                     |
| 19252      | 09/25/2008 | 13:14:28 | 0.073                     |
| 19253      | 09/25/2008 | 13:14:29 | 0.084                     |
| 19254      | 09/25/2008 | 13:14:30 | 0.099                     |
| 19255      | 09/25/2008 | 13:14:31 | 0.070                     |
| 19256      | 09/25/2008 | 13:14:32 | 0.099                     |
| 19257      | 09/25/2008 | 13:14:33 | 0.068                     |
| 19258      | 09/25/2008 | 13:14:34 | 0.110                     |
| 19259      | 09/25/2008 | 13:14:35 | 0.058                     |
| 19260      | 09/25/2008 | 13:14:36 | 0.060                     |
| 19261      | 09/25/2008 | 13:14:37 | 0.052                     |
| 19262      | 09/25/2008 | 13:14:38 | 0.076                     |
| 19263      | 09/25/2008 | 13:14:39 | 0.054                     |
| 19264      | 09/25/2008 | 13:14:40 | 0.053                     |
| 19265      | 09/25/2008 | 13:14:41 | 0.057                     |
| 19266      | 09/25/2008 | 13:14:42 | 0.083                     |
| 19267      | 09/25/2008 | 13:14:43 | 0.059                     |
| 19268      | 09/25/2008 | 13:14:44 | 0.068                     |
| 19269      | 09/25/2008 | 13:14:45 | 0.058                     |
| 19270      | 09/25/2008 | 13:14:46 | 0.059                     |
| 19271      | 09/25/2008 | 13:14:47 | 0.070                     |
| 19272      | 09/25/2008 | 13:14:48 | 0.055                     |
| 19273      | 09/25/2008 | 13:14:49 | 0.060                     |
| 19274      | 09/25/2008 | 13:14:50 | 0.104                     |
| 19275      | 09/25/2008 | 13:14:51 | 0.062                     |
| 19276      | 09/25/2008 | 13:14:52 | 0.060                     |
| 19277      | 09/25/2008 | 13:14:53 | 0.064                     |
| 19278      | 09/25/2008 | 13:14:54 | 0.058                     |
| 19279      | 09/25/2008 | 13:14:55 | 0.077                     |
| 19280      | 09/25/2008 | 13:14:56 | 0.078                     |
| 19281      | 09/25/2008 | 13:14:57 | 0.075                     |
| 19282      | 09/25/2008 | 13:14:58 | 0.062                     |
| 19283      | 09/25/2008 | 13:14:59 | 0.125                     |
| 19284      | 09/25/2008 | 13:15:00 | 0.096                     |
| 19285      | 09/25/2008 | 13:15:01 | 0.102                     |
| 19286      | 09/25/2008 | 13:15:02 | 0.089                     |
| 19287      | 09/25/2008 | 13:15:03 | 0.136                     |
| 19288      | 09/25/2008 | 13:15:04 | 0.112                     |
| 19289      | 09/25/2008 | 13:15:05 | 0.149                     |
| 19290      | 09/25/2008 | 13:15:06 | 0.096                     |
| 19291      | 09/25/2008 | 13:15:07 | 0.116                     |
| 19292      | 09/25/2008 | 13:15:08 | 0.217                     |
| 19293      | 09/25/2008 | 13:15:09 | 0.096                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 19294      | 09/25/2008 | 13:15:10 | 0.114                     |
| 19295      | 09/25/2008 | 13:15:11 | 0.068                     |
| 19296      | 09/25/2008 | 13:15:12 | 0.087                     |
| 19297      | 09/25/2008 | 13:15:13 | 0.060                     |
| 19298      | 09/25/2008 | 13:15:14 | 0.058                     |
| 19299      | 09/25/2008 | 13:15:15 | 0.058                     |
| 19300      | 09/25/2008 | 13:15:16 | 0.057                     |
| 19301      | 09/25/2008 | 13:15:17 | 0.062                     |
| 19302      | 09/25/2008 | 13:15:18 | 0.063                     |
| 19303      | 09/25/2008 | 13:15:19 | 0.060                     |
| 19304      | 09/25/2008 | 13:15:20 | 0.070                     |
| 19305      | 09/25/2008 | 13:15:21 | 0.055                     |
| 19306      | 09/25/2008 | 13:15:22 | 0.073                     |
| 19307      | 09/25/2008 | 13:15:23 | 0.112                     |
| 19308      | 09/25/2008 | 13:15:24 | 0.053                     |
| 19309      | 09/25/2008 | 13:15:25 | 0.124                     |
| 19310      | 09/25/2008 | 13:15:26 | 0.073                     |
| 19311      | 09/25/2008 | 13:15:27 | 0.054                     |
| 19312      | 09/25/2008 | 13:15:28 | 0.081                     |
| 19313      | 09/25/2008 | 13:15:29 | 0.063                     |
| 19314      | 09/25/2008 | 13:15:30 | 0.062                     |
| 19315      | 09/25/2008 | 13:15:31 | 0.056                     |
| 19316      | 09/25/2008 | 13:15:32 | 0.054                     |
| 19317      | 09/25/2008 | 13:15:33 | 0.058                     |
| 19318      | 09/25/2008 | 13:15:34 | 0.057                     |
| 19319      | 09/25/2008 | 13:15:35 | 0.063                     |
| 19320      | 09/25/2008 | 13:15:36 | 0.062                     |
| 19321      | 09/25/2008 | 13:15:37 | 0.052                     |
| 19322      | 09/25/2008 | 13:15:38 | 0.056                     |
| 19323      | 09/25/2008 | 13:15:39 | 0.062                     |
| 19324      | 09/25/2008 | 13:15:40 | 0.065                     |
| 19325      | 09/25/2008 | 13:15:41 | 0.126                     |
| 19326      | 09/25/2008 | 13:15:42 | 0.186                     |
| 19327      | 09/25/2008 | 13:15:43 | 0.084                     |
| 19328      | 09/25/2008 | 13:15:44 | 0.067                     |
| 19329      | 09/25/2008 | 13:15:45 | 0.066                     |
| 19330      | 09/25/2008 | 13:15:46 | 0.059                     |
| 19331      | 09/25/2008 | 13:15:47 | 0.061                     |
| 19332      | 09/25/2008 | 13:15:48 | 0.057                     |
| 19333      | 09/25/2008 | 13:15:49 | 0.060                     |
| 19334      | 09/25/2008 | 13:15:50 | 0.063                     |
| 19335      | 09/25/2008 | 13:15:51 | 0.110                     |
| 19336      | 09/25/2008 | 13:15:52 | 0.069                     |
| 19337      | 09/25/2008 | 13:15:53 | 0.070                     |
| 19338      | 09/25/2008 | 13:15:54 | 0.061                     |
| 19339      | 09/25/2008 | 13:15:55 | 0.056                     |
| 19340      | 09/25/2008 | 13:15:56 | 0.054                     |
| 19341      | 09/25/2008 | 13:15:57 | 0.054                     |
| 19342      | 09/25/2008 | 13:15:58 | 0.053                     |
| 19343      | 09/25/2008 | 13:15:59 | 0.065                     |
| 19344      | 09/25/2008 | 13:16:00 | 0.073                     |
| 19345      | 09/25/2008 | 13:16:01 | 0.057                     |
| 19346      | 09/25/2008 | 13:16:02 | 0.056                     |
| 19347      | 09/25/2008 | 13:16:03 | 0.051                     |
| 19348      | 09/25/2008 | 13:16:04 | 0.055                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 19349      | 09/25/2008 | 13:16:05 | 0.058                     |
| 19350      | 09/25/2008 | 13:16:06 | 0.062                     |
| 19351      | 09/25/2008 | 13:16:07 | 0.069                     |
| 19352      | 09/25/2008 | 13:16:08 | 0.053                     |
| 19353      | 09/25/2008 | 13:16:09 | 0.056                     |
| 19354      | 09/25/2008 | 13:16:10 | 0.056                     |
| 19355      | 09/25/2008 | 13:16:11 | 0.060                     |
| 19356      | 09/25/2008 | 13:16:12 | 0.058                     |
| 19357      | 09/25/2008 | 13:16:13 | 0.054                     |
| 19358      | 09/25/2008 | 13:16:14 | 0.054                     |
| 19359      | 09/25/2008 | 13:16:15 | 0.065                     |
| 19360      | 09/25/2008 | 13:16:16 | 0.063                     |
| 19361      | 09/25/2008 | 13:16:17 | 0.058                     |
| 19362      | 09/25/2008 | 13:16:18 | 0.068                     |
| 19363      | 09/25/2008 | 13:16:19 | 0.086                     |
| 19364      | 09/25/2008 | 13:16:20 | 0.148                     |
| 19365      | 09/25/2008 | 13:16:21 | 0.143                     |
| 19366      | 09/25/2008 | 13:16:22 | 0.144                     |
| 19367      | 09/25/2008 | 13:16:23 | 0.103                     |
| 19368      | 09/25/2008 | 13:16:24 | 0.185                     |
| 19369      | 09/25/2008 | 13:16:25 | 0.084                     |
| 19370      | 09/25/2008 | 13:16:26 | 0.061                     |
| 19371      | 09/25/2008 | 13:16:27 | 0.065                     |
| 19372      | 09/25/2008 | 13:16:28 | 0.064                     |
| 19373      | 09/25/2008 | 13:16:29 | 0.059                     |
| 19374      | 09/25/2008 | 13:16:30 | 0.060                     |
| 19375      | 09/25/2008 | 13:16:31 | 0.057                     |
| 19376      | 09/25/2008 | 13:16:32 | 0.112                     |
| 19377      | 09/25/2008 | 13:16:33 | 0.196                     |
| 19378      | 09/25/2008 | 13:16:34 | 0.098                     |
| 19379      | 09/25/2008 | 13:16:35 | 0.085                     |
| 19380      | 09/25/2008 | 13:16:36 | 0.087                     |
| 19381      | 09/25/2008 | 13:16:37 | 0.090                     |
| 19382      | 09/25/2008 | 13:16:38 | 0.085                     |
| 19383      | 09/25/2008 | 13:16:39 | 0.067                     |
| 19384      | 09/25/2008 | 13:16:40 | 0.069                     |
| 19385      | 09/25/2008 | 13:16:41 | 0.063                     |
| 19386      | 09/25/2008 | 13:16:42 | 0.063                     |
| 19387      | 09/25/2008 | 13:16:43 | 0.059                     |
| 19388      | 09/25/2008 | 13:16:44 | 0.072                     |
| 19389      | 09/25/2008 | 13:16:45 | 0.076                     |
| 19390      | 09/25/2008 | 13:16:46 | 0.060                     |
| 19391      | 09/25/2008 | 13:16:47 | 0.067                     |
| 19392      | 09/25/2008 | 13:16:48 | 0.084                     |
| 19393      | 09/25/2008 | 13:16:49 | 0.067                     |
| 19394      | 09/25/2008 | 13:16:50 | 0.061                     |
| 19395      | 09/25/2008 | 13:16:51 | 0.056                     |
| 19396      | 09/25/2008 | 13:16:52 | 0.061                     |
| 19397      | 09/25/2008 | 13:16:53 | 0.059                     |
| 19398      | 09/25/2008 | 13:16:54 | 0.055                     |
| 19399      | 09/25/2008 | 13:16:55 | 0.082                     |
| 19400      | 09/25/2008 | 13:16:56 | 0.054                     |
| 19401      | 09/25/2008 | 13:16:57 | 0.056                     |
| 19402      | 09/25/2008 | 13:16:58 | 0.065                     |
| 19403      | 09/25/2008 | 13:16:59 | 0.062                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 19404      | 09/25/2008 | 13:17:00 | 0.058                     |
| 19405      | 09/25/2008 | 13:17:01 | 0.072                     |
| 19406      | 09/25/2008 | 13:17:02 | 0.056                     |
| 19407      | 09/25/2008 | 13:17:03 | 0.081                     |
| 19408      | 09/25/2008 | 13:17:04 | 0.055                     |
| 19409      | 09/25/2008 | 13:17:05 | 0.055                     |
| 19410      | 09/25/2008 | 13:17:06 | 0.060                     |
| 19411      | 09/25/2008 | 13:17:07 | 0.104                     |
| 19412      | 09/25/2008 | 13:17:08 | 0.052                     |
| 19413      | 09/25/2008 | 13:17:09 | 0.057                     |
| 19414      | 09/25/2008 | 13:17:10 | 0.055                     |
| 19415      | 09/25/2008 | 13:17:11 | 0.055                     |
| 19416      | 09/25/2008 | 13:17:12 | 0.055                     |
| 19417      | 09/25/2008 | 13:17:13 | 0.054                     |
| 19418      | 09/25/2008 | 13:17:14 | 0.057                     |
| 19419      | 09/25/2008 | 13:17:15 | 0.060                     |
| 19420      | 09/25/2008 | 13:17:16 | 0.056                     |
| 19421      | 09/25/2008 | 13:17:17 | 0.055                     |
| 19422      | 09/25/2008 | 13:17:18 | 0.059                     |
| 19423      | 09/25/2008 | 13:17:19 | 0.061                     |
| 19424      | 09/25/2008 | 13:17:20 | 0.054                     |
| 19425      | 09/25/2008 | 13:17:21 | 0.060                     |
| 19426      | 09/25/2008 | 13:17:22 | 0.074                     |
| 19427      | 09/25/2008 | 13:17:23 | 0.060                     |
| 19428      | 09/25/2008 | 13:17:24 | 0.054                     |
| 19429      | 09/25/2008 | 13:17:25 | 0.059                     |
| 19430      | 09/25/2008 | 13:17:26 | 0.056                     |
| 19431      | 09/25/2008 | 13:17:27 | 0.054                     |
| 19432      | 09/25/2008 | 13:17:28 | 0.055                     |
| 19433      | 09/25/2008 | 13:17:29 | 0.053                     |
| 19434      | 09/25/2008 | 13:17:30 | 0.056                     |
| 19435      | 09/25/2008 | 13:17:31 | 0.053                     |
| 19436      | 09/25/2008 | 13:17:32 | 0.054                     |
| 19437      | 09/25/2008 | 13:17:33 | 0.054                     |
| 19438      | 09/25/2008 | 13:17:34 | 0.055                     |
| 19439      | 09/25/2008 | 13:17:35 | 0.053                     |
| 19440      | 09/25/2008 | 13:17:36 | 0.055                     |
| 19441      | 09/25/2008 | 13:17:37 | 0.063                     |
| 19442      | 09/25/2008 | 13:17:38 | 0.072                     |
| 19443      | 09/25/2008 | 13:17:39 | 0.055                     |
| 19444      | 09/25/2008 | 13:17:40 | 0.062                     |
| 19445      | 09/25/2008 | 13:17:41 | 0.051                     |
| 19446      | 09/25/2008 | 13:17:42 | 0.054                     |
| 19447      | 09/25/2008 | 13:17:43 | 0.055                     |
| 19448      | 09/25/2008 | 13:17:44 | 0.055                     |
| 19449      | 09/25/2008 | 13:17:45 | 0.058                     |
| 19450      | 09/25/2008 | 13:17:46 | 0.053                     |
| 19451      | 09/25/2008 | 13:17:47 | 0.054                     |
| 19452      | 09/25/2008 | 13:17:48 | 0.057                     |
| 19453      | 09/25/2008 | 13:17:49 | 0.050                     |
| 19454      | 09/25/2008 | 13:17:50 | 0.056                     |
| 19455      | 09/25/2008 | 13:17:51 | 0.054                     |
| 19456      | 09/25/2008 | 13:17:52 | 0.054                     |
| 19457      | 09/25/2008 | 13:17:53 | 0.056                     |
| 19458      | 09/25/2008 | 13:17:54 | 0.056                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 19459      | 09/25/2008 | 13:17:55 | 0.055                     |
| 19460      | 09/25/2008 | 13:17:56 | 0.056                     |
| 19461      | 09/25/2008 | 13:17:57 | 0.053                     |
| 19462      | 09/25/2008 | 13:17:58 | 0.054                     |
| 19463      | 09/25/2008 | 13:17:59 | 0.052                     |
| 19464      | 09/25/2008 | 13:18:00 | 0.106                     |
| 19465      | 09/25/2008 | 13:18:01 | 0.102                     |
| 19466      | 09/25/2008 | 13:18:02 | 0.064                     |
| 19467      | 09/25/2008 | 13:18:03 | 0.098                     |
| 19468      | 09/25/2008 | 13:18:04 | 0.071                     |
| 19469      | 09/25/2008 | 13:18:05 | 0.058                     |
| 19470      | 09/25/2008 | 13:18:06 | 0.060                     |
| 19471      | 09/25/2008 | 13:18:07 | 0.057                     |
| 19472      | 09/25/2008 | 13:18:08 | 0.055                     |
| 19473      | 09/25/2008 | 13:18:09 | 0.053                     |
| 19474      | 09/25/2008 | 13:18:10 | 0.069                     |
| 19475      | 09/25/2008 | 13:18:11 | 0.059                     |
| 19476      | 09/25/2008 | 13:18:12 | 0.057                     |
| 19477      | 09/25/2008 | 13:18:13 | 0.055                     |
| 19478      | 09/25/2008 | 13:18:14 | 0.055                     |
| 19479      | 09/25/2008 | 13:18:15 | 0.064                     |
| 19480      | 09/25/2008 | 13:18:16 | 0.058                     |
| 19481      | 09/25/2008 | 13:18:17 | 0.054                     |
| 19482      | 09/25/2008 | 13:18:18 | 0.056                     |
| 19483      | 09/25/2008 | 13:18:19 | 0.052                     |
| 19484      | 09/25/2008 | 13:18:20 | 0.058                     |
| 19485      | 09/25/2008 | 13:18:21 | 0.058                     |
| 19486      | 09/25/2008 | 13:18:22 | 0.060                     |
| 19487      | 09/25/2008 | 13:18:23 | 0.057                     |
| 19488      | 09/25/2008 | 13:18:24 | 0.056                     |
| 19489      | 09/25/2008 | 13:18:25 | 0.055                     |
| 19490      | 09/25/2008 | 13:18:26 | 0.063                     |
| 19491      | 09/25/2008 | 13:18:27 | 0.055                     |
| 19492      | 09/25/2008 | 13:18:28 | 0.058                     |
| 19493      | 09/25/2008 | 13:18:29 | 0.074                     |
| 19494      | 09/25/2008 | 13:18:30 | 0.054                     |
| 19495      | 09/25/2008 | 13:18:31 | 0.051                     |
| 19496      | 09/25/2008 | 13:18:32 | 0.056                     |
| 19497      | 09/25/2008 | 13:18:33 | 0.059                     |
| 19498      | 09/25/2008 | 13:18:34 | 0.059                     |
| 19499      | 09/25/2008 | 13:18:35 | 0.054                     |
| 19500      | 09/25/2008 | 13:18:36 | 0.056                     |
| 19501      | 09/25/2008 | 13:18:37 | 0.056                     |
| 19502      | 09/25/2008 | 13:18:38 | 0.069                     |
| 19503      | 09/25/2008 | 13:18:39 | 0.057                     |
| 19504      | 09/25/2008 | 13:18:40 | 0.058                     |
| 19505      | 09/25/2008 | 13:18:41 | 0.061                     |
| 19506      | 09/25/2008 | 13:18:42 | 0.101                     |
| 19507      | 09/25/2008 | 13:18:43 | 0.058                     |
| 19508      | 09/25/2008 | 13:18:44 | 0.072                     |
| 19509      | 09/25/2008 | 13:18:45 | 0.060                     |
| 19510      | 09/25/2008 | 13:18:46 | 0.060                     |
| 19511      | 09/25/2008 | 13:18:47 | 0.058                     |
| 19512      | 09/25/2008 | 13:18:48 | 0.068                     |
| 19513      | 09/25/2008 | 13:18:49 | 0.066                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 19514      | 09/25/2008 | 13:18:50 | 0.062                     |
| 19515      | 09/25/2008 | 13:18:51 | 0.069                     |
| 19516      | 09/25/2008 | 13:18:52 | 0.071                     |
| 19517      | 09/25/2008 | 13:18:53 | 0.112                     |
| 19518      | 09/25/2008 | 13:18:54 | 0.073                     |
| 19519      | 09/25/2008 | 13:18:55 | 0.059                     |
| 19520      | 09/25/2008 | 13:18:56 | 0.062                     |
| 19521      | 09/25/2008 | 13:18:57 | 0.070                     |
| 19522      | 09/25/2008 | 13:18:58 | 0.068                     |
| 19523      | 09/25/2008 | 13:18:59 | 0.063                     |
| 19524      | 09/25/2008 | 13:19:00 | 0.067                     |
| 19525      | 09/25/2008 | 13:19:01 | 0.094                     |
| 19526      | 09/25/2008 | 13:19:02 | 0.080                     |
| 19527      | 09/25/2008 | 13:19:03 | 0.072                     |
| 19528      | 09/25/2008 | 13:19:04 | 0.067                     |
| 19529      | 09/25/2008 | 13:19:05 | 0.070                     |
| 19530      | 09/25/2008 | 13:19:06 | 0.078                     |
| 19531      | 09/25/2008 | 13:19:07 | 0.085                     |
| 19532      | 09/25/2008 | 13:19:08 | 0.089                     |
| 19533      | 09/25/2008 | 13:19:09 | 0.085                     |
| 19534      | 09/25/2008 | 13:19:10 | 0.067                     |
| 19535      | 09/25/2008 | 13:19:11 | 0.060                     |
| 19536      | 09/25/2008 | 13:19:12 | 0.065                     |
| 19537      | 09/25/2008 | 13:19:13 | 0.061                     |
| 19538      | 09/25/2008 | 13:19:14 | 0.062                     |
| 19539      | 09/25/2008 | 13:19:15 | 0.086                     |
| 19540      | 09/25/2008 | 13:19:16 | 0.095                     |
| 19541      | 09/25/2008 | 13:19:17 | 0.073                     |
| 19542      | 09/25/2008 | 13:19:18 | 0.070                     |
| 19543      | 09/25/2008 | 13:19:19 | 0.064                     |
| 19544      | 09/25/2008 | 13:19:20 | 0.061                     |
| 19545      | 09/25/2008 | 13:19:21 | 0.060                     |
| 19546      | 09/25/2008 | 13:19:22 | 0.060                     |
| 19547      | 09/25/2008 | 13:19:23 | 0.053                     |
| 19548      | 09/25/2008 | 13:19:24 | 0.060                     |
| 19549      | 09/25/2008 | 13:19:25 | 0.055                     |
| 19550      | 09/25/2008 | 13:19:26 | 0.062                     |
| 19551      | 09/25/2008 | 13:19:27 | 0.058                     |
| 19552      | 09/25/2008 | 13:19:28 | 0.054                     |
| 19553      | 09/25/2008 | 13:19:29 | 0.056                     |
| 19554      | 09/25/2008 | 13:19:30 | 0.057                     |
| 19555      | 09/25/2008 | 13:19:31 | 0.063                     |
| 19556      | 09/25/2008 | 13:19:32 | 0.058                     |
| 19557      | 09/25/2008 | 13:19:33 | 0.056                     |
| 19558      | 09/25/2008 | 13:19:34 | 0.072                     |
| 19559      | 09/25/2008 | 13:19:35 | 0.057                     |
| 19560      | 09/25/2008 | 13:19:36 | 0.057                     |
| 19561      | 09/25/2008 | 13:19:37 | 0.055                     |
| 19562      | 09/25/2008 | 13:19:38 | 0.073                     |
| 19563      | 09/25/2008 | 13:19:39 | 0.067                     |
| 19564      | 09/25/2008 | 13:19:40 | 0.065                     |
| 19565      | 09/25/2008 | 13:19:41 | 0.059                     |
| 19566      | 09/25/2008 | 13:19:42 | 0.054                     |
| 19567      | 09/25/2008 | 13:19:43 | 0.057                     |
| 19568      | 09/25/2008 | 13:19:44 | 0.063                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 19569      | 09/25/2008 | 13:19:45 | 0.059                     |
| 19570      | 09/25/2008 | 13:19:46 | 0.069                     |
| 19571      | 09/25/2008 | 13:19:47 | 0.124                     |
| 19572      | 09/25/2008 | 13:19:48 | 0.143                     |
| 19573      | 09/25/2008 | 13:19:49 | 0.117                     |
| 19574      | 09/25/2008 | 13:19:50 | 0.111                     |
| 19575      | 09/25/2008 | 13:19:51 | 0.084                     |
| 19576      | 09/25/2008 | 13:19:52 | 0.066                     |
| 19577      | 09/25/2008 | 13:19:53 | 0.061                     |
| 19578      | 09/25/2008 | 13:19:54 | 0.064                     |
| 19579      | 09/25/2008 | 13:19:55 | 0.068                     |
| 19580      | 09/25/2008 | 13:19:56 | 0.060                     |
| 19581      | 09/25/2008 | 13:19:57 | 0.057                     |
| 19582      | 09/25/2008 | 13:19:58 | 0.074                     |
| 19583      | 09/25/2008 | 13:19:59 | 0.079                     |
| 19584      | 09/25/2008 | 13:20:00 | 0.065                     |
| 19585      | 09/25/2008 | 13:20:01 | 0.074                     |
| 19586      | 09/25/2008 | 13:20:02 | 0.078                     |
| 19587      | 09/25/2008 | 13:20:03 | 0.071                     |
| 19588      | 09/25/2008 | 13:20:04 | 0.075                     |
| 19589      | 09/25/2008 | 13:20:05 | 0.071                     |
| 19590      | 09/25/2008 | 13:20:06 | 0.079                     |
| 19591      | 09/25/2008 | 13:20:07 | 0.078                     |
| 19592      | 09/25/2008 | 13:20:08 | 0.081                     |
| 19593      | 09/25/2008 | 13:20:09 | 0.096                     |
| 19594      | 09/25/2008 | 13:20:10 | 0.099                     |
| 19595      | 09/25/2008 | 13:20:11 | 0.076                     |
| 19596      | 09/25/2008 | 13:20:12 | 0.095                     |
| 19597      | 09/25/2008 | 13:20:13 | 0.103                     |
| 19598      | 09/25/2008 | 13:20:14 | 0.108                     |
| 19599      | 09/25/2008 | 13:20:15 | 0.116                     |
| 19600      | 09/25/2008 | 13:20:16 | 0.198                     |
| 19601      | 09/25/2008 | 13:20:17 | 0.101                     |
| 19602      | 09/25/2008 | 13:20:18 | 0.075                     |
| 19603      | 09/25/2008 | 13:20:19 | 0.074                     |
| 19604      | 09/25/2008 | 13:20:20 | 0.063                     |
| 19605      | 09/25/2008 | 13:20:21 | 0.070                     |
| 19606      | 09/25/2008 | 13:20:22 | 0.063                     |
| 19607      | 09/25/2008 | 13:20:23 | 0.142                     |
| 19608      | 09/25/2008 | 13:20:24 | 0.065                     |
| 19609      | 09/25/2008 | 13:20:25 | 0.062                     |
| 19610      | 09/25/2008 | 13:20:26 | 0.056                     |
| 19611      | 09/25/2008 | 13:20:27 | 0.057                     |
| 19612      | 09/25/2008 | 13:20:28 | 0.059                     |
| 19613      | 09/25/2008 | 13:20:29 | 0.057                     |
| 19614      | 09/25/2008 | 13:20:30 | 0.071                     |
| 19615      | 09/25/2008 | 13:20:31 | 0.062                     |
| 19616      | 09/25/2008 | 13:20:32 | 0.064                     |
| 19617      | 09/25/2008 | 13:20:33 | 0.057                     |
| 19618      | 09/25/2008 | 13:20:34 | 0.063                     |
| 19619      | 09/25/2008 | 13:20:35 | 0.086                     |
| 19620      | 09/25/2008 | 13:20:36 | 0.076                     |
| 19621      | 09/25/2008 | 13:20:37 | 0.073                     |
| 19622      | 09/25/2008 | 13:20:38 | 0.068                     |
| 19623      | 09/25/2008 | 13:20:39 | 0.074                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 19624      | 09/25/2008 | 13:20:40 | 0.110                     |
| 19625      | 09/25/2008 | 13:20:41 | 0.156                     |
| 19626      | 09/25/2008 | 13:20:42 | 0.122                     |
| 19627      | 09/25/2008 | 13:20:43 | 0.121                     |
| 19628      | 09/25/2008 | 13:20:44 | 0.122                     |
| 19629      | 09/25/2008 | 13:20:45 | 0.103                     |
| 19630      | 09/25/2008 | 13:20:46 | 0.089                     |
| 19631      | 09/25/2008 | 13:20:47 | 0.099                     |
| 19632      | 09/25/2008 | 13:20:48 | 0.080                     |
| 19633      | 09/25/2008 | 13:20:49 | 0.070                     |
| 19634      | 09/25/2008 | 13:20:50 | 0.074                     |
| 19635      | 09/25/2008 | 13:20:51 | 0.085                     |
| 19636      | 09/25/2008 | 13:20:52 | 0.065                     |
| 19637      | 09/25/2008 | 13:20:53 | 0.151                     |
| 19638      | 09/25/2008 | 13:20:54 | 0.180                     |
| 19639      | 09/25/2008 | 13:20:55 | 0.124                     |
| 19640      | 09/25/2008 | 13:20:56 | 0.076                     |
| 19641      | 09/25/2008 | 13:20:57 | 0.112                     |
| 19642      | 09/25/2008 | 13:20:58 | 0.106                     |
| 19643      | 09/25/2008 | 13:20:59 | 0.133                     |
| 19644      | 09/25/2008 | 13:21:00 | 0.079                     |
| 19645      | 09/25/2008 | 13:21:01 | 0.107                     |
| 19646      | 09/25/2008 | 13:21:02 | 0.083                     |
| 19647      | 09/25/2008 | 13:21:03 | 0.079                     |
| 19648      | 09/25/2008 | 13:21:04 | 0.068                     |
| 19649      | 09/25/2008 | 13:21:05 | 0.062                     |
| 19650      | 09/25/2008 | 13:21:06 | 0.081                     |
| 19651      | 09/25/2008 | 13:21:07 | 0.085                     |
| 19652      | 09/25/2008 | 13:21:08 | 0.088                     |
| 19653      | 09/25/2008 | 13:21:09 | 0.087                     |
| 19654      | 09/25/2008 | 13:21:10 | 0.092                     |
| 19655      | 09/25/2008 | 13:21:11 | 0.068                     |
| 19656      | 09/25/2008 | 13:21:12 | 0.069                     |
| 19657      | 09/25/2008 | 13:21:13 | 0.065                     |
| 19658      | 09/25/2008 | 13:21:14 | 0.065                     |
| 19659      | 09/25/2008 | 13:21:15 | 0.060                     |
| 19660      | 09/25/2008 | 13:21:16 | 0.061                     |
| 19661      | 09/25/2008 | 13:21:17 | 0.079                     |
| 19662      | 09/25/2008 | 13:21:18 | 0.167                     |
| 19663      | 09/25/2008 | 13:21:19 | 0.088                     |
| 19664      | 09/25/2008 | 13:21:20 | 0.068                     |
| 19665      | 09/25/2008 | 13:21:21 | 0.063                     |
| 19666      | 09/25/2008 | 13:21:22 | 0.059                     |
| 19667      | 09/25/2008 | 13:21:23 | 0.054                     |
| 19668      | 09/25/2008 | 13:21:24 | 0.070                     |
| 19669      | 09/25/2008 | 13:21:25 | 0.097                     |
| 19670      | 09/25/2008 | 13:21:26 | 0.064                     |
| 19671      | 09/25/2008 | 13:21:27 | 0.061                     |
| 19672      | 09/25/2008 | 13:21:28 | 0.059                     |
| 19673      | 09/25/2008 | 13:21:29 | 0.057                     |
| 19674      | 09/25/2008 | 13:21:30 | 0.062                     |
| 19675      | 09/25/2008 | 13:21:31 | 0.056                     |
| 19676      | 09/25/2008 | 13:21:32 | 0.056                     |
| 19677      | 09/25/2008 | 13:21:33 | 0.089                     |
| 19678      | 09/25/2008 | 13:21:34 | 0.059                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 19679      | 09/25/2008 | 13:21:35 | 0.054                     |
| 19680      | 09/25/2008 | 13:21:36 | 0.064                     |
| 19681      | 09/25/2008 | 13:21:37 | 0.076                     |
| 19682      | 09/25/2008 | 13:21:38 | 0.055                     |
| 19683      | 09/25/2008 | 13:21:39 | 0.062                     |
| 19684      | 09/25/2008 | 13:21:40 | 0.060                     |
| 19685      | 09/25/2008 | 13:21:41 | 0.055                     |
| 19686      | 09/25/2008 | 13:21:42 | 0.058                     |
| 19687      | 09/25/2008 | 13:21:43 | 0.071                     |
| 19688      | 09/25/2008 | 13:21:44 | 0.062                     |
| 19689      | 09/25/2008 | 13:21:45 | 0.068                     |
| 19690      | 09/25/2008 | 13:21:46 | 0.055                     |
| 19691      | 09/25/2008 | 13:21:47 | 0.055                     |
| 19692      | 09/25/2008 | 13:21:48 | 0.052                     |
| 19693      | 09/25/2008 | 13:21:49 | 0.053                     |
| 19694      | 09/25/2008 | 13:21:50 | 0.053                     |
| 19695      | 09/25/2008 | 13:21:51 | 0.056                     |
| 19696      | 09/25/2008 | 13:21:52 | 0.064                     |
| 19697      | 09/25/2008 | 13:21:53 | 0.055                     |
| 19698      | 09/25/2008 | 13:21:54 | 0.055                     |
| 19699      | 09/25/2008 | 13:21:55 | 0.054                     |
| 19700      | 09/25/2008 | 13:21:56 | 0.057                     |
| 19701      | 09/25/2008 | 13:21:57 | 0.061                     |
| 19702      | 09/25/2008 | 13:21:58 | 0.055                     |
| 19703      | 09/25/2008 | 13:21:59 | 0.054                     |
| 19704      | 09/25/2008 | 13:22:00 | 0.054                     |
| 19705      | 09/25/2008 | 13:22:01 | 0.055                     |
| 19706      | 09/25/2008 | 13:22:02 | 0.053                     |
| 19707      | 09/25/2008 | 13:22:03 | 0.053                     |
| 19708      | 09/25/2008 | 13:22:04 | 0.067                     |
| 19709      | 09/25/2008 | 13:22:05 | 0.058                     |
| 19710      | 09/25/2008 | 13:22:06 | 0.055                     |
| 19711      | 09/25/2008 | 13:22:07 | 0.071                     |
| 19712      | 09/25/2008 | 13:22:08 | 0.054                     |
| 19713      | 09/25/2008 | 13:22:09 | 0.064                     |
| 19714      | 09/25/2008 | 13:22:10 | 0.057                     |
| 19715      | 09/25/2008 | 13:22:11 | 0.069                     |
| 19716      | 09/25/2008 | 13:22:12 | 0.055                     |
| 19717      | 09/25/2008 | 13:22:13 | 0.052                     |
| 19718      | 09/25/2008 | 13:22:14 | 0.054                     |
| 19719      | 09/25/2008 | 13:22:15 | 0.061                     |
| 19720      | 09/25/2008 | 13:22:16 | 0.054                     |
| 19721      | 09/25/2008 | 13:22:17 | 0.055                     |
| 19722      | 09/25/2008 | 13:22:18 | 0.060                     |
| 19723      | 09/25/2008 | 13:22:19 | 0.051                     |
| 19724      | 09/25/2008 | 13:22:20 | 0.055                     |
| 19725      | 09/25/2008 | 13:22:21 | 0.061                     |
| 19726      | 09/25/2008 | 13:22:22 | 0.054                     |
| 19727      | 09/25/2008 | 13:22:23 | 0.056                     |
| 19728      | 09/25/2008 | 13:22:24 | 0.055                     |
| 19729      | 09/25/2008 | 13:22:25 | 0.052                     |
| 19730      | 09/25/2008 | 13:22:26 | 0.058                     |
| 19731      | 09/25/2008 | 13:22:27 | 0.054                     |
| 19732      | 09/25/2008 | 13:22:28 | 0.059                     |
| 19733      | 09/25/2008 | 13:22:29 | 0.068                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 19734      | 09/25/2008 | 13:22:30 | 0.062                     |
| 19735      | 09/25/2008 | 13:22:31 | 0.063                     |
| 19736      | 09/25/2008 | 13:22:32 | 0.057                     |
| 19737      | 09/25/2008 | 13:22:33 | 0.060                     |
| 19738      | 09/25/2008 | 13:22:34 | 0.055                     |
| 19739      | 09/25/2008 | 13:22:35 | 0.055                     |
| 19740      | 09/25/2008 | 13:22:36 | 0.053                     |
| 19741      | 09/25/2008 | 13:22:37 | 0.056                     |
| 19742      | 09/25/2008 | 13:22:38 | 0.057                     |
| 19743      | 09/25/2008 | 13:22:39 | 0.061                     |
| 19744      | 09/25/2008 | 13:22:40 | 0.062                     |
| 19745      | 09/25/2008 | 13:22:41 | 0.066                     |
| 19746      | 09/25/2008 | 13:22:42 | 0.071                     |
| 19747      | 09/25/2008 | 13:22:43 | 0.060                     |
| 19748      | 09/25/2008 | 13:22:44 | 0.072                     |
| 19749      | 09/25/2008 | 13:22:45 | 0.060                     |
| 19750      | 09/25/2008 | 13:22:46 | 0.060                     |
| 19751      | 09/25/2008 | 13:22:47 | 0.059                     |
| 19752      | 09/25/2008 | 13:22:48 | 0.069                     |
| 19753      | 09/25/2008 | 13:22:49 | 0.056                     |
| 19754      | 09/25/2008 | 13:22:50 | 0.080                     |
| 19755      | 09/25/2008 | 13:22:51 | 0.075                     |
| 19756      | 09/25/2008 | 13:22:52 | 0.077                     |
| 19757      | 09/25/2008 | 13:22:53 | 0.062                     |
| 19758      | 09/25/2008 | 13:22:54 | 0.059                     |
| 19759      | 09/25/2008 | 13:22:55 | 0.053                     |
| 19760      | 09/25/2008 | 13:22:56 | 0.058                     |
| 19761      | 09/25/2008 | 13:22:57 | 0.069                     |
| 19762      | 09/25/2008 | 13:22:58 | 0.105                     |
| 19763      | 09/25/2008 | 13:22:59 | 0.102                     |
| 19764      | 09/25/2008 | 13:23:00 | 0.058                     |
| 19765      | 09/25/2008 | 13:23:01 | 0.055                     |
| 19766      | 09/25/2008 | 13:23:02 | 0.060                     |
| 19767      | 09/25/2008 | 13:23:03 | 0.059                     |
| 19768      | 09/25/2008 | 13:23:04 | 0.063                     |
| 19769      | 09/25/2008 | 13:23:05 | 0.060                     |
| 19770      | 09/25/2008 | 13:23:06 | 0.058                     |
| 19771      | 09/25/2008 | 13:23:07 | 0.062                     |
| 19772      | 09/25/2008 | 13:23:08 | 0.064                     |
| 19773      | 09/25/2008 | 13:23:09 | 0.073                     |
| 19774      | 09/25/2008 | 13:23:10 | 0.055                     |
| 19775      | 09/25/2008 | 13:23:11 | 0.063                     |
| 19776      | 09/25/2008 | 13:23:12 | 0.058                     |
| 19777      | 09/25/2008 | 13:23:13 | 0.099                     |
| 19778      | 09/25/2008 | 13:23:14 | 0.067                     |
| 19779      | 09/25/2008 | 13:23:15 | 0.113                     |
| 19780      | 09/25/2008 | 13:23:16 | 0.298                     |
| 19781      | 09/25/2008 | 13:23:17 | 0.128                     |
| 19782      | 09/25/2008 | 13:23:18 | 0.096                     |
| 19783      | 09/25/2008 | 13:23:19 | 0.082                     |
| 19784      | 09/25/2008 | 13:23:20 | 0.111                     |
| 19785      | 09/25/2008 | 13:23:21 | 0.137                     |
| 19786      | 09/25/2008 | 13:23:22 | 0.081                     |
| 19787      | 09/25/2008 | 13:23:23 | 0.086                     |
| 19788      | 09/25/2008 | 13:23:24 | 0.134                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 19789      | 09/25/2008 | 13:23:25 | 0.065                     |
| 19790      | 09/25/2008 | 13:23:26 | 0.067                     |
| 19791      | 09/25/2008 | 13:23:27 | 0.162                     |
| 19792      | 09/25/2008 | 13:23:28 | 0.061                     |
| 19793      | 09/25/2008 | 13:23:29 | 0.070                     |
| 19794      | 09/25/2008 | 13:23:30 | 0.059                     |
| 19795      | 09/25/2008 | 13:23:31 | 0.065                     |
| 19796      | 09/25/2008 | 13:23:32 | 0.060                     |
| 19797      | 09/25/2008 | 13:23:33 | 0.078                     |
| 19798      | 09/25/2008 | 13:23:34 | 0.069                     |
| 19799      | 09/25/2008 | 13:23:35 | 0.063                     |
| 19800      | 09/25/2008 | 13:23:36 | 0.066                     |
| 19801      | 09/25/2008 | 13:23:37 | 0.063                     |
| 19802      | 09/25/2008 | 13:23:38 | 0.058                     |
| 19803      | 09/25/2008 | 13:23:39 | 0.061                     |
| 19804      | 09/25/2008 | 13:23:40 | 0.064                     |
| 19805      | 09/25/2008 | 13:23:41 | 0.062                     |
| 19806      | 09/25/2008 | 13:23:42 | 0.063                     |
| 19807      | 09/25/2008 | 13:23:43 | 0.082                     |
| 19808      | 09/25/2008 | 13:23:44 | 0.069                     |
| 19809      | 09/25/2008 | 13:23:45 | 0.093                     |
| 19810      | 09/25/2008 | 13:23:46 | 0.056                     |
| 19811      | 09/25/2008 | 13:23:47 | 0.058                     |
| 19812      | 09/25/2008 | 13:23:48 | 0.064                     |
| 19813      | 09/25/2008 | 13:23:49 | 0.061                     |
| 19814      | 09/25/2008 | 13:23:50 | 0.061                     |
| 19815      | 09/25/2008 | 13:23:51 | 0.056                     |
| 19816      | 09/25/2008 | 13:23:52 | 0.055                     |
| 19817      | 09/25/2008 | 13:23:53 | 0.059                     |
| 19818      | 09/25/2008 | 13:23:54 | 0.055                     |
| 19819      | 09/25/2008 | 13:23:55 | 0.067                     |
| 19820      | 09/25/2008 | 13:23:56 | 0.051                     |
| 19821      | 09/25/2008 | 13:23:57 | 0.065                     |
| 19822      | 09/25/2008 | 13:23:58 | 0.053                     |
| 19823      | 09/25/2008 | 13:23:59 | 0.058                     |
| 19824      | 09/25/2008 | 13:24:00 | 0.061                     |
| 19825      | 09/25/2008 | 13:24:01 | 0.071                     |
| 19826      | 09/25/2008 | 13:24:02 | 0.074                     |
| 19827      | 09/25/2008 | 13:24:03 | 0.062                     |
| 19828      | 09/25/2008 | 13:24:04 | 0.058                     |
| 19829      | 09/25/2008 | 13:24:05 | 0.056                     |
| 19830      | 09/25/2008 | 13:24:06 | 0.057                     |
| 19831      | 09/25/2008 | 13:24:07 | 0.067                     |
| 19832      | 09/25/2008 | 13:24:08 | 0.060                     |
| 19833      | 09/25/2008 | 13:24:09 | 0.062                     |
| 19834      | 09/25/2008 | 13:24:10 | 0.074                     |
| 19835      | 09/25/2008 | 13:24:11 | 0.061                     |
| 19836      | 09/25/2008 | 13:24:12 | 0.055                     |
| 19837      | 09/25/2008 | 13:24:13 | 0.060                     |
| 19838      | 09/25/2008 | 13:24:14 | 0.069                     |
| 19839      | 09/25/2008 | 13:24:15 | 0.053                     |
| 19840      | 09/25/2008 | 13:24:16 | 0.055                     |
| 19841      | 09/25/2008 | 13:24:17 | 0.059                     |
| 19842      | 09/25/2008 | 13:24:18 | 0.054                     |
| 19843      | 09/25/2008 | 13:24:19 | 0.058                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 19844      | 09/25/2008 | 13:24:20 | 0.052                     |
| 19845      | 09/25/2008 | 13:24:21 | 0.055                     |
| 19846      | 09/25/2008 | 13:24:22 | 0.054                     |
| 19847      | 09/25/2008 | 13:24:23 | 0.056                     |
| 19848      | 09/25/2008 | 13:24:24 | 0.056                     |
| 19849      | 09/25/2008 | 13:24:25 | 0.056                     |
| 19850      | 09/25/2008 | 13:24:26 | 0.074                     |
| 19851      | 09/25/2008 | 13:24:27 | 0.063                     |
| 19852      | 09/25/2008 | 13:24:28 | 0.062                     |
| 19853      | 09/25/2008 | 13:24:29 | 0.060                     |
| 19854      | 09/25/2008 | 13:24:30 | 0.057                     |
| 19855      | 09/25/2008 | 13:24:31 | 0.057                     |
| 19856      | 09/25/2008 | 13:24:32 | 0.067                     |
| 19857      | 09/25/2008 | 13:24:33 | 0.069                     |
| 19858      | 09/25/2008 | 13:24:34 | 0.060                     |
| 19859      | 09/25/2008 | 13:24:35 | 0.061                     |
| 19860      | 09/25/2008 | 13:24:36 | 0.071                     |
| 19861      | 09/25/2008 | 13:24:37 | 0.061                     |
| 19862      | 09/25/2008 | 13:24:38 | 0.061                     |
| 19863      | 09/25/2008 | 13:24:39 | 0.064                     |
| 19864      | 09/25/2008 | 13:24:40 | 0.071                     |
| 19865      | 09/25/2008 | 13:24:41 | 0.061                     |
| 19866      | 09/25/2008 | 13:24:42 | 0.069                     |
| 19867      | 09/25/2008 | 13:24:43 | 0.096                     |
| 19868      | 09/25/2008 | 13:24:44 | 0.056                     |
| 19869      | 09/25/2008 | 13:24:45 | 0.093                     |
| 19870      | 09/25/2008 | 13:24:46 | 0.057                     |
| 19871      | 09/25/2008 | 13:24:47 | 0.054                     |
| 19872      | 09/25/2008 | 13:24:48 | 0.069                     |
| 19873      | 09/25/2008 | 13:24:49 | 0.060                     |
| 19874      | 09/25/2008 | 13:24:50 | 0.065                     |
| 19875      | 09/25/2008 | 13:24:51 | 0.056                     |
| 19876      | 09/25/2008 | 13:24:52 | 0.057                     |
| 19877      | 09/25/2008 | 13:24:53 | 0.061                     |
| 19878      | 09/25/2008 | 13:24:54 | 0.059                     |
| 19879      | 09/25/2008 | 13:24:55 | 0.068                     |
| 19880      | 09/25/2008 | 13:24:56 | 0.074                     |
| 19881      | 09/25/2008 | 13:24:57 | 0.058                     |
| 19882      | 09/25/2008 | 13:24:58 | 0.059                     |
| 19883      | 09/25/2008 | 13:24:59 | 0.060                     |
| 19884      | 09/25/2008 | 13:25:00 | 0.060                     |
| 19885      | 09/25/2008 | 13:25:01 | 0.060                     |
| 19886      | 09/25/2008 | 13:25:02 | 0.071                     |
| 19887      | 09/25/2008 | 13:25:03 | 0.067                     |
| 19888      | 09/25/2008 | 13:25:04 | 0.076                     |
| 19889      | 09/25/2008 | 13:25:05 | 0.092                     |
| 19890      | 09/25/2008 | 13:25:06 | 0.062                     |
| 19891      | 09/25/2008 | 13:25:07 | 0.079                     |
| 19892      | 09/25/2008 | 13:25:08 | 0.079                     |
| 19893      | 09/25/2008 | 13:25:09 | 0.072                     |
| 19894      | 09/25/2008 | 13:25:10 | 0.059                     |
| 19895      | 09/25/2008 | 13:25:11 | 0.064                     |
| 19896      | 09/25/2008 | 13:25:12 | 0.062                     |
| 19897      | 09/25/2008 | 13:25:13 | 0.060                     |
| 19898      | 09/25/2008 | 13:25:14 | 0.056                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 19899      | 09/25/2008 | 13:25:15 | 0.060                     |
| 19900      | 09/25/2008 | 13:25:16 | 0.056                     |
| 19901      | 09/25/2008 | 13:25:17 | 0.062                     |
| 19902      | 09/25/2008 | 13:25:18 | 0.062                     |
| 19903      | 09/25/2008 | 13:25:19 | 0.106                     |
| 19904      | 09/25/2008 | 13:25:20 | 0.061                     |
| 19905      | 09/25/2008 | 13:25:21 | 0.068                     |
| 19906      | 09/25/2008 | 13:25:22 | 0.062                     |
| 19907      | 09/25/2008 | 13:25:23 | 0.058                     |
| 19908      | 09/25/2008 | 13:25:24 | 0.061                     |
| 19909      | 09/25/2008 | 13:25:25 | 0.057                     |
| 19910      | 09/25/2008 | 13:25:26 | 0.055                     |
| 19911      | 09/25/2008 | 13:25:27 | 0.063                     |
| 19912      | 09/25/2008 | 13:25:28 | 0.056                     |
| 19913      | 09/25/2008 | 13:25:29 | 0.056                     |
| 19914      | 09/25/2008 | 13:25:30 | 0.061                     |
| 19915      | 09/25/2008 | 13:25:31 | 0.066                     |
| 19916      | 09/25/2008 | 13:25:32 | 0.067                     |
| 19917      | 09/25/2008 | 13:25:33 | 0.057                     |
| 19918      | 09/25/2008 | 13:25:34 | 0.071                     |
| 19919      | 09/25/2008 | 13:25:35 | 0.061                     |
| 19920      | 09/25/2008 | 13:25:36 | 0.067                     |
| 19921      | 09/25/2008 | 13:25:37 | 0.062                     |
| 19922      | 09/25/2008 | 13:25:38 | 0.069                     |
| 19923      | 09/25/2008 | 13:25:39 | 0.070                     |
| 19924      | 09/25/2008 | 13:25:40 | 0.056                     |
| 19925      | 09/25/2008 | 13:25:41 | 0.054                     |
| 19926      | 09/25/2008 | 13:25:42 | 0.054                     |
| 19927      | 09/25/2008 | 13:25:43 | 0.052                     |
| 19928      | 09/25/2008 | 13:25:44 | 0.057                     |
| 19929      | 09/25/2008 | 13:25:45 | 0.057                     |
| 19930      | 09/25/2008 | 13:25:46 | 0.063                     |
| 19931      | 09/25/2008 | 13:25:47 | 0.054                     |
| 19932      | 09/25/2008 | 13:25:48 | 0.066                     |
| 19933      | 09/25/2008 | 13:25:49 | 0.718                     |
| 19934      | 09/25/2008 | 13:25:50 | 0.067                     |
| 19935      | 09/25/2008 | 13:25:51 | 0.059                     |
| 19936      | 09/25/2008 | 13:25:52 | 0.054                     |
| 19937      | 09/25/2008 | 13:25:53 | 0.065                     |
| 19938      | 09/25/2008 | 13:25:54 | 0.064                     |
| 19939      | 09/25/2008 | 13:25:55 | 0.061                     |
| 19940      | 09/25/2008 | 13:25:56 | 0.078                     |
| 19941      | 09/25/2008 | 13:25:57 | 0.061                     |
| 19942      | 09/25/2008 | 13:25:58 | 0.075                     |
| 19943      | 09/25/2008 | 13:25:59 | 0.070                     |
| 19944      | 09/25/2008 | 13:26:00 | 0.079                     |
| 19945      | 09/25/2008 | 13:26:01 | 0.058                     |
| 19946      | 09/25/2008 | 13:26:02 | 0.080                     |
| 19947      | 09/25/2008 | 13:26:03 | 0.092                     |
| 19948      | 09/25/2008 | 13:26:04 | 0.092                     |
| 19949      | 09/25/2008 | 13:26:05 | 0.076                     |
| 19950      | 09/25/2008 | 13:26:06 | 0.098                     |
| 19951      | 09/25/2008 | 13:26:07 | 0.083                     |
| 19952      | 09/25/2008 | 13:26:08 | 0.076                     |
| 19953      | 09/25/2008 | 13:26:09 | 0.062                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 19954      | 09/25/2008 | 13:26:10 | 0.056                     |
| 19955      | 09/25/2008 | 13:26:11 | 0.053                     |
| 19956      | 09/25/2008 | 13:26:12 | 0.067                     |
| 19957      | 09/25/2008 | 13:26:13 | 0.061                     |
| 19958      | 09/25/2008 | 13:26:14 | 0.060                     |
| 19959      | 09/25/2008 | 13:26:15 | 0.058                     |
| 19960      | 09/25/2008 | 13:26:16 | 0.064                     |
| 19961      | 09/25/2008 | 13:26:17 | 0.066                     |
| 19962      | 09/25/2008 | 13:26:18 | 0.059                     |
| 19963      | 09/25/2008 | 13:26:19 | 0.058                     |
| 19964      | 09/25/2008 | 13:26:20 | 0.056                     |
| 19965      | 09/25/2008 | 13:26:21 | 0.058                     |
| 19966      | 09/25/2008 | 13:26:22 | 0.059                     |
| 19967      | 09/25/2008 | 13:26:23 | 0.055                     |
| 19968      | 09/25/2008 | 13:26:24 | 0.059                     |
| 19969      | 09/25/2008 | 13:26:25 | 0.056                     |
| 19970      | 09/25/2008 | 13:26:26 | 0.054                     |
| 19971      | 09/25/2008 | 13:26:27 | 0.055                     |
| 19972      | 09/25/2008 | 13:26:28 | 0.049                     |
| 19973      | 09/25/2008 | 13:26:29 | 0.056                     |
| 19974      | 09/25/2008 | 13:26:30 | 0.056                     |
| 19975      | 09/25/2008 | 13:26:31 | 0.057                     |
| 19976      | 09/25/2008 | 13:26:32 | 0.057                     |
| 19977      | 09/25/2008 | 13:26:33 | 0.061                     |
| 19978      | 09/25/2008 | 13:26:34 | 0.105                     |
| 19979      | 09/25/2008 | 13:26:35 | 0.059                     |
| 19980      | 09/25/2008 | 13:26:36 | 0.057                     |
| 19981      | 09/25/2008 | 13:26:37 | 0.059                     |
| 19982      | 09/25/2008 | 13:26:38 | 0.058                     |
| 19983      | 09/25/2008 | 13:26:39 | 0.062                     |
| 19984      | 09/25/2008 | 13:26:40 | 0.065                     |
| 19985      | 09/25/2008 | 13:26:41 | 0.064                     |
| 19986      | 09/25/2008 | 13:26:42 | 0.070                     |
| 19987      | 09/25/2008 | 13:26:43 | 0.057                     |
| 19988      | 09/25/2008 | 13:26:44 | 0.066                     |
| 19989      | 09/25/2008 | 13:26:45 | 0.054                     |
| 19990      | 09/25/2008 | 13:26:46 | 0.061                     |
| 19991      | 09/25/2008 | 13:26:47 | 0.051                     |
| 19992      | 09/25/2008 | 13:26:48 | 0.056                     |
| 19993      | 09/25/2008 | 13:26:49 | 0.062                     |
| 19994      | 09/25/2008 | 13:26:50 | 0.056                     |
| 19995      | 09/25/2008 | 13:26:51 | 0.063                     |
| 19996      | 09/25/2008 | 13:26:52 | 0.065                     |
| 19997      | 09/25/2008 | 13:26:53 | 0.061                     |
| 19998      | 09/25/2008 | 13:26:54 | 0.058                     |
| 19999      | 09/25/2008 | 13:26:55 | 0.060                     |
| 20000      | 09/25/2008 | 13:26:56 | 0.059                     |
| 20001      | 09/25/2008 | 13:26:57 | 0.056                     |
| 20002      | 09/25/2008 | 13:26:58 | 0.053                     |
| 20003      | 09/25/2008 | 13:26:59 | 0.054                     |
| 20004      | 09/25/2008 | 13:27:00 | 0.066                     |
| 20005      | 09/25/2008 | 13:27:01 | 0.053                     |
| 20006      | 09/25/2008 | 13:27:02 | 0.054                     |
| 20007      | 09/25/2008 | 13:27:03 | 0.061                     |
| 20008      | 09/25/2008 | 13:27:04 | 0.063                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 20009      | 09/25/2008 | 13:27:05 | 0.059                     |
| 20010      | 09/25/2008 | 13:27:06 | 0.057                     |
| 20011      | 09/25/2008 | 13:27:07 | 0.059                     |
| 20012      | 09/25/2008 | 13:27:08 | 0.065                     |
| 20013      | 09/25/2008 | 13:27:09 | 0.075                     |
| 20014      | 09/25/2008 | 13:27:10 | 0.054                     |
| 20015      | 09/25/2008 | 13:27:11 | 0.057                     |
| 20016      | 09/25/2008 | 13:27:12 | 0.058                     |
| 20017      | 09/25/2008 | 13:27:13 | 0.066                     |
| 20018      | 09/25/2008 | 13:27:14 | 0.091                     |
| 20019      | 09/25/2008 | 13:27:15 | 0.067                     |
| 20020      | 09/25/2008 | 13:27:16 | 0.058                     |
| 20021      | 09/25/2008 | 13:27:17 | 0.053                     |
| 20022      | 09/25/2008 | 13:27:18 | 0.065                     |
| 20023      | 09/25/2008 | 13:27:19 | 0.061                     |
| 20024      | 09/25/2008 | 13:27:20 | 0.055                     |
| 20025      | 09/25/2008 | 13:27:21 | 0.054                     |
| 20026      | 09/25/2008 | 13:27:22 | 0.056                     |
| 20027      | 09/25/2008 | 13:27:23 | 0.074                     |
| 20028      | 09/25/2008 | 13:27:24 | 0.069                     |
| 20029      | 09/25/2008 | 13:27:25 | 0.081                     |
| 20030      | 09/25/2008 | 13:27:26 | 0.055                     |
| 20031      | 09/25/2008 | 13:27:27 | 0.060                     |
| 20032      | 09/25/2008 | 13:27:28 | 0.085                     |
| 20033      | 09/25/2008 | 13:27:29 | 0.059                     |
| 20034      | 09/25/2008 | 13:27:30 | 0.059                     |
| 20035      | 09/25/2008 | 13:27:31 | 0.061                     |
| 20036      | 09/25/2008 | 13:27:32 | 0.060                     |
| 20037      | 09/25/2008 | 13:27:33 | 0.060                     |
| 20038      | 09/25/2008 | 13:27:34 | 0.058                     |
| 20039      | 09/25/2008 | 13:27:35 | 0.065                     |
| 20040      | 09/25/2008 | 13:27:36 | 0.055                     |
| 20041      | 09/25/2008 | 13:27:37 | 0.059                     |
| 20042      | 09/25/2008 | 13:27:38 | 0.059                     |
| 20043      | 09/25/2008 | 13:27:39 | 0.066                     |
| 20044      | 09/25/2008 | 13:27:40 | 0.059                     |
| 20045      | 09/25/2008 | 13:27:41 | 0.068                     |
| 20046      | 09/25/2008 | 13:27:42 | 0.064                     |
| 20047      | 09/25/2008 | 13:27:43 | 0.059                     |
| 20048      | 09/25/2008 | 13:27:44 | 0.059                     |
| 20049      | 09/25/2008 | 13:27:45 | 0.050                     |
| 20050      | 09/25/2008 | 13:27:46 | 0.054                     |
| 20051      | 09/25/2008 | 13:27:47 | 0.086                     |
| 20052      | 09/25/2008 | 13:27:48 | 0.063                     |
| 20053      | 09/25/2008 | 13:27:49 | 0.051                     |
| 20054      | 09/25/2008 | 13:27:50 | 0.057                     |
| 20055      | 09/25/2008 | 13:27:51 | 0.060                     |
| 20056      | 09/25/2008 | 13:27:52 | 0.055                     |
| 20057      | 09/25/2008 | 13:27:53 | 0.059                     |
| 20058      | 09/25/2008 | 13:27:54 | 0.065                     |
| 20059      | 09/25/2008 | 13:27:55 | 0.065                     |
| 20060      | 09/25/2008 | 13:27:56 | 0.064                     |
| 20061      | 09/25/2008 | 13:27:57 | 0.061                     |
| 20062      | 09/25/2008 | 13:27:58 | 0.057                     |
| 20063      | 09/25/2008 | 13:27:59 | 0.057                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 20064      | 09/25/2008 | 13:28:00 | 0.063                     |
| 20065      | 09/25/2008 | 13:28:01 | 0.070                     |
| 20066      | 09/25/2008 | 13:28:02 | 0.064                     |
| 20067      | 09/25/2008 | 13:28:03 | 0.104                     |
| 20068      | 09/25/2008 | 13:28:04 | 0.056                     |
| 20069      | 09/25/2008 | 13:28:05 | 0.069                     |
| 20070      | 09/25/2008 | 13:28:06 | 0.055                     |
| 20071      | 09/25/2008 | 13:28:07 | 0.066                     |
| 20072      | 09/25/2008 | 13:28:08 | 0.055                     |
| 20073      | 09/25/2008 | 13:28:09 | 0.076                     |
| 20074      | 09/25/2008 | 13:28:10 | 0.061                     |
| 20075      | 09/25/2008 | 13:28:11 | 0.068                     |
| 20076      | 09/25/2008 | 13:28:12 | 0.061                     |
| 20077      | 09/25/2008 | 13:28:13 | 0.074                     |
| 20078      | 09/25/2008 | 13:28:14 | 0.060                     |
| 20079      | 09/25/2008 | 13:28:15 | 0.126                     |
| 20080      | 09/25/2008 | 13:28:16 | 0.062                     |
| 20081      | 09/25/2008 | 13:28:17 | 0.093                     |
| 20082      | 09/25/2008 | 13:28:18 | 0.104                     |
| 20083      | 09/25/2008 | 13:28:19 | 0.063                     |
| 20084      | 09/25/2008 | 13:28:20 | 0.081                     |
| 20085      | 09/25/2008 | 13:28:21 | 0.072                     |
| 20086      | 09/25/2008 | 13:28:22 | 0.085                     |
| 20087      | 09/25/2008 | 13:28:23 | 0.078                     |
| 20088      | 09/25/2008 | 13:28:24 | 0.068                     |
| 20089      | 09/25/2008 | 13:28:25 | 0.067                     |
| 20090      | 09/25/2008 | 13:28:26 | 0.056                     |
| 20091      | 09/25/2008 | 13:28:27 | 0.062                     |
| 20092      | 09/25/2008 | 13:28:28 | 0.067                     |
| 20093      | 09/25/2008 | 13:28:29 | 0.085                     |
| 20094      | 09/25/2008 | 13:28:30 | 0.098                     |
| 20095      | 09/25/2008 | 13:28:31 | 0.071                     |
| 20096      | 09/25/2008 | 13:28:32 | 0.077                     |
| 20097      | 09/25/2008 | 13:28:33 | 0.120                     |
| 20098      | 09/25/2008 | 13:28:34 | 0.111                     |
| 20099      | 09/25/2008 | 13:28:35 | 0.079                     |
| 20100      | 09/25/2008 | 13:28:36 | 0.077                     |
| 20101      | 09/25/2008 | 13:28:37 | 0.079                     |
| 20102      | 09/25/2008 | 13:28:38 | 0.064                     |
| 20103      | 09/25/2008 | 13:28:39 | 0.071                     |
| 20104      | 09/25/2008 | 13:28:40 | 0.077                     |
| 20105      | 09/25/2008 | 13:28:41 | 0.081                     |
| 20106      | 09/25/2008 | 13:28:42 | 0.078                     |
| 20107      | 09/25/2008 | 13:28:43 | 0.067                     |
| 20108      | 09/25/2008 | 13:28:44 | 0.077                     |
| 20109      | 09/25/2008 | 13:28:45 | 0.064                     |
| 20110      | 09/25/2008 | 13:28:46 | 0.065                     |
| 20111      | 09/25/2008 | 13:28:47 | 0.065                     |
| 20112      | 09/25/2008 | 13:28:48 | 0.069                     |
| 20113      | 09/25/2008 | 13:28:49 | 0.056                     |
| 20114      | 09/25/2008 | 13:28:50 | 0.063                     |
| 20115      | 09/25/2008 | 13:28:51 | 0.093                     |
| 20116      | 09/25/2008 | 13:28:52 | 0.078                     |
| 20117      | 09/25/2008 | 13:28:53 | 0.137                     |
| 20118      | 09/25/2008 | 13:28:54 | 0.082                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 20119      | 09/25/2008 | 13:28:55 | 0.069                     |
| 20120      | 09/25/2008 | 13:28:56 | 0.075                     |
| 20121      | 09/25/2008 | 13:28:57 | 0.087                     |
| 20122      | 09/25/2008 | 13:28:58 | 0.082                     |
| 20123      | 09/25/2008 | 13:28:59 | 0.074                     |
| 20124      | 09/25/2008 | 13:29:00 | 0.077                     |
| 20125      | 09/25/2008 | 13:29:01 | 0.072                     |
| 20126      | 09/25/2008 | 13:29:02 | 0.107                     |
| 20127      | 09/25/2008 | 13:29:03 | 0.063                     |
| 20128      | 09/25/2008 | 13:29:04 | 0.069                     |
| 20129      | 09/25/2008 | 13:29:05 | 0.069                     |
| 20130      | 09/25/2008 | 13:29:06 | 0.065                     |
| 20131      | 09/25/2008 | 13:29:07 | 0.071                     |
| 20132      | 09/25/2008 | 13:29:08 | 0.065                     |
| 20133      | 09/25/2008 | 13:29:09 | 0.063                     |
| 20134      | 09/25/2008 | 13:29:10 | 0.078                     |
| 20135      | 09/25/2008 | 13:29:11 | 0.065                     |
| 20136      | 09/25/2008 | 13:29:12 | 0.059                     |
| 20137      | 09/25/2008 | 13:29:13 | 0.065                     |
| 20138      | 09/25/2008 | 13:29:14 | 0.060                     |
| 20139      | 09/25/2008 | 13:29:15 | 0.063                     |
| 20140      | 09/25/2008 | 13:29:16 | 0.059                     |
| 20141      | 09/25/2008 | 13:29:17 | 0.065                     |
| 20142      | 09/25/2008 | 13:29:18 | 0.070                     |
| 20143      | 09/25/2008 | 13:29:19 | 0.081                     |
| 20144      | 09/25/2008 | 13:29:20 | 0.081                     |
| 20145      | 09/25/2008 | 13:29:21 | 0.114                     |
| 20146      | 09/25/2008 | 13:29:22 | 0.111                     |
| 20147      | 09/25/2008 | 13:29:23 | 0.115                     |
| 20148      | 09/25/2008 | 13:29:24 | 0.104                     |
| 20149      | 09/25/2008 | 13:29:25 | 0.112                     |
| 20150      | 09/25/2008 | 13:29:26 | 0.141                     |
| 20151      | 09/25/2008 | 13:29:27 | 0.088                     |
| 20152      | 09/25/2008 | 13:29:28 | 0.123                     |
| 20153      | 09/25/2008 | 13:29:29 | 0.111                     |
| 20154      | 09/25/2008 | 13:29:30 | 0.107                     |
| 20155      | 09/25/2008 | 13:29:31 | 0.075                     |
| 20156      | 09/25/2008 | 13:29:32 | 0.067                     |
| 20157      | 09/25/2008 | 13:29:33 | 0.071                     |
| 20158      | 09/25/2008 | 13:29:34 | 0.120                     |
| 20159      | 09/25/2008 | 13:29:35 | 0.127                     |
| 20160      | 09/25/2008 | 13:29:36 | 0.082                     |
| 20161      | 09/25/2008 | 13:29:37 | 0.068                     |
| 20162      | 09/25/2008 | 13:29:38 | 0.495                     |
| 20163      | 09/25/2008 | 13:29:39 | 0.946                     |
| 20164      | 09/25/2008 | 13:29:40 | 0.312                     |
| 20165      | 09/25/2008 | 13:29:41 | 0.138                     |
| 20166      | 09/25/2008 | 13:29:42 | 0.093                     |
| 20167      | 09/25/2008 | 13:29:43 | 0.091                     |
| 20168      | 09/25/2008 | 13:29:44 | 0.104                     |
| 20169      | 09/25/2008 | 13:29:45 | 0.080                     |
| 20170      | 09/25/2008 | 13:29:46 | 0.104                     |
| 20171      | 09/25/2008 | 13:29:47 | 0.092                     |
| 20172      | 09/25/2008 | 13:29:48 | 0.081                     |
| 20173      | 09/25/2008 | 13:29:49 | 0.084                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 20174      | 09/25/2008 | 13:29:50 | 0.074                     |
| 20175      | 09/25/2008 | 13:29:51 | 0.086                     |
| 20176      | 09/25/2008 | 13:29:52 | 0.074                     |
| 20177      | 09/25/2008 | 13:29:53 | 0.068                     |
| 20178      | 09/25/2008 | 13:29:54 | 0.089                     |
| 20179      | 09/25/2008 | 13:29:55 | 0.120                     |
| 20180      | 09/25/2008 | 13:29:56 | 0.068                     |
| 20181      | 09/25/2008 | 13:29:57 | 0.072                     |
| 20182      | 09/25/2008 | 13:29:58 | 0.068                     |
| 20183      | 09/25/2008 | 13:29:59 | 0.071                     |
| 20184      | 09/25/2008 | 13:30:00 | 0.073                     |
| 20185      | 09/25/2008 | 13:30:01 | 0.067                     |
| 20186      | 09/25/2008 | 13:30:02 | 0.061                     |
| 20187      | 09/25/2008 | 13:30:03 | 0.062                     |
| 20188      | 09/25/2008 | 13:30:04 | 0.061                     |
| 20189      | 09/25/2008 | 13:30:05 | 0.059                     |
| 20190      | 09/25/2008 | 13:30:06 | 0.059                     |
| 20191      | 09/25/2008 | 13:30:07 | 0.067                     |
| 20192      | 09/25/2008 | 13:30:08 | 0.056                     |
| 20193      | 09/25/2008 | 13:30:09 | 0.054                     |
| 20194      | 09/25/2008 | 13:30:10 | 0.054                     |
| 20195      | 09/25/2008 | 13:30:11 | 0.055                     |
| 20196      | 09/25/2008 | 13:30:12 | 0.061                     |
| 20197      | 09/25/2008 | 13:30:13 | 0.068                     |
| 20198      | 09/25/2008 | 13:30:14 | 0.062                     |
| 20199      | 09/25/2008 | 13:30:15 | 0.060                     |
| 20200      | 09/25/2008 | 13:30:16 | 0.060                     |
| 20201      | 09/25/2008 | 13:30:17 | 0.060                     |
| 20202      | 09/25/2008 | 13:30:18 | 0.056                     |
| 20203      | 09/25/2008 | 13:30:19 | 0.055                     |
| 20204      | 09/25/2008 | 13:30:20 | 0.055                     |
| 20205      | 09/25/2008 | 13:30:21 | 0.056                     |
| 20206      | 09/25/2008 | 13:30:22 | 0.062                     |
| 20207      | 09/25/2008 | 13:30:23 | 0.057                     |
| 20208      | 09/25/2008 | 13:30:24 | 0.057                     |
| 20209      | 09/25/2008 | 13:30:25 | 0.058                     |
| 20210      | 09/25/2008 | 13:30:26 | 0.058                     |
| 20211      | 09/25/2008 | 13:30:27 | 0.054                     |
| 20212      | 09/25/2008 | 13:30:28 | 0.052                     |
| 20213      | 09/25/2008 | 13:30:29 | 0.052                     |
| 20214      | 09/25/2008 | 13:30:30 | 0.054                     |
| 20215      | 09/25/2008 | 13:30:31 | 0.058                     |
| 20216      | 09/25/2008 | 13:30:32 | 0.062                     |
| 20217      | 09/25/2008 | 13:30:33 | 0.055                     |
| 20218      | 09/25/2008 | 13:30:34 | 0.058                     |
| 20219      | 09/25/2008 | 13:30:35 | 0.059                     |
| 20220      | 09/25/2008 | 13:30:36 | 0.059                     |
| 20221      | 09/25/2008 | 13:30:37 | 0.055                     |
| 20222      | 09/25/2008 | 13:30:38 | 0.059                     |
| 20223      | 09/25/2008 | 13:30:39 | 0.059                     |
| 20224      | 09/25/2008 | 13:30:40 | 0.059                     |
| 20225      | 09/25/2008 | 13:30:41 | 0.055                     |
| 20226      | 09/25/2008 | 13:30:42 | 0.062                     |
| 20227      | 09/25/2008 | 13:30:43 | 0.051                     |
| 20228      | 09/25/2008 | 13:30:44 | 0.058                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 20229      | 09/25/2008 | 13:30:45 | 0.056                     |
| 20230      | 09/25/2008 | 13:30:46 | 0.054                     |
| 20231      | 09/25/2008 | 13:30:47 | 0.070                     |
| 20232      | 09/25/2008 | 13:30:48 | 0.054                     |
| 20233      | 09/25/2008 | 13:30:49 | 0.062                     |
| 20234      | 09/25/2008 | 13:30:50 | 0.051                     |
| 20235      | 09/25/2008 | 13:30:51 | 0.058                     |
| 20236      | 09/25/2008 | 13:30:52 | 0.049                     |
| 20237      | 09/25/2008 | 13:30:53 | 0.055                     |
| 20238      | 09/25/2008 | 13:30:54 | 0.053                     |
| 20239      | 09/25/2008 | 13:30:55 | 0.054                     |
| 20240      | 09/25/2008 | 13:30:56 | 0.055                     |
| 20241      | 09/25/2008 | 13:30:57 | 0.055                     |
| 20242      | 09/25/2008 | 13:30:58 | 0.056                     |
| 20243      | 09/25/2008 | 13:30:59 | 0.054                     |
| 20244      | 09/25/2008 | 13:31:00 | 0.068                     |
| 20245      | 09/25/2008 | 13:31:01 | 0.052                     |
| 20246      | 09/25/2008 | 13:31:02 | 0.052                     |
| 20247      | 09/25/2008 | 13:31:03 | 0.061                     |
| 20248      | 09/25/2008 | 13:31:04 | 0.057                     |
| 20249      | 09/25/2008 | 13:31:05 | 0.074                     |
| 20250      | 09/25/2008 | 13:31:06 | 0.056                     |
| 20251      | 09/25/2008 | 13:31:07 | 0.055                     |
| 20252      | 09/25/2008 | 13:31:08 | 0.059                     |
| 20253      | 09/25/2008 | 13:31:09 | 0.053                     |
| 20254      | 09/25/2008 | 13:31:10 | 0.054                     |
| 20255      | 09/25/2008 | 13:31:11 | 0.054                     |
| 20256      | 09/25/2008 | 13:31:12 | 0.053                     |
| 20257      | 09/25/2008 | 13:31:13 | 0.053                     |
| 20258      | 09/25/2008 | 13:31:14 | 0.051                     |
| 20259      | 09/25/2008 | 13:31:15 | 0.057                     |
| 20260      | 09/25/2008 | 13:31:16 | 0.056                     |
| 20261      | 09/25/2008 | 13:31:17 | 0.053                     |
| 20262      | 09/25/2008 | 13:31:18 | 0.052                     |
| 20263      | 09/25/2008 | 13:31:19 | 0.059                     |
| 20264      | 09/25/2008 | 13:31:20 | 0.062                     |
| 20265      | 09/25/2008 | 13:31:21 | 0.056                     |
| 20266      | 09/25/2008 | 13:31:22 | 0.058                     |
| 20267      | 09/25/2008 | 13:31:23 | 0.053                     |
| 20268      | 09/25/2008 | 13:31:24 | 0.054                     |
| 20269      | 09/25/2008 | 13:31:25 | 0.057                     |
| 20270      | 09/25/2008 | 13:31:26 | 0.054                     |
| 20271      | 09/25/2008 | 13:31:27 | 0.050                     |
| 20272      | 09/25/2008 | 13:31:28 | 0.051                     |
| 20273      | 09/25/2008 | 13:31:29 | 0.057                     |
| 20274      | 09/25/2008 | 13:31:30 | 0.062                     |
| 20275      | 09/25/2008 | 13:31:31 | 0.071                     |
| 20276      | 09/25/2008 | 13:31:32 | 0.069                     |
| 20277      | 09/25/2008 | 13:31:33 | 0.081                     |
| 20278      | 09/25/2008 | 13:31:34 | 0.080                     |
| 20279      | 09/25/2008 | 13:31:35 | 0.070                     |
| 20280      | 09/25/2008 | 13:31:36 | 0.060                     |
| 20281      | 09/25/2008 | 13:31:37 | 0.072                     |
| 20282      | 09/25/2008 | 13:31:38 | 0.077                     |
| 20283      | 09/25/2008 | 13:31:39 | 0.076                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 20284      | 09/25/2008 | 13:31:40 | 0.066                     |
| 20285      | 09/25/2008 | 13:31:41 | 0.060                     |
| 20286      | 09/25/2008 | 13:31:42 | 0.064                     |
| 20287      | 09/25/2008 | 13:31:43 | 0.062                     |
| 20288      | 09/25/2008 | 13:31:44 | 0.061                     |
| 20289      | 09/25/2008 | 13:31:45 | 0.068                     |
| 20290      | 09/25/2008 | 13:31:46 | 0.066                     |
| 20291      | 09/25/2008 | 13:31:47 | 0.067                     |
| 20292      | 09/25/2008 | 13:31:48 | 0.059                     |
| 20293      | 09/25/2008 | 13:31:49 | 0.069                     |
| 20294      | 09/25/2008 | 13:31:50 | 0.075                     |
| 20295      | 09/25/2008 | 13:31:51 | 0.076                     |
| 20296      | 09/25/2008 | 13:31:52 | 0.071                     |
| 20297      | 09/25/2008 | 13:31:53 | 0.061                     |
| 20298      | 09/25/2008 | 13:31:54 | 0.096                     |
| 20299      | 09/25/2008 | 13:31:55 | 0.085                     |
| 20300      | 09/25/2008 | 13:31:56 | 0.072                     |
| 20301      | 09/25/2008 | 13:31:57 | 0.066                     |
| 20302      | 09/25/2008 | 13:31:58 | 0.067                     |
| 20303      | 09/25/2008 | 13:31:59 | 0.063                     |
| 20304      | 09/25/2008 | 13:32:00 | 0.074                     |
| 20305      | 09/25/2008 | 13:32:01 | 0.083                     |
| 20306      | 09/25/2008 | 13:32:02 | 0.107                     |
| 20307      | 09/25/2008 | 13:32:03 | 0.070                     |
| 20308      | 09/25/2008 | 13:32:04 | 0.081                     |
| 20309      | 09/25/2008 | 13:32:05 | 0.070                     |
| 20310      | 09/25/2008 | 13:32:06 | 0.069                     |
| 20311      | 09/25/2008 | 13:32:07 | 0.060                     |
| 20312      | 09/25/2008 | 13:32:08 | 0.062                     |
| 20313      | 09/25/2008 | 13:32:09 | 0.151                     |
| 20314      | 09/25/2008 | 13:32:10 | 0.082                     |
| 20315      | 09/25/2008 | 13:32:11 | 0.081                     |
| 20316      | 09/25/2008 | 13:32:12 | 0.072                     |
| 20317      | 09/25/2008 | 13:32:13 | 0.098                     |
| 20318      | 09/25/2008 | 13:32:14 | 0.127                     |
| 20319      | 09/25/2008 | 13:32:15 | 0.064                     |
| 20320      | 09/25/2008 | 13:32:16 | 0.080                     |
| 20321      | 09/25/2008 | 13:32:17 | 0.107                     |
| 20322      | 09/25/2008 | 13:32:18 | 0.119                     |
| 20323      | 09/25/2008 | 13:32:19 | 0.090                     |
| 20324      | 09/25/2008 | 13:32:20 | 0.069                     |
| 20325      | 09/25/2008 | 13:32:21 | 0.084                     |
| 20326      | 09/25/2008 | 13:32:22 | 0.066                     |
| 20327      | 09/25/2008 | 13:32:23 | 0.058                     |
| 20328      | 09/25/2008 | 13:32:24 | 0.072                     |
| 20329      | 09/25/2008 | 13:32:25 | 0.062                     |
| 20330      | 09/25/2008 | 13:32:26 | 0.058                     |
| 20331      | 09/25/2008 | 13:32:27 | 0.058                     |
| 20332      | 09/25/2008 | 13:32:28 | 0.054                     |
| 20333      | 09/25/2008 | 13:32:29 | 0.060                     |
| 20334      | 09/25/2008 | 13:32:30 | 0.062                     |
| 20335      | 09/25/2008 | 13:32:31 | 0.059                     |
| 20336      | 09/25/2008 | 13:32:32 | 0.064                     |
| 20337      | 09/25/2008 | 13:32:33 | 0.056                     |
| 20338      | 09/25/2008 | 13:32:34 | 0.060                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 20339      | 09/25/2008 | 13:32:35 | 0.069                     |
| 20340      | 09/25/2008 | 13:32:36 | 0.076                     |
| 20341      | 09/25/2008 | 13:32:37 | 0.067                     |
| 20342      | 09/25/2008 | 13:32:38 | 0.069                     |
| 20343      | 09/25/2008 | 13:32:39 | 0.084                     |
| 20344      | 09/25/2008 | 13:32:40 | 0.077                     |
| 20345      | 09/25/2008 | 13:32:41 | 0.064                     |
| 20346      | 09/25/2008 | 13:32:42 | 0.057                     |
| 20347      | 09/25/2008 | 13:32:43 | 0.060                     |
| 20348      | 09/25/2008 | 13:32:44 | 0.059                     |
| 20349      | 09/25/2008 | 13:32:45 | 0.052                     |
| 20350      | 09/25/2008 | 13:32:46 | 0.056                     |
| 20351      | 09/25/2008 | 13:32:47 | 0.056                     |
| 20352      | 09/25/2008 | 13:32:48 | 0.062                     |
| 20353      | 09/25/2008 | 13:32:49 | 0.068                     |
| 20354      | 09/25/2008 | 13:32:50 | 0.056                     |
| 20355      | 09/25/2008 | 13:32:51 | 0.067                     |
| 20356      | 09/25/2008 | 13:32:52 | 0.112                     |
| 20357      | 09/25/2008 | 13:32:53 | 0.053                     |
| 20358      | 09/25/2008 | 13:32:54 | 0.061                     |
| 20359      | 09/25/2008 | 13:32:55 | 0.056                     |
| 20360      | 09/25/2008 | 13:32:56 | 0.056                     |
| 20361      | 09/25/2008 | 13:32:57 | 0.168                     |
| 20362      | 09/25/2008 | 13:32:58 | 0.062                     |
| 20363      | 09/25/2008 | 13:32:59 | 0.111                     |
| 20364      | 09/25/2008 | 13:33:00 | 0.056                     |
| 20365      | 09/25/2008 | 13:33:01 | 0.060                     |
| 20366      | 09/25/2008 | 13:33:02 | 0.060                     |
| 20367      | 09/25/2008 | 13:33:03 | 0.076                     |
| 20368      | 09/25/2008 | 13:33:04 | 0.075                     |
| 20369      | 09/25/2008 | 13:33:05 | 0.054                     |
| 20370      | 09/25/2008 | 13:33:06 | 0.058                     |
| 20371      | 09/25/2008 | 13:33:07 | 0.058                     |
| 20372      | 09/25/2008 | 13:33:08 | 0.059                     |
| 20373      | 09/25/2008 | 13:33:09 | 0.053                     |
| 20374      | 09/25/2008 | 13:33:10 | 0.072                     |
| 20375      | 09/25/2008 | 13:33:11 | 0.062                     |
| 20376      | 09/25/2008 | 13:33:12 | 0.069                     |
| 20377      | 09/25/2008 | 13:33:13 | 0.072                     |
| 20378      | 09/25/2008 | 13:33:14 | 0.058                     |
| 20379      | 09/25/2008 | 13:33:15 | 0.058                     |
| 20380      | 09/25/2008 | 13:33:16 | 0.060                     |
| 20381      | 09/25/2008 | 13:33:17 | 0.072                     |
| 20382      | 09/25/2008 | 13:33:18 | 0.063                     |
| 20383      | 09/25/2008 | 13:33:19 | 0.062                     |
| 20384      | 09/25/2008 | 13:33:20 | 0.072                     |
| 20385      | 09/25/2008 | 13:33:21 | 0.087                     |
| 20386      | 09/25/2008 | 13:33:22 | 0.063                     |
| 20387      | 09/25/2008 | 13:33:23 | 0.059                     |
| 20388      | 09/25/2008 | 13:33:24 | 0.135                     |
| 20389      | 09/25/2008 | 13:33:25 | 0.090                     |
| 20390      | 09/25/2008 | 13:33:26 | 0.076                     |
| 20391      | 09/25/2008 | 13:33:27 | 0.090                     |
| 20392      | 09/25/2008 | 13:33:28 | 0.111                     |
| 20393      | 09/25/2008 | 13:33:29 | 0.066                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 20394      | 09/25/2008 | 13:33:30 | 0.058                     |
| 20395      | 09/25/2008 | 13:33:31 | 0.111                     |
| 20396      | 09/25/2008 | 13:33:32 | 0.067                     |
| 20397      | 09/25/2008 | 13:33:33 | 0.086                     |
| 20398      | 09/25/2008 | 13:33:34 | 0.062                     |
| 20399      | 09/25/2008 | 13:33:35 | 0.060                     |
| 20400      | 09/25/2008 | 13:33:36 | 0.062                     |
| 20401      | 09/25/2008 | 13:33:37 | 0.069                     |
| 20402      | 09/25/2008 | 13:33:38 | 0.080                     |
| 20403      | 09/25/2008 | 13:33:39 | 0.063                     |
| 20404      | 09/25/2008 | 13:33:40 | 0.059                     |
| 20405      | 09/25/2008 | 13:33:41 | 0.067                     |
| 20406      | 09/25/2008 | 13:33:42 | 0.066                     |
| 20407      | 09/25/2008 | 13:33:43 | 0.053                     |
| 20408      | 09/25/2008 | 13:33:44 | 0.097                     |
| 20409      | 09/25/2008 | 13:33:45 | 0.060                     |
| 20410      | 09/25/2008 | 13:33:46 | 0.060                     |
| 20411      | 09/25/2008 | 13:33:47 | 0.064                     |
| 20412      | 09/25/2008 | 13:33:48 | 0.054                     |
| 20413      | 09/25/2008 | 13:33:49 | 0.050                     |
| 20414      | 09/25/2008 | 13:33:50 | 0.053                     |
| 20415      | 09/25/2008 | 13:33:51 | 0.057                     |
| 20416      | 09/25/2008 | 13:33:52 | 0.054                     |
| 20417      | 09/25/2008 | 13:33:53 | 0.061                     |
| 20418      | 09/25/2008 | 13:33:54 | 0.057                     |
| 20419      | 09/25/2008 | 13:33:55 | 0.066                     |
| 20420      | 09/25/2008 | 13:33:56 | 0.055                     |
| 20421      | 09/25/2008 | 13:33:57 | 0.061                     |
| 20422      | 09/25/2008 | 13:33:58 | 0.054                     |
| 20423      | 09/25/2008 | 13:33:59 | 0.064                     |
| 20424      | 09/25/2008 | 13:34:00 | 0.057                     |
| 20425      | 09/25/2008 | 13:34:01 | 0.057                     |
| 20426      | 09/25/2008 | 13:34:02 | 0.058                     |
| 20427      | 09/25/2008 | 13:34:03 | 0.078                     |
| 20428      | 09/25/2008 | 13:34:04 | 0.056                     |
| 20429      | 09/25/2008 | 13:34:05 | 0.052                     |
| 20430      | 09/25/2008 | 13:34:06 | 0.070                     |
| 20431      | 09/25/2008 | 13:34:07 | 0.053                     |
| 20432      | 09/25/2008 | 13:34:08 | 0.060                     |
| 20433      | 09/25/2008 | 13:34:09 | 0.064                     |
| 20434      | 09/25/2008 | 13:34:10 | 0.059                     |
| 20435      | 09/25/2008 | 13:34:11 | 0.053                     |
| 20436      | 09/25/2008 | 13:34:12 | 0.057                     |
| 20437      | 09/25/2008 | 13:34:13 | 0.054                     |
| 20438      | 09/25/2008 | 13:34:14 | 0.061                     |
| 20439      | 09/25/2008 | 13:34:15 | 0.059                     |
| 20440      | 09/25/2008 | 13:34:16 | 0.062                     |
| 20441      | 09/25/2008 | 13:34:17 | 0.061                     |
| 20442      | 09/25/2008 | 13:34:18 | 0.069                     |
| 20443      | 09/25/2008 | 13:34:19 | 0.059                     |
| 20444      | 09/25/2008 | 13:34:20 | 0.054                     |
| 20445      | 09/25/2008 | 13:34:21 | 0.058                     |
| 20446      | 09/25/2008 | 13:34:22 | 0.053                     |
| 20447      | 09/25/2008 | 13:34:23 | 0.056                     |
| 20448      | 09/25/2008 | 13:34:24 | 0.054                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 20449      | 09/25/2008 | 13:34:25 | 0.052                     |
| 20450      | 09/25/2008 | 13:34:26 | 0.060                     |
| 20451      | 09/25/2008 | 13:34:27 | 0.053                     |
| 20452      | 09/25/2008 | 13:34:28 | 0.053                     |
| 20453      | 09/25/2008 | 13:34:29 | 0.058                     |
| 20454      | 09/25/2008 | 13:34:30 | 0.067                     |
| 20455      | 09/25/2008 | 13:34:31 | 0.050                     |
| 20456      | 09/25/2008 | 13:34:32 | 0.060                     |
| 20457      | 09/25/2008 | 13:34:33 | 0.058                     |
| 20458      | 09/25/2008 | 13:34:34 | 0.055                     |
| 20459      | 09/25/2008 | 13:34:35 | 0.061                     |
| 20460      | 09/25/2008 | 13:34:36 | 0.057                     |
| 20461      | 09/25/2008 | 13:34:37 | 0.056                     |
| 20462      | 09/25/2008 | 13:34:38 | 0.051                     |
| 20463      | 09/25/2008 | 13:34:39 | 0.053                     |
| 20464      | 09/25/2008 | 13:34:40 | 0.053                     |
| 20465      | 09/25/2008 | 13:34:41 | 0.053                     |
| 20466      | 09/25/2008 | 13:34:42 | 0.066                     |
| 20467      | 09/25/2008 | 13:34:43 | 0.055                     |
| 20468      | 09/25/2008 | 13:34:44 | 0.052                     |
| 20469      | 09/25/2008 | 13:34:45 | 0.056                     |
| 20470      | 09/25/2008 | 13:34:46 | 0.057                     |
| 20471      | 09/25/2008 | 13:34:47 | 0.058                     |
| 20472      | 09/25/2008 | 13:34:48 | 0.060                     |
| 20473      | 09/25/2008 | 13:34:49 | 0.060                     |
| 20474      | 09/25/2008 | 13:34:50 | 0.069                     |
| 20475      | 09/25/2008 | 13:34:51 | 0.058                     |
| 20476      | 09/25/2008 | 13:34:52 | 0.052                     |
| 20477      | 09/25/2008 | 13:34:53 | 0.060                     |
| 20478      | 09/25/2008 | 13:34:54 | 0.066                     |
| 20479      | 09/25/2008 | 13:34:55 | 0.059                     |
| 20480      | 09/25/2008 | 13:34:56 | 0.058                     |
| 20481      | 09/25/2008 | 13:34:57 | 0.056                     |
| 20482      | 09/25/2008 | 13:34:58 | 0.059                     |
| 20483      | 09/25/2008 | 13:34:59 | 0.061                     |
| 20484      | 09/25/2008 | 13:35:00 | 0.059                     |
| 20485      | 09/25/2008 | 13:35:01 | 0.072                     |
| 20486      | 09/25/2008 | 13:35:02 | 0.061                     |
| 20487      | 09/25/2008 | 13:35:03 | 0.057                     |
| 20488      | 09/25/2008 | 13:35:04 | 0.059                     |
| 20489      | 09/25/2008 | 13:35:05 | 0.053                     |
| 20490      | 09/25/2008 | 13:35:06 | 0.056                     |
| 20491      | 09/25/2008 | 13:35:07 | 0.056                     |
| 20492      | 09/25/2008 | 13:35:08 | 0.079                     |
| 20493      | 09/25/2008 | 13:35:09 | 0.060                     |
| 20494      | 09/25/2008 | 13:35:10 | 0.063                     |
| 20495      | 09/25/2008 | 13:35:11 | 0.077                     |
| 20496      | 09/25/2008 | 13:35:12 | 0.080                     |
| 20497      | 09/25/2008 | 13:35:13 | 0.090                     |
| 20498      | 09/25/2008 | 13:35:14 | 0.071                     |
| 20499      | 09/25/2008 | 13:35:15 | 0.065                     |
| 20500      | 09/25/2008 | 13:35:16 | 0.069                     |
| 20501      | 09/25/2008 | 13:35:17 | 0.081                     |
| 20502      | 09/25/2008 | 13:35:18 | 0.089                     |
| 20503      | 09/25/2008 | 13:35:19 | 0.074                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 20504      | 09/25/2008 | 13:35:20 | 0.079                     |
| 20505      | 09/25/2008 | 13:35:21 | 0.069                     |
| 20506      | 09/25/2008 | 13:35:22 | 0.101                     |
| 20507      | 09/25/2008 | 13:35:23 | 0.078                     |
| 20508      | 09/25/2008 | 13:35:24 | 0.082                     |
| 20509      | 09/25/2008 | 13:35:25 | 0.100                     |
| 20510      | 09/25/2008 | 13:35:26 | 0.093                     |
| 20511      | 09/25/2008 | 13:35:27 | 0.076                     |
| 20512      | 09/25/2008 | 13:35:28 | 0.086                     |
| 20513      | 09/25/2008 | 13:35:29 | 0.091                     |
| 20514      | 09/25/2008 | 13:35:30 | 0.076                     |
| 20515      | 09/25/2008 | 13:35:31 | 0.073                     |
| 20516      | 09/25/2008 | 13:35:32 | 0.069                     |
| 20517      | 09/25/2008 | 13:35:33 | 0.064                     |
| 20518      | 09/25/2008 | 13:35:34 | 0.065                     |
| 20519      | 09/25/2008 | 13:35:35 | 0.063                     |
| 20520      | 09/25/2008 | 13:35:36 | 0.070                     |
| 20521      | 09/25/2008 | 13:35:37 | 0.071                     |
| 20522      | 09/25/2008 | 13:35:38 | 0.060                     |
| 20523      | 09/25/2008 | 13:35:39 | 0.060                     |
| 20524      | 09/25/2008 | 13:35:40 | 0.068                     |
| 20525      | 09/25/2008 | 13:35:41 | 0.082                     |
| 20526      | 09/25/2008 | 13:35:42 | 0.064                     |
| 20527      | 09/25/2008 | 13:35:43 | 0.089                     |
| 20528      | 09/25/2008 | 13:35:44 | 0.082                     |
| 20529      | 09/25/2008 | 13:35:45 | 0.062                     |
| 20530      | 09/25/2008 | 13:35:46 | 0.085                     |
| 20531      | 09/25/2008 | 13:35:47 | 0.073                     |
| 20532      | 09/25/2008 | 13:35:48 | 0.108                     |
| 20533      | 09/25/2008 | 13:35:49 | 0.058                     |
| 20534      | 09/25/2008 | 13:35:50 | 0.075                     |
| 20535      | 09/25/2008 | 13:35:51 | 0.078                     |
| 20536      | 09/25/2008 | 13:35:52 | 0.089                     |
| 20537      | 09/25/2008 | 13:35:53 | 0.083                     |
| 20538      | 09/25/2008 | 13:35:54 | 0.069                     |
| 20539      | 09/25/2008 | 13:35:55 | 0.078                     |
| 20540      | 09/25/2008 | 13:35:56 | 0.146                     |
| 20541      | 09/25/2008 | 13:35:57 | 0.193                     |
| 20542      | 09/25/2008 | 13:35:58 | 0.067                     |
| 20543      | 09/25/2008 | 13:35:59 | 0.063                     |
| 20544      | 09/25/2008 | 13:36:00 | 0.065                     |
| 20545      | 09/25/2008 | 13:36:01 | 0.095                     |
| 20546      | 09/25/2008 | 13:36:02 | 0.078                     |
| 20547      | 09/25/2008 | 13:36:03 | 0.075                     |
| 20548      | 09/25/2008 | 13:36:04 | 0.067                     |
| 20549      | 09/25/2008 | 13:36:05 | 0.085                     |
| 20550      | 09/25/2008 | 13:36:06 | 0.070                     |
| 20551      | 09/25/2008 | 13:36:07 | 0.079                     |
| 20552      | 09/25/2008 | 13:36:08 | 0.088                     |
| 20553      | 09/25/2008 | 13:36:09 | 0.318                     |
| 20554      | 09/25/2008 | 13:36:10 | 0.190                     |
| 20555      | 09/25/2008 | 13:36:11 | 0.135                     |
| 20556      | 09/25/2008 | 13:36:12 | 0.203                     |
| 20557      | 09/25/2008 | 13:36:13 | 0.311                     |
| 20558      | 09/25/2008 | 13:36:14 | 0.187                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 20559      | 09/25/2008 | 13:36:15 | 0.463                     |
| 20560      | 09/25/2008 | 13:36:16 | 0.251                     |
| 20561      | 09/25/2008 | 13:36:17 | 0.159                     |
| 20562      | 09/25/2008 | 13:36:18 | 0.171                     |
| 20563      | 09/25/2008 | 13:36:19 | 0.099                     |
| 20564      | 09/25/2008 | 13:36:20 | 0.099                     |
| 20565      | 09/25/2008 | 13:36:21 | 0.080                     |
| 20566      | 09/25/2008 | 13:36:22 | 0.117                     |
| 20567      | 09/25/2008 | 13:36:23 | 0.080                     |
| 20568      | 09/25/2008 | 13:36:24 | 0.103                     |
| 20569      | 09/25/2008 | 13:36:25 | 0.131                     |
| 20570      | 09/25/2008 | 13:36:26 | 0.153                     |
| 20571      | 09/25/2008 | 13:36:27 | 0.140                     |
| 20572      | 09/25/2008 | 13:36:28 | 0.107                     |
| 20573      | 09/25/2008 | 13:36:29 | 0.119                     |
| 20574      | 09/25/2008 | 13:36:30 | 0.067                     |
| 20575      | 09/25/2008 | 13:36:31 | 0.109                     |
| 20576      | 09/25/2008 | 13:36:32 | 0.078                     |
| 20577      | 09/25/2008 | 13:36:33 | 0.092                     |
| 20578      | 09/25/2008 | 13:36:34 | 0.095                     |
| 20579      | 09/25/2008 | 13:36:35 | 0.074                     |
| 20580      | 09/25/2008 | 13:36:36 | 0.073                     |
| 20581      | 09/25/2008 | 13:36:37 | 0.080                     |
| 20582      | 09/25/2008 | 13:36:38 | 0.062                     |
| 20583      | 09/25/2008 | 13:36:39 | 0.070                     |
| 20584      | 09/25/2008 | 13:36:40 | 0.067                     |
| 20585      | 09/25/2008 | 13:36:41 | 0.109                     |
| 20586      | 09/25/2008 | 13:36:42 | 0.063                     |
| 20587      | 09/25/2008 | 13:36:43 | 0.060                     |
| 20588      | 09/25/2008 | 13:36:44 | 0.067                     |
| 20589      | 09/25/2008 | 13:36:45 | 0.098                     |
| 20590      | 09/25/2008 | 13:36:46 | 0.070                     |
| 20591      | 09/25/2008 | 13:36:47 | 0.074                     |
| 20592      | 09/25/2008 | 13:36:48 | 0.080                     |
| 20593      | 09/25/2008 | 13:36:49 | 0.083                     |
| 20594      | 09/25/2008 | 13:36:50 | 0.075                     |
| 20595      | 09/25/2008 | 13:36:51 | 0.067                     |
| 20596      | 09/25/2008 | 13:36:52 | 0.070                     |
| 20597      | 09/25/2008 | 13:36:53 | 0.070                     |
| 20598      | 09/25/2008 | 13:36:54 | 0.090                     |
| 20599      | 09/25/2008 | 13:36:55 | 0.069                     |
| 20600      | 09/25/2008 | 13:36:56 | 0.073                     |
| 20601      | 09/25/2008 | 13:36:57 | 0.091                     |
| 20602      | 09/25/2008 | 13:36:58 | 0.056                     |
| 20603      | 09/25/2008 | 13:36:59 | 0.083                     |
| 20604      | 09/25/2008 | 13:37:00 | 0.066                     |
| 20605      | 09/25/2008 | 13:37:01 | 0.061                     |
| 20606      | 09/25/2008 | 13:37:02 | 0.061                     |
| 20607      | 09/25/2008 | 13:37:03 | 0.076                     |
| 20608      | 09/25/2008 | 13:37:04 | 0.064                     |
| 20609      | 09/25/2008 | 13:37:05 | 0.063                     |
| 20610      | 09/25/2008 | 13:37:06 | 0.073                     |
| 20611      | 09/25/2008 | 13:37:07 | 0.059                     |
| 20612      | 09/25/2008 | 13:37:08 | 0.055                     |
| 20613      | 09/25/2008 | 13:37:09 | 0.056                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 20614      | 09/25/2008 | 13:37:10 | 0.055                     |
| 20615      | 09/25/2008 | 13:37:11 | 0.067                     |
| 20616      | 09/25/2008 | 13:37:12 | 0.063                     |
| 20617      | 09/25/2008 | 13:37:13 | 0.056                     |
| 20618      | 09/25/2008 | 13:37:14 | 0.054                     |
| 20619      | 09/25/2008 | 13:37:15 | 0.054                     |
| 20620      | 09/25/2008 | 13:37:16 | 0.055                     |
| 20621      | 09/25/2008 | 13:37:17 | 0.072                     |
| 20622      | 09/25/2008 | 13:37:18 | 0.058                     |
| 20623      | 09/25/2008 | 13:37:19 | 0.054                     |
| 20624      | 09/25/2008 | 13:37:20 | 0.059                     |
| 20625      | 09/25/2008 | 13:37:21 | 0.055                     |
| 20626      | 09/25/2008 | 13:37:22 | 0.057                     |
| 20627      | 09/25/2008 | 13:37:23 | 0.057                     |
| 20628      | 09/25/2008 | 13:37:24 | 0.053                     |
| 20629      | 09/25/2008 | 13:37:25 | 0.054                     |
| 20630      | 09/25/2008 | 13:37:26 | 0.071                     |
| 20631      | 09/25/2008 | 13:37:27 | 0.051                     |
| 20632      | 09/25/2008 | 13:37:28 | 0.056                     |
| 20633      | 09/25/2008 | 13:37:29 | 0.066                     |
| 20634      | 09/25/2008 | 13:37:30 | 0.056                     |
| 20635      | 09/25/2008 | 13:37:31 | 0.051                     |
| 20636      | 09/25/2008 | 13:37:32 | 0.065                     |
| 20637      | 09/25/2008 | 13:37:33 | 0.055                     |
| 20638      | 09/25/2008 | 13:37:34 | 0.068                     |
| 20639      | 09/25/2008 | 13:37:35 | 0.066                     |
| 20640      | 09/25/2008 | 13:37:36 | 0.058                     |
| 20641      | 09/25/2008 | 13:37:37 | 0.093                     |
| 20642      | 09/25/2008 | 13:37:38 | 0.062                     |
| 20643      | 09/25/2008 | 13:37:39 | 0.068                     |
| 20644      | 09/25/2008 | 13:37:40 | 0.052                     |
| 20645      | 09/25/2008 | 13:37:41 | 0.058                     |
| 20646      | 09/25/2008 | 13:37:42 | 0.059                     |
| 20647      | 09/25/2008 | 13:37:43 | 0.059                     |
| 20648      | 09/25/2008 | 13:37:44 | 0.054                     |
| 20649      | 09/25/2008 | 13:37:45 | 0.057                     |
| 20650      | 09/25/2008 | 13:37:46 | 0.064                     |
| 20651      | 09/25/2008 | 13:37:47 | 0.059                     |
| 20652      | 09/25/2008 | 13:37:48 | 0.052                     |
| 20653      | 09/25/2008 | 13:37:49 | 0.066                     |
| 20654      | 09/25/2008 | 13:37:50 | 0.052                     |
| 20655      | 09/25/2008 | 13:37:51 | 0.064                     |
| 20656      | 09/25/2008 | 13:37:52 | 0.129                     |
| 20657      | 09/25/2008 | 13:37:53 | 0.061                     |
| 20658      | 09/25/2008 | 13:37:54 | 0.054                     |
| 20659      | 09/25/2008 | 13:37:55 | 0.100                     |
| 20660      | 09/25/2008 | 13:37:56 | 0.077                     |
| 20661      | 09/25/2008 | 13:37:57 | 0.123                     |
| 20662      | 09/25/2008 | 13:37:58 | 0.057                     |
| 20663      | 09/25/2008 | 13:37:59 | 0.061                     |
| 20664      | 09/25/2008 | 13:38:00 | 0.085                     |
| 20665      | 09/25/2008 | 13:38:01 | 0.078                     |
| 20666      | 09/25/2008 | 13:38:02 | 0.058                     |
| 20667      | 09/25/2008 | 13:38:03 | 0.071                     |
| 20668      | 09/25/2008 | 13:38:04 | 0.081                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 20669      | 09/25/2008 | 13:38:05 | 0.052                     |
| 20670      | 09/25/2008 | 13:38:06 | 0.078                     |
| 20671      | 09/25/2008 | 13:38:07 | 0.063                     |
| 20672      | 09/25/2008 | 13:38:08 | 0.073                     |
| 20673      | 09/25/2008 | 13:38:09 | 0.058                     |
| 20674      | 09/25/2008 | 13:38:10 | 0.082                     |
| 20675      | 09/25/2008 | 13:38:11 | 0.409                     |
| 20676      | 09/25/2008 | 13:38:12 | 0.097                     |
| 20677      | 09/25/2008 | 13:38:13 | 0.088                     |
| 20678      | 09/25/2008 | 13:38:14 | 0.104                     |
| 20679      | 09/25/2008 | 13:38:15 | 0.112                     |
| 20680      | 09/25/2008 | 13:38:16 | 0.095                     |
| 20681      | 09/25/2008 | 13:38:17 | 0.088                     |
| 20682      | 09/25/2008 | 13:38:18 | 0.076                     |
| 20683      | 09/25/2008 | 13:38:19 | 0.084                     |
| 20684      | 09/25/2008 | 13:38:20 | 0.064                     |
| 20685      | 09/25/2008 | 13:38:21 | 0.106                     |
| 20686      | 09/25/2008 | 13:38:22 | 0.057                     |
| 20687      | 09/25/2008 | 13:38:23 | 0.057                     |
| 20688      | 09/25/2008 | 13:38:24 | 0.063                     |
| 20689      | 09/25/2008 | 13:38:25 | 0.062                     |
| 20690      | 09/25/2008 | 13:38:26 | 0.065                     |
| 20691      | 09/25/2008 | 13:38:27 | 0.057                     |
| 20692      | 09/25/2008 | 13:38:28 | 0.054                     |
| 20693      | 09/25/2008 | 13:38:29 | 0.079                     |
| 20694      | 09/25/2008 | 13:38:30 | 0.057                     |
| 20695      | 09/25/2008 | 13:38:31 | 0.075                     |
| 20696      | 09/25/2008 | 13:38:32 | 0.068                     |
| 20697      | 09/25/2008 | 13:38:33 | 0.132                     |
| 20698      | 09/25/2008 | 13:38:34 | 0.069                     |
| 20699      | 09/25/2008 | 13:38:35 | 0.069                     |
| 20700      | 09/25/2008 | 13:38:36 | 0.082                     |
| 20701      | 09/25/2008 | 13:38:37 | 0.084                     |
| 20702      | 09/25/2008 | 13:38:38 | 0.066                     |
| 20703      | 09/25/2008 | 13:38:39 | 0.162                     |
| 20704      | 09/25/2008 | 13:38:40 | 0.075                     |
| 20705      | 09/25/2008 | 13:38:41 | 0.075                     |
| 20706      | 09/25/2008 | 13:38:42 | 0.061                     |
| 20707      | 09/25/2008 | 13:38:43 | 0.060                     |
| 20708      | 09/25/2008 | 13:38:44 | 0.093                     |
| 20709      | 09/25/2008 | 13:38:45 | 0.103                     |
| 20710      | 09/25/2008 | 13:38:46 | 0.074                     |
| 20711      | 09/25/2008 | 13:38:47 | 0.104                     |
| 20712      | 09/25/2008 | 13:38:48 | 0.069                     |
| 20713      | 09/25/2008 | 13:38:49 | 0.094                     |
| 20714      | 09/25/2008 | 13:38:50 | 0.077                     |
| 20715      | 09/25/2008 | 13:38:51 | 0.062                     |
| 20716      | 09/25/2008 | 13:38:52 | 0.070                     |
| 20717      | 09/25/2008 | 13:38:53 | 0.066                     |
| 20718      | 09/25/2008 | 13:38:54 | 0.059                     |
| 20719      | 09/25/2008 | 13:38:55 | 0.069                     |
| 20720      | 09/25/2008 | 13:38:56 | 0.060                     |
| 20721      | 09/25/2008 | 13:38:57 | 0.089                     |
| 20722      | 09/25/2008 | 13:38:58 | 0.067                     |
| 20723      | 09/25/2008 | 13:38:59 | 0.067                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 20724      | 09/25/2008 | 13:39:00 | 0.060                     |
| 20725      | 09/25/2008 | 13:39:01 | 0.063                     |
| 20726      | 09/25/2008 | 13:39:02 | 0.060                     |
| 20727      | 09/25/2008 | 13:39:03 | 0.054                     |
| 20728      | 09/25/2008 | 13:39:04 | 0.084                     |
| 20729      | 09/25/2008 | 13:39:05 | 0.058                     |
| 20730      | 09/25/2008 | 13:39:06 | 0.052                     |
| 20731      | 09/25/2008 | 13:39:07 | 0.054                     |
| 20732      | 09/25/2008 | 13:39:08 | 0.053                     |
| 20733      | 09/25/2008 | 13:39:09 | 0.054                     |
| 20734      | 09/25/2008 | 13:39:10 | 0.057                     |
| 20735      | 09/25/2008 | 13:39:11 | 0.058                     |
| 20736      | 09/25/2008 | 13:39:12 | 0.051                     |
| 20737      | 09/25/2008 | 13:39:13 | 0.049                     |
| 20738      | 09/25/2008 | 13:39:14 | 0.066                     |
| 20739      | 09/25/2008 | 13:39:15 | 0.083                     |
| 20740      | 09/25/2008 | 13:39:16 | 0.077                     |
| 20741      | 09/25/2008 | 13:39:17 | 0.062                     |
| 20742      | 09/25/2008 | 13:39:18 | 0.060                     |
| 20743      | 09/25/2008 | 13:39:19 | 0.064                     |
| 20744      | 09/25/2008 | 13:39:20 | 0.082                     |
| 20745      | 09/25/2008 | 13:39:21 | 0.068                     |
| 20746      | 09/25/2008 | 13:39:22 | 0.058                     |
| 20747      | 09/25/2008 | 13:39:23 | 0.059                     |
| 20748      | 09/25/2008 | 13:39:24 | 0.055                     |
| 20749      | 09/25/2008 | 13:39:25 | 0.080                     |
| 20750      | 09/25/2008 | 13:39:26 | 0.078                     |
| 20751      | 09/25/2008 | 13:39:27 | 0.064                     |
| 20752      | 09/25/2008 | 13:39:28 | 0.070                     |
| 20753      | 09/25/2008 | 13:39:29 | 0.083                     |
| 20754      | 09/25/2008 | 13:39:30 | 0.140                     |
| 20755      | 09/25/2008 | 13:39:31 | 0.193                     |
| 20756      | 09/25/2008 | 13:39:32 | 0.210                     |
| 20757      | 09/25/2008 | 13:39:33 | 0.228                     |
| 20758      | 09/25/2008 | 13:39:34 | 0.176                     |
| 20759      | 09/25/2008 | 13:39:35 | 0.203                     |
| 20760      | 09/25/2008 | 13:39:36 | 0.171                     |
| 20761      | 09/25/2008 | 13:39:37 | 0.147                     |
| 20762      | 09/25/2008 | 13:39:38 | 0.118                     |
| 20763      | 09/25/2008 | 13:39:39 | 0.139                     |
| 20764      | 09/25/2008 | 13:39:40 | 0.094                     |
| 20765      | 09/25/2008 | 13:39:41 | 0.079                     |
| 20766      | 09/25/2008 | 13:39:42 | 0.129                     |
| 20767      | 09/25/2008 | 13:39:43 | 0.095                     |
| 20768      | 09/25/2008 | 13:39:44 | 0.099                     |
| 20769      | 09/25/2008 | 13:39:45 | 0.111                     |
| 20770      | 09/25/2008 | 13:39:46 | 0.094                     |
| 20771      | 09/25/2008 | 13:39:47 | 0.078                     |
| 20772      | 09/25/2008 | 13:39:48 | 0.076                     |
| 20773      | 09/25/2008 | 13:39:49 | 0.127                     |
| 20774      | 09/25/2008 | 13:39:50 | 0.100                     |
| 20775      | 09/25/2008 | 13:39:51 | 0.101                     |
| 20776      | 09/25/2008 | 13:39:52 | 0.066                     |
| 20777      | 09/25/2008 | 13:39:53 | 0.075                     |
| 20778      | 09/25/2008 | 13:39:54 | 0.085                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 20779      | 09/25/2008 | 13:39:55 | 0.068                     |
| 20780      | 09/25/2008 | 13:39:56 | 0.071                     |
| 20781      | 09/25/2008 | 13:39:57 | 0.072                     |
| 20782      | 09/25/2008 | 13:39:58 | 0.079                     |
| 20783      | 09/25/2008 | 13:39:59 | 0.074                     |
| 20784      | 09/25/2008 | 13:40:00 | 0.097                     |
| 20785      | 09/25/2008 | 13:40:01 | 0.150                     |
| 20786      | 09/25/2008 | 13:40:02 | 0.111                     |
| 20787      | 09/25/2008 | 13:40:03 | 0.065                     |
| 20788      | 09/25/2008 | 13:40:04 | 0.082                     |
| 20789      | 09/25/2008 | 13:40:05 | 0.063                     |
| 20790      | 09/25/2008 | 13:40:06 | 0.089                     |
| 20791      | 09/25/2008 | 13:40:07 | 0.060                     |
| 20792      | 09/25/2008 | 13:40:08 | 0.070                     |
| 20793      | 09/25/2008 | 13:40:09 | 0.056                     |
| 20794      | 09/25/2008 | 13:40:10 | 0.053                     |
| 20795      | 09/25/2008 | 13:40:11 | 0.060                     |
| 20796      | 09/25/2008 | 13:40:12 | 0.057                     |
| 20797      | 09/25/2008 | 13:40:13 | 0.060                     |
| 20798      | 09/25/2008 | 13:40:14 | 0.055                     |
| 20799      | 09/25/2008 | 13:40:15 | 0.077                     |
| 20800      | 09/25/2008 | 13:40:16 | 0.053                     |
| 20801      | 09/25/2008 | 13:40:17 | 0.077                     |
| 20802      | 09/25/2008 | 13:40:18 | 0.110                     |
| 20803      | 09/25/2008 | 13:40:19 | 0.059                     |
| 20804      | 09/25/2008 | 13:40:20 | 0.119                     |
| 20805      | 09/25/2008 | 13:40:21 | 0.113                     |
| 20806      | 09/25/2008 | 13:40:22 | 0.055                     |
| 20807      | 09/25/2008 | 13:40:23 | 0.055                     |
| 20808      | 09/25/2008 | 13:40:24 | 0.075                     |
| 20809      | 09/25/2008 | 13:40:25 | 0.072                     |
| 20810      | 09/25/2008 | 13:40:26 | 0.068                     |
| 20811      | 09/25/2008 | 13:40:27 | 0.058                     |
| 20812      | 09/25/2008 | 13:40:28 | 0.196                     |
| 20813      | 09/25/2008 | 13:40:29 | 0.089                     |
| 20814      | 09/25/2008 | 13:40:30 | 0.071                     |
| 20815      | 09/25/2008 | 13:40:31 | 0.071                     |
| 20816      | 09/25/2008 | 13:40:32 | 0.072                     |
| 20817      | 09/25/2008 | 13:40:33 | 0.058                     |
| 20818      | 09/25/2008 | 13:40:34 | 0.079                     |
| 20819      | 09/25/2008 | 13:40:35 | 0.061                     |
| 20820      | 09/25/2008 | 13:40:36 | 0.098                     |
| 20821      | 09/25/2008 | 13:40:37 | 0.065                     |
| 20822      | 09/25/2008 | 13:40:38 | 0.085                     |
| 20823      | 09/25/2008 | 13:40:39 | 0.062                     |
| 20824      | 09/25/2008 | 13:40:40 | 0.058                     |
| 20825      | 09/25/2008 | 13:40:41 | 0.055                     |
| 20826      | 09/25/2008 | 13:40:42 | 0.090                     |
| 20827      | 09/25/2008 | 13:40:43 | 0.116                     |
| 20828      | 09/25/2008 | 13:40:44 | 0.068                     |
| 20829      | 09/25/2008 | 13:40:45 | 0.101                     |
| 20830      | 09/25/2008 | 13:40:46 | 0.062                     |
| 20831      | 09/25/2008 | 13:40:47 | 0.114                     |
| 20832      | 09/25/2008 | 13:40:48 | 0.064                     |
| 20833      | 09/25/2008 | 13:40:49 | 0.053                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 20834      | 09/25/2008 | 13:40:50 | 0.069                     |
| 20835      | 09/25/2008 | 13:40:51 | 0.093                     |
| 20836      | 09/25/2008 | 13:40:52 | 0.130                     |
| 20837      | 09/25/2008 | 13:40:53 | 0.055                     |
| 20838      | 09/25/2008 | 13:40:54 | 0.054                     |
| 20839      | 09/25/2008 | 13:40:55 | 0.057                     |
| 20840      | 09/25/2008 | 13:40:56 | 0.061                     |
| 20841      | 09/25/2008 | 13:40:57 | 0.054                     |
| 20842      | 09/25/2008 | 13:40:58 | 0.255                     |
| 20843      | 09/25/2008 | 13:40:59 | 0.055                     |
| 20844      | 09/25/2008 | 13:41:00 | 0.070                     |
| 20845      | 09/25/2008 | 13:41:01 | 0.112                     |
| 20846      | 09/25/2008 | 13:41:02 | 0.073                     |
| 20847      | 09/25/2008 | 13:41:03 | 0.102                     |
| 20848      | 09/25/2008 | 13:41:04 | 0.139                     |
| 20849      | 09/25/2008 | 13:41:05 | 0.059                     |
| 20850      | 09/25/2008 | 13:41:06 | 0.057                     |
| 20851      | 09/25/2008 | 13:41:07 | 0.060                     |
| 20852      | 09/25/2008 | 13:41:08 | 0.068                     |
| 20853      | 09/25/2008 | 13:41:09 | 0.065                     |
| 20854      | 09/25/2008 | 13:41:10 | 0.055                     |
| 20855      | 09/25/2008 | 13:41:11 | 0.059                     |
| 20856      | 09/25/2008 | 13:41:12 | 0.060                     |
| 20857      | 09/25/2008 | 13:41:13 | 0.076                     |
| 20858      | 09/25/2008 | 13:41:14 | 0.074                     |
| 20859      | 09/25/2008 | 13:41:15 | 0.078                     |
| 20860      | 09/25/2008 | 13:41:16 | 0.063                     |
| 20861      | 09/25/2008 | 13:41:17 | 0.065                     |
| 20862      | 09/25/2008 | 13:41:18 | 0.084                     |
| 20863      | 09/25/2008 | 13:41:19 | 0.070                     |
| 20864      | 09/25/2008 | 13:41:20 | 0.085                     |
| 20865      | 09/25/2008 | 13:41:21 | 0.085                     |
| 20866      | 09/25/2008 | 13:41:22 | 0.076                     |
| 20867      | 09/25/2008 | 13:41:23 | 0.062                     |
| 20868      | 09/25/2008 | 13:41:24 | 0.058                     |
| 20869      | 09/25/2008 | 13:41:25 | 0.076                     |
| 20870      | 09/25/2008 | 13:41:26 | 0.057                     |
| 20871      | 09/25/2008 | 13:41:27 | 0.051                     |
| 20872      | 09/25/2008 | 13:41:28 | 0.059                     |
| 20873      | 09/25/2008 | 13:41:29 | 0.061                     |
| 20874      | 09/25/2008 | 13:41:30 | 0.064                     |
| 20875      | 09/25/2008 | 13:41:31 | 0.057                     |
| 20876      | 09/25/2008 | 13:41:32 | 0.060                     |
| 20877      | 09/25/2008 | 13:41:33 | 0.081                     |
| 20878      | 09/25/2008 | 13:41:34 | 0.054                     |
| 20879      | 09/25/2008 | 13:41:35 | 0.058                     |
| 20880      | 09/25/2008 | 13:41:36 | 0.070                     |
| 20881      | 09/25/2008 | 13:41:37 | 0.062                     |
| 20882      | 09/25/2008 | 13:41:38 | 0.078                     |
| 20883      | 09/25/2008 | 13:41:39 | 0.062                     |
| 20884      | 09/25/2008 | 13:41:40 | 0.108                     |
| 20885      | 09/25/2008 | 13:41:41 | 0.148                     |
| 20886      | 09/25/2008 | 13:41:42 | 0.122                     |
| 20887      | 09/25/2008 | 13:41:43 | 0.116                     |
| 20888      | 09/25/2008 | 13:41:44 | 0.135                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 20889      | 09/25/2008 | 13:41:45 | 0.110                     |
| 20890      | 09/25/2008 | 13:41:46 | 0.099                     |
| 20891      | 09/25/2008 | 13:41:47 | 0.122                     |
| 20892      | 09/25/2008 | 13:41:48 | 0.104                     |
| 20893      | 09/25/2008 | 13:41:49 | 0.088                     |
| 20894      | 09/25/2008 | 13:41:50 | 0.095                     |
| 20895      | 09/25/2008 | 13:41:51 | 0.064                     |
| 20896      | 09/25/2008 | 13:41:52 | 0.062                     |
| 20897      | 09/25/2008 | 13:41:53 | 0.070                     |
| 20898      | 09/25/2008 | 13:41:54 | 0.062                     |
| 20899      | 09/25/2008 | 13:41:55 | 0.058                     |
| 20900      | 09/25/2008 | 13:41:56 | 0.064                     |
| 20901      | 09/25/2008 | 13:41:57 | 0.058                     |
| 20902      | 09/25/2008 | 13:41:58 | 0.055                     |
| 20903      | 09/25/2008 | 13:41:59 | 0.080                     |
| 20904      | 09/25/2008 | 13:42:00 | 0.059                     |
| 20905      | 09/25/2008 | 13:42:01 | 0.084                     |
| 20906      | 09/25/2008 | 13:42:02 | 0.067                     |
| 20907      | 09/25/2008 | 13:42:03 | 0.053                     |
| 20908      | 09/25/2008 | 13:42:04 | 0.057                     |
| 20909      | 09/25/2008 | 13:42:05 | 0.061                     |
| 20910      | 09/25/2008 | 13:42:06 | 0.053                     |
| 20911      | 09/25/2008 | 13:42:07 | 0.053                     |
| 20912      | 09/25/2008 | 13:42:08 | 0.066                     |
| 20913      | 09/25/2008 | 13:42:09 | 0.062                     |
| 20914      | 09/25/2008 | 13:42:10 | 0.062                     |
| 20915      | 09/25/2008 | 13:42:11 | 0.057                     |
| 20916      | 09/25/2008 | 13:42:12 | 0.069                     |
| 20917      | 09/25/2008 | 13:42:13 | 0.067                     |
| 20918      | 09/25/2008 | 13:42:14 | 0.055                     |
| 20919      | 09/25/2008 | 13:42:15 | 0.054                     |
| 20920      | 09/25/2008 | 13:42:16 | 0.055                     |
| 20921      | 09/25/2008 | 13:42:17 | 0.060                     |
| 20922      | 09/25/2008 | 13:42:18 | 0.056                     |
| 20923      | 09/25/2008 | 13:42:19 | 0.054                     |
| 20924      | 09/25/2008 | 13:42:20 | 0.055                     |
| 20925      | 09/25/2008 | 13:42:21 | 0.051                     |
| 20926      | 09/25/2008 | 13:42:22 | 0.052                     |
| 20927      | 09/25/2008 | 13:42:23 | 0.062                     |
| 20928      | 09/25/2008 | 13:42:24 | 0.058                     |
| 20929      | 09/25/2008 | 13:42:25 | 0.058                     |
| 20930      | 09/25/2008 | 13:42:26 | 0.073                     |
| 20931      | 09/25/2008 | 13:42:27 | 0.068                     |
| 20932      | 09/25/2008 | 13:42:28 | 0.077                     |
| 20933      | 09/25/2008 | 13:42:29 | 0.059                     |
| 20934      | 09/25/2008 | 13:42:30 | 0.078                     |
| 20935      | 09/25/2008 | 13:42:31 | 0.059                     |
| 20936      | 09/25/2008 | 13:42:32 | 0.065                     |
| 20937      | 09/25/2008 | 13:42:33 | 0.070                     |
| 20938      | 09/25/2008 | 13:42:34 | 0.061                     |
| 20939      | 09/25/2008 | 13:42:35 | 0.059                     |
| 20940      | 09/25/2008 | 13:42:36 | 0.060                     |
| 20941      | 09/25/2008 | 13:42:37 | 0.056                     |
| 20942      | 09/25/2008 | 13:42:38 | 0.067                     |
| 20943      | 09/25/2008 | 13:42:39 | 0.062                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 20944      | 09/25/2008 | 13:42:40 | 0.048                     |
| 20945      | 09/25/2008 | 13:42:41 | 0.054                     |
| 20946      | 09/25/2008 | 13:42:42 | 0.049                     |
| 20947      | 09/25/2008 | 13:42:43 | 0.052                     |
| 20948      | 09/25/2008 | 13:42:44 | 0.060                     |
| 20949      | 09/25/2008 | 13:42:45 | 0.058                     |
| 20950      | 09/25/2008 | 13:42:46 | 0.057                     |
| 20951      | 09/25/2008 | 13:42:47 | 0.057                     |
| 20952      | 09/25/2008 | 13:42:48 | 0.083                     |
| 20953      | 09/25/2008 | 13:42:49 | 0.061                     |
| 20954      | 09/25/2008 | 13:42:50 | 0.078                     |
| 20955      | 09/25/2008 | 13:42:51 | 0.088                     |
| 20956      | 09/25/2008 | 13:42:52 | 0.082                     |
| 20957      | 09/25/2008 | 13:42:53 | 0.070                     |
| 20958      | 09/25/2008 | 13:42:54 | 0.063                     |
| 20959      | 09/25/2008 | 13:42:55 | 0.061                     |
| 20960      | 09/25/2008 | 13:42:56 | 0.061                     |
| 20961      | 09/25/2008 | 13:42:57 | 0.062                     |
| 20962      | 09/25/2008 | 13:42:58 | 0.054                     |
| 20963      | 09/25/2008 | 13:42:59 | 0.055                     |
| 20964      | 09/25/2008 | 13:43:00 | 0.060                     |
| 20965      | 09/25/2008 | 13:43:01 | 0.062                     |
| 20966      | 09/25/2008 | 13:43:02 | 0.064                     |
| 20967      | 09/25/2008 | 13:43:03 | 0.067                     |
| 20968      | 09/25/2008 | 13:43:04 | 0.067                     |
| 20969      | 09/25/2008 | 13:43:05 | 0.054                     |
| 20970      | 09/25/2008 | 13:43:06 | 0.060                     |
| 20971      | 09/25/2008 | 13:43:07 | 0.114                     |
| 20972      | 09/25/2008 | 13:43:08 | 0.122                     |
| 20973      | 09/25/2008 | 13:43:09 | 0.061                     |
| 20974      | 09/25/2008 | 13:43:10 | 0.060                     |
| 20975      | 09/25/2008 | 13:43:11 | 0.056                     |
| 20976      | 09/25/2008 | 13:43:12 | 0.057                     |
| 20977      | 09/25/2008 | 13:43:13 | 0.067                     |
| 20978      | 09/25/2008 | 13:43:14 | 0.076                     |
| 20979      | 09/25/2008 | 13:43:15 | 0.083                     |
| 20980      | 09/25/2008 | 13:43:16 | 0.074                     |
| 20981      | 09/25/2008 | 13:43:17 | 0.072                     |
| 20982      | 09/25/2008 | 13:43:18 | 0.064                     |
| 20983      | 09/25/2008 | 13:43:19 | 0.061                     |
| 20984      | 09/25/2008 | 13:43:20 | 0.064                     |
| 20985      | 09/25/2008 | 13:43:21 | 0.055                     |
| 20986      | 09/25/2008 | 13:43:22 | 0.053                     |
| 20987      | 09/25/2008 | 13:43:23 | 0.062                     |
| 20988      | 09/25/2008 | 13:43:24 | 0.055                     |
| 20989      | 09/25/2008 | 13:43:25 | 0.057                     |
| 20990      | 09/25/2008 | 13:43:26 | 0.057                     |
| 20991      | 09/25/2008 | 13:43:27 | 0.060                     |
| 20992      | 09/25/2008 | 13:43:28 | 0.054                     |
| 20993      | 09/25/2008 | 13:43:29 | 0.051                     |
| 20994      | 09/25/2008 | 13:43:30 | 0.053                     |
| 20995      | 09/25/2008 | 13:43:31 | 0.051                     |
| 20996      | 09/25/2008 | 13:43:32 | 0.055                     |
| 20997      | 09/25/2008 | 13:43:33 | 0.054                     |
| 20998      | 09/25/2008 | 13:43:34 | 0.053                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 20999      | 09/25/2008 | 13:43:35 | 0.058                     |
| 21000      | 09/25/2008 | 13:43:36 | 0.052                     |
| 21001      | 09/25/2008 | 13:43:37 | 0.053                     |
| 21002      | 09/25/2008 | 13:43:38 | 0.048                     |
| 21003      | 09/25/2008 | 13:43:39 | 0.062                     |
| 21004      | 09/25/2008 | 13:43:40 | 0.053                     |
| 21005      | 09/25/2008 | 13:43:41 | 0.070                     |
| 21006      | 09/25/2008 | 13:43:42 | 0.053                     |
| 21007      | 09/25/2008 | 13:43:43 | 0.058                     |
| 21008      | 09/25/2008 | 13:43:44 | 0.059                     |
| 21009      | 09/25/2008 | 13:43:45 | 0.133                     |
| 21010      | 09/25/2008 | 13:43:46 | 0.098                     |
| 21011      | 09/25/2008 | 13:43:47 | 0.063                     |
| 21012      | 09/25/2008 | 13:43:48 | 0.108                     |
| 21013      | 09/25/2008 | 13:43:49 | 0.093                     |
| 21014      | 09/25/2008 | 13:43:50 | 0.090                     |
| 21015      | 09/25/2008 | 13:43:51 | 0.065                     |
| 21016      | 09/25/2008 | 13:43:52 | 0.060                     |
| 21017      | 09/25/2008 | 13:43:53 | 0.072                     |
| 21018      | 09/25/2008 | 13:43:54 | 0.065                     |
| 21019      | 09/25/2008 | 13:43:55 | 0.055                     |
| 21020      | 09/25/2008 | 13:43:56 | 0.097                     |
| 21021      | 09/25/2008 | 13:43:57 | 0.171                     |
| 21022      | 09/25/2008 | 13:43:58 | 0.065                     |
| 21023      | 09/25/2008 | 13:43:59 | 0.065                     |
| 21024      | 09/25/2008 | 13:44:00 | 0.064                     |
| 21025      | 09/25/2008 | 13:44:01 | 0.066                     |
| 21026      | 09/25/2008 | 13:44:02 | 0.053                     |
| 21027      | 09/25/2008 | 13:44:03 | 0.078                     |
| 21028      | 09/25/2008 | 13:44:04 | 0.053                     |
| 21029      | 09/25/2008 | 13:44:05 | 0.063                     |
| 21030      | 09/25/2008 | 13:44:06 | 0.053                     |
| 21031      | 09/25/2008 | 13:44:07 | 0.066                     |
| 21032      | 09/25/2008 | 13:44:08 | 0.059                     |
| 21033      | 09/25/2008 | 13:44:09 | 0.058                     |
| 21034      | 09/25/2008 | 13:44:10 | 0.061                     |
| 21035      | 09/25/2008 | 13:44:11 | 0.060                     |
| 21036      | 09/25/2008 | 13:44:12 | 0.151                     |
| 21037      | 09/25/2008 | 13:44:13 | 0.072                     |
| 21038      | 09/25/2008 | 13:44:14 | 0.069                     |
| 21039      | 09/25/2008 | 13:44:15 | 0.073                     |
| 21040      | 09/25/2008 | 13:44:16 | 0.065                     |
| 21041      | 09/25/2008 | 13:44:17 | 0.055                     |
| 21042      | 09/25/2008 | 13:44:18 | 0.059                     |
| 21043      | 09/25/2008 | 13:44:19 | 0.063                     |
| 21044      | 09/25/2008 | 13:44:20 | 0.062                     |
| 21045      | 09/25/2008 | 13:44:21 | 0.058                     |
| 21046      | 09/25/2008 | 13:44:22 | 0.059                     |
| 21047      | 09/25/2008 | 13:44:23 | 0.055                     |
| 21048      | 09/25/2008 | 13:44:24 | 0.062                     |
| 21049      | 09/25/2008 | 13:44:25 | 0.074                     |
| 21050      | 09/25/2008 | 13:44:26 | 0.063                     |
| 21051      | 09/25/2008 | 13:44:27 | 0.055                     |
| 21052      | 09/25/2008 | 13:44:28 | 0.058                     |
| 21053      | 09/25/2008 | 13:44:29 | 0.075                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 21054      | 09/25/2008 | 13:44:30 | 0.072                     |
| 21055      | 09/25/2008 | 13:44:31 | 0.066                     |
| 21056      | 09/25/2008 | 13:44:32 | 0.067                     |
| 21057      | 09/25/2008 | 13:44:33 | 0.086                     |
| 21058      | 09/25/2008 | 13:44:34 | 0.058                     |
| 21059      | 09/25/2008 | 13:44:35 | 0.057                     |
| 21060      | 09/25/2008 | 13:44:36 | 0.083                     |
| 21061      | 09/25/2008 | 13:44:37 | 0.058                     |
| 21062      | 09/25/2008 | 13:44:38 | 0.054                     |
| 21063      | 09/25/2008 | 13:44:39 | 0.055                     |
| 21064      | 09/25/2008 | 13:44:40 | 0.062                     |
| 21065      | 09/25/2008 | 13:44:41 | 0.056                     |
| 21066      | 09/25/2008 | 13:44:42 | 0.052                     |
| 21067      | 09/25/2008 | 13:44:43 | 0.057                     |
| 21068      | 09/25/2008 | 13:44:44 | 0.062                     |
| 21069      | 09/25/2008 | 13:44:45 | 0.049                     |
| 21070      | 09/25/2008 | 13:44:46 | 0.054                     |
| 21071      | 09/25/2008 | 13:44:47 | 0.059                     |
| 21072      | 09/25/2008 | 13:44:48 | 0.052                     |
| 21073      | 09/25/2008 | 13:44:49 | 0.064                     |
| 21074      | 09/25/2008 | 13:44:50 | 0.057                     |
| 21075      | 09/25/2008 | 13:44:51 | 0.066                     |
| 21076      | 09/25/2008 | 13:44:52 | 0.073                     |
| 21077      | 09/25/2008 | 13:44:53 | 0.052                     |
| 21078      | 09/25/2008 | 13:44:54 | 0.053                     |
| 21079      | 09/25/2008 | 13:44:55 | 0.087                     |
| 21080      | 09/25/2008 | 13:44:56 | 0.076                     |
| 21081      | 09/25/2008 | 13:44:57 | 0.124                     |
| 21082      | 09/25/2008 | 13:44:58 | 0.119                     |
| 21083      | 09/25/2008 | 13:44:59 | 0.082                     |
| 21084      | 09/25/2008 | 13:45:00 | 0.070                     |
| 21085      | 09/25/2008 | 13:45:01 | 0.062                     |
| 21086      | 09/25/2008 | 13:45:02 | 0.070                     |
| 21087      | 09/25/2008 | 13:45:03 | 0.068                     |
| 21088      | 09/25/2008 | 13:45:04 | 0.062                     |
| 21089      | 09/25/2008 | 13:45:05 | 0.077                     |
| 21090      | 09/25/2008 | 13:45:06 | 0.078                     |
| 21091      | 09/25/2008 | 13:45:07 | 0.073                     |
| 21092      | 09/25/2008 | 13:45:08 | 0.066                     |
| 21093      | 09/25/2008 | 13:45:09 | 0.069                     |
| 21094      | 09/25/2008 | 13:45:10 | 0.072                     |
| 21095      | 09/25/2008 | 13:45:11 | 0.079                     |
| 21096      | 09/25/2008 | 13:45:12 | 0.069                     |
| 21097      | 09/25/2008 | 13:45:13 | 0.079                     |
| 21098      | 09/25/2008 | 13:45:14 | 0.098                     |
| 21099      | 09/25/2008 | 13:45:15 | 0.083                     |
| 21100      | 09/25/2008 | 13:45:16 | 0.068                     |
| 21101      | 09/25/2008 | 13:45:17 | 0.065                     |
| 21102      | 09/25/2008 | 13:45:18 | 0.055                     |
| 21103      | 09/25/2008 | 13:45:19 | 0.056                     |
| 21104      | 09/25/2008 | 13:45:20 | 0.064                     |
| 21105      | 09/25/2008 | 13:45:21 | 0.056                     |
| 21106      | 09/25/2008 | 13:45:22 | 0.060                     |
| 21107      | 09/25/2008 | 13:45:23 | 0.056                     |
| 21108      | 09/25/2008 | 13:45:24 | 0.055                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 21109      | 09/25/2008 | 13:45:25 | 0.056                     |
| 21110      | 09/25/2008 | 13:45:26 | 0.065                     |
| 21111      | 09/25/2008 | 13:45:27 | 0.050                     |
| 21112      | 09/25/2008 | 13:45:28 | 0.057                     |
| 21113      | 09/25/2008 | 13:45:29 | 0.056                     |
| 21114      | 09/25/2008 | 13:45:30 | 0.053                     |
| 21115      | 09/25/2008 | 13:45:31 | 0.063                     |
| 21116      | 09/25/2008 | 13:45:32 | 0.051                     |
| 21117      | 09/25/2008 | 13:45:33 | 0.063                     |
| 21118      | 09/25/2008 | 13:45:34 | 0.055                     |
| 21119      | 09/25/2008 | 13:45:35 | 0.054                     |
| 21120      | 09/25/2008 | 13:45:36 | 0.054                     |
| 21121      | 09/25/2008 | 13:45:37 | 0.063                     |
| 21122      | 09/25/2008 | 13:45:38 | 0.055                     |
| 21123      | 09/25/2008 | 13:45:39 | 0.061                     |
| 21124      | 09/25/2008 | 13:45:40 | 0.062                     |
| 21125      | 09/25/2008 | 13:45:41 | 0.053                     |
| 21126      | 09/25/2008 | 13:45:42 | 0.060                     |
| 21127      | 09/25/2008 | 13:45:43 | 0.058                     |
| 21128      | 09/25/2008 | 13:45:44 | 0.094                     |
| 21129      | 09/25/2008 | 13:45:45 | 0.052                     |
| 21130      | 09/25/2008 | 13:45:46 | 0.070                     |
| 21131      | 09/25/2008 | 13:45:47 | 0.064                     |
| 21132      | 09/25/2008 | 13:45:48 | 0.050                     |
| 21133      | 09/25/2008 | 13:45:49 | 0.058                     |
| 21134      | 09/25/2008 | 13:45:50 | 0.061                     |
| 21135      | 09/25/2008 | 13:45:51 | 0.053                     |
| 21136      | 09/25/2008 | 13:45:52 | 0.052                     |
| 21137      | 09/25/2008 | 13:45:53 | 0.056                     |
| 21138      | 09/25/2008 | 13:45:54 | 0.051                     |
| 21139      | 09/25/2008 | 13:45:55 | 0.067                     |
| 21140      | 09/25/2008 | 13:45:56 | 0.057                     |
| 21141      | 09/25/2008 | 13:45:57 | 0.057                     |
| 21142      | 09/25/2008 | 13:45:58 | 0.057                     |
| 21143      | 09/25/2008 | 13:45:59 | 0.058                     |
| 21144      | 09/25/2008 | 13:46:00 | 0.056                     |
| 21145      | 09/25/2008 | 13:46:01 | 0.058                     |
| 21146      | 09/25/2008 | 13:46:02 | 0.069                     |
| 21147      | 09/25/2008 | 13:46:03 | 0.059                     |
| 21148      | 09/25/2008 | 13:46:04 | 0.057                     |
| 21149      | 09/25/2008 | 13:46:05 | 0.057                     |
| 21150      | 09/25/2008 | 13:46:06 | 0.051                     |
| 21151      | 09/25/2008 | 13:46:07 | 0.057                     |
| 21152      | 09/25/2008 | 13:46:08 | 0.052                     |
| 21153      | 09/25/2008 | 13:46:09 | 0.053                     |
| 21154      | 09/25/2008 | 13:46:10 | 0.057                     |
| 21155      | 09/25/2008 | 13:46:11 | 0.060                     |
| 21156      | 09/25/2008 | 13:46:12 | 0.064                     |
| 21157      | 09/25/2008 | 13:46:13 | 0.060                     |
| 21158      | 09/25/2008 | 13:46:14 | 0.060                     |
| 21159      | 09/25/2008 | 13:46:15 | 0.061                     |
| 21160      | 09/25/2008 | 13:46:16 | 0.057                     |
| 21161      | 09/25/2008 | 13:46:17 | 0.067                     |
| 21162      | 09/25/2008 | 13:46:18 | 0.075                     |
| 21163      | 09/25/2008 | 13:46:19 | 0.067                     |

# Test 001

| Instrument |           | Data Properties  |            |
|------------|-----------|------------------|------------|
| Model      | Dust Trak | Start Date       | 09/25/2008 |
| Meter S/N  | 85202283  | Start Time       | 07:54:28   |
|            |           | Stop Date        | 09/25/2008 |
|            |           | Stop Time        | 08:48:28   |
|            |           | Total Time       | 0:00:54:00 |
|            |           | Logging Interval | 60 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 09/25/2008 | 07:55:28 | 0.037                     |
| 2          | 09/25/2008 | 07:56:28 | 0.038                     |
| 3          | 09/25/2008 | 07:57:28 | 0.036                     |
| 4          | 09/25/2008 | 07:58:28 | 0.037                     |
| 5          | 09/25/2008 | 07:59:28 | 0.037                     |
| 6          | 09/25/2008 | 08:00:28 | 0.035                     |
| 7          | 09/25/2008 | 08:01:28 | 0.036                     |
| 8          | 09/25/2008 | 08:02:28 | 0.035                     |
| 9          | 09/25/2008 | 08:03:28 | 0.035                     |
| 10         | 09/25/2008 | 08:04:28 | 0.035                     |
| 11         | 09/25/2008 | 08:05:28 | 0.035                     |
| 12         | 09/25/2008 | 08:06:28 | 0.035                     |
| 13         | 09/25/2008 | 08:07:28 | 0.034                     |
| 14         | 09/25/2008 | 08:08:28 | 0.034                     |
| 15         | 09/25/2008 | 08:09:28 | 0.035                     |
| 16         | 09/25/2008 | 08:10:28 | 0.033                     |
| 17         | 09/25/2008 | 08:11:28 | 0.035                     |
| 18         | 09/25/2008 | 08:12:28 | 0.035                     |
| 19         | 09/25/2008 | 08:13:28 | 0.035                     |
| 20         | 09/25/2008 | 08:14:28 | 0.034                     |
| 21         | 09/25/2008 | 08:15:28 | 0.034                     |
| 22         | 09/25/2008 | 08:16:28 | 0.036                     |
| 23         | 09/25/2008 | 08:17:28 | 0.034                     |
| 24         | 09/25/2008 | 08:18:28 | 0.034                     |
| 25         | 09/25/2008 | 08:19:28 | 0.034                     |
| 26         | 09/25/2008 | 08:20:28 | 0.034                     |
| 27         | 09/25/2008 | 08:21:28 | 0.037                     |
| 28         | 09/25/2008 | 08:22:28 | 0.034                     |
| 29         | 09/25/2008 | 08:23:28 | 0.035                     |
| 30         | 09/25/2008 | 08:24:28 | 0.034                     |
| 31         | 09/25/2008 | 08:25:28 | 0.034                     |
| 32         | 09/25/2008 | 08:26:28 | 0.034                     |
| 33         | 09/25/2008 | 08:27:28 | 0.034                     |
| 34         | 09/25/2008 | 08:28:28 | 0.034                     |
| 35         | 09/25/2008 | 08:29:28 | 0.034                     |
| 36         | 09/25/2008 | 08:30:28 | 0.034                     |
| 37         | 09/25/2008 | 08:31:28 | 0.034                     |
| 38         | 09/25/2008 | 08:32:28 | 0.036                     |
| 39         | 09/25/2008 | 08:33:28 | 0.033                     |
| 40         | 09/25/2008 | 08:34:28 | 0.034                     |
| 41         | 09/25/2008 | 08:35:28 | 0.035                     |
| 42         | 09/25/2008 | 08:36:28 | 0.034                     |
| 43         | 09/25/2008 | 08:37:28 | 0.034                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 09/25/2008 | 08:38:28 | 0.035                     |
| 45         | 09/25/2008 | 08:39:28 | 0.046                     |
| 46         | 09/25/2008 | 08:40:28 | 0.052                     |
| 47         | 09/25/2008 | 08:41:28 | 0.046                     |
| 48         | 09/25/2008 | 08:42:28 | 0.038                     |
| 49         | 09/25/2008 | 08:43:28 | 0.036                     |
| 50         | 09/25/2008 | 08:44:28 | 0.034                     |
| 51         | 09/25/2008 | 08:45:28 | 0.033                     |
| 52         | 09/25/2008 | 08:46:28 | 0.033                     |
| 53         | 09/25/2008 | 08:47:28 | 0.068                     |
| 54         | 09/25/2008 | 08:48:28 | 0.038                     |

# Test 002

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 09/25/2008  |
| Meter S/N  | 85202283  | Start Time       | 08:49:43    |
|            |           | Stop Date        | 09/25/2008  |
|            |           | Stop Time        | 14:09:43    |
|            |           | Total Time       | 0:05:20:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 09/25/2008 | 08:54:43 | 0.035                     |
| 2          | 09/25/2008 | 08:59:43 | 0.035                     |
| 3          | 09/25/2008 | 09:04:43 | 0.035                     |
| 4          | 09/25/2008 | 09:09:43 | 0.034                     |
| 5          | 09/25/2008 | 09:14:43 | 0.032                     |
| 6          | 09/25/2008 | 09:19:43 | 0.032                     |
| 7          | 09/25/2008 | 09:24:43 | 0.031                     |
| 8          | 09/25/2008 | 09:29:43 | 0.032                     |
| 9          | 09/25/2008 | 09:34:43 | 0.032                     |
| 10         | 09/25/2008 | 09:39:43 | 0.031                     |
| 11         | 09/25/2008 | 09:44:43 | 0.029                     |
| 12         | 09/25/2008 | 09:49:43 | 0.029                     |
| 13         | 09/25/2008 | 09:54:43 | 0.029                     |
| 14         | 09/25/2008 | 09:59:43 | 0.029                     |
| 15         | 09/25/2008 | 10:04:43 | 0.028                     |
| 16         | 09/25/2008 | 10:09:43 | 0.028                     |
| 17         | 09/25/2008 | 10:14:43 | 0.027                     |
| 18         | 09/25/2008 | 10:19:43 | 0.029                     |
| 19         | 09/25/2008 | 10:24:43 | 0.026                     |
| 20         | 09/25/2008 | 10:29:43 | 0.025                     |
| 21         | 09/25/2008 | 10:34:43 | 0.025                     |
| 22         | 09/25/2008 | 10:39:43 | 0.024                     |
| 23         | 09/25/2008 | 10:44:43 | 0.025                     |
| 24         | 09/25/2008 | 10:49:43 | 0.024                     |
| 25         | 09/25/2008 | 10:54:43 | 0.026                     |
| 26         | 09/25/2008 | 10:59:43 | 0.024                     |
| 27         | 09/25/2008 | 11:04:43 | 0.024                     |
| 28         | 09/25/2008 | 11:09:43 | 0.023                     |
| 29         | 09/25/2008 | 11:14:43 | 0.024                     |
| 30         | 09/25/2008 | 11:19:43 | 0.024                     |
| 31         | 09/25/2008 | 11:24:43 | 0.024                     |
| 32         | 09/25/2008 | 11:29:43 | 0.024                     |
| 33         | 09/25/2008 | 11:34:43 | 0.023                     |
| 34         | 09/25/2008 | 11:39:43 | 0.024                     |
| 35         | 09/25/2008 | 11:44:43 | 0.024                     |
| 36         | 09/25/2008 | 11:49:43 | 0.024                     |
| 37         | 09/25/2008 | 11:54:43 | 0.025                     |
| 38         | 09/25/2008 | 11:59:43 | 0.024                     |
| 39         | 09/25/2008 | 12:04:43 | 0.024                     |
| 40         | 09/25/2008 | 12:09:43 | 0.024                     |
| 41         | 09/25/2008 | 12:14:43 | 0.023                     |
| 42         | 09/25/2008 | 12:19:43 | 0.023                     |
| 43         | 09/25/2008 | 12:24:43 | 0.023                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 09/25/2008 | 12:29:43 | 0.023                     |
| 45         | 09/25/2008 | 12:34:43 | 0.022                     |
| 46         | 09/25/2008 | 12:39:43 | 0.023                     |
| 47         | 09/25/2008 | 12:44:43 | 0.023                     |
| 48         | 09/25/2008 | 12:49:43 | 0.023                     |
| 49         | 09/25/2008 | 12:54:43 | 0.023                     |
| 50         | 09/25/2008 | 12:59:43 | 0.023                     |
| 51         | 09/25/2008 | 13:04:43 | 0.024                     |
| 52         | 09/25/2008 | 13:09:43 | 0.024                     |
| 53         | 09/25/2008 | 13:14:43 | 0.025                     |
| 54         | 09/25/2008 | 13:19:43 | 0.024                     |
| 55         | 09/25/2008 | 13:24:43 | 0.024                     |
| 56         | 09/25/2008 | 13:29:43 | 0.023                     |
| 57         | 09/25/2008 | 13:34:43 | 0.025                     |
| 58         | 09/25/2008 | 13:39:43 | 0.024                     |
| 59         | 09/25/2008 | 13:44:43 | 0.023                     |
| 60         | 09/25/2008 | 13:49:43 | 0.023                     |
| 61         | 09/25/2008 | 13:54:43 | 0.022                     |
| 62         | 09/25/2008 | 13:59:43 | 0.022                     |
| 63         | 09/25/2008 | 14:04:43 | 0.021                     |
| 64         | 09/25/2008 | 14:09:43 | 0.022                     |

# Test 003

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 09/25/2008  |
| Meter S/N  | 85202283  | Start Time       | 14:11:12    |
|            |           | Stop Date        | 09/25/2008  |
|            |           | Stop Time        | 14:46:12    |
|            |           | Total Time       | 0:00:35:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 09/25/2008 | 14:16:12 | 0.021                     |
| 2          | 09/25/2008 | 14:21:12 | 0.022                     |
| 3          | 09/25/2008 | 14:26:12 | 0.021                     |
| 4          | 09/25/2008 | 14:31:12 | 0.021                     |
| 5          | 09/25/2008 | 14:36:12 | 0.022                     |
| 6          | 09/25/2008 | 14:41:12 | 0.022                     |
| 7          | 09/25/2008 | 14:46:12 | 0.021                     |

# Test 002

| Instrument |           | Data Properties  |            |
|------------|-----------|------------------|------------|
| Model      | Dust Trak | Start Date       | 09/26/2008 |
| Meter S/N  | 16449     | Start Time       | 08:39:09   |
|            |           | Stop Date        | 09/26/2008 |
|            |           | Stop Time        | 15:28:09   |
|            |           | Total Time       | 0:06:49:00 |
|            |           | Logging Interval | 60 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 09/26/2008 | 08:40:09 | 0.049                     |
| 2          | 09/26/2008 | 08:41:09 | 0.055                     |
| 3          | 09/26/2008 | 08:42:09 | 0.053                     |
| 4          | 09/26/2008 | 08:43:09 | 0.057                     |
| 5          | 09/26/2008 | 08:44:09 | 0.054                     |
| 6          | 09/26/2008 | 08:45:09 | 0.060                     |
| 7          | 09/26/2008 | 08:46:09 | 0.052                     |
| 8          | 09/26/2008 | 08:47:09 | 0.066                     |
| 9          | 09/26/2008 | 08:48:09 | 0.209                     |
| 10         | 09/26/2008 | 08:49:09 | 0.054                     |
| 11         | 09/26/2008 | 08:50:09 | 0.043                     |
| 12         | 09/26/2008 | 08:51:09 | 0.044                     |
| 13         | 09/26/2008 | 08:52:09 | 0.101                     |
| 14         | 09/26/2008 | 08:53:09 | 0.250                     |
| 15         | 09/26/2008 | 08:54:09 | 0.214                     |
| 16         | 09/26/2008 | 08:55:09 | 0.229                     |
| 17         | 09/26/2008 | 08:56:09 | 0.106                     |
| 18         | 09/26/2008 | 08:57:09 | 0.109                     |
| 19         | 09/26/2008 | 08:58:09 | 0.077                     |
| 20         | 09/26/2008 | 08:59:09 | 0.053                     |
| 21         | 09/26/2008 | 09:00:09 | 0.128                     |
| 22         | 09/26/2008 | 09:01:09 | 0.061                     |
| 23         | 09/26/2008 | 09:02:09 | 0.040                     |
| 24         | 09/26/2008 | 09:03:09 | 0.044                     |
| 25         | 09/26/2008 | 09:04:09 | 0.038                     |
| 26         | 09/26/2008 | 09:05:09 | 0.299                     |
| 27         | 09/26/2008 | 09:06:09 | 0.073                     |
| 28         | 09/26/2008 | 09:07:09 | 0.047                     |
| 29         | 09/26/2008 | 09:08:09 | 0.067                     |
| 30         | 09/26/2008 | 09:09:09 | 0.139                     |
| 31         | 09/26/2008 | 09:10:09 | 0.048                     |
| 32         | 09/26/2008 | 09:11:09 | 0.104                     |
| 33         | 09/26/2008 | 09:12:09 | 0.391                     |
| 34         | 09/26/2008 | 09:13:09 | 0.189                     |
| 35         | 09/26/2008 | 09:14:09 | 0.052                     |
| 36         | 09/26/2008 | 09:15:09 | 0.171                     |
| 37         | 09/26/2008 | 09:16:09 | 0.223                     |
| 38         | 09/26/2008 | 09:17:09 | 0.054                     |
| 39         | 09/26/2008 | 09:18:09 | 0.042                     |
| 40         | 09/26/2008 | 09:19:09 | 0.048                     |
| 41         | 09/26/2008 | 09:20:09 | 0.068                     |
| 42         | 09/26/2008 | 09:21:09 | 0.052                     |
| 43         | 09/26/2008 | 09:22:09 | 0.036                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 09/26/2008 | 09:23:09 | 0.034                     |
| 45         | 09/26/2008 | 09:24:09 | 0.038                     |
| 46         | 09/26/2008 | 09:25:09 | 0.054                     |
| 47         | 09/26/2008 | 09:26:09 | 0.042                     |
| 48         | 09/26/2008 | 09:27:09 | 0.046                     |
| 49         | 09/26/2008 | 09:28:09 | 0.042                     |
| 50         | 09/26/2008 | 09:29:09 | 0.058                     |
| 51         | 09/26/2008 | 09:30:09 | 0.041                     |
| 52         | 09/26/2008 | 09:31:09 | 0.037                     |
| 53         | 09/26/2008 | 09:32:09 | 0.050                     |
| 54         | 09/26/2008 | 09:33:09 | 0.038                     |
| 55         | 09/26/2008 | 09:34:09 | 0.041                     |
| 56         | 09/26/2008 | 09:35:09 | 0.058                     |
| 57         | 09/26/2008 | 09:36:09 | 0.043                     |
| 58         | 09/26/2008 | 09:37:09 | 0.039                     |
| 59         | 09/26/2008 | 09:38:09 | 0.040                     |
| 60         | 09/26/2008 | 09:39:09 | 0.058                     |
| 61         | 09/26/2008 | 09:40:09 | 0.046                     |
| 62         | 09/26/2008 | 09:41:09 | 0.047                     |
| 63         | 09/26/2008 | 09:42:09 | 0.038                     |
| 64         | 09/26/2008 | 09:43:09 | 0.040                     |
| 65         | 09/26/2008 | 09:44:09 | 0.049                     |
| 66         | 09/26/2008 | 09:45:09 | 0.043                     |
| 67         | 09/26/2008 | 09:46:09 | 0.038                     |
| 68         | 09/26/2008 | 09:47:09 | 0.056                     |
| 69         | 09/26/2008 | 09:48:09 | 0.045                     |
| 70         | 09/26/2008 | 09:49:09 | 0.047                     |
| 71         | 09/26/2008 | 09:50:09 | 0.036                     |
| 72         | 09/26/2008 | 09:51:09 | 0.045                     |
| 73         | 09/26/2008 | 09:52:09 | 0.052                     |
| 74         | 09/26/2008 | 09:53:09 | 0.042                     |
| 75         | 09/26/2008 | 09:54:09 | 0.031                     |
| 76         | 09/26/2008 | 09:55:09 | 0.033                     |
| 77         | 09/26/2008 | 09:56:09 | 0.038                     |
| 78         | 09/26/2008 | 09:57:09 | 0.040                     |
| 79         | 09/26/2008 | 09:58:09 | 0.035                     |
| 80         | 09/26/2008 | 09:59:09 | 0.034                     |
| 81         | 09/26/2008 | 10:00:09 | 0.040                     |
| 82         | 09/26/2008 | 10:01:09 | 0.054                     |
| 83         | 09/26/2008 | 10:02:09 | 0.033                     |
| 84         | 09/26/2008 | 10:03:09 | 0.040                     |
| 85         | 09/26/2008 | 10:04:09 | 0.048                     |
| 86         | 09/26/2008 | 10:05:09 | 0.045                     |
| 87         | 09/26/2008 | 10:06:09 | 0.036                     |
| 88         | 09/26/2008 | 10:07:09 | 0.034                     |
| 89         | 09/26/2008 | 10:08:09 | 0.035                     |
| 90         | 09/26/2008 | 10:09:09 | 0.040                     |
| 91         | 09/26/2008 | 10:10:09 | 0.034                     |
| 92         | 09/26/2008 | 10:11:09 | 0.035                     |
| 93         | 09/26/2008 | 10:12:09 | 0.038                     |
| 94         | 09/26/2008 | 10:13:09 | 0.039                     |
| 95         | 09/26/2008 | 10:14:09 | 0.037                     |
| 96         | 09/26/2008 | 10:15:09 | 0.036                     |
| 97         | 09/26/2008 | 10:16:09 | 0.039                     |
| 98         | 09/26/2008 | 10:17:09 | 0.038                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 99         | 09/26/2008 | 10:18:09 | 0.033                     |
| 100        | 09/26/2008 | 10:19:09 | 0.035                     |
| 101        | 09/26/2008 | 10:20:09 | 0.032                     |
| 102        | 09/26/2008 | 10:21:09 | 0.032                     |
| 103        | 09/26/2008 | 10:22:09 | 0.041                     |
| 104        | 09/26/2008 | 10:23:09 | 0.035                     |
| 105        | 09/26/2008 | 10:24:09 | 0.032                     |
| 106        | 09/26/2008 | 10:25:09 | 0.030                     |
| 107        | 09/26/2008 | 10:26:09 | 0.032                     |
| 108        | 09/26/2008 | 10:27:09 | 0.031                     |
| 109        | 09/26/2008 | 10:28:09 | 0.085                     |
| 110        | 09/26/2008 | 10:29:09 | 0.038                     |
| 111        | 09/26/2008 | 10:30:09 | 0.035                     |
| 112        | 09/26/2008 | 10:31:09 | 0.035                     |
| 113        | 09/26/2008 | 10:32:09 | 0.035                     |
| 114        | 09/26/2008 | 10:33:09 | 0.037                     |
| 115        | 09/26/2008 | 10:34:09 | 0.031                     |
| 116        | 09/26/2008 | 10:35:09 | 0.034                     |
| 117        | 09/26/2008 | 10:36:09 | 0.031                     |
| 118        | 09/26/2008 | 10:37:09 | 0.037                     |
| 119        | 09/26/2008 | 10:38:09 | 0.032                     |
| 120        | 09/26/2008 | 10:39:09 | 0.033                     |
| 121        | 09/26/2008 | 10:40:09 | 0.037                     |
| 122        | 09/26/2008 | 10:41:09 | 0.026                     |
| 123        | 09/26/2008 | 10:42:09 | 0.032                     |
| 124        | 09/26/2008 | 10:43:09 | 0.027                     |
| 125        | 09/26/2008 | 10:44:09 | 0.035                     |
| 126        | 09/26/2008 | 10:45:09 | 0.032                     |
| 127        | 09/26/2008 | 10:46:09 | 0.026                     |
| 128        | 09/26/2008 | 10:47:09 | 0.028                     |
| 129        | 09/26/2008 | 10:48:09 | 0.026                     |
| 130        | 09/26/2008 | 10:49:09 | 0.037                     |
| 131        | 09/26/2008 | 10:50:09 | 0.041                     |
| 132        | 09/26/2008 | 10:51:09 | 0.038                     |
| 133        | 09/26/2008 | 10:52:09 | 0.030                     |
| 134        | 09/26/2008 | 10:53:09 | 0.027                     |
| 135        | 09/26/2008 | 10:54:09 | 0.025                     |
| 136        | 09/26/2008 | 10:55:09 | 0.024                     |
| 137        | 09/26/2008 | 10:56:09 | 0.024                     |
| 138        | 09/26/2008 | 10:57:09 | 0.026                     |
| 139        | 09/26/2008 | 10:58:09 | 0.027                     |
| 140        | 09/26/2008 | 10:59:09 | 0.024                     |
| 141        | 09/26/2008 | 11:00:09 | 0.026                     |
| 142        | 09/26/2008 | 11:01:09 | 0.027                     |
| 143        | 09/26/2008 | 11:02:09 | 0.026                     |
| 144        | 09/26/2008 | 11:03:09 | 0.027                     |
| 145        | 09/26/2008 | 11:04:09 | 0.029                     |
| 146        | 09/26/2008 | 11:05:09 | 0.027                     |
| 147        | 09/26/2008 | 11:06:09 | 0.026                     |
| 148        | 09/26/2008 | 11:07:09 | 0.025                     |
| 149        | 09/26/2008 | 11:08:09 | 0.027                     |
| 150        | 09/26/2008 | 11:09:09 | 0.030                     |
| 151        | 09/26/2008 | 11:10:09 | 0.031                     |
| 152        | 09/26/2008 | 11:11:09 | 0.027                     |
| 153        | 09/26/2008 | 11:12:09 | 0.026                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 154        | 09/26/2008 | 11:13:09 | 0.047                     |
| 155        | 09/26/2008 | 11:14:09 | 0.040                     |
| 156        | 09/26/2008 | 11:15:09 | 0.034                     |
| 157        | 09/26/2008 | 11:16:09 | 0.024                     |
| 158        | 09/26/2008 | 11:17:09 | 0.027                     |
| 159        | 09/26/2008 | 11:18:09 | 0.027                     |
| 160        | 09/26/2008 | 11:19:09 | 0.029                     |
| 161        | 09/26/2008 | 11:20:09 | 0.022                     |
| 162        | 09/26/2008 | 11:21:09 | 0.027                     |
| 163        | 09/26/2008 | 11:22:09 | 0.031                     |
| 164        | 09/26/2008 | 11:23:09 | 0.025                     |
| 165        | 09/26/2008 | 11:24:09 | 0.025                     |
| 166        | 09/26/2008 | 11:25:09 | 0.031                     |
| 167        | 09/26/2008 | 11:26:09 | 0.029                     |
| 168        | 09/26/2008 | 11:27:09 | 0.024                     |
| 169        | 09/26/2008 | 11:28:09 | 0.027                     |
| 170        | 09/26/2008 | 11:29:09 | 0.029                     |
| 171        | 09/26/2008 | 11:30:09 | 0.029                     |
| 172        | 09/26/2008 | 11:31:09 | 0.055                     |
| 173        | 09/26/2008 | 11:32:09 | 0.031                     |
| 174        | 09/26/2008 | 11:33:09 | 0.027                     |
| 175        | 09/26/2008 | 11:34:09 | 0.030                     |
| 176        | 09/26/2008 | 11:35:09 | 0.031                     |
| 177        | 09/26/2008 | 11:36:09 | 0.027                     |
| 178        | 09/26/2008 | 11:37:09 | 0.027                     |
| 179        | 09/26/2008 | 11:38:09 | 0.032                     |
| 180        | 09/26/2008 | 11:39:09 | 0.031                     |
| 181        | 09/26/2008 | 11:40:09 | 0.027                     |
| 182        | 09/26/2008 | 11:41:09 | 0.028                     |
| 183        | 09/26/2008 | 11:42:09 | 0.026                     |
| 184        | 09/26/2008 | 11:43:09 | 0.036                     |
| 185        | 09/26/2008 | 11:44:09 | 0.046                     |
| 186        | 09/26/2008 | 11:45:09 | 0.028                     |
| 187        | 09/26/2008 | 11:46:09 | 0.029                     |
| 188        | 09/26/2008 | 11:47:09 | 0.023                     |
| 189        | 09/26/2008 | 11:48:09 | 0.031                     |
| 190        | 09/26/2008 | 11:49:09 | 0.025                     |
| 191        | 09/26/2008 | 11:50:09 | 0.025                     |
| 192        | 09/26/2008 | 11:51:09 | 0.029                     |
| 193        | 09/26/2008 | 11:52:09 | 0.042                     |
| 194        | 09/26/2008 | 11:53:09 | 0.028                     |
| 195        | 09/26/2008 | 11:54:09 | 0.028                     |
| 196        | 09/26/2008 | 11:55:09 | 0.027                     |
| 197        | 09/26/2008 | 11:56:09 | 0.032                     |
| 198        | 09/26/2008 | 11:57:09 | 0.029                     |
| 199        | 09/26/2008 | 11:58:09 | 0.033                     |
| 200        | 09/26/2008 | 11:59:09 | 0.025                     |
| 201        | 09/26/2008 | 12:00:09 | 0.028                     |
| 202        | 09/26/2008 | 12:01:09 | 0.025                     |
| 203        | 09/26/2008 | 12:02:09 | 0.032                     |
| 204        | 09/26/2008 | 12:03:09 | 0.028                     |
| 205        | 09/26/2008 | 12:04:09 | 0.027                     |
| 206        | 09/26/2008 | 12:05:09 | 0.033                     |
| 207        | 09/26/2008 | 12:06:09 | 0.031                     |
| 208        | 09/26/2008 | 12:07:09 | 0.027                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 209        | 09/26/2008 | 12:08:09 | 0.026                     |
| 210        | 09/26/2008 | 12:09:09 | 0.028                     |
| 211        | 09/26/2008 | 12:10:09 | 0.022                     |
| 212        | 09/26/2008 | 12:11:09 | 0.021                     |
| 213        | 09/26/2008 | 12:12:09 | 0.025                     |
| 214        | 09/26/2008 | 12:13:09 | 0.023                     |
| 215        | 09/26/2008 | 12:14:09 | 0.025                     |
| 216        | 09/26/2008 | 12:15:09 | 0.022                     |
| 217        | 09/26/2008 | 12:16:09 | 0.022                     |
| 218        | 09/26/2008 | 12:17:09 | 0.021                     |
| 219        | 09/26/2008 | 12:18:09 | 0.021                     |
| 220        | 09/26/2008 | 12:19:09 | 0.024                     |
| 221        | 09/26/2008 | 12:20:09 | 0.027                     |
| 222        | 09/26/2008 | 12:21:09 | 0.036                     |
| 223        | 09/26/2008 | 12:22:09 | 0.034                     |
| 224        | 09/26/2008 | 12:23:09 | 0.028                     |
| 225        | 09/26/2008 | 12:24:09 | 0.032                     |
| 226        | 09/26/2008 | 12:25:09 | 0.056                     |
| 227        | 09/26/2008 | 12:26:09 | 0.033                     |
| 228        | 09/26/2008 | 12:27:09 | 0.040                     |
| 229        | 09/26/2008 | 12:28:09 | 0.028                     |
| 230        | 09/26/2008 | 12:29:09 | 0.039                     |
| 231        | 09/26/2008 | 12:30:09 | 0.031                     |
| 232        | 09/26/2008 | 12:31:09 | 0.024                     |
| 233        | 09/26/2008 | 12:32:09 | 0.023                     |
| 234        | 09/26/2008 | 12:33:09 | 0.035                     |
| 235        | 09/26/2008 | 12:34:09 | 0.029                     |
| 236        | 09/26/2008 | 12:35:09 | 0.025                     |
| 237        | 09/26/2008 | 12:36:09 | 0.056                     |
| 238        | 09/26/2008 | 12:37:09 | 0.023                     |
| 239        | 09/26/2008 | 12:38:09 | 0.022                     |
| 240        | 09/26/2008 | 12:39:09 | 0.016                     |
| 241        | 09/26/2008 | 12:40:09 | 0.015                     |
| 242        | 09/26/2008 | 12:41:09 | 0.018                     |
| 243        | 09/26/2008 | 12:42:09 | 0.049                     |
| 244        | 09/26/2008 | 12:43:09 | 0.038                     |
| 245        | 09/26/2008 | 12:44:09 | 0.020                     |
| 246        | 09/26/2008 | 12:45:09 | 0.049                     |
| 247        | 09/26/2008 | 12:46:09 | 0.023                     |
| 248        | 09/26/2008 | 12:47:09 | 0.023                     |
| 249        | 09/26/2008 | 12:48:09 | 0.017                     |
| 250        | 09/26/2008 | 12:49:09 | 0.018                     |
| 251        | 09/26/2008 | 12:50:09 | 0.025                     |
| 252        | 09/26/2008 | 12:51:09 | 0.023                     |
| 253        | 09/26/2008 | 12:52:09 | 0.025                     |
| 254        | 09/26/2008 | 12:53:09 | 0.032                     |
| 255        | 09/26/2008 | 12:54:09 | 0.093                     |
| 256        | 09/26/2008 | 12:55:09 | 0.026                     |
| 257        | 09/26/2008 | 12:56:09 | 0.028                     |
| 258        | 09/26/2008 | 12:57:09 | 0.025                     |
| 259        | 09/26/2008 | 12:58:09 | 0.025                     |
| 260        | 09/26/2008 | 12:59:09 | 0.026                     |
| 261        | 09/26/2008 | 13:00:09 | 0.018                     |
| 262        | 09/26/2008 | 13:01:09 | 0.016                     |
| 263        | 09/26/2008 | 13:02:09 | 0.017                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 264        | 09/26/2008 | 13:03:09 | 0.015                     |
| 265        | 09/26/2008 | 13:04:09 | 0.023                     |
| 266        | 09/26/2008 | 13:05:09 | 0.024                     |
| 267        | 09/26/2008 | 13:06:09 | 0.033                     |
| 268        | 09/26/2008 | 13:07:09 | 0.024                     |
| 269        | 09/26/2008 | 13:08:09 | 0.015                     |
| 270        | 09/26/2008 | 13:09:09 | 0.016                     |
| 271        | 09/26/2008 | 13:10:09 | 0.062                     |
| 272        | 09/26/2008 | 13:11:09 | 0.042                     |
| 273        | 09/26/2008 | 13:12:09 | 0.119                     |
| 274        | 09/26/2008 | 13:13:09 | 0.026                     |
| 275        | 09/26/2008 | 13:14:09 | 0.015                     |
| 276        | 09/26/2008 | 13:15:09 | 0.015                     |
| 277        | 09/26/2008 | 13:16:09 | 0.018                     |
| 278        | 09/26/2008 | 13:17:09 | 0.016                     |
| 279        | 09/26/2008 | 13:18:09 | 0.024                     |
| 280        | 09/26/2008 | 13:19:09 | 0.016                     |
| 281        | 09/26/2008 | 13:20:09 | 0.017                     |
| 282        | 09/26/2008 | 13:21:09 | 0.015                     |
| 283        | 09/26/2008 | 13:22:09 | 0.035                     |
| 284        | 09/26/2008 | 13:23:09 | 0.019                     |
| 285        | 09/26/2008 | 13:24:09 | 0.015                     |
| 286        | 09/26/2008 | 13:25:09 | 0.020                     |
| 287        | 09/26/2008 | 13:26:09 | 0.015                     |
| 288        | 09/26/2008 | 13:27:09 | 0.018                     |
| 289        | 09/26/2008 | 13:28:09 | 0.015                     |
| 290        | 09/26/2008 | 13:29:09 | 0.046                     |
| 291        | 09/26/2008 | 13:30:09 | 0.026                     |
| 292        | 09/26/2008 | 13:31:09 | 0.018                     |
| 293        | 09/26/2008 | 13:32:09 | 0.023                     |
| 294        | 09/26/2008 | 13:33:09 | 0.019                     |
| 295        | 09/26/2008 | 13:34:09 | 0.023                     |
| 296        | 09/26/2008 | 13:35:09 | 0.017                     |
| 297        | 09/26/2008 | 13:36:09 | 0.013                     |
| 298        | 09/26/2008 | 13:37:09 | 0.016                     |
| 299        | 09/26/2008 | 13:38:09 | 0.015                     |
| 300        | 09/26/2008 | 13:39:09 | 0.015                     |
| 301        | 09/26/2008 | 13:40:09 | 0.015                     |
| 302        | 09/26/2008 | 13:41:09 | 0.024                     |
| 303        | 09/26/2008 | 13:42:09 | 0.021                     |
| 304        | 09/26/2008 | 13:43:09 | 0.019                     |
| 305        | 09/26/2008 | 13:44:09 | 0.019                     |
| 306        | 09/26/2008 | 13:45:09 | 0.021                     |
| 307        | 09/26/2008 | 13:46:09 | 0.019                     |
| 308        | 09/26/2008 | 13:47:09 | 0.029                     |
| 309        | 09/26/2008 | 13:48:09 | 0.029                     |
| 310        | 09/26/2008 | 13:49:09 | 0.024                     |
| 311        | 09/26/2008 | 13:50:09 | 0.022                     |
| 312        | 09/26/2008 | 13:51:09 | 0.021                     |
| 313        | 09/26/2008 | 13:52:09 | 0.026                     |
| 314        | 09/26/2008 | 13:53:09 | 0.023                     |
| 315        | 09/26/2008 | 13:54:09 | 0.022                     |
| 316        | 09/26/2008 | 13:55:09 | 0.022                     |
| 317        | 09/26/2008 | 13:56:09 | 0.021                     |
| 318        | 09/26/2008 | 13:57:09 | 0.024                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 319        | 09/26/2008 | 13:58:09 | 0.021                     |
| 320        | 09/26/2008 | 13:59:09 | 0.022                     |
| 321        | 09/26/2008 | 14:00:09 | 0.020                     |
| 322        | 09/26/2008 | 14:01:09 | 0.023                     |
| 323        | 09/26/2008 | 14:02:09 | 0.021                     |
| 324        | 09/26/2008 | 14:03:09 | 0.020                     |
| 325        | 09/26/2008 | 14:04:09 | 0.020                     |
| 326        | 09/26/2008 | 14:05:09 | 0.025                     |
| 327        | 09/26/2008 | 14:06:09 | 0.021                     |
| 328        | 09/26/2008 | 14:07:09 | 0.023                     |
| 329        | 09/26/2008 | 14:08:09 | 0.023                     |
| 330        | 09/26/2008 | 14:09:09 | 0.021                     |
| 331        | 09/26/2008 | 14:10:09 | 0.022                     |
| 332        | 09/26/2008 | 14:11:09 | 0.018                     |
| 333        | 09/26/2008 | 14:12:09 | 0.019                     |
| 334        | 09/26/2008 | 14:13:09 | 0.022                     |
| 335        | 09/26/2008 | 14:14:09 | 0.027                     |
| 336        | 09/26/2008 | 14:15:09 | 0.021                     |
| 337        | 09/26/2008 | 14:16:09 | 0.020                     |
| 338        | 09/26/2008 | 14:17:09 | 0.027                     |
| 339        | 09/26/2008 | 14:18:09 | 0.022                     |
| 340        | 09/26/2008 | 14:19:09 | 0.025                     |
| 341        | 09/26/2008 | 14:20:09 | 0.024                     |
| 342        | 09/26/2008 | 14:21:09 | 0.032                     |
| 343        | 09/26/2008 | 14:22:09 | 0.021                     |
| 344        | 09/26/2008 | 14:23:09 | 0.022                     |
| 345        | 09/26/2008 | 14:24:09 | 0.021                     |
| 346        | 09/26/2008 | 14:25:09 | 0.019                     |
| 347        | 09/26/2008 | 14:26:09 | 0.022                     |
| 348        | 09/26/2008 | 14:27:09 | 0.025                     |
| 349        | 09/26/2008 | 14:28:09 | 0.024                     |
| 350        | 09/26/2008 | 14:29:09 | 0.024                     |
| 351        | 09/26/2008 | 14:30:09 | 0.021                     |
| 352        | 09/26/2008 | 14:31:09 | 0.024                     |
| 353        | 09/26/2008 | 14:32:09 | 0.023                     |
| 354        | 09/26/2008 | 14:33:09 | 0.024                     |
| 355        | 09/26/2008 | 14:34:09 | 0.023                     |
| 356        | 09/26/2008 | 14:35:09 | 0.025                     |
| 357        | 09/26/2008 | 14:36:09 | 0.021                     |
| 358        | 09/26/2008 | 14:37:09 | 0.030                     |
| 359        | 09/26/2008 | 14:38:09 | 0.025                     |
| 360        | 09/26/2008 | 14:39:09 | 0.022                     |
| 361        | 09/26/2008 | 14:40:09 | 0.021                     |
| 362        | 09/26/2008 | 14:41:09 | 0.025                     |
| 363        | 09/26/2008 | 14:42:09 | 0.020                     |
| 364        | 09/26/2008 | 14:43:09 | 0.019                     |
| 365        | 09/26/2008 | 14:44:09 | 0.025                     |
| 366        | 09/26/2008 | 14:45:09 | 0.022                     |
| 367        | 09/26/2008 | 14:46:09 | 0.041                     |
| 368        | 09/26/2008 | 14:47:09 | 0.034                     |
| 369        | 09/26/2008 | 14:48:09 | 0.026                     |
| 370        | 09/26/2008 | 14:49:09 | 0.024                     |
| 371        | 09/26/2008 | 14:50:09 | 0.025                     |
| 372        | 09/26/2008 | 14:51:09 | 0.025                     |
| 373        | 09/26/2008 | 14:52:09 | 0.022                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 374        | 09/26/2008 | 14:53:09 | 0.020                     |
| 375        | 09/26/2008 | 14:54:09 | 0.025                     |
| 376        | 09/26/2008 | 14:55:09 | 0.057                     |
| 377        | 09/26/2008 | 14:56:09 | 0.058                     |
| 378        | 09/26/2008 | 14:57:09 | 0.029                     |
| 379        | 09/26/2008 | 14:58:09 | 0.036                     |
| 380        | 09/26/2008 | 14:59:09 | 0.019                     |
| 381        | 09/26/2008 | 15:00:09 | 0.018                     |
| 382        | 09/26/2008 | 15:01:09 | 0.018                     |
| 383        | 09/26/2008 | 15:02:09 | 0.021                     |
| 384        | 09/26/2008 | 15:03:09 | 0.027                     |
| 385        | 09/26/2008 | 15:04:09 | 0.045                     |
| 386        | 09/26/2008 | 15:05:09 | 0.026                     |
| 387        | 09/26/2008 | 15:06:09 | 0.022                     |
| 388        | 09/26/2008 | 15:07:09 | 0.020                     |
| 389        | 09/26/2008 | 15:08:09 | 0.049                     |
| 390        | 09/26/2008 | 15:09:09 | 0.035                     |
| 391        | 09/26/2008 | 15:10:09 | 0.017                     |
| 392        | 09/26/2008 | 15:11:09 | 0.020                     |
| 393        | 09/26/2008 | 15:12:09 | 0.016                     |
| 394        | 09/26/2008 | 15:13:09 | 0.036                     |
| 395        | 09/26/2008 | 15:14:09 | 0.026                     |
| 396        | 09/26/2008 | 15:15:09 | 0.021                     |
| 397        | 09/26/2008 | 15:16:09 | 0.019                     |
| 398        | 09/26/2008 | 15:17:09 | 0.026                     |
| 399        | 09/26/2008 | 15:18:09 | 0.038                     |
| 400        | 09/26/2008 | 15:19:09 | 0.024                     |
| 401        | 09/26/2008 | 15:20:09 | 0.017                     |
| 402        | 09/26/2008 | 15:21:09 | 0.025                     |
| 403        | 09/26/2008 | 15:22:09 | 0.020                     |
| 404        | 09/26/2008 | 15:23:09 | 0.019                     |
| 405        | 09/26/2008 | 15:24:09 | 0.018                     |
| 406        | 09/26/2008 | 15:25:09 | 0.018                     |
| 407        | 09/26/2008 | 15:26:09 | 0.019                     |
| 408        | 09/26/2008 | 15:27:09 | 0.014                     |
| 409        | 09/26/2008 | 15:28:09 | 0.016                     |

# Test 004

| Instrument |           | Data Properties  |            |
|------------|-----------|------------------|------------|
| Model      | Dust Trak | Start Date       | 09/26/2008 |
| Meter S/N  | 85202283  | Start Time       | 08:37:57   |
|            |           | Stop Date        | 09/26/2008 |
|            |           | Stop Time        | 15:25:57   |
|            |           | Total Time       | 0:06:48:00 |
|            |           | Logging Interval | 60 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 09/26/2008 | 08:38:57 | 0.018                     |
| 2          | 09/26/2008 | 08:39:57 | 0.017                     |
| 3          | 09/26/2008 | 08:40:57 | 0.017                     |
| 4          | 09/26/2008 | 08:41:57 | 0.018                     |
| 5          | 09/26/2008 | 08:42:57 | 0.016                     |
| 6          | 09/26/2008 | 08:43:57 | 0.016                     |
| 7          | 09/26/2008 | 08:44:57 | 0.017                     |
| 8          | 09/26/2008 | 08:45:57 | 0.016                     |
| 9          | 09/26/2008 | 08:46:57 | 0.023                     |
| 10         | 09/26/2008 | 08:47:57 | 0.017                     |
| 11         | 09/26/2008 | 08:48:57 | 0.015                     |
| 12         | 09/26/2008 | 08:49:57 | 0.014                     |
| 13         | 09/26/2008 | 08:50:57 | 0.014                     |
| 14         | 09/26/2008 | 08:51:57 | 0.015                     |
| 15         | 09/26/2008 | 08:52:57 | 0.015                     |
| 16         | 09/26/2008 | 08:53:57 | 0.014                     |
| 17         | 09/26/2008 | 08:54:57 | 0.013                     |
| 18         | 09/26/2008 | 08:55:57 | 0.015                     |
| 19         | 09/26/2008 | 08:56:57 | 0.014                     |
| 20         | 09/26/2008 | 08:57:57 | 0.014                     |
| 21         | 09/26/2008 | 08:58:57 | 0.014                     |
| 22         | 09/26/2008 | 08:59:57 | 0.014                     |
| 23         | 09/26/2008 | 09:00:57 | 0.013                     |
| 24         | 09/26/2008 | 09:01:57 | 0.013                     |
| 25         | 09/26/2008 | 09:02:57 | 0.015                     |
| 26         | 09/26/2008 | 09:03:57 | 0.014                     |
| 27         | 09/26/2008 | 09:04:57 | 0.014                     |
| 28         | 09/26/2008 | 09:05:57 | 0.014                     |
| 29         | 09/26/2008 | 09:06:57 | 0.014                     |
| 30         | 09/26/2008 | 09:07:57 | 0.013                     |
| 31         | 09/26/2008 | 09:08:57 | 0.013                     |
| 32         | 09/26/2008 | 09:09:57 | 0.013                     |
| 33         | 09/26/2008 | 09:10:57 | 0.013                     |
| 34         | 09/26/2008 | 09:11:57 | 0.012                     |
| 35         | 09/26/2008 | 09:12:57 | 0.012                     |
| 36         | 09/26/2008 | 09:13:57 | 0.011                     |
| 37         | 09/26/2008 | 09:14:57 | 0.012                     |
| 38         | 09/26/2008 | 09:15:57 | 0.013                     |
| 39         | 09/26/2008 | 09:16:57 | 0.013                     |
| 40         | 09/26/2008 | 09:17:57 | 0.012                     |
| 41         | 09/26/2008 | 09:18:57 | 0.011                     |
| 42         | 09/26/2008 | 09:19:57 | 0.013                     |
| 43         | 09/26/2008 | 09:20:57 | 0.012                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 09/26/2008 | 09:21:57 | 0.014                     |
| 45         | 09/26/2008 | 09:22:57 | 0.015                     |
| 46         | 09/26/2008 | 09:23:57 | 0.015                     |
| 47         | 09/26/2008 | 09:24:57 | 0.016                     |
| 48         | 09/26/2008 | 09:25:57 | 0.016                     |
| 49         | 09/26/2008 | 09:26:57 | 0.014                     |
| 50         | 09/26/2008 | 09:27:57 | 0.014                     |
| 51         | 09/26/2008 | 09:28:57 | 0.013                     |
| 52         | 09/26/2008 | 09:29:57 | 0.013                     |
| 53         | 09/26/2008 | 09:30:57 | 0.012                     |
| 54         | 09/26/2008 | 09:31:57 | 0.013                     |
| 55         | 09/26/2008 | 09:32:57 | 0.014                     |
| 56         | 09/26/2008 | 09:33:57 | 0.014                     |
| 57         | 09/26/2008 | 09:34:57 | 0.014                     |
| 58         | 09/26/2008 | 09:35:57 | 0.015                     |
| 59         | 09/26/2008 | 09:36:57 | 0.014                     |
| 60         | 09/26/2008 | 09:37:57 | 0.015                     |
| 61         | 09/26/2008 | 09:38:57 | 0.014                     |
| 62         | 09/26/2008 | 09:39:57 | 0.014                     |
| 63         | 09/26/2008 | 09:40:57 | 0.014                     |
| 64         | 09/26/2008 | 09:41:57 | 0.014                     |
| 65         | 09/26/2008 | 09:42:57 | 0.013                     |
| 66         | 09/26/2008 | 09:43:57 | 0.015                     |
| 67         | 09/26/2008 | 09:44:57 | 0.013                     |
| 68         | 09/26/2008 | 09:45:57 | 0.014                     |
| 69         | 09/26/2008 | 09:46:57 | 0.014                     |
| 70         | 09/26/2008 | 09:47:57 | 0.013                     |
| 71         | 09/26/2008 | 09:48:57 | 0.013                     |
| 72         | 09/26/2008 | 09:49:57 | 0.012                     |
| 73         | 09/26/2008 | 09:50:57 | 0.012                     |
| 74         | 09/26/2008 | 09:51:57 | 0.012                     |
| 75         | 09/26/2008 | 09:52:57 | 0.012                     |
| 76         | 09/26/2008 | 09:53:57 | 0.011                     |
| 77         | 09/26/2008 | 09:54:57 | 0.013                     |
| 78         | 09/26/2008 | 09:55:57 | 0.012                     |
| 79         | 09/26/2008 | 09:56:57 | 0.012                     |
| 80         | 09/26/2008 | 09:57:57 | 0.011                     |
| 81         | 09/26/2008 | 09:58:57 | 0.013                     |
| 82         | 09/26/2008 | 09:59:57 | 0.013                     |
| 83         | 09/26/2008 | 10:00:57 | 0.012                     |
| 84         | 09/26/2008 | 10:01:57 | 0.013                     |
| 85         | 09/26/2008 | 10:02:57 | 0.012                     |
| 86         | 09/26/2008 | 10:03:57 | 0.012                     |
| 87         | 09/26/2008 | 10:04:57 | 0.013                     |
| 88         | 09/26/2008 | 10:05:57 | 0.015                     |
| 89         | 09/26/2008 | 10:06:57 | 0.013                     |
| 90         | 09/26/2008 | 10:07:57 | 0.012                     |
| 91         | 09/26/2008 | 10:08:57 | 0.014                     |
| 92         | 09/26/2008 | 10:09:57 | 0.012                     |
| 93         | 09/26/2008 | 10:10:57 | 0.013                     |
| 94         | 09/26/2008 | 10:11:57 | 0.014                     |
| 95         | 09/26/2008 | 10:12:57 | 0.014                     |
| 96         | 09/26/2008 | 10:13:57 | 0.013                     |
| 97         | 09/26/2008 | 10:14:57 | 0.013                     |
| 98         | 09/26/2008 | 10:15:57 | 0.013                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 99         | 09/26/2008 | 10:16:57 | 0.012                     |
| 100        | 09/26/2008 | 10:17:57 | 0.013                     |
| 101        | 09/26/2008 | 10:18:57 | 0.013                     |
| 102        | 09/26/2008 | 10:19:57 | 0.013                     |
| 103        | 09/26/2008 | 10:20:57 | 0.012                     |
| 104        | 09/26/2008 | 10:21:57 | 0.012                     |
| 105        | 09/26/2008 | 10:22:57 | 0.012                     |
| 106        | 09/26/2008 | 10:23:57 | 0.012                     |
| 107        | 09/26/2008 | 10:24:57 | 0.013                     |
| 108        | 09/26/2008 | 10:25:57 | 0.024                     |
| 109        | 09/26/2008 | 10:26:57 | 0.011                     |
| 110        | 09/26/2008 | 10:27:57 | 0.014                     |
| 111        | 09/26/2008 | 10:28:57 | 0.012                     |
| 112        | 09/26/2008 | 10:29:57 | 0.011                     |
| 113        | 09/26/2008 | 10:30:57 | 0.011                     |
| 114        | 09/26/2008 | 10:31:57 | 0.012                     |
| 115        | 09/26/2008 | 10:32:57 | 0.012                     |
| 116        | 09/26/2008 | 10:33:57 | 0.011                     |
| 117        | 09/26/2008 | 10:34:57 | 0.012                     |
| 118        | 09/26/2008 | 10:35:57 | 0.012                     |
| 119        | 09/26/2008 | 10:36:57 | 0.014                     |
| 120        | 09/26/2008 | 10:37:57 | 0.012                     |
| 121        | 09/26/2008 | 10:38:57 | 0.011                     |
| 122        | 09/26/2008 | 10:39:57 | 0.012                     |
| 123        | 09/26/2008 | 10:40:57 | 0.011                     |
| 124        | 09/26/2008 | 10:41:57 | 0.011                     |
| 125        | 09/26/2008 | 10:42:57 | 0.011                     |
| 126        | 09/26/2008 | 10:43:57 | 0.011                     |
| 127        | 09/26/2008 | 10:44:57 | 0.010                     |
| 128        | 09/26/2008 | 10:45:57 | 0.011                     |
| 129        | 09/26/2008 | 10:46:57 | 0.010                     |
| 130        | 09/26/2008 | 10:47:57 | 0.032                     |
| 131        | 09/26/2008 | 10:48:57 | 0.012                     |
| 132        | 09/26/2008 | 10:49:57 | 0.009                     |
| 133        | 09/26/2008 | 10:50:57 | 0.009                     |
| 134        | 09/26/2008 | 10:51:57 | 0.009                     |
| 135        | 09/26/2008 | 10:52:57 | 0.010                     |
| 136        | 09/26/2008 | 10:53:57 | 0.010                     |
| 137        | 09/26/2008 | 10:54:57 | 0.011                     |
| 138        | 09/26/2008 | 10:55:57 | 0.010                     |
| 139        | 09/26/2008 | 10:56:57 | 0.009                     |
| 140        | 09/26/2008 | 10:57:57 | 0.010                     |
| 141        | 09/26/2008 | 10:58:57 | 0.009                     |
| 142        | 09/26/2008 | 10:59:57 | 0.010                     |
| 143        | 09/26/2008 | 11:00:57 | 0.009                     |
| 144        | 09/26/2008 | 11:01:57 | 0.011                     |
| 145        | 09/26/2008 | 11:02:57 | 0.010                     |
| 146        | 09/26/2008 | 11:03:57 | 0.010                     |
| 147        | 09/26/2008 | 11:04:57 | 0.009                     |
| 148        | 09/26/2008 | 11:05:57 | 0.010                     |
| 149        | 09/26/2008 | 11:06:57 | 0.011                     |
| 150        | 09/26/2008 | 11:07:57 | 0.012                     |
| 151        | 09/26/2008 | 11:08:57 | 0.010                     |
| 152        | 09/26/2008 | 11:09:57 | 0.011                     |
| 153        | 09/26/2008 | 11:10:57 | 0.026                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 154        | 09/26/2008 | 11:11:57 | 0.011                     |
| 155        | 09/26/2008 | 11:12:57 | 0.009                     |
| 156        | 09/26/2008 | 11:13:57 | 0.009                     |
| 157        | 09/26/2008 | 11:14:57 | 0.010                     |
| 158        | 09/26/2008 | 11:15:57 | 0.010                     |
| 159        | 09/26/2008 | 11:16:57 | 0.010                     |
| 160        | 09/26/2008 | 11:17:57 | 0.010                     |
| 161        | 09/26/2008 | 11:18:57 | 0.010                     |
| 162        | 09/26/2008 | 11:19:57 | 0.010                     |
| 163        | 09/26/2008 | 11:20:57 | 0.009                     |
| 164        | 09/26/2008 | 11:21:57 | 0.009                     |
| 165        | 09/26/2008 | 11:22:57 | 0.014                     |
| 166        | 09/26/2008 | 11:23:57 | 0.012                     |
| 167        | 09/26/2008 | 11:24:57 | 0.011                     |
| 168        | 09/26/2008 | 11:25:57 | 0.011                     |
| 169        | 09/26/2008 | 11:26:57 | 0.011                     |
| 170        | 09/26/2008 | 11:27:57 | 0.012                     |
| 171        | 09/26/2008 | 11:28:57 | 0.016                     |
| 172        | 09/26/2008 | 11:29:57 | 0.012                     |
| 173        | 09/26/2008 | 11:30:57 | 0.011                     |
| 174        | 09/26/2008 | 11:31:57 | 0.011                     |
| 175        | 09/26/2008 | 11:32:57 | 0.011                     |
| 176        | 09/26/2008 | 11:33:57 | 0.010                     |
| 177        | 09/26/2008 | 11:34:57 | 0.010                     |
| 178        | 09/26/2008 | 11:35:57 | 0.012                     |
| 179        | 09/26/2008 | 11:36:57 | 0.010                     |
| 180        | 09/26/2008 | 11:37:57 | 0.011                     |
| 181        | 09/26/2008 | 11:38:57 | 0.011                     |
| 182        | 09/26/2008 | 11:39:57 | 0.010                     |
| 183        | 09/26/2008 | 11:40:57 | 0.012                     |
| 184        | 09/26/2008 | 11:41:57 | 0.010                     |
| 185        | 09/26/2008 | 11:42:57 | 0.010                     |
| 186        | 09/26/2008 | 11:43:57 | 0.011                     |
| 187        | 09/26/2008 | 11:44:57 | 0.010                     |
| 188        | 09/26/2008 | 11:45:57 | 0.010                     |
| 189        | 09/26/2008 | 11:46:57 | 0.011                     |
| 190        | 09/26/2008 | 11:47:57 | 0.010                     |
| 191        | 09/26/2008 | 11:48:57 | 0.010                     |
| 192        | 09/26/2008 | 11:49:57 | 0.010                     |
| 193        | 09/26/2008 | 11:50:57 | 0.011                     |
| 194        | 09/26/2008 | 11:51:57 | 0.010                     |
| 195        | 09/26/2008 | 11:52:57 | 0.009                     |
| 196        | 09/26/2008 | 11:53:57 | 0.010                     |
| 197        | 09/26/2008 | 11:54:57 | 0.010                     |
| 198        | 09/26/2008 | 11:55:57 | 0.011                     |
| 199        | 09/26/2008 | 11:56:57 | 0.011                     |
| 200        | 09/26/2008 | 11:57:57 | 0.011                     |
| 201        | 09/26/2008 | 11:58:57 | 0.011                     |
| 202        | 09/26/2008 | 11:59:57 | 0.012                     |
| 203        | 09/26/2008 | 12:00:57 | 0.011                     |
| 204        | 09/26/2008 | 12:01:57 | 0.010                     |
| 205        | 09/26/2008 | 12:02:57 | 0.013                     |
| 206        | 09/26/2008 | 12:03:57 | 0.011                     |
| 207        | 09/26/2008 | 12:04:57 | 0.010                     |
| 208        | 09/26/2008 | 12:05:57 | 0.010                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 209        | 09/26/2008 | 12:06:57 | 0.012                     |
| 210        | 09/26/2008 | 12:07:57 | 0.010                     |
| 211        | 09/26/2008 | 12:08:57 | 0.009                     |
| 212        | 09/26/2008 | 12:09:57 | 0.009                     |
| 213        | 09/26/2008 | 12:10:57 | 0.009                     |
| 214        | 09/26/2008 | 12:11:57 | 0.010                     |
| 215        | 09/26/2008 | 12:12:57 | 0.009                     |
| 216        | 09/26/2008 | 12:13:57 | 0.009                     |
| 217        | 09/26/2008 | 12:14:57 | 0.010                     |
| 218        | 09/26/2008 | 12:15:57 | 0.009                     |
| 219        | 09/26/2008 | 12:16:57 | 0.011                     |
| 220        | 09/26/2008 | 12:17:57 | 0.013                     |
| 221        | 09/26/2008 | 12:18:57 | 0.020                     |
| 222        | 09/26/2008 | 12:19:57 | 0.015                     |
| 223        | 09/26/2008 | 12:20:57 | 0.012                     |
| 224        | 09/26/2008 | 12:21:57 | 0.014                     |
| 225        | 09/26/2008 | 12:22:57 | 0.028                     |
| 226        | 09/26/2008 | 12:23:57 | 0.016                     |
| 227        | 09/26/2008 | 12:24:57 | 0.014                     |
| 228        | 09/26/2008 | 12:25:57 | 0.009                     |
| 229        | 09/26/2008 | 12:26:57 | 0.011                     |
| 230        | 09/26/2008 | 12:27:57 | 0.012                     |
| 231        | 09/26/2008 | 12:28:57 | 0.009                     |
| 232        | 09/26/2008 | 12:29:57 | 0.009                     |
| 233        | 09/26/2008 | 12:30:57 | 0.008                     |
| 234        | 09/26/2008 | 12:31:57 | 0.011                     |
| 235        | 09/26/2008 | 12:32:57 | 0.009                     |
| 236        | 09/26/2008 | 12:33:57 | 0.012                     |
| 237        | 09/26/2008 | 12:34:57 | 0.013                     |
| 238        | 09/26/2008 | 12:35:57 | 0.008                     |
| 239        | 09/26/2008 | 12:36:57 | 0.008                     |
| 240        | 09/26/2008 | 12:37:57 | 0.007                     |
| 241        | 09/26/2008 | 12:38:57 | 0.008                     |
| 242        | 09/26/2008 | 12:39:57 | 0.007                     |
| 243        | 09/26/2008 | 12:40:57 | 0.008                     |
| 244        | 09/26/2008 | 12:41:57 | 0.008                     |
| 245        | 09/26/2008 | 12:42:57 | 0.008                     |
| 246        | 09/26/2008 | 12:43:57 | 0.007                     |
| 247        | 09/26/2008 | 12:44:57 | 0.007                     |
| 248        | 09/26/2008 | 12:45:57 | 0.008                     |
| 249        | 09/26/2008 | 12:46:57 | 0.008                     |
| 250        | 09/26/2008 | 12:47:57 | 0.008                     |
| 251        | 09/26/2008 | 12:48:57 | 0.008                     |
| 252        | 09/26/2008 | 12:49:57 | 0.008                     |
| 253        | 09/26/2008 | 12:50:57 | 0.014                     |
| 254        | 09/26/2008 | 12:51:57 | 0.026                     |
| 255        | 09/26/2008 | 12:52:57 | 0.011                     |
| 256        | 09/26/2008 | 12:53:57 | 0.009                     |
| 257        | 09/26/2008 | 12:54:57 | 0.008                     |
| 258        | 09/26/2008 | 12:55:57 | 0.007                     |
| 259        | 09/26/2008 | 12:56:57 | 0.008                     |
| 260        | 09/26/2008 | 12:57:57 | 0.008                     |
| 261        | 09/26/2008 | 12:58:57 | 0.013                     |
| 262        | 09/26/2008 | 12:59:57 | 0.008                     |
| 263        | 09/26/2008 | 13:00:57 | 0.007                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 264        | 09/26/2008 | 13:01:57 | 0.025                     |
| 265        | 09/26/2008 | 13:02:57 | 0.009                     |
| 266        | 09/26/2008 | 13:03:57 | 0.012                     |
| 267        | 09/26/2008 | 13:04:57 | 0.010                     |
| 268        | 09/26/2008 | 13:05:57 | 0.010                     |
| 269        | 09/26/2008 | 13:06:57 | 0.039                     |
| 270        | 09/26/2008 | 13:07:57 | 0.050                     |
| 271        | 09/26/2008 | 13:08:57 | 0.024                     |
| 272        | 09/26/2008 | 13:09:57 | 0.208                     |
| 273        | 09/26/2008 | 13:10:57 | 0.070                     |
| 274        | 09/26/2008 | 13:11:57 | 0.012                     |
| 275        | 09/26/2008 | 13:12:57 | 0.007                     |
| 276        | 09/26/2008 | 13:13:57 | 0.012                     |
| 277        | 09/26/2008 | 13:14:57 | 0.019                     |
| 278        | 09/26/2008 | 13:15:57 | 0.014                     |
| 279        | 09/26/2008 | 13:16:57 | 0.011                     |
| 280        | 09/26/2008 | 13:17:57 | 0.026                     |
| 281        | 09/26/2008 | 13:18:57 | 0.016                     |
| 282        | 09/26/2008 | 13:19:57 | 0.033                     |
| 283        | 09/26/2008 | 13:20:57 | 0.011                     |
| 284        | 09/26/2008 | 13:21:57 | 0.008                     |
| 285        | 09/26/2008 | 13:22:57 | 0.012                     |
| 286        | 09/26/2008 | 13:23:57 | 0.014                     |
| 287        | 09/26/2008 | 13:24:57 | 0.009                     |
| 288        | 09/26/2008 | 13:25:57 | 0.008                     |
| 289        | 09/26/2008 | 13:26:57 | 0.044                     |
| 290        | 09/26/2008 | 13:27:57 | 0.023                     |
| 291        | 09/26/2008 | 13:28:57 | 0.023                     |
| 292        | 09/26/2008 | 13:29:57 | 0.010                     |
| 293        | 09/26/2008 | 13:30:57 | 0.009                     |
| 294        | 09/26/2008 | 13:31:57 | 0.010                     |
| 295        | 09/26/2008 | 13:32:57 | 0.007                     |
| 296        | 09/26/2008 | 13:33:57 | 0.007                     |
| 297        | 09/26/2008 | 13:34:57 | 0.007                     |
| 298        | 09/26/2008 | 13:35:57 | 0.009                     |
| 299        | 09/26/2008 | 13:36:57 | 0.008                     |
| 300        | 09/26/2008 | 13:37:57 | 0.007                     |
| 301        | 09/26/2008 | 13:38:57 | 0.007                     |
| 302        | 09/26/2008 | 13:39:57 | 0.008                     |
| 303        | 09/26/2008 | 13:40:57 | 0.009                     |
| 304        | 09/26/2008 | 13:41:57 | 0.008                     |
| 305        | 09/26/2008 | 13:42:57 | 0.008                     |
| 306        | 09/26/2008 | 13:43:57 | 0.010                     |
| 307        | 09/26/2008 | 13:44:57 | 0.013                     |
| 308        | 09/26/2008 | 13:45:57 | 0.014                     |
| 309        | 09/26/2008 | 13:46:57 | 0.011                     |
| 310        | 09/26/2008 | 13:47:57 | 0.012                     |
| 311        | 09/26/2008 | 13:48:57 | 0.009                     |
| 312        | 09/26/2008 | 13:49:57 | 0.009                     |
| 313        | 09/26/2008 | 13:50:57 | 0.010                     |
| 314        | 09/26/2008 | 13:51:57 | 0.009                     |
| 315        | 09/26/2008 | 13:52:57 | 0.010                     |
| 316        | 09/26/2008 | 13:53:57 | 0.009                     |
| 317        | 09/26/2008 | 13:54:57 | 0.010                     |
| 318        | 09/26/2008 | 13:55:57 | 0.010                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 319        | 09/26/2008 | 13:56:57 | 0.009                     |
| 320        | 09/26/2008 | 13:57:57 | 0.009                     |
| 321        | 09/26/2008 | 13:58:57 | 0.010                     |
| 322        | 09/26/2008 | 13:59:57 | 0.009                     |
| 323        | 09/26/2008 | 14:00:57 | 0.009                     |
| 324        | 09/26/2008 | 14:01:57 | 0.009                     |
| 325        | 09/26/2008 | 14:02:57 | 0.010                     |
| 326        | 09/26/2008 | 14:03:57 | 0.009                     |
| 327        | 09/26/2008 | 14:04:57 | 0.009                     |
| 328        | 09/26/2008 | 14:05:57 | 0.010                     |
| 329        | 09/26/2008 | 14:06:57 | 0.009                     |
| 330        | 09/26/2008 | 14:07:57 | 0.009                     |
| 331        | 09/26/2008 | 14:08:57 | 0.009                     |
| 332        | 09/26/2008 | 14:09:57 | 0.009                     |
| 333        | 09/26/2008 | 14:10:57 | 0.009                     |
| 334        | 09/26/2008 | 14:11:57 | 0.010                     |
| 335        | 09/26/2008 | 14:12:57 | 0.010                     |
| 336        | 09/26/2008 | 14:13:57 | 0.009                     |
| 337        | 09/26/2008 | 14:14:57 | 0.010                     |
| 338        | 09/26/2008 | 14:15:57 | 0.009                     |
| 339        | 09/26/2008 | 14:16:57 | 0.010                     |
| 340        | 09/26/2008 | 14:17:57 | 0.010                     |
| 341        | 09/26/2008 | 14:18:57 | 0.011                     |
| 342        | 09/26/2008 | 14:19:57 | 0.010                     |
| 343        | 09/26/2008 | 14:20:57 | 0.010                     |
| 344        | 09/26/2008 | 14:21:57 | 0.009                     |
| 345        | 09/26/2008 | 14:22:57 | 0.008                     |
| 346        | 09/26/2008 | 14:23:57 | 0.010                     |
| 347        | 09/26/2008 | 14:24:57 | 0.010                     |
| 348        | 09/26/2008 | 14:25:57 | 0.010                     |
| 349        | 09/26/2008 | 14:26:57 | 0.011                     |
| 350        | 09/26/2008 | 14:27:57 | 0.009                     |
| 351        | 09/26/2008 | 14:28:57 | 0.009                     |
| 352        | 09/26/2008 | 14:29:57 | 0.010                     |
| 353        | 09/26/2008 | 14:30:57 | 0.010                     |
| 354        | 09/26/2008 | 14:31:57 | 0.009                     |
| 355        | 09/26/2008 | 14:32:57 | 0.011                     |
| 356        | 09/26/2008 | 14:33:57 | 0.010                     |
| 357        | 09/26/2008 | 14:34:57 | 0.012                     |
| 358        | 09/26/2008 | 14:35:57 | 0.011                     |
| 359        | 09/26/2008 | 14:36:57 | 0.010                     |
| 360        | 09/26/2008 | 14:37:57 | 0.010                     |
| 361        | 09/26/2008 | 14:38:57 | 0.010                     |
| 362        | 09/26/2008 | 14:39:57 | 0.010                     |
| 363        | 09/26/2008 | 14:40:57 | 0.009                     |
| 364        | 09/26/2008 | 14:41:57 | 0.011                     |
| 365        | 09/26/2008 | 14:42:57 | 0.011                     |
| 366        | 09/26/2008 | 14:43:57 | 0.016                     |
| 367        | 09/26/2008 | 14:44:57 | 0.017                     |
| 368        | 09/26/2008 | 14:45:57 | 0.012                     |
| 369        | 09/26/2008 | 14:46:57 | 0.011                     |
| 370        | 09/26/2008 | 14:47:57 | 0.011                     |
| 371        | 09/26/2008 | 14:48:57 | 0.011                     |
| 372        | 09/26/2008 | 14:49:57 | 0.010                     |
| 373        | 09/26/2008 | 14:50:57 | 0.010                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 374        | 09/26/2008 | 14:51:57 | 0.010                     |
| 375        | 09/26/2008 | 14:52:57 | 0.024                     |
| 376        | 09/26/2008 | 14:53:57 | 0.016                     |
| 377        | 09/26/2008 | 14:54:57 | 0.014                     |
| 378        | 09/26/2008 | 14:55:57 | 0.009                     |
| 379        | 09/26/2008 | 14:56:57 | 0.008                     |
| 380        | 09/26/2008 | 14:57:57 | 0.009                     |
| 381        | 09/26/2008 | 14:58:57 | 0.008                     |
| 382        | 09/26/2008 | 14:59:57 | 0.008                     |
| 383        | 09/26/2008 | 15:00:57 | 0.009                     |
| 384        | 09/26/2008 | 15:01:57 | 0.017                     |
| 385        | 09/26/2008 | 15:02:57 | 0.012                     |
| 386        | 09/26/2008 | 15:03:57 | 0.011                     |
| 387        | 09/26/2008 | 15:04:57 | 0.008                     |
| 388        | 09/26/2008 | 15:05:57 | 0.026                     |
| 389        | 09/26/2008 | 15:06:57 | 0.010                     |
| 390        | 09/26/2008 | 15:07:57 | 0.008                     |
| 391        | 09/26/2008 | 15:08:57 | 0.009                     |
| 392        | 09/26/2008 | 15:09:57 | 0.008                     |
| 393        | 09/26/2008 | 15:10:57 | 0.010                     |
| 394        | 09/26/2008 | 15:11:57 | 0.009                     |
| 395        | 09/26/2008 | 15:12:57 | 0.009                     |
| 396        | 09/26/2008 | 15:13:57 | 0.008                     |
| 397        | 09/26/2008 | 15:14:57 | 0.011                     |
| 398        | 09/26/2008 | 15:15:57 | 0.015                     |
| 399        | 09/26/2008 | 15:16:57 | 0.009                     |
| 400        | 09/26/2008 | 15:17:57 | 0.008                     |
| 401        | 09/26/2008 | 15:18:57 | 0.009                     |
| 402        | 09/26/2008 | 15:19:57 | 0.007                     |
| 403        | 09/26/2008 | 15:20:57 | 0.007                     |
| 404        | 09/26/2008 | 15:21:57 | 0.009                     |
| 405        | 09/26/2008 | 15:22:57 | 0.009                     |
| 406        | 09/26/2008 | 15:23:57 | 0.010                     |
| 407        | 09/26/2008 | 15:24:57 | 0.007                     |
| 408        | 09/26/2008 | 15:25:57 | 0.008                     |

# Test 001

MW-13

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 09/29/2008  |
| Meter S/N  | 16449     | Start Time       | 09:05:15    |
|            |           | Stop Date        | 09/29/2008  |
|            |           | Stop Time        | 15:00:15    |
|            |           | Total Time       | 0:05:55:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 09/29/2008 | 09:10:15 | 0.026                     |
| 2          | 09/29/2008 | 09:15:15 | 0.028                     |
| 3          | 09/29/2008 | 09:20:15 | 0.027                     |
| 4          | 09/29/2008 | 09:25:15 | 0.033                     |
| 5          | 09/29/2008 | 09:30:15 | 0.044                     |
| 6          | 09/29/2008 | 09:35:15 | 0.045                     |
| 7          | 09/29/2008 | 09:40:15 | 0.044                     |
| 8          | 09/29/2008 | 09:45:15 | 0.042                     |
| 9          | 09/29/2008 | 09:50:15 | 0.031                     |
| 10         | 09/29/2008 | 09:55:15 | 0.035                     |
| 11         | 09/29/2008 | 10:00:15 | 0.037                     |
| 12         | 09/29/2008 | 10:05:15 | 0.034                     |
| 13         | 09/29/2008 | 10:10:15 | 0.034                     |
| 14         | 09/29/2008 | 10:15:15 | 0.036                     |
| 15         | 09/29/2008 | 10:20:15 | 0.036                     |
| 16         | 09/29/2008 | 10:25:15 | 0.036                     |
| 17         | 09/29/2008 | 10:30:15 | 0.027                     |
| 18         | 09/29/2008 | 10:35:15 | 0.033                     |
| 19         | 09/29/2008 | 10:40:15 | 0.025                     |
| 20         | 09/29/2008 | 10:45:15 | 0.019                     |
| 21         | 09/29/2008 | 10:50:15 | 0.019                     |
| 22         | 09/29/2008 | 10:55:15 | 0.019                     |
| 23         | 09/29/2008 | 11:00:15 | 0.019                     |
| 24         | 09/29/2008 | 11:05:15 | 0.019                     |
| 25         | 09/29/2008 | 11:10:15 | 0.017                     |
| 26         | 09/29/2008 | 11:15:15 | 0.017                     |
| 27         | 09/29/2008 | 11:20:15 | 0.016                     |
| 28         | 09/29/2008 | 11:25:15 | 0.015                     |
| 29         | 09/29/2008 | 11:30:15 | 0.016                     |
| 30         | 09/29/2008 | 11:35:15 | 0.016                     |
| 31         | 09/29/2008 | 11:40:15 | 0.014                     |
| 32         | 09/29/2008 | 11:45:15 | 0.012                     |
| 33         | 09/29/2008 | 11:50:15 | 0.015                     |
| 34         | 09/29/2008 | 11:55:15 | 0.019                     |
| 35         | 09/29/2008 | 12:00:15 | 0.021                     |
| 36         | 09/29/2008 | 12:05:15 | 0.027                     |
| 37         | 09/29/2008 | 12:10:15 | 0.018                     |
| 38         | 09/29/2008 | 12:15:15 | 0.014                     |
| 39         | 09/29/2008 | 12:20:15 | 0.015                     |
| 40         | 09/29/2008 | 12:25:15 | 0.013                     |
| 41         | 09/29/2008 | 12:30:15 | 0.014                     |
| 42         | 09/29/2008 | 12:35:15 | 0.014                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 43         | 09/29/2008 | 12:40:15 | 0.014                     |
| 44         | 09/29/2008 | 12:45:15 | 0.014                     |
| 45         | 09/29/2008 | 12:50:15 | 0.017                     |
| 46         | 09/29/2008 | 12:55:15 | 0.016                     |
| 47         | 09/29/2008 | 13:00:15 | 0.017                     |
| 48         | 09/29/2008 | 13:05:15 | 0.016                     |
| 49         | 09/29/2008 | 13:10:15 | 0.016                     |
| 50         | 09/29/2008 | 13:15:15 | 0.016                     |
| 51         | 09/29/2008 | 13:20:15 | 0.016                     |
| 52         | 09/29/2008 | 13:25:15 | 0.016                     |
| 53         | 09/29/2008 | 13:30:15 | 0.016                     |
| 54         | 09/29/2008 | 13:35:15 | 0.020                     |
| 55         | 09/29/2008 | 13:40:15 | 0.033                     |
| 56         | 09/29/2008 | 13:45:15 | 0.027                     |
| 57         | 09/29/2008 | 13:50:15 | 0.030                     |
| 58         | 09/29/2008 | 13:55:15 | 0.041                     |
| 59         | 09/29/2008 | 14:00:15 | 0.045                     |
| 60         | 09/29/2008 | 14:05:15 | 0.044                     |
| 61         | 09/29/2008 | 14:10:15 | 0.032                     |
| 62         | 09/29/2008 | 14:15:15 | 0.038                     |
| 63         | 09/29/2008 | 14:20:15 | 0.032                     |
| 64         | 09/29/2008 | 14:25:15 | 0.037                     |
| 65         | 09/29/2008 | 14:30:15 | 0.053                     |
| 66         | 09/29/2008 | 14:35:15 | 0.065                     |
| 67         | 09/29/2008 | 14:40:15 | 0.061                     |
| 68         | 09/29/2008 | 14:45:15 | 0.042                     |
| 69         | 09/29/2008 | 14:50:15 | 0.032                     |
| 70         | 09/29/2008 | 14:55:15 | 0.030                     |
| 71         | 09/29/2008 | 15:00:15 | 0.030                     |

# Test 002

MW-14

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 09/29/2008  |
| Meter S/N  | 16449     | Start Time       | 15:15:32    |
|            |           | Stop Date        | 09/29/2008  |
|            |           | Stop Time        | 16:55:32    |
|            |           | Total Time       | 0:01:40:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 09/29/2008 | 15:20:32 | 0.050                     |
| 2          | 09/29/2008 | 15:25:32 | 0.046                     |
| 3          | 09/29/2008 | 15:30:32 | 0.053                     |
| 4          | 09/29/2008 | 15:35:32 | 0.060                     |
| 5          | 09/29/2008 | 15:40:32 | 0.057                     |
| 6          | 09/29/2008 | 15:45:32 | 0.055                     |
| 7          | 09/29/2008 | 15:50:32 | 0.060                     |
| 8          | 09/29/2008 | 15:55:32 | 0.039                     |
| 9          | 09/29/2008 | 16:00:32 | 0.040                     |
| 10         | 09/29/2008 | 16:05:32 | 0.043                     |
| 11         | 09/29/2008 | 16:10:32 | 0.076                     |
| 12         | 09/29/2008 | 16:15:32 | 0.062                     |
| 13         | 09/29/2008 | 16:20:32 | 0.061                     |
| 14         | 09/29/2008 | 16:25:32 | 0.060                     |
| 15         | 09/29/2008 | 16:30:32 | 0.062                     |
| 16         | 09/29/2008 | 16:35:32 | 0.060                     |
| 17         | 09/29/2008 | 16:40:32 | 0.061                     |
| 18         | 09/29/2008 | 16:45:32 | 0.063                     |
| 19         | 09/29/2008 | 16:50:32 | 0.054                     |
| 20         | 09/29/2008 | 16:55:32 | 0.053                     |

# Test 001

MW-13

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 09/29/2008  |
| Meter S/N  | 85202283  | Start Time       | 09:01:39    |
|            |           | Stop Date        | 09/29/2008  |
|            |           | Stop Time        | 15:01:39    |
|            |           | Total Time       | 0:06:00:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 09/29/2008 | 09:06:39 | 0.009                     |
| 2          | 09/29/2008 | 09:11:39 | 0.010                     |
| 3          | 09/29/2008 | 09:16:39 | 0.009                     |
| 4          | 09/29/2008 | 09:21:39 | 0.009                     |
| 5          | 09/29/2008 | 09:26:39 | 0.016                     |
| 6          | 09/29/2008 | 09:31:39 | 0.015                     |
| 7          | 09/29/2008 | 09:36:39 | 0.015                     |
| 8          | 09/29/2008 | 09:41:39 | 0.017                     |
| 9          | 09/29/2008 | 09:46:39 | 0.011                     |
| 10         | 09/29/2008 | 09:51:39 | 0.012                     |
| 11         | 09/29/2008 | 09:56:39 | 0.016                     |
| 12         | 09/29/2008 | 10:01:39 | 0.012                     |
| 13         | 09/29/2008 | 10:06:39 | 0.013                     |
| 14         | 09/29/2008 | 10:11:39 | 0.009                     |
| 15         | 09/29/2008 | 10:16:39 | 0.016                     |
| 16         | 09/29/2008 | 10:21:39 | 0.013                     |
| 17         | 09/29/2008 | 10:26:39 | 0.011                     |
| 18         | 09/29/2008 | 10:31:39 | 0.011                     |
| 19         | 09/29/2008 | 10:36:39 | 0.009                     |
| 20         | 09/29/2008 | 10:41:39 | 0.007                     |
| 21         | 09/29/2008 | 10:46:39 | 0.008                     |
| 22         | 09/29/2008 | 10:51:39 | 0.006                     |
| 23         | 09/29/2008 | 10:56:39 | 0.007                     |
| 24         | 09/29/2008 | 11:01:39 | 0.007                     |
| 25         | 09/29/2008 | 11:06:39 | 0.006                     |
| 26         | 09/29/2008 | 11:11:39 | 0.007                     |
| 27         | 09/29/2008 | 11:16:39 | 0.006                     |
| 28         | 09/29/2008 | 11:21:39 | 0.005                     |
| 29         | 09/29/2008 | 11:26:39 | 0.006                     |
| 30         | 09/29/2008 | 11:31:39 | 0.006                     |
| 31         | 09/29/2008 | 11:36:39 | 0.005                     |
| 32         | 09/29/2008 | 11:41:39 | 0.005                     |
| 33         | 09/29/2008 | 11:46:39 | 0.005                     |
| 34         | 09/29/2008 | 11:51:39 | 0.006                     |
| 35         | 09/29/2008 | 11:56:39 | 0.007                     |
| 36         | 09/29/2008 | 12:01:39 | 0.008                     |
| 37         | 09/29/2008 | 12:06:39 | 0.010                     |
| 38         | 09/29/2008 | 12:11:39 | 0.005                     |
| 39         | 09/29/2008 | 12:16:39 | 0.006                     |
| 40         | 09/29/2008 | 12:21:39 | 0.005                     |
| 41         | 09/29/2008 | 12:26:39 | 0.005                     |
| 42         | 09/29/2008 | 12:31:39 | 0.006                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 43         | 09/29/2008 | 12:36:39 | 0.005                     |
| 44         | 09/29/2008 | 12:41:39 | 0.006                     |
| 45         | 09/29/2008 | 12:46:39 | 0.005                     |
| 46         | 09/29/2008 | 12:51:39 | 0.006                     |
| 47         | 09/29/2008 | 12:56:39 | 0.006                     |
| 48         | 09/29/2008 | 13:01:39 | 0.006                     |
| 49         | 09/29/2008 | 13:06:39 | 0.006                     |
| 50         | 09/29/2008 | 13:11:39 | 0.007                     |
| 51         | 09/29/2008 | 13:16:39 | 0.008                     |
| 52         | 09/29/2008 | 13:21:39 | 0.006                     |
| 53         | 09/29/2008 | 13:26:39 | 0.006                     |
| 54         | 09/29/2008 | 13:31:39 | 0.007                     |
| 55         | 09/29/2008 | 13:36:39 | 0.012                     |
| 56         | 09/29/2008 | 13:41:39 | 0.011                     |
| 57         | 09/29/2008 | 13:46:39 | 0.010                     |
| 58         | 09/29/2008 | 13:51:39 | 0.014                     |
| 59         | 09/29/2008 | 13:56:39 | 0.016                     |
| 60         | 09/29/2008 | 14:01:39 | 0.017                     |
| 61         | 09/29/2008 | 14:06:39 | 0.013                     |
| 62         | 09/29/2008 | 14:11:39 | 0.013                     |
| 63         | 09/29/2008 | 14:16:39 | 0.012                     |
| 64         | 09/29/2008 | 14:21:39 | 0.013                     |
| 65         | 09/29/2008 | 14:26:39 | 0.018                     |
| 66         | 09/29/2008 | 14:31:39 | 0.024                     |
| 67         | 09/29/2008 | 14:36:39 | 0.024                     |
| 68         | 09/29/2008 | 14:41:39 | 0.018                     |
| 69         | 09/29/2008 | 14:46:39 | 0.013                     |
| 70         | 09/29/2008 | 14:51:39 | 0.012                     |
| 71         | 09/29/2008 | 14:56:39 | 0.011                     |
| 72         | 09/29/2008 | 15:01:39 | 0.011                     |

# Test 002

MW-14

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 09/29/2008  |
| Meter S/N  | 85202283  | Start Time       | 15:11:19    |
|            |           | Stop Date        | 09/29/2008  |
|            |           | Stop Time        | 16:56:19    |
|            |           | Total Time       | 0:01:45:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 09/29/2008 | 15:16:19 | 0.215                     |
| 2          | 09/29/2008 | 15:21:19 | 0.022                     |
| 3          | 09/29/2008 | 15:26:19 | 0.026                     |
| 4          | 09/29/2008 | 15:31:19 | 0.030                     |
| 5          | 09/29/2008 | 15:36:19 | 0.028                     |
| 6          | 09/29/2008 | 15:41:19 | 0.022                     |
| 7          | 09/29/2008 | 15:46:19 | 0.024                     |
| 8          | 09/29/2008 | 15:51:19 | 0.019                     |
| 9          | 09/29/2008 | 15:56:19 | 0.016                     |
| 10         | 09/29/2008 | 16:01:19 | 0.016                     |
| 11         | 09/29/2008 | 16:06:19 | 0.020                     |
| 12         | 09/29/2008 | 16:11:19 | 0.027                     |
| 13         | 09/29/2008 | 16:16:19 | 0.024                     |
| 14         | 09/29/2008 | 16:21:19 | 0.023                     |
| 15         | 09/29/2008 | 16:26:19 | 0.029                     |
| 16         | 09/29/2008 | 16:31:19 | 0.023                     |
| 17         | 09/29/2008 | 16:36:19 | 0.031                     |
| 18         | 09/29/2008 | 16:41:19 | 0.022                     |
| 19         | 09/29/2008 | 16:46:19 | 0.022                     |
| 20         | 09/29/2008 | 16:51:19 | 0.021                     |
| 21         | 09/29/2008 | 16:56:19 | 0.016                     |

# Test 003

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 10/01/2008  |
| Meter S/N  | 85202283  | Start Time       | 09:06:57    |
|            |           | Stop Date        | 10/01/2008  |
|            |           | Stop Time        | 15:56:57    |
|            |           | Total Time       | 0:06:50:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 10/01/2008 | 09:11:57 | 0.020                     |
| 2          | 10/01/2008 | 09:16:57 | 0.023                     |
| 3          | 10/01/2008 | 09:21:57 | 0.021                     |
| 4          | 10/01/2008 | 09:26:57 | 0.020                     |
| 5          | 10/01/2008 | 09:31:57 | 0.019                     |
| 6          | 10/01/2008 | 09:36:57 | 0.019                     |
| 7          | 10/01/2008 | 09:41:57 | 0.019                     |
| 8          | 10/01/2008 | 09:46:57 | 0.019                     |
| 9          | 10/01/2008 | 09:51:57 | 0.018                     |
| 10         | 10/01/2008 | 09:56:57 | 0.018                     |
| 11         | 10/01/2008 | 10:01:57 | 0.020                     |
| 12         | 10/01/2008 | 10:06:57 | 0.019                     |
| 13         | 10/01/2008 | 10:11:57 | 0.020                     |
| 14         | 10/01/2008 | 10:16:57 | 0.019                     |
| 15         | 10/01/2008 | 10:21:57 | 0.019                     |
| 16         | 10/01/2008 | 10:26:57 | 0.020                     |
| 17         | 10/01/2008 | 10:31:57 | 0.021                     |
| 18         | 10/01/2008 | 10:36:57 | 0.018                     |
| 19         | 10/01/2008 | 10:41:57 | 0.017                     |
| 20         | 10/01/2008 | 10:46:57 | 0.017                     |
| 21         | 10/01/2008 | 10:51:57 | 0.017                     |
| 22         | 10/01/2008 | 10:56:57 | 0.017                     |
| 23         | 10/01/2008 | 11:01:57 | 0.018                     |
| 24         | 10/01/2008 | 11:06:57 | 0.019                     |
| 25         | 10/01/2008 | 11:11:57 | 0.018                     |
| 26         | 10/01/2008 | 11:16:57 | 0.018                     |
| 27         | 10/01/2008 | 11:21:57 | 0.018                     |
| 28         | 10/01/2008 | 11:26:57 | 0.019                     |
| 29         | 10/01/2008 | 11:31:57 | 0.016                     |
| 30         | 10/01/2008 | 11:36:57 | 0.015                     |
| 31         | 10/01/2008 | 11:41:57 | 0.013                     |
| 32         | 10/01/2008 | 11:46:57 | 0.013                     |
| 33         | 10/01/2008 | 11:51:57 | 0.017                     |
| 34         | 10/01/2008 | 11:56:57 | 0.022                     |
| 35         | 10/01/2008 | 12:01:57 | 0.022                     |
| 36         | 10/01/2008 | 12:06:57 | 0.019                     |
| 37         | 10/01/2008 | 12:11:57 | 0.015                     |
| 38         | 10/01/2008 | 12:16:57 | 0.013                     |
| 39         | 10/01/2008 | 12:21:57 | 0.012                     |
| 40         | 10/01/2008 | 12:26:57 | 0.012                     |
| 41         | 10/01/2008 | 12:31:57 | 0.013                     |
| 42         | 10/01/2008 | 12:36:57 | 0.017                     |
| 43         | 10/01/2008 | 12:41:57 | 0.019                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 10/01/2008 | 12:46:57 | 0.020                     |
| 45         | 10/01/2008 | 12:51:57 | 0.015                     |
| 46         | 10/01/2008 | 12:56:57 | 0.011                     |
| 47         | 10/01/2008 | 13:01:57 | 0.008                     |
| 48         | 10/01/2008 | 13:06:57 | 0.010                     |
| 49         | 10/01/2008 | 13:11:57 | 0.010                     |
| 50         | 10/01/2008 | 13:16:57 | 0.010                     |
| 51         | 10/01/2008 | 13:21:57 | 0.010                     |
| 52         | 10/01/2008 | 13:26:57 | 0.009                     |
| 53         | 10/01/2008 | 13:31:57 | 0.008                     |
| 54         | 10/01/2008 | 13:36:57 | 0.007                     |
| 55         | 10/01/2008 | 13:41:57 | 0.008                     |
| 56         | 10/01/2008 | 13:46:57 | 0.010                     |
| 57         | 10/01/2008 | 13:51:57 | 0.012                     |
| 58         | 10/01/2008 | 13:56:57 | 0.009                     |
| 59         | 10/01/2008 | 14:01:57 | 0.010                     |
| 60         | 10/01/2008 | 14:06:57 | 0.011                     |
| 61         | 10/01/2008 | 14:11:57 | 0.014                     |
| 62         | 10/01/2008 | 14:16:57 | 0.014                     |
| 63         | 10/01/2008 | 14:21:57 | 0.013                     |
| 64         | 10/01/2008 | 14:26:57 | 0.009                     |
| 65         | 10/01/2008 | 14:31:57 | 0.011                     |
| 66         | 10/01/2008 | 14:36:57 | 0.009                     |
| 67         | 10/01/2008 | 14:41:57 | 0.007                     |
| 68         | 10/01/2008 | 14:46:57 | 0.006                     |
| 69         | 10/01/2008 | 14:51:57 | 0.006                     |
| 70         | 10/01/2008 | 14:56:57 | 0.007                     |
| 71         | 10/01/2008 | 15:01:57 | 0.007                     |
| 72         | 10/01/2008 | 15:06:57 | 0.006                     |
| 73         | 10/01/2008 | 15:11:57 | 0.006                     |
| 74         | 10/01/2008 | 15:16:57 | 0.005                     |
| 75         | 10/01/2008 | 15:21:57 | 0.003                     |
| 76         | 10/01/2008 | 15:26:57 | 0.004                     |
| 77         | 10/01/2008 | 15:31:57 | 0.004                     |
| 78         | 10/01/2008 | 15:36:57 | 0.004                     |
| 79         | 10/01/2008 | 15:41:57 | 0.004                     |
| 80         | 10/01/2008 | 15:46:57 | 0.004                     |
| 81         | 10/01/2008 | 15:51:57 | 0.005                     |
| 82         | 10/01/2008 | 15:56:57 | 0.008                     |

# Test 001

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 10/01/2008  |
| Meter S/N  | 16449     | Start Time       | 09:06:16    |
|            |           | Stop Date        | 10/01/2008  |
|            |           | Stop Time        | 16:01:16    |
|            |           | Total Time       | 0:06:55:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 10/01/2008 | 09:11:16 | 0.048                     |
| 2          | 10/01/2008 | 09:16:16 | 0.056                     |
| 3          | 10/01/2008 | 09:21:16 | 0.058                     |
| 4          | 10/01/2008 | 09:26:16 | 0.056                     |
| 5          | 10/01/2008 | 09:31:16 | 0.053                     |
| 6          | 10/01/2008 | 09:36:16 | 0.053                     |
| 7          | 10/01/2008 | 09:41:16 | 0.050                     |
| 8          | 10/01/2008 | 09:46:16 | 0.050                     |
| 9          | 10/01/2008 | 09:51:16 | 0.051                     |
| 10         | 10/01/2008 | 09:56:16 | 0.051                     |
| 11         | 10/01/2008 | 10:01:16 | 0.052                     |
| 12         | 10/01/2008 | 10:06:16 | 0.055                     |
| 13         | 10/01/2008 | 10:11:16 | 0.053                     |
| 14         | 10/01/2008 | 10:16:16 | 0.059                     |
| 15         | 10/01/2008 | 10:21:16 | 0.084                     |
| 16         | 10/01/2008 | 10:26:16 | 0.049                     |
| 17         | 10/01/2008 | 10:31:16 | 0.052                     |
| 18         | 10/01/2008 | 10:36:16 | 0.055                     |
| 19         | 10/01/2008 | 10:41:16 | 0.048                     |
| 20         | 10/01/2008 | 10:46:16 | 0.045                     |
| 21         | 10/01/2008 | 10:51:16 | 0.046                     |
| 22         | 10/01/2008 | 10:56:16 | 0.063                     |
| 23         | 10/01/2008 | 11:01:16 | 0.076                     |
| 24         | 10/01/2008 | 11:06:16 | 0.051                     |
| 25         | 10/01/2008 | 11:11:16 | 0.050                     |
| 26         | 10/01/2008 | 11:16:16 | 0.047                     |
| 27         | 10/01/2008 | 11:21:16 | 0.047                     |
| 28         | 10/01/2008 | 11:26:16 | 0.052                     |
| 29         | 10/01/2008 | 11:31:16 | 0.068                     |
| 30         | 10/01/2008 | 11:36:16 | 0.051                     |
| 31         | 10/01/2008 | 11:41:16 | 0.039                     |
| 32         | 10/01/2008 | 11:46:16 | 0.037                     |
| 33         | 10/01/2008 | 11:51:16 | 0.037                     |
| 34         | 10/01/2008 | 11:56:16 | 0.042                     |
| 35         | 10/01/2008 | 12:01:16 | 0.050                     |
| 36         | 10/01/2008 | 12:06:16 | 0.051                     |
| 37         | 10/01/2008 | 12:11:16 | 0.051                     |
| 38         | 10/01/2008 | 12:16:16 | 0.036                     |
| 39         | 10/01/2008 | 12:21:16 | 0.034                     |
| 40         | 10/01/2008 | 12:26:16 | 0.031                     |
| 41         | 10/01/2008 | 12:31:16 | 0.041                     |
| 42         | 10/01/2008 | 12:36:16 | 0.062                     |
| 43         | 10/01/2008 | 12:41:16 | 0.051                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 10/01/2008 | 12:46:16 | 0.054                     |
| 45         | 10/01/2008 | 12:51:16 | 0.056                     |
| 46         | 10/01/2008 | 12:56:16 | 0.042                     |
| 47         | 10/01/2008 | 13:01:16 | 0.026                     |
| 48         | 10/01/2008 | 13:06:16 | 0.027                     |
| 49         | 10/01/2008 | 13:11:16 | 0.030                     |
| 50         | 10/01/2008 | 13:16:16 | 0.029                     |
| 51         | 10/01/2008 | 13:21:16 | 0.028                     |
| 52         | 10/01/2008 | 13:26:16 | 0.027                     |
| 53         | 10/01/2008 | 13:31:16 | 0.023                     |
| 54         | 10/01/2008 | 13:36:16 | 0.021                     |
| 55         | 10/01/2008 | 13:41:16 | 0.020                     |
| 56         | 10/01/2008 | 13:46:16 | 0.024                     |
| 57         | 10/01/2008 | 13:51:16 | 0.026                     |
| 58         | 10/01/2008 | 13:56:16 | 0.027                     |
| 59         | 10/01/2008 | 14:01:16 | 0.026                     |
| 60         | 10/01/2008 | 14:06:16 | 0.030                     |
| 61         | 10/01/2008 | 14:11:16 | 0.035                     |
| 62         | 10/01/2008 | 14:16:16 | 0.036                     |
| 63         | 10/01/2008 | 14:21:16 | 0.059                     |
| 64         | 10/01/2008 | 14:26:16 | 0.045                     |
| 65         | 10/01/2008 | 14:31:16 | 0.033                     |
| 66         | 10/01/2008 | 14:36:16 | 0.052                     |
| 67         | 10/01/2008 | 14:41:16 | 0.031                     |
| 68         | 10/01/2008 | 14:46:16 | 0.024                     |
| 69         | 10/01/2008 | 14:51:16 | 0.017                     |
| 70         | 10/01/2008 | 14:56:16 | 0.020                     |
| 71         | 10/01/2008 | 15:01:16 | 0.019                     |
| 72         | 10/01/2008 | 15:06:16 | 0.019                     |
| 73         | 10/01/2008 | 15:11:16 | 0.017                     |
| 74         | 10/01/2008 | 15:16:16 | 0.017                     |
| 75         | 10/01/2008 | 15:21:16 | 0.017                     |
| 76         | 10/01/2008 | 15:26:16 | 0.011                     |
| 77         | 10/01/2008 | 15:31:16 | 0.012                     |
| 78         | 10/01/2008 | 15:36:16 | 0.012                     |
| 79         | 10/01/2008 | 15:41:16 | 0.012                     |
| 80         | 10/01/2008 | 15:46:16 | 0.012                     |
| 81         | 10/01/2008 | 15:51:16 | 0.011                     |
| 82         | 10/01/2008 | 15:56:16 | 0.014                     |
| 83         | 10/01/2008 | 16:01:16 | 0.019                     |

# Test 004

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 10/02/2008  |
| Meter S/N  | 85202283  | Start Time       | 08:44:24    |
|            |           | Stop Date        | 10/02/2008  |
|            |           | Stop Time        | 15:24:24    |
|            |           | Total Time       | 0:06:40:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 10/02/2008 | 08:49:24 | 0.018                     |
| 2          | 10/02/2008 | 08:54:24 | 0.016                     |
| 3          | 10/02/2008 | 08:59:24 | 0.016                     |
| 4          | 10/02/2008 | 09:04:24 | 0.016                     |
| 5          | 10/02/2008 | 09:09:24 | 0.015                     |
| 6          | 10/02/2008 | 09:14:24 | 0.015                     |
| 7          | 10/02/2008 | 09:19:24 | 0.014                     |
| 8          | 10/02/2008 | 09:24:24 | 0.015                     |
| 9          | 10/02/2008 | 09:29:24 | 0.014                     |
| 10         | 10/02/2008 | 09:34:24 | 0.013                     |
| 11         | 10/02/2008 | 09:39:24 | 0.012                     |
| 12         | 10/02/2008 | 09:44:24 | 0.033                     |
| 13         | 10/02/2008 | 09:49:24 | 0.008                     |
| 14         | 10/02/2008 | 09:54:24 | 0.006                     |
| 15         | 10/02/2008 | 09:59:24 | 0.005                     |
| 16         | 10/02/2008 | 10:04:24 | 0.005                     |
| 17         | 10/02/2008 | 10:09:24 | 0.005                     |
| 18         | 10/02/2008 | 10:14:24 | 0.006                     |
| 19         | 10/02/2008 | 10:19:24 | 0.005                     |
| 20         | 10/02/2008 | 10:24:24 | 0.006                     |
| 21         | 10/02/2008 | 10:29:24 | 0.005                     |
| 22         | 10/02/2008 | 10:34:24 | 0.005                     |
| 23         | 10/02/2008 | 10:39:24 | 0.004                     |
| 24         | 10/02/2008 | 10:44:24 | 0.004                     |
| 25         | 10/02/2008 | 10:49:24 | 0.009                     |
| 26         | 10/02/2008 | 10:54:24 | 0.003                     |
| 27         | 10/02/2008 | 10:59:24 | 0.003                     |
| 28         | 10/02/2008 | 11:04:24 | 0.003                     |
| 29         | 10/02/2008 | 11:09:24 | 0.003                     |
| 30         | 10/02/2008 | 11:14:24 | 0.003                     |
| 31         | 10/02/2008 | 11:19:24 | 0.003                     |
| 32         | 10/02/2008 | 11:24:24 | 0.003                     |
| 33         | 10/02/2008 | 11:29:24 | 0.005                     |
| 34         | 10/02/2008 | 11:34:24 | 0.003                     |
| 35         | 10/02/2008 | 11:39:24 | 0.003                     |
| 36         | 10/02/2008 | 11:44:24 | 0.003                     |
| 37         | 10/02/2008 | 11:49:24 | 0.003                     |
| 38         | 10/02/2008 | 11:54:24 | 0.003                     |
| 39         | 10/02/2008 | 11:59:24 | 0.003                     |
| 40         | 10/02/2008 | 12:04:24 | 0.004                     |
| 41         | 10/02/2008 | 12:09:24 | 0.003                     |
| 42         | 10/02/2008 | 12:14:24 | 0.002                     |
| 43         | 10/02/2008 | 12:19:24 | 0.003                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 10/02/2008 | 12:24:24 | 0.003                     |
| 45         | 10/02/2008 | 12:29:24 | 0.004                     |
| 46         | 10/02/2008 | 12:34:24 | 0.004                     |
| 47         | 10/02/2008 | 12:39:24 | 0.003                     |
| 48         | 10/02/2008 | 12:44:24 | 0.003                     |
| 49         | 10/02/2008 | 12:49:24 | 0.004                     |
| 50         | 10/02/2008 | 12:54:24 | 0.003                     |
| 51         | 10/02/2008 | 12:59:24 | 0.003                     |
| 52         | 10/02/2008 | 13:04:24 | 0.004                     |
| 53         | 10/02/2008 | 13:09:24 | 0.003                     |
| 54         | 10/02/2008 | 13:14:24 | 0.003                     |
| 55         | 10/02/2008 | 13:19:24 | 0.003                     |
| 56         | 10/02/2008 | 13:24:24 | 0.003                     |
| 57         | 10/02/2008 | 13:29:24 | 0.003                     |
| 58         | 10/02/2008 | 13:34:24 | 0.002                     |
| 59         | 10/02/2008 | 13:39:24 | 0.002                     |
| 60         | 10/02/2008 | 13:44:24 | 0.003                     |
| 61         | 10/02/2008 | 13:49:24 | 0.003                     |
| 62         | 10/02/2008 | 13:54:24 | 0.003                     |
| 63         | 10/02/2008 | 13:59:24 | 0.003                     |
| 64         | 10/02/2008 | 14:04:24 | 0.003                     |
| 65         | 10/02/2008 | 14:09:24 | 0.004                     |
| 66         | 10/02/2008 | 14:14:24 | 0.003                     |
| 67         | 10/02/2008 | 14:19:24 | 0.003                     |
| 68         | 10/02/2008 | 14:24:24 | 0.004                     |
| 69         | 10/02/2008 | 14:29:24 | 0.004                     |
| 70         | 10/02/2008 | 14:34:24 | 0.004                     |
| 71         | 10/02/2008 | 14:39:24 | 0.003                     |
| 72         | 10/02/2008 | 14:44:24 | 0.004                     |
| 73         | 10/02/2008 | 14:49:24 | 0.004                     |
| 74         | 10/02/2008 | 14:54:24 | 0.004                     |
| 75         | 10/02/2008 | 14:59:24 | 0.006                     |
| 76         | 10/02/2008 | 15:04:24 | 0.004                     |
| 77         | 10/02/2008 | 15:09:24 | 0.003                     |
| 78         | 10/02/2008 | 15:14:24 | 0.003                     |
| 79         | 10/02/2008 | 15:19:24 | 0.003                     |
| 80         | 10/02/2008 | 15:24:24 | 0.005                     |



# Test 002

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 10/02/2008  |
| Meter S/N  | 16449     | Start Time       | 08:50:41    |
|            |           | Stop Date        | 10/02/2008  |
|            |           | Stop Time        | 15:20:41    |
|            |           | Total Time       | 0:06:30:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 10/02/2008 | 08:55:41 | 0.262                     |
| 2          | 10/02/2008 | 09:00:41 | 0.122                     |
| 3          | 10/02/2008 | 09:05:41 | 0.072                     |
| 4          | 10/02/2008 | 09:10:41 | 0.071                     |
| 5          | 10/02/2008 | 09:15:41 | 0.053                     |
| 6          | 10/02/2008 | 09:20:41 | 0.055                     |
| 7          | 10/02/2008 | 09:25:41 | 0.066                     |
| 8          | 10/02/2008 | 09:30:41 | 0.063                     |
| 9          | 10/02/2008 | 09:35:41 | 0.049                     |
| 10         | 10/02/2008 | 09:40:41 | 0.050                     |
| 11         | 10/02/2008 | 09:45:41 | 0.045                     |
| 12         | 10/02/2008 | 09:50:41 | 0.045                     |
| 13         | 10/02/2008 | 09:55:41 | 0.031                     |
| 14         | 10/02/2008 | 10:00:41 | 0.031                     |
| 15         | 10/02/2008 | 10:05:41 | 0.034                     |
| 16         | 10/02/2008 | 10:10:41 | 0.027                     |
| 17         | 10/02/2008 | 10:15:41 | 0.034                     |
| 18         | 10/02/2008 | 10:20:41 | 0.026                     |
| 19         | 10/02/2008 | 10:25:41 | 0.035                     |
| 20         | 10/02/2008 | 10:30:41 | 0.028                     |
| 21         | 10/02/2008 | 10:35:41 | 0.026                     |
| 22         | 10/02/2008 | 10:40:41 | 0.026                     |
| 23         | 10/02/2008 | 10:45:41 | 0.020                     |
| 24         | 10/02/2008 | 10:50:41 | 0.015                     |
| 25         | 10/02/2008 | 10:55:41 | 0.015                     |
| 26         | 10/02/2008 | 11:00:41 | 0.015                     |
| 27         | 10/02/2008 | 11:05:41 | 0.015                     |
| 28         | 10/02/2008 | 11:10:41 | 0.022                     |
| 29         | 10/02/2008 | 11:15:41 | 0.019                     |
| 30         | 10/02/2008 | 11:20:41 | 0.014                     |
| 31         | 10/02/2008 | 11:25:41 | 0.013                     |
| 32         | 10/02/2008 | 11:30:41 | 0.014                     |
| 33         | 10/02/2008 | 11:35:41 | 0.025                     |
| 34         | 10/02/2008 | 11:40:41 | 0.021                     |
| 35         | 10/02/2008 | 11:45:41 | 0.021                     |
| 36         | 10/02/2008 | 11:50:41 | 0.019                     |
| 37         | 10/02/2008 | 11:55:41 | 0.019                     |
| 38         | 10/02/2008 | 12:00:41 | 0.019                     |
| 39         | 10/02/2008 | 12:05:41 | 0.027                     |
| 40         | 10/02/2008 | 12:10:41 | 0.023                     |
| 41         | 10/02/2008 | 12:15:41 | 0.018                     |
| 42         | 10/02/2008 | 12:20:41 | 0.016                     |
| 43         | 10/02/2008 | 12:25:41 | 0.013                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 10/02/2008 | 12:30:41 | 0.016                     |
| 45         | 10/02/2008 | 12:35:41 | 0.016                     |
| 46         | 10/02/2008 | 12:40:41 | 0.012                     |
| 47         | 10/02/2008 | 12:45:41 | 0.012                     |
| 48         | 10/02/2008 | 12:50:41 | 0.014                     |
| 49         | 10/02/2008 | 12:55:41 | 0.012                     |
| 50         | 10/02/2008 | 13:00:41 | 0.011                     |
| 51         | 10/02/2008 | 13:05:41 | 0.026                     |
| 52         | 10/02/2008 | 13:10:41 | 0.023                     |
| 53         | 10/02/2008 | 13:15:41 | 0.019                     |
| 54         | 10/02/2008 | 13:20:41 | 0.014                     |
| 55         | 10/02/2008 | 13:25:41 | 0.015                     |
| 56         | 10/02/2008 | 13:30:41 | 0.012                     |
| 57         | 10/02/2008 | 13:35:41 | 0.016                     |
| 58         | 10/02/2008 | 13:40:41 | 0.015                     |
| 59         | 10/02/2008 | 13:45:41 | 0.010                     |
| 60         | 10/02/2008 | 13:50:41 | 0.010                     |
| 61         | 10/02/2008 | 13:55:41 | 0.012                     |
| 62         | 10/02/2008 | 14:00:41 | 0.010                     |
| 63         | 10/02/2008 | 14:05:41 | 0.011                     |
| 64         | 10/02/2008 | 14:10:41 | 0.011                     |
| 65         | 10/02/2008 | 14:15:41 | 0.010                     |
| 66         | 10/02/2008 | 14:20:41 | 0.010                     |
| 67         | 10/02/2008 | 14:25:41 | 0.012                     |
| 68         | 10/02/2008 | 14:30:41 | 0.012                     |
| 69         | 10/02/2008 | 14:35:41 | 0.012                     |
| 70         | 10/02/2008 | 14:40:41 | 0.009                     |
| 71         | 10/02/2008 | 14:45:41 | 0.009                     |
| 72         | 10/02/2008 | 14:50:41 | 0.012                     |
| 73         | 10/02/2008 | 14:55:41 | 0.012                     |
| 74         | 10/02/2008 | 15:00:41 | 0.015                     |
| 75         | 10/02/2008 | 15:05:41 | 0.011                     |
| 76         | 10/02/2008 | 15:10:41 | 0.010                     |
| 77         | 10/02/2008 | 15:15:41 | 0.011                     |
| 78         | 10/02/2008 | 15:20:41 | 0.010                     |

# Test 001

| Instrument |           | Data Properties  |            |
|------------|-----------|------------------|------------|
| Model      | Dust Trak | Start Date       | 03/17/2011 |
| Meter S/N  | 85200174  | Start Time       | 09:07:00   |
|            |           | Stop Date        | 03/17/2011 |
|            |           | Stop Time        | 12:09:00   |
|            |           | Total Time       | 0:03:02:00 |
|            |           | Logging Interval | 60 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 03/17/2011 | 09:08:00 | 0.061                     |
| 2          | 03/17/2011 | 09:09:00 | 0.059                     |
| 3          | 03/17/2011 | 09:10:00 | 0.059                     |
| 4          | 03/17/2011 | 09:11:00 | 0.058                     |
| 5          | 03/17/2011 | 09:12:00 | 0.059                     |
| 6          | 03/17/2011 | 09:13:00 | 0.059                     |
| 7          | 03/17/2011 | 09:14:00 | 0.059                     |
| 8          | 03/17/2011 | 09:15:00 | 0.059                     |
| 9          | 03/17/2011 | 09:16:00 | 0.059                     |
| 10         | 03/17/2011 | 09:17:00 | 0.059                     |
| 11         | 03/17/2011 | 09:18:00 | 0.059                     |
| 12         | 03/17/2011 | 09:19:00 | 0.059                     |
| 13         | 03/17/2011 | 09:20:00 | 0.060                     |
| 14         | 03/17/2011 | 09:21:00 | 0.060                     |
| 15         | 03/17/2011 | 09:22:00 | 0.058                     |
| 16         | 03/17/2011 | 09:23:00 | 0.058                     |
| 17         | 03/17/2011 | 09:24:00 | 0.059                     |
| 18         | 03/17/2011 | 09:25:00 | 0.058                     |
| 19         | 03/17/2011 | 09:26:00 | 0.058                     |
| 20         | 03/17/2011 | 09:27:00 | 0.059                     |
| 21         | 03/17/2011 | 09:28:00 | 0.059                     |
| 22         | 03/17/2011 | 09:29:00 | 0.058                     |
| 23         | 03/17/2011 | 09:30:00 | 0.058                     |
| 24         | 03/17/2011 | 09:31:00 | 0.059                     |
| 25         | 03/17/2011 | 09:32:00 | 0.059                     |
| 26         | 03/17/2011 | 09:33:00 | 0.059                     |
| 27         | 03/17/2011 | 09:34:00 | 0.059                     |
| 28         | 03/17/2011 | 09:35:00 | 0.059                     |
| 29         | 03/17/2011 | 09:36:00 | 0.059                     |
| 30         | 03/17/2011 | 09:37:00 | 0.059                     |
| 31         | 03/17/2011 | 09:38:00 | 0.059                     |
| 32         | 03/17/2011 | 09:39:00 | 0.059                     |
| 33         | 03/17/2011 | 09:40:00 | 0.059                     |
| 34         | 03/17/2011 | 09:41:00 | 0.059                     |
| 35         | 03/17/2011 | 09:42:00 | 0.059                     |
| 36         | 03/17/2011 | 09:43:00 | 0.058                     |
| 37         | 03/17/2011 | 09:44:00 | 0.059                     |
| 38         | 03/17/2011 | 09:45:00 | 0.058                     |
| 39         | 03/17/2011 | 09:46:00 | 0.058                     |
| 40         | 03/17/2011 | 09:47:00 | 0.058                     |
| 41         | 03/17/2011 | 09:48:00 | 0.058                     |
| 42         | 03/17/2011 | 09:49:00 | 0.058                     |
| 43         | 03/17/2011 | 09:50:00 | 0.058                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 03/17/2011 | 09:51:00 | 0.059                     |
| 45         | 03/17/2011 | 09:52:00 | 0.059                     |
| 46         | 03/17/2011 | 09:53:00 | 0.058                     |
| 47         | 03/17/2011 | 09:54:00 | 0.058                     |
| 48         | 03/17/2011 | 09:55:00 | 0.058                     |
| 49         | 03/17/2011 | 09:56:00 | 0.058                     |
| 50         | 03/17/2011 | 09:57:00 | 0.059                     |
| 51         | 03/17/2011 | 09:58:00 | 0.058                     |
| 52         | 03/17/2011 | 09:59:00 | 0.057                     |
| 53         | 03/17/2011 | 10:00:00 | 0.059                     |
| 54         | 03/17/2011 | 10:01:00 | 0.058                     |
| 55         | 03/17/2011 | 10:02:00 | 0.058                     |
| 56         | 03/17/2011 | 10:03:00 | 0.059                     |
| 57         | 03/17/2011 | 10:04:00 | 0.058                     |
| 58         | 03/17/2011 | 10:05:00 | 0.058                     |
| 59         | 03/17/2011 | 10:06:00 | 0.059                     |
| 60         | 03/17/2011 | 10:07:00 | 0.059                     |
| 61         | 03/17/2011 | 10:08:00 | 0.059                     |
| 62         | 03/17/2011 | 10:09:00 | 0.058                     |
| 63         | 03/17/2011 | 10:10:00 | 0.058                     |
| 64         | 03/17/2011 | 10:11:00 | 0.058                     |
| 65         | 03/17/2011 | 10:12:00 | 0.058                     |
| 66         | 03/17/2011 | 10:13:00 | 0.059                     |
| 67         | 03/17/2011 | 10:14:00 | 0.059                     |
| 68         | 03/17/2011 | 10:15:00 | 0.058                     |
| 69         | 03/17/2011 | 10:16:00 | 0.058                     |
| 70         | 03/17/2011 | 10:17:00 | 0.058                     |
| 71         | 03/17/2011 | 10:18:00 | 0.059                     |
| 72         | 03/17/2011 | 10:19:00 | 0.058                     |
| 73         | 03/17/2011 | 10:20:00 | 0.058                     |
| 74         | 03/17/2011 | 10:21:00 | 0.058                     |
| 75         | 03/17/2011 | 10:22:00 | 0.058                     |
| 76         | 03/17/2011 | 10:23:00 | 0.058                     |
| 77         | 03/17/2011 | 10:24:00 | 0.058                     |
| 78         | 03/17/2011 | 10:25:00 | 0.059                     |
| 79         | 03/17/2011 | 10:26:00 | 0.059                     |
| 80         | 03/17/2011 | 10:27:00 | 0.059                     |
| 81         | 03/17/2011 | 10:28:00 | 0.058                     |
| 82         | 03/17/2011 | 10:29:00 | 0.057                     |
| 83         | 03/17/2011 | 10:30:00 | 0.057                     |
| 84         | 03/17/2011 | 10:31:00 | 0.057                     |
| 85         | 03/17/2011 | 10:32:00 | 0.058                     |
| 86         | 03/17/2011 | 10:33:00 | 0.057                     |
| 87         | 03/17/2011 | 10:34:00 | 0.057                     |
| 88         | 03/17/2011 | 10:35:00 | 0.058                     |
| 89         | 03/17/2011 | 10:36:00 | 0.057                     |
| 90         | 03/17/2011 | 10:37:00 | 0.057                     |
| 91         | 03/17/2011 | 10:38:00 | 0.056                     |
| 92         | 03/17/2011 | 10:39:00 | 0.057                     |
| 93         | 03/17/2011 | 10:40:00 | 0.057                     |
| 94         | 03/17/2011 | 10:41:00 | 0.056                     |
| 95         | 03/17/2011 | 10:42:00 | 0.057                     |
| 96         | 03/17/2011 | 10:43:00 | 0.056                     |
| 97         | 03/17/2011 | 10:44:00 | 0.056                     |
| 98         | 03/17/2011 | 10:45:00 | 0.056                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 99         | 03/17/2011 | 10:46:00 | 0.056                     |
| 100        | 03/17/2011 | 10:47:00 | 0.057                     |
| 101        | 03/17/2011 | 10:48:00 | 0.056                     |
| 102        | 03/17/2011 | 10:49:00 | 0.055                     |
| 103        | 03/17/2011 | 10:50:00 | 0.056                     |
| 104        | 03/17/2011 | 10:51:00 | 0.056                     |
| 105        | 03/17/2011 | 10:52:00 | 0.056                     |
| 106        | 03/17/2011 | 10:53:00 | 0.056                     |
| 107        | 03/17/2011 | 10:54:00 | 0.056                     |
| 108        | 03/17/2011 | 10:55:00 | 0.057                     |
| 109        | 03/17/2011 | 10:56:00 | 0.056                     |
| 110        | 03/17/2011 | 10:57:00 | 0.056                     |
| 111        | 03/17/2011 | 10:58:00 | 0.055                     |
| 112        | 03/17/2011 | 10:59:00 | 0.055                     |
| 113        | 03/17/2011 | 11:00:00 | 0.056                     |
| 114        | 03/17/2011 | 11:01:00 | 0.057                     |
| 115        | 03/17/2011 | 11:02:00 | 0.055                     |
| 116        | 03/17/2011 | 11:03:00 | 0.056                     |
| 117        | 03/17/2011 | 11:04:00 | 0.056                     |
| 118        | 03/17/2011 | 11:05:00 | 0.056                     |
| 119        | 03/17/2011 | 11:06:00 | 0.055                     |
| 120        | 03/17/2011 | 11:07:00 | 0.055                     |
| 121        | 03/17/2011 | 11:08:00 | 0.055                     |
| 122        | 03/17/2011 | 11:09:00 | 0.054                     |
| 123        | 03/17/2011 | 11:10:00 | 0.054                     |
| 124        | 03/17/2011 | 11:11:00 | 0.054                     |
| 125        | 03/17/2011 | 11:12:00 | 0.054                     |
| 126        | 03/17/2011 | 11:13:00 | 0.054                     |
| 127        | 03/17/2011 | 11:14:00 | 0.054                     |
| 128        | 03/17/2011 | 11:15:00 | 0.054                     |
| 129        | 03/17/2011 | 11:16:00 | 0.054                     |
| 130        | 03/17/2011 | 11:17:00 | 0.055                     |
| 131        | 03/17/2011 | 11:18:00 | 0.055                     |
| 132        | 03/17/2011 | 11:19:00 | 0.054                     |
| 133        | 03/17/2011 | 11:20:00 | 0.054                     |
| 134        | 03/17/2011 | 11:21:00 | 0.055                     |
| 135        | 03/17/2011 | 11:22:00 | 0.054                     |
| 136        | 03/17/2011 | 11:23:00 | 0.054                     |
| 137        | 03/17/2011 | 11:24:00 | 0.054                     |
| 138        | 03/17/2011 | 11:25:00 | 0.054                     |
| 139        | 03/17/2011 | 11:26:00 | 0.054                     |
| 140        | 03/17/2011 | 11:27:00 | 0.054                     |
| 141        | 03/17/2011 | 11:28:00 | 0.054                     |
| 142        | 03/17/2011 | 11:29:00 | 0.053                     |
| 143        | 03/17/2011 | 11:30:00 | 0.053                     |
| 144        | 03/17/2011 | 11:31:00 | 0.053                     |
| 145        | 03/17/2011 | 11:32:00 | 0.054                     |
| 146        | 03/17/2011 | 11:33:00 | 0.054                     |
| 147        | 03/17/2011 | 11:34:00 | 0.053                     |
| 148        | 03/17/2011 | 11:35:00 | 0.054                     |
| 149        | 03/17/2011 | 11:36:00 | 0.054                     |
| 150        | 03/17/2011 | 11:37:00 | 0.054                     |
| 151        | 03/17/2011 | 11:38:00 | 0.054                     |
| 152        | 03/17/2011 | 11:39:00 | 0.054                     |
| 153        | 03/17/2011 | 11:40:00 | 0.054                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 154        | 03/17/2011 | 11:41:00 | 0.054                     |
| 155        | 03/17/2011 | 11:42:00 | 0.054                     |
| 156        | 03/17/2011 | 11:43:00 | 0.054                     |
| 157        | 03/17/2011 | 11:44:00 | 0.054                     |
| 158        | 03/17/2011 | 11:45:00 | 0.054                     |
| 159        | 03/17/2011 | 11:46:00 | 0.054                     |
| 160        | 03/17/2011 | 11:47:00 | 0.053                     |
| 161        | 03/17/2011 | 11:48:00 | 0.052                     |
| 162        | 03/17/2011 | 11:49:00 | 0.054                     |
| 163        | 03/17/2011 | 11:50:00 | 0.053                     |
| 164        | 03/17/2011 | 11:51:00 | 0.055                     |
| 165        | 03/17/2011 | 11:52:00 | 0.053                     |
| 166        | 03/17/2011 | 11:53:00 | 0.053                     |
| 167        | 03/17/2011 | 11:54:00 | 0.053                     |
| 168        | 03/17/2011 | 11:55:00 | 0.053                     |
| 169        | 03/17/2011 | 11:56:00 | 0.054                     |
| 170        | 03/17/2011 | 11:57:00 | 0.053                     |
| 171        | 03/17/2011 | 11:58:00 | 0.054                     |
| 172        | 03/17/2011 | 11:59:00 | 0.053                     |
| 173        | 03/17/2011 | 12:00:00 | 0.053                     |
| 174        | 03/17/2011 | 12:01:00 | 0.053                     |
| 175        | 03/17/2011 | 12:02:00 | 0.054                     |
| 176        | 03/17/2011 | 12:03:00 | 0.053                     |
| 177        | 03/17/2011 | 12:04:00 | 0.053                     |
| 178        | 03/17/2011 | 12:05:00 | 0.052                     |
| 179        | 03/17/2011 | 12:06:00 | 0.053                     |
| 180        | 03/17/2011 | 12:07:00 | 0.053                     |
| 181        | 03/17/2011 | 12:08:00 | 0.054                     |
| 182        | 03/17/2011 | 12:09:00 | 0.053                     |

# Test 002

| Instrument |           | Data Properties  |            |
|------------|-----------|------------------|------------|
| Model      | Dust Trak | Start Date       | 03/17/2011 |
| Meter S/N  | 85200174  | Start Time       | 12:10:09   |
|            |           | Stop Date        | 03/17/2011 |
|            |           | Stop Time        | 16:41:09   |
|            |           | Total Time       | 0:04:31:00 |
|            |           | Logging Interval | 60 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 03/17/2011 | 12:11:09 | 0.053                     |
| 2          | 03/17/2011 | 12:12:09 | 0.053                     |
| 3          | 03/17/2011 | 12:13:09 | 0.054                     |
| 4          | 03/17/2011 | 12:14:09 | 0.055                     |
| 5          | 03/17/2011 | 12:15:09 | 0.054                     |
| 6          | 03/17/2011 | 12:16:09 | 0.053                     |
| 7          | 03/17/2011 | 12:17:09 | 0.053                     |
| 8          | 03/17/2011 | 12:18:09 | 0.053                     |
| 9          | 03/17/2011 | 12:19:09 | 0.053                     |
| 10         | 03/17/2011 | 12:20:09 | 0.053                     |
| 11         | 03/17/2011 | 12:21:09 | 0.052                     |
| 12         | 03/17/2011 | 12:22:09 | 0.053                     |
| 13         | 03/17/2011 | 12:23:09 | 0.054                     |
| 14         | 03/17/2011 | 12:24:09 | 0.054                     |
| 15         | 03/17/2011 | 12:25:09 | 0.053                     |
| 16         | 03/17/2011 | 12:26:09 | 0.052                     |
| 17         | 03/17/2011 | 12:27:09 | 0.053                     |
| 18         | 03/17/2011 | 12:28:09 | 0.052                     |
| 19         | 03/17/2011 | 12:29:09 | 0.052                     |
| 20         | 03/17/2011 | 12:30:09 | 0.053                     |
| 21         | 03/17/2011 | 12:31:09 | 0.052                     |
| 22         | 03/17/2011 | 12:32:09 | 0.051                     |
| 23         | 03/17/2011 | 12:33:09 | 0.051                     |
| 24         | 03/17/2011 | 12:34:09 | 0.051                     |
| 25         | 03/17/2011 | 12:35:09 | 0.052                     |
| 26         | 03/17/2011 | 12:36:09 | 0.051                     |
| 27         | 03/17/2011 | 12:37:09 | 0.051                     |
| 28         | 03/17/2011 | 12:38:09 | 0.051                     |
| 29         | 03/17/2011 | 12:39:09 | 0.052                     |
| 30         | 03/17/2011 | 12:40:09 | 0.050                     |
| 31         | 03/17/2011 | 12:41:09 | 0.051                     |
| 32         | 03/17/2011 | 12:42:09 | 0.052                     |
| 33         | 03/17/2011 | 12:43:09 | 0.050                     |
| 34         | 03/17/2011 | 12:44:09 | 0.050                     |
| 35         | 03/17/2011 | 12:45:09 | 0.051                     |
| 36         | 03/17/2011 | 12:46:09 | 0.050                     |
| 37         | 03/17/2011 | 12:47:09 | 0.050                     |
| 38         | 03/17/2011 | 12:48:09 | 0.050                     |
| 39         | 03/17/2011 | 12:49:09 | 0.050                     |
| 40         | 03/17/2011 | 12:50:09 | 0.050                     |
| 41         | 03/17/2011 | 12:51:09 | 0.050                     |
| 42         | 03/17/2011 | 12:52:09 | 0.049                     |
| 43         | 03/17/2011 | 12:53:09 | 0.049                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 03/17/2011 | 12:54:09 | 0.050                     |
| 45         | 03/17/2011 | 12:55:09 | 0.050                     |
| 46         | 03/17/2011 | 12:56:09 | 0.049                     |
| 47         | 03/17/2011 | 12:57:09 | 0.049                     |
| 48         | 03/17/2011 | 12:58:09 | 0.048                     |
| 49         | 03/17/2011 | 12:59:09 | 0.048                     |
| 50         | 03/17/2011 | 13:00:09 | 0.050                     |
| 51         | 03/17/2011 | 13:01:09 | 0.048                     |
| 52         | 03/17/2011 | 13:02:09 | 0.048                     |
| 53         | 03/17/2011 | 13:03:09 | 0.048                     |
| 54         | 03/17/2011 | 13:04:09 | 0.048                     |
| 55         | 03/17/2011 | 13:05:09 | 0.048                     |
| 56         | 03/17/2011 | 13:06:09 | 0.047                     |
| 57         | 03/17/2011 | 13:07:09 | 0.049                     |
| 58         | 03/17/2011 | 13:08:09 | 0.048                     |
| 59         | 03/17/2011 | 13:09:09 | 0.047                     |
| 60         | 03/17/2011 | 13:10:09 | 0.047                     |
| 61         | 03/17/2011 | 13:11:09 | 0.048                     |
| 62         | 03/17/2011 | 13:12:09 | 0.048                     |
| 63         | 03/17/2011 | 13:13:09 | 0.048                     |
| 64         | 03/17/2011 | 13:14:09 | 0.049                     |
| 65         | 03/17/2011 | 13:15:09 | 0.046                     |
| 66         | 03/17/2011 | 13:16:09 | 0.046                     |
| 67         | 03/17/2011 | 13:17:09 | 0.046                     |
| 68         | 03/17/2011 | 13:18:09 | 0.046                     |
| 69         | 03/17/2011 | 13:19:09 | 0.046                     |
| 70         | 03/17/2011 | 13:20:09 | 0.047                     |
| 71         | 03/17/2011 | 13:21:09 | 0.046                     |
| 72         | 03/17/2011 | 13:22:09 | 0.046                     |
| 73         | 03/17/2011 | 13:23:09 | 0.046                     |
| 74         | 03/17/2011 | 13:24:09 | 0.046                     |
| 75         | 03/17/2011 | 13:25:09 | 0.046                     |
| 76         | 03/17/2011 | 13:26:09 | 0.046                     |
| 77         | 03/17/2011 | 13:27:09 | 0.046                     |
| 78         | 03/17/2011 | 13:28:09 | 0.045                     |
| 79         | 03/17/2011 | 13:29:09 | 0.045                     |
| 80         | 03/17/2011 | 13:30:09 | 0.045                     |
| 81         | 03/17/2011 | 13:31:09 | 0.045                     |
| 82         | 03/17/2011 | 13:32:09 | 0.044                     |
| 83         | 03/17/2011 | 13:33:09 | 0.044                     |
| 84         | 03/17/2011 | 13:34:09 | 0.044                     |
| 85         | 03/17/2011 | 13:35:09 | 0.045                     |
| 86         | 03/17/2011 | 13:36:09 | 0.044                     |
| 87         | 03/17/2011 | 13:37:09 | 0.044                     |
| 88         | 03/17/2011 | 13:38:09 | 0.044                     |
| 89         | 03/17/2011 | 13:39:09 | 0.043                     |
| 90         | 03/17/2011 | 13:40:09 | 0.044                     |
| 91         | 03/17/2011 | 13:41:09 | 0.043                     |
| 92         | 03/17/2011 | 13:42:09 | 0.042                     |
| 93         | 03/17/2011 | 13:43:09 | 0.041                     |
| 94         | 03/17/2011 | 13:44:09 | 0.041                     |
| 95         | 03/17/2011 | 13:45:09 | 0.040                     |
| 96         | 03/17/2011 | 13:46:09 | 0.040                     |
| 97         | 03/17/2011 | 13:47:09 | 0.043                     |
| 98         | 03/17/2011 | 13:48:09 | 0.046                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 99         | 03/17/2011 | 13:49:09 | 0.044                     |
| 100        | 03/17/2011 | 13:50:09 | 0.042                     |
| 101        | 03/17/2011 | 13:51:09 | 0.041                     |
| 102        | 03/17/2011 | 13:52:09 | 0.042                     |
| 103        | 03/17/2011 | 13:53:09 | 0.042                     |
| 104        | 03/17/2011 | 13:54:09 | 0.042                     |
| 105        | 03/17/2011 | 13:55:09 | 0.042                     |
| 106        | 03/17/2011 | 13:56:09 | 0.043                     |
| 107        | 03/17/2011 | 13:57:09 | 0.041                     |
| 108        | 03/17/2011 | 13:58:09 | 0.041                     |
| 109        | 03/17/2011 | 13:59:09 | 0.041                     |
| 110        | 03/17/2011 | 14:00:09 | 0.039                     |
| 111        | 03/17/2011 | 14:01:09 | 0.040                     |
| 112        | 03/17/2011 | 14:02:09 | 0.040                     |
| 113        | 03/17/2011 | 14:03:09 | 0.040                     |
| 114        | 03/17/2011 | 14:04:09 | 0.039                     |
| 115        | 03/17/2011 | 14:05:09 | 0.039                     |
| 116        | 03/17/2011 | 14:06:09 | 0.039                     |
| 117        | 03/17/2011 | 14:07:09 | 0.039                     |
| 118        | 03/17/2011 | 14:08:09 | 0.037                     |
| 119        | 03/17/2011 | 14:09:09 | 0.037                     |
| 120        | 03/17/2011 | 14:10:09 | 0.038                     |
| 121        | 03/17/2011 | 14:11:09 | 0.037                     |
| 122        | 03/17/2011 | 14:12:09 | 0.038                     |
| 123        | 03/17/2011 | 14:13:09 | 0.039                     |
| 124        | 03/17/2011 | 14:14:09 | 0.038                     |
| 125        | 03/17/2011 | 14:15:09 | 0.037                     |
| 126        | 03/17/2011 | 14:16:09 | 0.038                     |
| 127        | 03/17/2011 | 14:17:09 | 0.037                     |
| 128        | 03/17/2011 | 14:18:09 | 0.038                     |
| 129        | 03/17/2011 | 14:19:09 | 0.036                     |
| 130        | 03/17/2011 | 14:20:09 | 0.037                     |
| 131        | 03/17/2011 | 14:21:09 | 0.037                     |
| 132        | 03/17/2011 | 14:22:09 | 0.037                     |
| 133        | 03/17/2011 | 14:23:09 | 0.038                     |
| 134        | 03/17/2011 | 14:24:09 | 0.037                     |
| 135        | 03/17/2011 | 14:25:09 | 0.038                     |
| 136        | 03/17/2011 | 14:26:09 | 0.036                     |
| 137        | 03/17/2011 | 14:27:09 | 0.034                     |
| 138        | 03/17/2011 | 14:28:09 | 0.035                     |
| 139        | 03/17/2011 | 14:29:09 | 0.034                     |
| 140        | 03/17/2011 | 14:30:09 | 0.035                     |
| 141        | 03/17/2011 | 14:31:09 | 0.033                     |
| 142        | 03/17/2011 | 14:32:09 | 0.030                     |
| 143        | 03/17/2011 | 14:33:09 | 0.029                     |
| 144        | 03/17/2011 | 14:34:09 | 0.033                     |
| 145        | 03/17/2011 | 14:35:09 | 0.031                     |
| 146        | 03/17/2011 | 14:36:09 | 0.028                     |
| 147        | 03/17/2011 | 14:37:09 | 0.028                     |
| 148        | 03/17/2011 | 14:38:09 | 0.027                     |
| 149        | 03/17/2011 | 14:39:09 | 0.025                     |
| 150        | 03/17/2011 | 14:40:09 | 0.025                     |
| 151        | 03/17/2011 | 14:41:09 | 0.025                     |
| 152        | 03/17/2011 | 14:42:09 | 0.026                     |
| 153        | 03/17/2011 | 14:43:09 | 0.025                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 154        | 03/17/2011 | 14:44:09 | 0.033                     |
| 155        | 03/17/2011 | 14:45:09 | 0.029                     |
| 156        | 03/17/2011 | 14:46:09 | 0.026                     |
| 157        | 03/17/2011 | 14:47:09 | 0.025                     |
| 158        | 03/17/2011 | 14:48:09 | 0.025                     |
| 159        | 03/17/2011 | 14:49:09 | 0.026                     |
| 160        | 03/17/2011 | 14:50:09 | 0.025                     |
| 161        | 03/17/2011 | 14:51:09 | 0.026                     |
| 162        | 03/17/2011 | 14:52:09 | 0.026                     |
| 163        | 03/17/2011 | 14:53:09 | 0.025                     |
| 164        | 03/17/2011 | 14:54:09 | 0.026                     |
| 165        | 03/17/2011 | 14:55:09 | 0.025                     |
| 166        | 03/17/2011 | 14:56:09 | 0.025                     |
| 167        | 03/17/2011 | 14:57:09 | 0.024                     |
| 168        | 03/17/2011 | 14:58:09 | 0.025                     |
| 169        | 03/17/2011 | 14:59:09 | 0.025                     |
| 170        | 03/17/2011 | 15:00:09 | 0.024                     |
| 171        | 03/17/2011 | 15:01:09 | 0.025                     |
| 172        | 03/17/2011 | 15:02:09 | 0.025                     |
| 173        | 03/17/2011 | 15:03:09 | 0.026                     |
| 174        | 03/17/2011 | 15:04:09 | 0.025                     |
| 175        | 03/17/2011 | 15:05:09 | 0.024                     |
| 176        | 03/17/2011 | 15:06:09 | 0.024                     |
| 177        | 03/17/2011 | 15:07:09 | 0.028                     |
| 178        | 03/17/2011 | 15:08:09 | 0.030                     |
| 179        | 03/17/2011 | 15:09:09 | 0.025                     |
| 180        | 03/17/2011 | 15:10:09 | 0.023                     |
| 181        | 03/17/2011 | 15:11:09 | 0.025                     |
| 182        | 03/17/2011 | 15:12:09 | 0.025                     |
| 183        | 03/17/2011 | 15:13:09 | 0.025                     |
| 184        | 03/17/2011 | 15:14:09 | 0.024                     |
| 185        | 03/17/2011 | 15:15:09 | 0.024                     |
| 186        | 03/17/2011 | 15:16:09 | 0.024                     |
| 187        | 03/17/2011 | 15:17:09 | 0.024                     |
| 188        | 03/17/2011 | 15:18:09 | 0.024                     |
| 189        | 03/17/2011 | 15:19:09 | 0.024                     |
| 190        | 03/17/2011 | 15:20:09 | 0.025                     |
| 191        | 03/17/2011 | 15:21:09 | 0.024                     |
| 192        | 03/17/2011 | 15:22:09 | 0.024                     |
| 193        | 03/17/2011 | 15:23:09 | 0.024                     |
| 194        | 03/17/2011 | 15:24:09 | 0.024                     |
| 195        | 03/17/2011 | 15:25:09 | 0.024                     |
| 196        | 03/17/2011 | 15:26:09 | 0.024                     |
| 197        | 03/17/2011 | 15:27:09 | 0.023                     |
| 198        | 03/17/2011 | 15:28:09 | 0.022                     |
| 199        | 03/17/2011 | 15:29:09 | 0.023                     |
| 200        | 03/17/2011 | 15:30:09 | 0.023                     |
| 201        | 03/17/2011 | 15:31:09 | 0.022                     |
| 202        | 03/17/2011 | 15:32:09 | 0.022                     |
| 203        | 03/17/2011 | 15:33:09 | 0.022                     |
| 204        | 03/17/2011 | 15:34:09 | 0.023                     |
| 205        | 03/17/2011 | 15:35:09 | 0.023                     |
| 206        | 03/17/2011 | 15:36:09 | 0.023                     |
| 207        | 03/17/2011 | 15:37:09 | 0.023                     |
| 208        | 03/17/2011 | 15:38:09 | 0.025                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 209        | 03/17/2011 | 15:39:09 | 0.022                     |
| 210        | 03/17/2011 | 15:40:09 | 0.022                     |
| 211        | 03/17/2011 | 15:41:09 | 0.023                     |
| 212        | 03/17/2011 | 15:42:09 | 0.024                     |
| 213        | 03/17/2011 | 15:43:09 | 0.023                     |
| 214        | 03/17/2011 | 15:44:09 | 0.023                     |
| 215        | 03/17/2011 | 15:45:09 | 0.022                     |
| 216        | 03/17/2011 | 15:46:09 | 0.022                     |
| 217        | 03/17/2011 | 15:47:09 | 0.023                     |
| 218        | 03/17/2011 | 15:48:09 | 0.023                     |
| 219        | 03/17/2011 | 15:49:09 | 0.023                     |
| 220        | 03/17/2011 | 15:50:09 | 0.024                     |
| 221        | 03/17/2011 | 15:51:09 | 0.023                     |
| 222        | 03/17/2011 | 15:52:09 | 0.022                     |
| 223        | 03/17/2011 | 15:53:09 | 0.023                     |
| 224        | 03/17/2011 | 15:54:09 | 0.022                     |
| 225        | 03/17/2011 | 15:55:09 | 0.023                     |
| 226        | 03/17/2011 | 15:56:09 | 0.024                     |
| 227        | 03/17/2011 | 15:57:09 | 0.024                     |
| 228        | 03/17/2011 | 15:58:09 | 0.024                     |
| 229        | 03/17/2011 | 15:59:09 | 0.024                     |
| 230        | 03/17/2011 | 16:00:09 | 0.025                     |
| 231        | 03/17/2011 | 16:01:09 | 0.024                     |
| 232        | 03/17/2011 | 16:02:09 | 0.024                     |
| 233        | 03/17/2011 | 16:03:09 | 0.024                     |
| 234        | 03/17/2011 | 16:04:09 | 0.025                     |
| 235        | 03/17/2011 | 16:05:09 | 0.024                     |
| 236        | 03/17/2011 | 16:06:09 | 0.023                     |
| 237        | 03/17/2011 | 16:07:09 | 0.024                     |
| 238        | 03/17/2011 | 16:08:09 | 0.024                     |
| 239        | 03/17/2011 | 16:09:09 | 0.024                     |
| 240        | 03/17/2011 | 16:10:09 | 0.023                     |
| 241        | 03/17/2011 | 16:11:09 | 0.024                     |
| 242        | 03/17/2011 | 16:12:09 | 0.023                     |
| 243        | 03/17/2011 | 16:13:09 | 0.023                     |
| 244        | 03/17/2011 | 16:14:09 | 0.023                     |
| 245        | 03/17/2011 | 16:15:09 | 0.023                     |
| 246        | 03/17/2011 | 16:16:09 | 0.024                     |
| 247        | 03/17/2011 | 16:17:09 | 0.023                     |
| 248        | 03/17/2011 | 16:18:09 | 0.025                     |
| 249        | 03/17/2011 | 16:19:09 | 0.026                     |
| 250        | 03/17/2011 | 16:20:09 | 0.024                     |
| 251        | 03/17/2011 | 16:21:09 | 0.025                     |
| 252        | 03/17/2011 | 16:22:09 | 0.024                     |
| 253        | 03/17/2011 | 16:23:09 | 0.024                     |
| 254        | 03/17/2011 | 16:24:09 | 0.024                     |
| 255        | 03/17/2011 | 16:25:09 | 0.024                     |
| 256        | 03/17/2011 | 16:26:09 | 0.024                     |
| 257        | 03/17/2011 | 16:27:09 | 0.024                     |
| 258        | 03/17/2011 | 16:28:09 | 0.024                     |
| 259        | 03/17/2011 | 16:29:09 | 0.024                     |
| 260        | 03/17/2011 | 16:30:09 | 0.024                     |
| 261        | 03/17/2011 | 16:31:09 | 0.024                     |
| 262        | 03/17/2011 | 16:32:09 | 0.025                     |
| 263        | 03/17/2011 | 16:33:09 | 0.025                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 264        | 03/17/2011 | 16:34:09 | 0.026                     |
| 265        | 03/17/2011 | 16:35:09 | 0.027                     |
| 266        | 03/17/2011 | 16:36:09 | 0.026                     |
| 267        | 03/17/2011 | 16:37:09 | 0.026                     |
| 268        | 03/17/2011 | 16:38:09 | 0.025                     |
| 269        | 03/17/2011 | 16:39:09 | 0.026                     |
| 270        | 03/17/2011 | 16:40:09 | 0.026                     |
| 271        | 03/17/2011 | 16:41:09 | 0.027                     |

# Test 001

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 03/17/2011  |
| Meter S/N  | 85201834  | Start Time       | 09:00:36    |
|            |           | Stop Date        | 03/17/2011  |
|            |           | Stop Time        | 16:45:36    |
|            |           | Total Time       | 0:07:45:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 03/17/2011 | 09:05:36 | 0.048                     |
| 2          | 03/17/2011 | 09:10:36 | 0.048                     |
| 3          | 03/17/2011 | 09:15:36 | 0.048                     |
| 4          | 03/17/2011 | 09:20:36 | 0.049                     |
| 5          | 03/17/2011 | 09:25:36 | 0.049                     |
| 6          | 03/17/2011 | 09:30:36 | 0.051                     |
| 7          | 03/17/2011 | 09:35:36 | 0.050                     |
| 8          | 03/17/2011 | 09:40:36 | 0.051                     |
| 9          | 03/17/2011 | 09:45:36 | 0.051                     |
| 10         | 03/17/2011 | 09:50:36 | 0.056                     |
| 11         | 03/17/2011 | 09:55:36 | 0.050                     |
| 12         | 03/17/2011 | 10:00:36 | 0.049                     |
| 13         | 03/17/2011 | 10:05:36 | 0.049                     |
| 14         | 03/17/2011 | 10:10:36 | 0.048                     |
| 15         | 03/17/2011 | 10:15:36 | 0.049                     |
| 16         | 03/17/2011 | 10:20:36 | 0.049                     |
| 17         | 03/17/2011 | 10:25:36 | 0.048                     |
| 18         | 03/17/2011 | 10:30:36 | 0.047                     |
| 19         | 03/17/2011 | 10:35:36 | 0.049                     |
| 20         | 03/17/2011 | 10:40:36 | 0.049                     |
| 21         | 03/17/2011 | 10:45:36 | 0.049                     |
| 22         | 03/17/2011 | 10:50:36 | 0.048                     |
| 23         | 03/17/2011 | 10:55:36 | 0.048                     |
| 24         | 03/17/2011 | 11:00:36 | 0.047                     |
| 25         | 03/17/2011 | 11:05:36 | 0.047                     |
| 26         | 03/17/2011 | 11:10:36 | 0.046                     |
| 27         | 03/17/2011 | 11:15:36 | 0.047                     |
| 28         | 03/17/2011 | 11:20:36 | 0.048                     |
| 29         | 03/17/2011 | 11:25:36 | 0.047                     |
| 30         | 03/17/2011 | 11:30:36 | 0.047                     |
| 31         | 03/17/2011 | 11:35:36 | 0.045                     |
| 32         | 03/17/2011 | 11:40:36 | 0.047                     |
| 33         | 03/17/2011 | 11:45:36 | 0.045                     |
| 34         | 03/17/2011 | 11:50:36 | 0.046                     |
| 35         | 03/17/2011 | 11:55:36 | 0.047                     |
| 36         | 03/17/2011 | 12:00:36 | 0.047                     |
| 37         | 03/17/2011 | 12:05:36 | 0.046                     |
| 38         | 03/17/2011 | 12:10:36 | 0.046                     |
| 39         | 03/17/2011 | 12:15:36 | 0.046                     |
| 40         | 03/17/2011 | 12:20:36 | 0.045                     |
| 41         | 03/17/2011 | 12:25:36 | 0.048                     |
| 42         | 03/17/2011 | 12:30:36 | 0.045                     |
| 43         | 03/17/2011 | 12:35:36 | 0.044                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 03/17/2011 | 12:40:36 | 0.043                     |
| 45         | 03/17/2011 | 12:45:36 | 0.043                     |
| 46         | 03/17/2011 | 12:50:36 | 0.044                     |
| 47         | 03/17/2011 | 12:55:36 | 0.043                     |
| 48         | 03/17/2011 | 13:00:36 | 0.043                     |
| 49         | 03/17/2011 | 13:05:36 | 0.043                     |
| 50         | 03/17/2011 | 13:10:36 | 0.042                     |
| 51         | 03/17/2011 | 13:15:36 | 0.042                     |
| 52         | 03/17/2011 | 13:20:36 | 0.042                     |
| 53         | 03/17/2011 | 13:25:36 | 0.041                     |
| 54         | 03/17/2011 | 13:30:36 | 0.040                     |
| 55         | 03/17/2011 | 13:35:36 | 0.039                     |
| 56         | 03/17/2011 | 13:40:36 | 0.039                     |
| 57         | 03/17/2011 | 13:45:36 | 0.037                     |
| 58         | 03/17/2011 | 13:50:36 | 0.037                     |
| 59         | 03/17/2011 | 13:55:36 | 0.037                     |
| 60         | 03/17/2011 | 14:00:36 | 0.036                     |
| 61         | 03/17/2011 | 14:05:36 | 0.035                     |
| 62         | 03/17/2011 | 14:10:36 | 0.033                     |
| 63         | 03/17/2011 | 14:15:36 | 0.033                     |
| 64         | 03/17/2011 | 14:20:36 | 0.033                     |
| 65         | 03/17/2011 | 14:25:36 | 0.033                     |
| 66         | 03/17/2011 | 14:30:36 | 0.031                     |
| 67         | 03/17/2011 | 14:35:36 | 0.027                     |
| 68         | 03/17/2011 | 14:40:36 | 0.025                     |
| 69         | 03/17/2011 | 14:45:36 | 0.024                     |
| 70         | 03/17/2011 | 14:50:36 | 0.024                     |
| 71         | 03/17/2011 | 14:55:36 | 0.024                     |
| 72         | 03/17/2011 | 15:00:36 | 0.024                     |
| 73         | 03/17/2011 | 15:05:36 | 0.024                     |
| 74         | 03/17/2011 | 15:10:36 | 0.023                     |
| 75         | 03/17/2011 | 15:15:36 | 0.023                     |
| 76         | 03/17/2011 | 15:20:36 | 0.023                     |
| 77         | 03/17/2011 | 15:25:36 | 0.023                     |
| 78         | 03/17/2011 | 15:30:36 | 0.022                     |
| 79         | 03/17/2011 | 15:35:36 | 0.021                     |
| 80         | 03/17/2011 | 15:40:36 | 0.022                     |
| 81         | 03/17/2011 | 15:45:36 | 0.022                     |
| 82         | 03/17/2011 | 15:50:36 | 0.021                     |
| 83         | 03/17/2011 | 15:55:36 | 0.022                     |
| 84         | 03/17/2011 | 16:00:36 | 0.023                     |
| 85         | 03/17/2011 | 16:05:36 | 0.023                     |
| 86         | 03/17/2011 | 16:10:36 | 0.022                     |
| 87         | 03/17/2011 | 16:15:36 | 0.022                     |
| 88         | 03/17/2011 | 16:20:36 | 0.022                     |
| 89         | 03/17/2011 | 16:25:36 | 0.022                     |
| 90         | 03/17/2011 | 16:30:36 | 0.023                     |
| 91         | 03/17/2011 | 16:35:36 | 0.024                     |
| 92         | 03/17/2011 | 16:40:36 | 0.025                     |
| 93         | 03/17/2011 | 16:45:36 | 0.023                     |

# Test 003

| Instrument |           | Data Properties  |            |
|------------|-----------|------------------|------------|
| Model      | Dust Trak | Start Date       | 03/18/2011 |
| Meter S/N  | 85200174  | Start Time       | 08:20:11   |
|            |           | Stop Date        | 03/18/2011 |
|            |           | Stop Time        | 12:36:11   |
|            |           | Total Time       | 0:04:16:00 |
|            |           | Logging Interval | 60 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 03/18/2011 | 08:21:11 | 0.183                     |
| 2          | 03/18/2011 | 08:22:11 | 0.015                     |
| 3          | 03/18/2011 | 08:23:11 | 0.015                     |
| 4          | 03/18/2011 | 08:24:11 | 0.014                     |
| 5          | 03/18/2011 | 08:25:11 | 0.013                     |
| 6          | 03/18/2011 | 08:26:11 | 0.012                     |
| 7          | 03/18/2011 | 08:27:11 | 0.012                     |
| 8          | 03/18/2011 | 08:28:11 | 0.011                     |
| 9          | 03/18/2011 | 08:29:11 | 0.011                     |
| 10         | 03/18/2011 | 08:30:11 | 0.012                     |
| 11         | 03/18/2011 | 08:31:11 | 0.011                     |
| 12         | 03/18/2011 | 08:32:11 | 0.013                     |
| 13         | 03/18/2011 | 08:33:11 | 0.011                     |
| 14         | 03/18/2011 | 08:34:11 | 0.010                     |
| 15         | 03/18/2011 | 08:35:11 | 0.011                     |
| 16         | 03/18/2011 | 08:36:11 | 0.010                     |
| 17         | 03/18/2011 | 08:37:11 | 0.010                     |
| 18         | 03/18/2011 | 08:38:11 | 0.011                     |
| 19         | 03/18/2011 | 08:39:11 | 0.016                     |
| 20         | 03/18/2011 | 08:40:11 | 0.011                     |
| 21         | 03/18/2011 | 08:41:11 | 0.010                     |
| 22         | 03/18/2011 | 08:42:11 | 0.012                     |
| 23         | 03/18/2011 | 08:43:11 | 0.010                     |
| 24         | 03/18/2011 | 08:44:11 | 0.011                     |
| 25         | 03/18/2011 | 08:45:11 | 0.011                     |
| 26         | 03/18/2011 | 08:46:11 | 0.010                     |
| 27         | 03/18/2011 | 08:47:11 | 0.010                     |
| 28         | 03/18/2011 | 08:48:11 | 0.011                     |
| 29         | 03/18/2011 | 08:49:11 | 0.012                     |
| 30         | 03/18/2011 | 08:50:11 | 0.011                     |
| 31         | 03/18/2011 | 08:51:11 | 0.010                     |
| 32         | 03/18/2011 | 08:52:11 | 0.010                     |
| 33         | 03/18/2011 | 08:53:11 | 0.009                     |
| 34         | 03/18/2011 | 08:54:11 | 0.010                     |
| 35         | 03/18/2011 | 08:55:11 | 0.012                     |
| 36         | 03/18/2011 | 08:56:11 | 0.011                     |
| 37         | 03/18/2011 | 08:57:11 | 0.010                     |
| 38         | 03/18/2011 | 08:58:11 | 0.010                     |
| 39         | 03/18/2011 | 08:59:11 | 0.010                     |
| 40         | 03/18/2011 | 09:00:11 | 0.011                     |
| 41         | 03/18/2011 | 09:01:11 | 0.011                     |
| 42         | 03/18/2011 | 09:02:11 | 0.011                     |
| 43         | 03/18/2011 | 09:03:11 | 0.010                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 03/18/2011 | 09:04:11 | 0.010                     |
| 45         | 03/18/2011 | 09:05:11 | 0.009                     |
| 46         | 03/18/2011 | 09:06:11 | 0.011                     |
| 47         | 03/18/2011 | 09:07:11 | 0.008                     |
| 48         | 03/18/2011 | 09:08:11 | 0.008                     |
| 49         | 03/18/2011 | 09:09:11 | 0.008                     |
| 50         | 03/18/2011 | 09:10:11 | 0.009                     |
| 51         | 03/18/2011 | 09:11:11 | 0.009                     |
| 52         | 03/18/2011 | 09:12:11 | 0.010                     |
| 53         | 03/18/2011 | 09:13:11 | 0.010                     |
| 54         | 03/18/2011 | 09:14:11 | 0.009                     |
| 55         | 03/18/2011 | 09:15:11 | 0.008                     |
| 56         | 03/18/2011 | 09:16:11 | 0.008                     |
| 57         | 03/18/2011 | 09:17:11 | 0.008                     |
| 58         | 03/18/2011 | 09:18:11 | 0.008                     |
| 59         | 03/18/2011 | 09:19:11 | 0.007                     |
| 60         | 03/18/2011 | 09:20:11 | 0.007                     |
| 61         | 03/18/2011 | 09:21:11 | 0.007                     |
| 62         | 03/18/2011 | 09:22:11 | 0.008                     |
| 63         | 03/18/2011 | 09:23:11 | 0.008                     |
| 64         | 03/18/2011 | 09:24:11 | 0.007                     |
| 65         | 03/18/2011 | 09:25:11 | 0.006                     |
| 66         | 03/18/2011 | 09:26:11 | 0.007                     |
| 67         | 03/18/2011 | 09:27:11 | 0.007                     |
| 68         | 03/18/2011 | 09:28:11 | 0.006                     |
| 69         | 03/18/2011 | 09:29:11 | 0.006                     |
| 70         | 03/18/2011 | 09:30:11 | 0.007                     |
| 71         | 03/18/2011 | 09:31:11 | 0.008                     |
| 72         | 03/18/2011 | 09:32:11 | 0.007                     |
| 73         | 03/18/2011 | 09:33:11 | 0.008                     |
| 74         | 03/18/2011 | 09:34:11 | 0.006                     |
| 75         | 03/18/2011 | 09:35:11 | 0.007                     |
| 76         | 03/18/2011 | 09:36:11 | 0.008                     |
| 77         | 03/18/2011 | 09:37:11 | 0.008                     |
| 78         | 03/18/2011 | 09:38:11 | 0.006                     |
| 79         | 03/18/2011 | 09:39:11 | 0.006                     |
| 80         | 03/18/2011 | 09:40:11 | 0.006                     |
| 81         | 03/18/2011 | 09:41:11 | 0.006                     |
| 82         | 03/18/2011 | 09:42:11 | 0.006                     |
| 83         | 03/18/2011 | 09:43:11 | 0.006                     |
| 84         | 03/18/2011 | 09:44:11 | 0.005                     |
| 85         | 03/18/2011 | 09:45:11 | 0.006                     |
| 86         | 03/18/2011 | 09:46:11 | 0.007                     |
| 87         | 03/18/2011 | 09:47:11 | 0.006                     |
| 88         | 03/18/2011 | 09:48:11 | 0.007                     |
| 89         | 03/18/2011 | 09:49:11 | 0.006                     |
| 90         | 03/18/2011 | 09:50:11 | 0.008                     |
| 91         | 03/18/2011 | 09:51:11 | 0.009                     |
| 92         | 03/18/2011 | 09:52:11 | 0.008                     |
| 93         | 03/18/2011 | 09:53:11 | 0.009                     |
| 94         | 03/18/2011 | 09:54:11 | 0.008                     |
| 95         | 03/18/2011 | 09:55:11 | 0.008                     |
| 96         | 03/18/2011 | 09:56:11 | 0.011                     |
| 97         | 03/18/2011 | 09:57:11 | 0.007                     |
| 98         | 03/18/2011 | 09:58:11 | 0.009                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 99         | 03/18/2011 | 09:59:11 | 0.007                     |
| 100        | 03/18/2011 | 10:00:11 | 0.006                     |
| 101        | 03/18/2011 | 10:01:11 | 0.006                     |
| 102        | 03/18/2011 | 10:02:11 | 0.006                     |
| 103        | 03/18/2011 | 10:03:11 | 0.008                     |
| 104        | 03/18/2011 | 10:04:11 | 0.007                     |
| 105        | 03/18/2011 | 10:05:11 | 0.010                     |
| 106        | 03/18/2011 | 10:06:11 | 0.007                     |
| 107        | 03/18/2011 | 10:07:11 | 0.007                     |
| 108        | 03/18/2011 | 10:08:11 | 0.010                     |
| 109        | 03/18/2011 | 10:09:11 | 0.007                     |
| 110        | 03/18/2011 | 10:10:11 | 0.007                     |
| 111        | 03/18/2011 | 10:11:11 | 0.006                     |
| 112        | 03/18/2011 | 10:12:11 | 0.007                     |
| 113        | 03/18/2011 | 10:13:11 | 0.007                     |
| 114        | 03/18/2011 | 10:14:11 | 0.008                     |
| 115        | 03/18/2011 | 10:15:11 | 0.008                     |
| 116        | 03/18/2011 | 10:16:11 | 0.012                     |
| 117        | 03/18/2011 | 10:17:11 | 0.012                     |
| 118        | 03/18/2011 | 10:18:11 | 0.008                     |
| 119        | 03/18/2011 | 10:19:11 | 0.008                     |
| 120        | 03/18/2011 | 10:20:11 | 0.007                     |
| 121        | 03/18/2011 | 10:21:11 | 0.007                     |
| 122        | 03/18/2011 | 10:22:11 | 0.009                     |
| 123        | 03/18/2011 | 10:23:11 | 0.007                     |
| 124        | 03/18/2011 | 10:24:11 | 0.014                     |
| 125        | 03/18/2011 | 10:25:11 | 0.008                     |
| 126        | 03/18/2011 | 10:26:11 | 0.006                     |
| 127        | 03/18/2011 | 10:27:11 | 0.007                     |
| 128        | 03/18/2011 | 10:28:11 | 0.008                     |
| 129        | 03/18/2011 | 10:29:11 | 0.008                     |
| 130        | 03/18/2011 | 10:30:11 | 0.009                     |
| 131        | 03/18/2011 | 10:31:11 | 0.009                     |
| 132        | 03/18/2011 | 10:32:11 | 0.008                     |
| 133        | 03/18/2011 | 10:33:11 | 0.008                     |
| 134        | 03/18/2011 | 10:34:11 | 0.008                     |
| 135        | 03/18/2011 | 10:35:11 | 0.009                     |
| 136        | 03/18/2011 | 10:36:11 | 0.011                     |
| 137        | 03/18/2011 | 10:37:11 | 0.009                     |
| 138        | 03/18/2011 | 10:38:11 | 0.008                     |
| 139        | 03/18/2011 | 10:39:11 | 0.008                     |
| 140        | 03/18/2011 | 10:40:11 | 0.007                     |
| 141        | 03/18/2011 | 10:41:11 | 0.006                     |
| 142        | 03/18/2011 | 10:42:11 | 0.009                     |
| 143        | 03/18/2011 | 10:43:11 | 0.007                     |
| 144        | 03/18/2011 | 10:44:11 | 0.009                     |
| 145        | 03/18/2011 | 10:45:11 | 0.007                     |
| 146        | 03/18/2011 | 10:46:11 | 0.008                     |
| 147        | 03/18/2011 | 10:47:11 | 0.009                     |
| 148        | 03/18/2011 | 10:48:11 | 0.008                     |
| 149        | 03/18/2011 | 10:49:11 | 0.013                     |
| 150        | 03/18/2011 | 10:50:11 | 0.008                     |
| 151        | 03/18/2011 | 10:51:11 | 0.008                     |
| 152        | 03/18/2011 | 10:52:11 | 0.008                     |
| 153        | 03/18/2011 | 10:53:11 | 0.006                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 154        | 03/18/2011 | 10:54:11 | 0.007                     |
| 155        | 03/18/2011 | 10:55:11 | 0.007                     |
| 156        | 03/18/2011 | 10:56:11 | 0.007                     |
| 157        | 03/18/2011 | 10:57:11 | 0.008                     |
| 158        | 03/18/2011 | 10:58:11 | 0.008                     |
| 159        | 03/18/2011 | 10:59:11 | 0.008                     |
| 160        | 03/18/2011 | 11:00:11 | 0.008                     |
| 161        | 03/18/2011 | 11:01:11 | 0.008                     |
| 162        | 03/18/2011 | 11:02:11 | 0.008                     |
| 163        | 03/18/2011 | 11:03:11 | 0.008                     |
| 164        | 03/18/2011 | 11:04:11 | 0.007                     |
| 165        | 03/18/2011 | 11:05:11 | 0.009                     |
| 166        | 03/18/2011 | 11:06:11 | 0.007                     |
| 167        | 03/18/2011 | 11:07:11 | 0.006                     |
| 168        | 03/18/2011 | 11:08:11 | 0.007                     |
| 169        | 03/18/2011 | 11:09:11 | 0.006                     |
| 170        | 03/18/2011 | 11:10:11 | 0.007                     |
| 171        | 03/18/2011 | 11:11:11 | 0.008                     |
| 172        | 03/18/2011 | 11:12:11 | 0.007                     |
| 173        | 03/18/2011 | 11:13:11 | 0.009                     |
| 174        | 03/18/2011 | 11:14:11 | 0.010                     |
| 175        | 03/18/2011 | 11:15:11 | 0.008                     |
| 176        | 03/18/2011 | 11:16:11 | 0.008                     |
| 177        | 03/18/2011 | 11:17:11 | 0.007                     |
| 178        | 03/18/2011 | 11:18:11 | 0.007                     |
| 179        | 03/18/2011 | 11:19:11 | 0.006                     |
| 180        | 03/18/2011 | 11:20:11 | 0.006                     |
| 181        | 03/18/2011 | 11:21:11 | 0.006                     |
| 182        | 03/18/2011 | 11:22:11 | 0.006                     |
| 183        | 03/18/2011 | 11:23:11 | 0.006                     |
| 184        | 03/18/2011 | 11:24:11 | 0.006                     |
| 185        | 03/18/2011 | 11:25:11 | 0.006                     |
| 186        | 03/18/2011 | 11:26:11 | 0.007                     |
| 187        | 03/18/2011 | 11:27:11 | 0.006                     |
| 188        | 03/18/2011 | 11:28:11 | 0.007                     |
| 189        | 03/18/2011 | 11:29:11 | 0.006                     |
| 190        | 03/18/2011 | 11:30:11 | 0.007                     |
| 191        | 03/18/2011 | 11:31:11 | 0.006                     |
| 192        | 03/18/2011 | 11:32:11 | 0.006                     |
| 193        | 03/18/2011 | 11:33:11 | 0.006                     |
| 194        | 03/18/2011 | 11:34:11 | 0.009                     |
| 195        | 03/18/2011 | 11:35:11 | 0.006                     |
| 196        | 03/18/2011 | 11:36:11 | 0.006                     |
| 197        | 03/18/2011 | 11:37:11 | 0.005                     |
| 198        | 03/18/2011 | 11:38:11 | 0.006                     |
| 199        | 03/18/2011 | 11:39:11 | 0.006                     |
| 200        | 03/18/2011 | 11:40:11 | 0.006                     |
| 201        | 03/18/2011 | 11:41:11 | 0.006                     |
| 202        | 03/18/2011 | 11:42:11 | 0.006                     |
| 203        | 03/18/2011 | 11:43:11 | 0.006                     |
| 204        | 03/18/2011 | 11:44:11 | 0.007                     |
| 205        | 03/18/2011 | 11:45:11 | 0.006                     |
| 206        | 03/18/2011 | 11:46:11 | 0.006                     |
| 207        | 03/18/2011 | 11:47:11 | 0.007                     |
| 208        | 03/18/2011 | 11:48:11 | 0.006                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 209        | 03/18/2011 | 11:49:11 | 0.007                     |
| 210        | 03/18/2011 | 11:50:11 | 0.007                     |
| 211        | 03/18/2011 | 11:51:11 | 0.007                     |
| 212        | 03/18/2011 | 11:52:11 | 0.006                     |
| 213        | 03/18/2011 | 11:53:11 | 0.008                     |
| 214        | 03/18/2011 | 11:54:11 | 0.008                     |
| 215        | 03/18/2011 | 11:55:11 | 0.008                     |
| 216        | 03/18/2011 | 11:56:11 | 0.007                     |
| 217        | 03/18/2011 | 11:57:11 | 0.007                     |
| 218        | 03/18/2011 | 11:58:11 | 0.006                     |
| 219        | 03/18/2011 | 11:59:11 | 0.007                     |
| 220        | 03/18/2011 | 12:00:11 | 0.007                     |
| 221        | 03/18/2011 | 12:01:11 | 0.006                     |
| 222        | 03/18/2011 | 12:02:11 | 0.007                     |
| 223        | 03/18/2011 | 12:03:11 | 0.006                     |
| 224        | 03/18/2011 | 12:04:11 | 0.005                     |
| 225        | 03/18/2011 | 12:05:11 | 0.006                     |
| 226        | 03/18/2011 | 12:06:11 | 0.007                     |
| 227        | 03/18/2011 | 12:07:11 | 0.006                     |
| 228        | 03/18/2011 | 12:08:11 | 0.005                     |
| 229        | 03/18/2011 | 12:09:11 | 0.006                     |
| 230        | 03/18/2011 | 12:10:11 | 0.006                     |
| 231        | 03/18/2011 | 12:11:11 | 0.006                     |
| 232        | 03/18/2011 | 12:12:11 | 0.006                     |
| 233        | 03/18/2011 | 12:13:11 | 0.006                     |
| 234        | 03/18/2011 | 12:14:11 | 0.007                     |
| 235        | 03/18/2011 | 12:15:11 | 0.007                     |
| 236        | 03/18/2011 | 12:16:11 | 0.006                     |
| 237        | 03/18/2011 | 12:17:11 | 0.006                     |
| 238        | 03/18/2011 | 12:18:11 | 0.006                     |
| 239        | 03/18/2011 | 12:19:11 | 0.006                     |
| 240        | 03/18/2011 | 12:20:11 | 0.008                     |
| 241        | 03/18/2011 | 12:21:11 | 0.009                     |
| 242        | 03/18/2011 | 12:22:11 | 0.009                     |
| 243        | 03/18/2011 | 12:23:11 | 0.007                     |
| 244        | 03/18/2011 | 12:24:11 | 0.013                     |
| 245        | 03/18/2011 | 12:25:11 | 0.008                     |
| 246        | 03/18/2011 | 12:26:11 | 0.008                     |
| 247        | 03/18/2011 | 12:27:11 | 0.007                     |
| 248        | 03/18/2011 | 12:28:11 | 0.006                     |
| 249        | 03/18/2011 | 12:29:11 | 0.007                     |
| 250        | 03/18/2011 | 12:30:11 | 0.011                     |
| 251        | 03/18/2011 | 12:31:11 | 0.007                     |
| 252        | 03/18/2011 | 12:32:11 | 0.006                     |
| 253        | 03/18/2011 | 12:33:11 | 0.006                     |
| 254        | 03/18/2011 | 12:34:11 | 0.006                     |
| 255        | 03/18/2011 | 12:35:11 | 0.006                     |
| 256        | 03/18/2011 | 12:36:11 | 0.005                     |

# Test 002

| Instrument |           | Data Properties  |            |
|------------|-----------|------------------|------------|
| Model      | Dust Trak | Start Date       | 03/18/2011 |
| Meter S/N  | 85201834  | Start Time       | 08:13:32   |
|            |           | Stop Date        | 03/18/2011 |
|            |           | Stop Time        | 12:00:22   |
|            |           | Total Time       | 0:03:46:50 |
|            |           | Logging Interval | 60 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 03/18/2011 | 08:14:32 | 0.045                     |
| 2          | 03/18/2011 | 08:15:32 | 0.012                     |
| 3          | 03/18/2011 | 08:16:32 | 0.012                     |
| 4          | 03/18/2011 | 08:17:32 | 0.012                     |
| 5          | 03/18/2011 | 08:18:32 | 0.012                     |
| 6          | 03/18/2011 | 08:19:32 | 0.013                     |
| 7          | 03/18/2011 | 08:20:32 | 0.013                     |
| 8          | 03/18/2011 | 08:21:32 | 0.013                     |
| 9          | 03/18/2011 | 08:22:32 | 0.012                     |
| 10         | 03/18/2011 | 08:23:32 | 0.011                     |
| 11         | 03/18/2011 | 08:24:32 | 0.011                     |
| 12         | 03/18/2011 | 08:25:32 | 0.010                     |
| 13         | 03/18/2011 | 08:26:32 | 0.011                     |
| 14         | 03/18/2011 | 08:27:32 | 0.010                     |
| 15         | 03/18/2011 | 08:28:32 | 0.009                     |
| 16         | 03/18/2011 | 08:29:32 | 0.010                     |
| 17         | 03/18/2011 | 08:30:32 | 0.009                     |
| 18         | 03/18/2011 | 08:31:32 | 0.010                     |
| 19         | 03/18/2011 | 08:32:32 | 0.011                     |
| 20         | 03/18/2011 | 08:33:32 | 0.009                     |
| 21         | 03/18/2011 | 08:34:32 | 0.008                     |
| 22         | 03/18/2011 | 08:35:32 | 0.010                     |
| 23         | 03/18/2011 | 08:36:32 | 0.009                     |
| 24         | 03/18/2011 | 08:37:32 | 0.009                     |
| 25         | 03/18/2011 | 08:38:32 | 0.010                     |
| 26         | 03/18/2011 | 08:39:32 | 0.010                     |
| 27         | 03/18/2011 | 08:40:32 | 0.009                     |
| 28         | 03/18/2011 | 08:41:32 | 0.009                     |
| 29         | 03/18/2011 | 08:42:32 | 0.009                     |
| 30         | 03/18/2011 | 08:43:32 | 0.009                     |
| 31         | 03/18/2011 | 08:44:32 | 0.009                     |
| 32         | 03/18/2011 | 08:45:32 | 0.009                     |
| 33         | 03/18/2011 | 08:46:32 | 0.009                     |
| 34         | 03/18/2011 | 08:47:32 | 0.009                     |
| 35         | 03/18/2011 | 08:48:32 | 0.009                     |
| 36         | 03/18/2011 | 08:49:32 | 0.009                     |
| 37         | 03/18/2011 | 08:50:32 | 0.009                     |
| 38         | 03/18/2011 | 08:51:32 | 0.009                     |
| 39         | 03/18/2011 | 08:52:32 | 0.008                     |
| 40         | 03/18/2011 | 08:53:32 | 0.008                     |
| 41         | 03/18/2011 | 08:54:32 | 0.009                     |
| 42         | 03/18/2011 | 08:55:32 | 0.009                     |
| 43         | 03/18/2011 | 08:56:32 | 0.009                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 03/18/2011 | 08:57:32 | 0.009                     |
| 45         | 03/18/2011 | 08:58:32 | 0.009                     |
| 46         | 03/18/2011 | 08:59:32 | 0.008                     |
| 47         | 03/18/2011 | 09:00:32 | 0.009                     |
| 48         | 03/18/2011 | 09:01:32 | 0.010                     |
| 49         | 03/18/2011 | 09:02:32 | 0.008                     |
| 50         | 03/18/2011 | 09:03:32 | 0.008                     |
| 51         | 03/18/2011 | 09:04:32 | 0.010                     |
| 52         | 03/18/2011 | 09:05:32 | 0.008                     |
| 53         | 03/18/2011 | 09:06:32 | 0.007                     |
| 54         | 03/18/2011 | 09:07:32 | 0.007                     |
| 55         | 03/18/2011 | 09:08:32 | 0.007                     |
| 56         | 03/18/2011 | 09:09:32 | 0.007                     |
| 57         | 03/18/2011 | 09:10:32 | 0.007                     |
| 58         | 03/18/2011 | 09:11:32 | 0.007                     |
| 59         | 03/18/2011 | 09:12:32 | 0.007                     |
| 60         | 03/18/2011 | 09:13:32 | 0.007                     |
| 61         | 03/18/2011 | 09:14:32 | 0.007                     |
| 62         | 03/18/2011 | 09:15:32 | 0.007                     |
| 63         | 03/18/2011 | 09:16:32 | 0.006                     |
| 64         | 03/18/2011 | 09:17:32 | 0.006                     |
| 65         | 03/18/2011 | 09:18:32 | 0.007                     |
| 66         | 03/18/2011 | 09:19:32 | 0.008                     |
| 67         | 03/18/2011 | 09:20:32 | 0.007                     |
| 68         | 03/18/2011 | 09:21:32 | 0.006                     |
| 69         | 03/18/2011 | 09:22:32 | 0.007                     |
| 70         | 03/18/2011 | 09:23:32 | 0.006                     |
| 71         | 03/18/2011 | 09:24:32 | 0.006                     |
| 72         | 03/18/2011 | 09:25:32 | 0.006                     |
| 73         | 03/18/2011 | 09:26:32 | 0.006                     |
| 74         | 03/18/2011 | 09:27:32 | 0.006                     |
| 75         | 03/18/2011 | 09:28:32 | 0.005                     |
| 76         | 03/18/2011 | 09:29:32 | 0.005                     |
| 77         | 03/18/2011 | 09:30:32 | 0.006                     |
| 78         | 03/18/2011 | 09:31:32 | 0.007                     |
| 79         | 03/18/2011 | 09:32:32 | 0.006                     |
| 80         | 03/18/2011 | 09:33:32 | 0.006                     |
| 81         | 03/18/2011 | 09:34:32 | 0.006                     |
| 82         | 03/18/2011 | 09:35:32 | 0.005                     |
| 83         | 03/18/2011 | 09:36:32 | 0.006                     |
| 84         | 03/18/2011 | 09:37:32 | 0.006                     |
| 85         | 03/18/2011 | 09:38:32 | 0.005                     |
| 86         | 03/18/2011 | 09:39:32 | 0.006                     |
| 87         | 03/18/2011 | 09:40:32 | 0.006                     |
| 88         | 03/18/2011 | 09:41:32 | 0.006                     |
| 89         | 03/18/2011 | 09:42:32 | 0.006                     |
| 90         | 03/18/2011 | 09:43:32 | 0.005                     |
| 91         | 03/18/2011 | 09:44:32 | 0.005                     |
| 92         | 03/18/2011 | 09:45:32 | 0.007                     |
| 93         | 03/18/2011 | 09:46:32 | 0.007                     |
| 94         | 03/18/2011 | 09:47:32 | 0.005                     |
| 95         | 03/18/2011 | 09:48:32 | 0.006                     |
| 96         | 03/18/2011 | 09:49:32 | 0.006                     |
| 97         | 03/18/2011 | 09:50:32 | 0.007                     |
| 98         | 03/18/2011 | 09:51:32 | 0.008                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 99         | 03/18/2011 | 09:52:32 | 0.009                     |
| 100        | 03/18/2011 | 09:53:32 | 0.007                     |
| 101        | 03/18/2011 | 09:54:32 | 0.007                     |
| 102        | 03/18/2011 | 09:55:32 | 0.008                     |
| 103        | 03/18/2011 | 09:56:32 | 0.007                     |
| 104        | 03/18/2011 | 09:57:32 | 0.007                     |
| 105        | 03/18/2011 | 09:58:32 | 0.008                     |
| 106        | 03/18/2011 | 09:59:32 | 0.006                     |
| 107        | 03/18/2011 | 10:00:32 | 0.006                     |
| 108        | 03/18/2011 | 10:01:32 | 0.006                     |
| 109        | 03/18/2011 | 10:02:32 | 0.006                     |
| 110        | 03/18/2011 | 10:03:32 | 0.006                     |
| 111        | 03/18/2011 | 10:04:32 | 0.006                     |
| 112        | 03/18/2011 | 10:05:32 | 0.007                     |
| 113        | 03/18/2011 | 10:06:32 | 0.006                     |
| 114        | 03/18/2011 | 10:07:32 | 0.006                     |
| 115        | 03/18/2011 | 10:08:32 | 0.006                     |
| 116        | 03/18/2011 | 10:09:32 | 0.009                     |
| 117        | 03/18/2011 | 10:10:32 | 0.006                     |
| 118        | 03/18/2011 | 10:11:32 | 0.006                     |
| 119        | 03/18/2011 | 10:12:32 | 0.006                     |
| 120        | 03/18/2011 | 10:13:32 | 0.007                     |
| 121        | 03/18/2011 | 10:14:32 | 0.006                     |
| 122        | 03/18/2011 | 10:15:32 | 0.007                     |
| 123        | 03/18/2011 | 10:16:32 | 0.008                     |
| 124        | 03/18/2011 | 10:17:32 | 0.009                     |
| 125        | 03/18/2011 | 10:18:32 | 0.007                     |
| 126        | 03/18/2011 | 10:19:32 | 0.006                     |
| 127        | 03/18/2011 | 10:20:32 | 0.006                     |
| 128        | 03/18/2011 | 10:21:32 | 0.008                     |
| 129        | 03/18/2011 | 10:22:32 | 0.007                     |
| 130        | 03/18/2011 | 10:23:32 | 0.006                     |
| 131        | 03/18/2011 | 10:24:32 | 0.008                     |
| 132        | 03/18/2011 | 10:25:32 | 0.013                     |
| 133        | 03/18/2011 | 10:26:32 | 0.008                     |
| 134        | 03/18/2011 | 10:27:32 | 0.008                     |
| 135        | 03/18/2011 | 10:28:32 | 0.008                     |
| 136        | 03/18/2011 | 10:29:32 | 0.008                     |
| 137        | 03/18/2011 | 10:30:32 | 0.008                     |
| 138        | 03/18/2011 | 10:31:32 | 0.007                     |
| 139        | 03/18/2011 | 10:32:32 | 0.007                     |
| 140        | 03/18/2011 | 10:33:32 | 0.009                     |
| 141        | 03/18/2011 | 10:34:32 | 0.010                     |
| 142        | 03/18/2011 | 10:35:32 | 0.008                     |
| 143        | 03/18/2011 | 10:36:32 | 0.009                     |
| 144        | 03/18/2011 | 10:37:32 | 0.009                     |
| 145        | 03/18/2011 | 10:38:32 | 0.008                     |
| 146        | 03/18/2011 | 10:39:32 | 0.009                     |
| 147        | 03/18/2011 | 10:40:32 | 0.007                     |
| 148        | 03/18/2011 | 10:41:32 | 0.006                     |
| 149        | 03/18/2011 | 10:42:32 | 0.007                     |
| 150        | 03/18/2011 | 10:43:32 | 0.008                     |
| 151        | 03/18/2011 | 10:44:32 | 0.009                     |
| 152        | 03/18/2011 | 10:45:32 | 0.007                     |
| 153        | 03/18/2011 | 10:46:32 | 0.009                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 154        | 03/18/2011 | 10:47:32 | 0.008                     |
| 155        | 03/18/2011 | 10:48:32 | 0.008                     |
| 156        | 03/18/2011 | 10:49:32 | 0.006                     |
| 157        | 03/18/2011 | 10:50:32 | 0.007                     |
| 158        | 03/18/2011 | 10:51:32 | 0.009                     |
| 159        | 03/18/2011 | 10:52:32 | 0.008                     |
| 160        | 03/18/2011 | 10:53:32 | 0.008                     |
| 161        | 03/18/2011 | 10:54:32 | 0.010                     |
| 162        | 03/18/2011 | 10:55:32 | 0.007                     |
| 163        | 03/18/2011 | 10:56:32 | 0.008                     |
| 164        | 03/18/2011 | 10:57:32 | 0.007                     |
| 165        | 03/18/2011 | 10:58:32 | 0.007                     |
| 166        | 03/18/2011 | 10:59:32 | 0.007                     |
| 167        | 03/18/2011 | 11:00:32 | 0.009                     |
| 168        | 03/18/2011 | 11:01:32 | 0.008                     |
| 169        | 03/18/2011 | 11:02:32 | 0.007                     |
| 170        | 03/18/2011 | 11:03:32 | 0.009                     |
| 171        | 03/18/2011 | 11:04:32 | 0.006                     |
| 172        | 03/18/2011 | 11:05:32 | 0.009                     |
| 173        | 03/18/2011 | 11:06:32 | 0.008                     |
| 174        | 03/18/2011 | 11:07:32 | 0.008                     |
| 175        | 03/18/2011 | 11:08:32 | 0.006                     |
| 176        | 03/18/2011 | 11:09:32 | 0.009                     |
| 177        | 03/18/2011 | 11:10:32 | 0.006                     |
| 178        | 03/18/2011 | 11:11:32 | 0.009                     |
| 179        | 03/18/2011 | 11:12:32 | 0.008                     |
| 180        | 03/18/2011 | 11:13:32 | 0.008                     |
| 181        | 03/18/2011 | 11:14:32 | 0.008                     |
| 182        | 03/18/2011 | 11:15:32 | 0.008                     |
| 183        | 03/18/2011 | 11:16:32 | 0.007                     |
| 184        | 03/18/2011 | 11:17:32 | 0.007                     |
| 185        | 03/18/2011 | 11:18:32 | 0.006                     |
| 186        | 03/18/2011 | 11:19:32 | 0.007                     |
| 187        | 03/18/2011 | 11:20:32 | 0.006                     |
| 188        | 03/18/2011 | 11:21:32 | 0.007                     |
| 189        | 03/18/2011 | 11:22:32 | 0.009                     |
| 190        | 03/18/2011 | 11:23:32 | 0.006                     |
| 191        | 03/18/2011 | 11:24:32 | 0.006                     |
| 192        | 03/18/2011 | 11:25:32 | 0.007                     |
| 193        | 03/18/2011 | 11:26:32 | 0.007                     |
| 194        | 03/18/2011 | 11:27:32 | 0.006                     |
| 195        | 03/18/2011 | 11:28:32 | 0.006                     |
| 196        | 03/18/2011 | 11:29:32 | 0.007                     |
| 197        | 03/18/2011 | 11:30:32 | 0.006                     |
| 198        | 03/18/2011 | 11:31:32 | 0.006                     |
| 199        | 03/18/2011 | 11:32:32 | 0.006                     |
| 200        | 03/18/2011 | 11:33:32 | 0.006                     |
| 201        | 03/18/2011 | 11:34:32 | 0.005                     |
| 202        | 03/18/2011 | 11:35:32 | 0.006                     |
| 203        | 03/18/2011 | 11:36:32 | 0.006                     |
| 204        | 03/18/2011 | 11:37:32 | 0.006                     |
| 205        | 03/18/2011 | 11:38:32 | 0.006                     |
| 206        | 03/18/2011 | 11:39:32 | 0.007                     |
| 207        | 03/18/2011 | 11:40:32 | 0.006                     |
| 208        | 03/18/2011 | 11:41:32 | 0.006                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 209        | 03/18/2011 | 11:42:32 | 0.006                     |
| 210        | 03/18/2011 | 11:43:32 | 0.007                     |
| 211        | 03/18/2011 | 11:44:32 | 0.007                     |
| 212        | 03/18/2011 | 11:45:32 | 0.006                     |
| 213        | 03/18/2011 | 11:46:32 | 0.006                     |
| 214        | 03/18/2011 | 11:47:32 | 0.006                     |
| 215        | 03/18/2011 | 11:48:32 | 0.007                     |
| 216        | 03/18/2011 | 11:49:32 | 0.007                     |
| 217        | 03/18/2011 | 11:50:32 | 0.007                     |
| 218        | 03/18/2011 | 11:51:32 | 0.009                     |
| 219        | 03/18/2011 | 11:52:32 | 0.007                     |
| 220        | 03/18/2011 | 11:53:32 | 0.007                     |
| 221        | 03/18/2011 | 11:54:32 | 0.007                     |
| 222        | 03/18/2011 | 11:55:32 | 0.007                     |
| 223        | 03/18/2011 | 11:56:32 | 0.007                     |
| 224        | 03/18/2011 | 11:57:32 | 0.008                     |
| 225        | 03/18/2011 | 11:58:32 | 0.006                     |
| 226        | 03/18/2011 | 11:59:32 | 0.007                     |
| 227        | 03/18/2011 | 12:00:32 | 0.007                     |



# Test 004

| Instrument |           | Data Properties  |            |
|------------|-----------|------------------|------------|
| Model      | Dust Trak | Start Date       | 03/22/2011 |
| Meter S/N  | 85200174  | Start Time       | 08:22:33   |
|            |           | Stop Date        | 03/22/2011 |
|            |           | Stop Time        | 08:34:33   |
|            |           | Total Time       | 0:00:12:00 |
|            |           | Logging Interval | 60 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 03/22/2011 | 08:23:33 | 0.018                     |
| 2          | 03/22/2011 | 08:24:33 | 0.017                     |
| 3          | 03/22/2011 | 08:25:33 | 0.017                     |
| 4          | 03/22/2011 | 08:26:33 | 0.016                     |
| 5          | 03/22/2011 | 08:27:33 | 0.017                     |
| 6          | 03/22/2011 | 08:28:33 | 0.017                     |
| 7          | 03/22/2011 | 08:29:33 | 0.017                     |
| 8          | 03/22/2011 | 08:30:33 | 0.017                     |
| 9          | 03/22/2011 | 08:31:33 | 0.017                     |
| 10         | 03/22/2011 | 08:32:33 | 0.018                     |
| 11         | 03/22/2011 | 08:33:33 | 0.014                     |
| 12         | 03/22/2011 | 08:34:33 | 0.015                     |

# Test 003

| Instrument |           | Data Properties  |            |
|------------|-----------|------------------|------------|
| Model      | Dust Trak | Start Date       | 03/22/2011 |
| Meter S/N  | 85201834  | Start Time       | 08:27:11   |
|            |           | Stop Date        | 03/22/2011 |
|            |           | Stop Time        | 22:38:05   |
|            |           | Total Time       | 0:14:10:54 |
|            |           | Logging Interval | 60 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 03/22/2011 | 08:28:11 | 0.161                     |
| 2          | 03/22/2011 | 08:29:11 | 0.015                     |
| 3          | 03/22/2011 | 08:30:11 | 0.015                     |
| 4          | 03/22/2011 | 08:31:11 | 0.015                     |
| 5          | 03/22/2011 | 08:32:11 | 0.015                     |
| 6          | 03/22/2011 | 08:33:11 | 0.015                     |
| 7          | 03/22/2011 | 08:34:11 | 0.013                     |
| 8          | 03/22/2011 | 08:35:11 | 0.013                     |
| 9          | 03/22/2011 | 08:36:11 | 0.014                     |
| 10         | 03/22/2011 | 08:37:11 | 0.014                     |
| 11         | 03/22/2011 | 08:38:11 | 0.013                     |
| 12         | 03/22/2011 | 08:39:11 | 0.013                     |
| 13         | 03/22/2011 | 08:40:11 | 0.014                     |
| 14         | 03/22/2011 | 08:41:11 | 0.014                     |
| 15         | 03/22/2011 | 08:42:11 | 0.014                     |
| 16         | 03/22/2011 | 08:43:11 | 0.012                     |
| 17         | 03/22/2011 | 08:44:11 | 0.013                     |
| 18         | 03/22/2011 | 08:45:11 | 0.013                     |
| 19         | 03/22/2011 | 08:46:11 | 0.014                     |
| 20         | 03/22/2011 | 08:47:11 | 0.015                     |
| 21         | 03/22/2011 | 08:48:11 | 0.013                     |
| 22         | 03/22/2011 | 08:49:11 | 0.013                     |
| 23         | 03/22/2011 | 08:50:11 | 0.013                     |
| 24         | 03/22/2011 | 08:51:11 | 0.013                     |
| 25         | 03/22/2011 | 08:52:11 | 0.012                     |
| 26         | 03/22/2011 | 08:53:11 | 0.012                     |
| 27         | 03/22/2011 | 08:54:11 | 0.012                     |
| 28         | 03/22/2011 | 08:55:11 | 0.012                     |
| 29         | 03/22/2011 | 08:56:11 | 0.012                     |
| 30         | 03/22/2011 | 08:57:11 | 0.012                     |
| 31         | 03/22/2011 | 08:58:11 | 0.012                     |
| 32         | 03/22/2011 | 08:59:11 | 0.011                     |
| 33         | 03/22/2011 | 09:00:11 | 0.011                     |
| 34         | 03/22/2011 | 09:01:11 | 0.011                     |
| 35         | 03/22/2011 | 09:02:11 | 0.011                     |
| 36         | 03/22/2011 | 09:03:11 | 0.012                     |
| 37         | 03/22/2011 | 09:04:11 | 0.012                     |
| 38         | 03/22/2011 | 09:05:11 | 0.011                     |
| 39         | 03/22/2011 | 09:06:11 | 0.012                     |
| 40         | 03/22/2011 | 09:07:11 | 0.012                     |
| 41         | 03/22/2011 | 09:08:11 | 0.011                     |
| 42         | 03/22/2011 | 09:09:11 | 0.011                     |
| 43         | 03/22/2011 | 09:10:11 | 0.010                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 03/22/2011 | 09:11:11 | 0.011                     |
| 45         | 03/22/2011 | 09:12:11 | 0.010                     |
| 46         | 03/22/2011 | 09:13:11 | 0.011                     |
| 47         | 03/22/2011 | 09:14:11 | 0.011                     |
| 48         | 03/22/2011 | 09:15:11 | 0.012                     |
| 49         | 03/22/2011 | 09:16:11 | 0.010                     |
| 50         | 03/22/2011 | 09:17:11 | 0.010                     |
| 51         | 03/22/2011 | 09:18:11 | 0.011                     |
| 52         | 03/22/2011 | 09:19:11 | 0.011                     |
| 53         | 03/22/2011 | 09:20:11 | 0.011                     |
| 54         | 03/22/2011 | 09:21:11 | 0.011                     |
| 55         | 03/22/2011 | 09:22:11 | 0.011                     |
| 56         | 03/22/2011 | 09:23:11 | 0.012                     |
| 57         | 03/22/2011 | 09:24:11 | 0.012                     |
| 58         | 03/22/2011 | 09:25:11 | 0.012                     |
| 59         | 03/22/2011 | 09:26:11 | 0.012                     |
| 60         | 03/22/2011 | 09:27:11 | 0.010                     |
| 61         | 03/22/2011 | 09:28:11 | 0.010                     |
| 62         | 03/22/2011 | 09:29:11 | 0.010                     |
| 63         | 03/22/2011 | 09:30:11 | 0.011                     |
| 64         | 03/22/2011 | 09:31:11 | 0.010                     |
| 65         | 03/22/2011 | 09:32:11 | 0.010                     |
| 66         | 03/22/2011 | 09:33:11 | 0.011                     |
| 67         | 03/22/2011 | 09:34:11 | 0.011                     |
| 68         | 03/22/2011 | 09:35:11 | 0.010                     |
| 69         | 03/22/2011 | 09:36:11 | 0.010                     |
| 70         | 03/22/2011 | 09:37:11 | 0.010                     |
| 71         | 03/22/2011 | 09:38:11 | 0.011                     |
| 72         | 03/22/2011 | 09:39:11 | 0.011                     |
| 73         | 03/22/2011 | 09:40:11 | 0.010                     |
| 74         | 03/22/2011 | 09:41:11 | 0.010                     |
| 75         | 03/22/2011 | 09:42:11 | 0.010                     |
| 76         | 03/22/2011 | 09:43:11 | 0.010                     |
| 77         | 03/22/2011 | 09:44:11 | 0.010                     |
| 78         | 03/22/2011 | 09:45:11 | 0.009                     |
| 79         | 03/22/2011 | 09:46:11 | 0.009                     |
| 80         | 03/22/2011 | 09:47:11 | 0.010                     |
| 81         | 03/22/2011 | 09:48:11 | 0.010                     |
| 82         | 03/22/2011 | 09:49:11 | 0.009                     |
| 83         | 03/22/2011 | 09:50:11 | 0.009                     |
| 84         | 03/22/2011 | 09:51:11 | 0.008                     |
| 85         | 03/22/2011 | 09:52:11 | 0.009                     |
| 86         | 03/22/2011 | 09:53:11 | 0.009                     |
| 87         | 03/22/2011 | 09:54:11 | 0.010                     |
| 88         | 03/22/2011 | 09:55:11 | 0.009                     |
| 89         | 03/22/2011 | 09:56:11 | 0.011                     |
| 90         | 03/22/2011 | 09:57:11 | 0.011                     |
| 91         | 03/22/2011 | 09:58:11 | 0.011                     |
| 92         | 03/22/2011 | 09:59:11 | 0.012                     |
| 93         | 03/22/2011 | 10:00:11 | 0.009                     |
| 94         | 03/22/2011 | 10:01:11 | 0.009                     |
| 95         | 03/22/2011 | 10:02:11 | 0.009                     |
| 96         | 03/22/2011 | 10:03:11 | 0.009                     |
| 97         | 03/22/2011 | 10:04:11 | 0.011                     |
| 98         | 03/22/2011 | 10:05:11 | 0.010                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 99         | 03/22/2011 | 10:06:11 | 0.009                     |
| 100        | 03/22/2011 | 10:07:11 | 0.009                     |
| 101        | 03/22/2011 | 10:08:11 | 0.008                     |
| 102        | 03/22/2011 | 10:09:11 | 0.008                     |
| 103        | 03/22/2011 | 10:10:11 | 0.008                     |
| 104        | 03/22/2011 | 10:11:11 | 0.008                     |
| 105        | 03/22/2011 | 10:12:11 | 0.008                     |
| 106        | 03/22/2011 | 10:13:11 | 0.008                     |
| 107        | 03/22/2011 | 10:14:11 | 0.008                     |
| 108        | 03/22/2011 | 10:15:11 | 0.009                     |
| 109        | 03/22/2011 | 10:16:11 | 0.009                     |
| 110        | 03/22/2011 | 10:17:11 | 0.008                     |
| 111        | 03/22/2011 | 10:18:11 | 0.009                     |
| 112        | 03/22/2011 | 10:19:11 | 0.008                     |
| 113        | 03/22/2011 | 10:20:11 | 0.008                     |
| 114        | 03/22/2011 | 10:21:11 | 0.009                     |
| 115        | 03/22/2011 | 10:22:11 | 0.008                     |
| 116        | 03/22/2011 | 10:23:11 | 0.009                     |
| 117        | 03/22/2011 | 10:24:11 | 0.008                     |
| 118        | 03/22/2011 | 10:25:11 | 0.008                     |
| 119        | 03/22/2011 | 10:26:11 | 0.008                     |
| 120        | 03/22/2011 | 10:27:11 | 0.008                     |
| 121        | 03/22/2011 | 10:28:11 | 0.008                     |
| 122        | 03/22/2011 | 10:29:11 | 0.007                     |
| 123        | 03/22/2011 | 10:30:11 | 0.008                     |
| 124        | 03/22/2011 | 10:31:11 | 0.009                     |
| 125        | 03/22/2011 | 10:32:11 | 0.008                     |
| 126        | 03/22/2011 | 10:33:11 | 0.009                     |
| 127        | 03/22/2011 | 10:34:11 | 0.009                     |
| 128        | 03/22/2011 | 10:35:11 | 0.008                     |
| 129        | 03/22/2011 | 10:36:11 | 0.010                     |
| 130        | 03/22/2011 | 10:37:11 | 0.008                     |
| 131        | 03/22/2011 | 10:38:11 | 0.009                     |
| 132        | 03/22/2011 | 10:39:11 | 0.008                     |
| 133        | 03/22/2011 | 10:40:11 | 0.009                     |
| 134        | 03/22/2011 | 10:41:11 | 0.008                     |

# Test 001

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 04/14/2011  |
| Meter S/N  | 22812     | Start Time       | 09:30:54    |
|            |           | Stop Date        | 04/14/2011  |
|            |           | Stop Time        | 16:45:54    |
|            |           | Total Time       | 0:07:15:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 04/14/2011 | 09:35:54 | 0.024                     |
| 2          | 04/14/2011 | 09:40:54 | 0.024                     |
| 3          | 04/14/2011 | 09:45:54 | 0.024                     |
| 4          | 04/14/2011 | 09:50:54 | 0.023                     |
| 5          | 04/14/2011 | 09:55:54 | 0.022                     |
| 6          | 04/14/2011 | 10:00:54 | 0.021                     |
| 7          | 04/14/2011 | 10:05:54 | 0.020                     |
| 8          | 04/14/2011 | 10:10:54 | 0.028                     |
| 9          | 04/14/2011 | 10:15:54 | 0.016                     |
| 10         | 04/14/2011 | 10:20:54 | 0.015                     |
| 11         | 04/14/2011 | 10:25:54 | 0.014                     |
| 12         | 04/14/2011 | 10:30:54 | 0.015                     |
| 13         | 04/14/2011 | 10:35:54 | 0.015                     |
| 14         | 04/14/2011 | 10:40:54 | 0.018                     |
| 15         | 04/14/2011 | 10:45:54 | 0.017                     |
| 16         | 04/14/2011 | 10:50:54 | 0.019                     |
| 17         | 04/14/2011 | 10:55:54 | 0.016                     |
| 18         | 04/14/2011 | 11:00:54 | 0.015                     |
| 19         | 04/14/2011 | 11:05:54 | 0.013                     |
| 20         | 04/14/2011 | 11:10:54 | 0.013                     |
| 21         | 04/14/2011 | 11:15:54 | 0.015                     |
| 22         | 04/14/2011 | 11:20:54 | 0.013                     |
| 23         | 04/14/2011 | 11:25:54 | 0.012                     |
| 24         | 04/14/2011 | 11:30:54 | 0.012                     |
| 25         | 04/14/2011 | 11:35:54 | 0.012                     |
| 26         | 04/14/2011 | 11:40:54 | 0.012                     |
| 27         | 04/14/2011 | 11:45:54 | 0.012                     |
| 28         | 04/14/2011 | 11:50:54 | 0.012                     |
| 29         | 04/14/2011 | 11:55:54 | 0.013                     |
| 30         | 04/14/2011 | 12:00:54 | 0.012                     |
| 31         | 04/14/2011 | 12:05:54 | 0.012                     |
| 32         | 04/14/2011 | 12:10:54 | 0.013                     |
| 33         | 04/14/2011 | 12:15:54 | 0.012                     |
| 34         | 04/14/2011 | 12:20:54 | 0.013                     |
| 35         | 04/14/2011 | 12:25:54 | 0.015                     |
| 36         | 04/14/2011 | 12:30:54 | 0.013                     |
| 37         | 04/14/2011 | 12:35:54 | 0.011                     |
| 38         | 04/14/2011 | 12:40:54 | 0.012                     |
| 39         | 04/14/2011 | 12:45:54 | 0.013                     |
| 40         | 04/14/2011 | 12:50:54 | 0.013                     |
| 41         | 04/14/2011 | 12:55:54 | 0.013                     |
| 42         | 04/14/2011 | 13:00:54 | 0.013                     |
| 43         | 04/14/2011 | 13:05:54 | 0.013                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 04/14/2011 | 13:10:54 | 0.013                     |
| 45         | 04/14/2011 | 13:15:54 | 0.013                     |
| 46         | 04/14/2011 | 13:20:54 | 0.012                     |
| 47         | 04/14/2011 | 13:25:54 | 0.013                     |
| 48         | 04/14/2011 | 13:30:54 | 0.013                     |
| 49         | 04/14/2011 | 13:35:54 | 0.014                     |
| 50         | 04/14/2011 | 13:40:54 | 0.015                     |
| 51         | 04/14/2011 | 13:45:54 | 0.016                     |
| 52         | 04/14/2011 | 13:50:54 | 0.016                     |
| 53         | 04/14/2011 | 13:55:54 | 0.016                     |
| 54         | 04/14/2011 | 14:00:54 | 0.016                     |
| 55         | 04/14/2011 | 14:05:54 | 0.017                     |
| 56         | 04/14/2011 | 14:10:54 | 0.016                     |
| 57         | 04/14/2011 | 14:15:54 | 0.016                     |
| 58         | 04/14/2011 | 14:20:54 | 0.017                     |
| 59         | 04/14/2011 | 14:25:54 | 0.017                     |
| 60         | 04/14/2011 | 14:30:54 | 0.017                     |
| 61         | 04/14/2011 | 14:35:54 | 0.015                     |
| 62         | 04/14/2011 | 14:40:54 | 0.014                     |
| 63         | 04/14/2011 | 14:45:54 | 0.013                     |
| 64         | 04/14/2011 | 14:50:54 | 0.013                     |
| 65         | 04/14/2011 | 14:55:54 | 0.014                     |
| 66         | 04/14/2011 | 15:00:54 | 0.012                     |
| 67         | 04/14/2011 | 15:05:54 | 0.011                     |
| 68         | 04/14/2011 | 15:10:54 | 0.011                     |
| 69         | 04/14/2011 | 15:15:54 | 0.012                     |
| 70         | 04/14/2011 | 15:20:54 | 0.012                     |
| 71         | 04/14/2011 | 15:25:54 | 0.010                     |
| 72         | 04/14/2011 | 15:30:54 | 0.009                     |
| 73         | 04/14/2011 | 15:35:54 | 0.009                     |
| 74         | 04/14/2011 | 15:40:54 | 0.008                     |
| 75         | 04/14/2011 | 15:45:54 | 0.008                     |
| 76         | 04/14/2011 | 15:50:54 | 0.008                     |
| 77         | 04/14/2011 | 15:55:54 | 0.008                     |
| 78         | 04/14/2011 | 16:00:54 | 0.008                     |
| 79         | 04/14/2011 | 16:05:54 | 0.007                     |
| 80         | 04/14/2011 | 16:10:54 | 0.007                     |
| 81         | 04/14/2011 | 16:15:54 | 0.007                     |
| 82         | 04/14/2011 | 16:20:54 | 0.006                     |
| 83         | 04/14/2011 | 16:25:54 | 0.006                     |
| 84         | 04/14/2011 | 16:30:54 | 0.007                     |
| 85         | 04/14/2011 | 16:35:54 | 0.006                     |
| 86         | 04/14/2011 | 16:40:54 | 0.007                     |
| 87         | 04/14/2011 | 16:45:54 | 0.006                     |

# Test 004

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 04/14/2011  |
| Meter S/N  | 85201834  | Start Time       | 09:22:36    |
|            |           | Stop Date        | 04/14/2011  |
|            |           | Stop Time        | 16:47:36    |
|            |           | Total Time       | 0:07:25:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 04/14/2011 | 09:27:36 | 0.027                     |
| 2          | 04/14/2011 | 09:32:36 | 0.027                     |
| 3          | 04/14/2011 | 09:37:36 | 0.032                     |
| 4          | 04/14/2011 | 09:42:36 | 0.034                     |
| 5          | 04/14/2011 | 09:47:36 | 0.044                     |
| 6          | 04/14/2011 | 09:52:36 | 0.025                     |
| 7          | 04/14/2011 | 09:57:36 | 0.022                     |
| 8          | 04/14/2011 | 10:02:36 | 0.027                     |
| 9          | 04/14/2011 | 10:07:36 | 0.021                     |
| 10         | 04/14/2011 | 10:12:36 | 0.025                     |
| 11         | 04/14/2011 | 10:17:36 | 0.020                     |
| 12         | 04/14/2011 | 10:22:36 | 0.016                     |
| 13         | 04/14/2011 | 10:27:36 | 0.016                     |
| 14         | 04/14/2011 | 10:32:36 | 0.015                     |
| 15         | 04/14/2011 | 10:37:36 | 0.016                     |
| 16         | 04/14/2011 | 10:42:36 | 0.015                     |
| 17         | 04/14/2011 | 10:47:36 | 0.015                     |
| 18         | 04/14/2011 | 10:52:36 | 0.015                     |
| 19         | 04/14/2011 | 10:57:36 | 0.016                     |
| 20         | 04/14/2011 | 11:02:36 | 0.015                     |
| 21         | 04/14/2011 | 11:07:36 | 0.015                     |
| 22         | 04/14/2011 | 11:12:36 | 0.015                     |
| 23         | 04/14/2011 | 11:17:36 | 0.015                     |
| 24         | 04/14/2011 | 11:22:36 | 0.014                     |
| 25         | 04/14/2011 | 11:27:36 | 0.014                     |
| 26         | 04/14/2011 | 11:32:36 | 0.015                     |
| 27         | 04/14/2011 | 11:37:36 | 0.014                     |
| 28         | 04/14/2011 | 11:42:36 | 0.014                     |
| 29         | 04/14/2011 | 11:47:36 | 0.026                     |
| 30         | 04/14/2011 | 11:52:36 | 0.031                     |
| 31         | 04/14/2011 | 11:57:36 | 0.031                     |
| 32         | 04/14/2011 | 12:02:36 | 0.015                     |
| 33         | 04/14/2011 | 12:07:36 | 0.030                     |
| 34         | 04/14/2011 | 12:12:36 | 0.037                     |
| 35         | 04/14/2011 | 12:17:36 | 0.039                     |
| 36         | 04/14/2011 | 12:22:36 | 0.043                     |
| 37         | 04/14/2011 | 12:27:36 | 0.036                     |
| 38         | 04/14/2011 | 12:32:36 | 0.037                     |
| 39         | 04/14/2011 | 12:37:36 | 0.018                     |
| 40         | 04/14/2011 | 12:42:36 | 0.036                     |
| 41         | 04/14/2011 | 12:47:36 | 0.033                     |
| 42         | 04/14/2011 | 12:52:36 | 0.037                     |
| 43         | 04/14/2011 | 12:57:36 | 0.018                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 04/14/2011 | 13:02:36 | 0.038                     |
| 45         | 04/14/2011 | 13:07:36 | 0.027                     |
| 46         | 04/14/2011 | 13:12:36 | 0.017                     |
| 47         | 04/14/2011 | 13:17:36 | 0.029                     |
| 48         | 04/14/2011 | 13:22:36 | 0.030                     |
| 49         | 04/14/2011 | 13:27:36 | 0.038                     |
| 50         | 04/14/2011 | 13:32:36 | 0.028                     |
| 51         | 04/14/2011 | 13:37:36 | 0.040                     |
| 52         | 04/14/2011 | 13:42:36 | 0.040                     |
| 53         | 04/14/2011 | 13:47:36 | 0.042                     |
| 54         | 04/14/2011 | 13:52:36 | 0.041                     |
| 55         | 04/14/2011 | 13:57:36 | 0.040                     |
| 56         | 04/14/2011 | 14:02:36 | 0.043                     |
| 57         | 04/14/2011 | 14:07:36 | 0.042                     |
| 58         | 04/14/2011 | 14:12:36 | 0.041                     |
| 59         | 04/14/2011 | 14:17:36 | 0.042                     |
| 60         | 04/14/2011 | 14:22:36 | 0.046                     |
| 61         | 04/14/2011 | 14:27:36 | 0.050                     |
| 62         | 04/14/2011 | 14:32:36 | 0.043                     |
| 63         | 04/14/2011 | 14:37:36 | 0.023                     |
| 64         | 04/14/2011 | 14:42:36 | 0.020                     |
| 65         | 04/14/2011 | 14:47:36 | 0.019                     |
| 66         | 04/14/2011 | 14:52:36 | 0.018                     |
| 67         | 04/14/2011 | 14:57:36 | 0.015                     |
| 68         | 04/14/2011 | 15:02:36 | 0.012                     |
| 69         | 04/14/2011 | 15:07:36 | 0.021                     |
| 70         | 04/14/2011 | 15:12:36 | 0.023                     |
| 71         | 04/14/2011 | 15:17:36 | 0.017                     |
| 72         | 04/14/2011 | 15:22:36 | 0.029                     |
| 73         | 04/14/2011 | 15:27:36 | 0.030                     |
| 74         | 04/14/2011 | 15:32:36 | 0.016                     |
| 75         | 04/14/2011 | 15:37:36 | 0.013                     |
| 76         | 04/14/2011 | 15:42:36 | 0.010                     |
| 77         | 04/14/2011 | 15:47:36 | 0.009                     |
| 78         | 04/14/2011 | 15:52:36 | 0.008                     |
| 79         | 04/14/2011 | 15:57:36 | 0.008                     |
| 80         | 04/14/2011 | 16:02:36 | 0.008                     |
| 81         | 04/14/2011 | 16:07:36 | 0.008                     |
| 82         | 04/14/2011 | 16:12:36 | 0.012                     |
| 83         | 04/14/2011 | 16:17:36 | 0.009                     |
| 84         | 04/14/2011 | 16:22:36 | 0.008                     |
| 85         | 04/14/2011 | 16:27:36 | 0.007                     |
| 86         | 04/14/2011 | 16:32:36 | 0.008                     |
| 87         | 04/14/2011 | 16:37:36 | 0.008                     |
| 88         | 04/14/2011 | 16:42:36 | 0.007                     |
| 89         | 04/14/2011 | 16:47:36 | 0.007                     |



# Test 002

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 04/15/2011  |
| Meter S/N  | 22812     | Start Time       | 08:27:36    |
|            |           | Stop Date        | 04/15/2011  |
|            |           | Stop Time        | 08:57:36    |
|            |           | Total Time       | 0:00:30:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 04/15/2011 | 08:32:36 | 0.022                     |
| 2          | 04/15/2011 | 08:37:36 | 0.030                     |
| 3          | 04/15/2011 | 08:42:36 | 0.021                     |
| 4          | 04/15/2011 | 08:47:36 | 0.028                     |
| 5          | 04/15/2011 | 08:52:36 | 0.021                     |
| 6          | 04/15/2011 | 08:57:36 | 0.041                     |

# Test 002

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 05/04/2011  |
| Meter S/N  | 85201531  | Start Time       | 07:58:49    |
|            |           | Stop Date        | 05/04/2011  |
|            |           | Stop Time        | 14:58:49    |
|            |           | Total Time       | 0:07:00:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 05/04/2011 | 08:03:49 | 0.014                     |
| 2          | 05/04/2011 | 08:08:49 | 0.012                     |
| 3          | 05/04/2011 | 08:13:49 | 0.014                     |
| 4          | 05/04/2011 | 08:18:49 | 0.015                     |
| 5          | 05/04/2011 | 08:23:49 | 0.014                     |
| 6          | 05/04/2011 | 08:28:49 | 0.009                     |
| 7          | 05/04/2011 | 08:33:49 | 0.007                     |
| 8          | 05/04/2011 | 08:38:49 | 0.008                     |
| 9          | 05/04/2011 | 08:43:49 | 0.007                     |
| 10         | 05/04/2011 | 08:48:49 | 0.005                     |
| 11         | 05/04/2011 | 08:53:49 | 0.006                     |
| 12         | 05/04/2011 | 08:58:49 | 0.008                     |
| 13         | 05/04/2011 | 09:03:49 | 0.014                     |
| 14         | 05/04/2011 | 09:08:49 | 0.008                     |
| 15         | 05/04/2011 | 09:13:49 | 0.011                     |
| 16         | 05/04/2011 | 09:18:49 | 0.009                     |
| 17         | 05/04/2011 | 09:23:49 | 0.010                     |
| 18         | 05/04/2011 | 09:28:49 | 0.009                     |
| 19         | 05/04/2011 | 09:33:49 | 0.015                     |
| 20         | 05/04/2011 | 09:38:49 | 0.008                     |
| 21         | 05/04/2011 | 09:43:49 | 0.009                     |
| 22         | 05/04/2011 | 09:48:49 | 0.008                     |
| 23         | 05/04/2011 | 09:53:49 | 0.010                     |
| 24         | 05/04/2011 | 09:58:49 | 0.014                     |
| 25         | 05/04/2011 | 10:03:49 | 0.020                     |
| 26         | 05/04/2011 | 10:08:49 | 0.019                     |
| 27         | 05/04/2011 | 10:13:49 | 0.021                     |
| 28         | 05/04/2011 | 10:18:49 | 0.020                     |
| 29         | 05/04/2011 | 10:23:49 | 0.030                     |
| 30         | 05/04/2011 | 10:28:49 | 0.026                     |
| 31         | 05/04/2011 | 10:33:49 | 0.033                     |
| 32         | 05/04/2011 | 10:38:49 | 0.029                     |
| 33         | 05/04/2011 | 10:43:49 | 0.031                     |
| 34         | 05/04/2011 | 10:48:49 | 0.039                     |
| 35         | 05/04/2011 | 10:53:49 | 0.026                     |
| 36         | 05/04/2011 | 10:58:49 | 0.016                     |
| 37         | 05/04/2011 | 11:03:49 | 0.027                     |
| 38         | 05/04/2011 | 11:08:49 | 0.015                     |
| 39         | 05/04/2011 | 11:13:49 | 0.022                     |
| 40         | 05/04/2011 | 11:18:49 | 0.020                     |
| 41         | 05/04/2011 | 11:23:49 | 0.020                     |
| 42         | 05/04/2011 | 11:28:49 | 0.009                     |
| 43         | 05/04/2011 | 11:33:49 | 0.006                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 05/04/2011 | 11:38:49 | 0.007                     |
| 45         | 05/04/2011 | 11:43:49 | 0.006                     |
| 46         | 05/04/2011 | 11:48:49 | 0.007                     |
| 47         | 05/04/2011 | 11:53:49 | 0.007                     |
| 48         | 05/04/2011 | 11:58:49 | 0.006                     |
| 49         | 05/04/2011 | 12:03:49 | 0.006                     |
| 50         | 05/04/2011 | 12:08:49 | 0.006                     |
| 51         | 05/04/2011 | 12:13:49 | 0.007                     |
| 52         | 05/04/2011 | 12:18:49 | 0.005                     |
| 53         | 05/04/2011 | 12:23:49 | 0.007                     |
| 54         | 05/04/2011 | 12:28:49 | 0.008                     |
| 55         | 05/04/2011 | 12:33:49 | 0.006                     |
| 56         | 05/04/2011 | 12:38:49 | 0.006                     |
| 57         | 05/04/2011 | 12:43:49 | 0.007                     |
| 58         | 05/04/2011 | 12:48:49 | 0.010                     |
| 59         | 05/04/2011 | 12:53:49 | 0.005                     |
| 60         | 05/04/2011 | 12:58:49 | 0.005                     |
| 61         | 05/04/2011 | 13:03:49 | 0.007                     |
| 62         | 05/04/2011 | 13:08:49 | 0.008                     |
| 63         | 05/04/2011 | 13:13:49 | 0.011                     |
| 64         | 05/04/2011 | 13:18:49 | 0.008                     |
| 65         | 05/04/2011 | 13:23:49 | 0.006                     |
| 66         | 05/04/2011 | 13:28:49 | 0.005                     |
| 67         | 05/04/2011 | 13:33:49 | 0.006                     |
| 68         | 05/04/2011 | 13:38:49 | 0.008                     |
| 69         | 05/04/2011 | 13:43:49 | 0.006                     |
| 70         | 05/04/2011 | 13:48:49 | 0.007                     |
| 71         | 05/04/2011 | 13:53:49 | 0.007                     |
| 72         | 05/04/2011 | 13:58:49 | 0.007                     |
| 73         | 05/04/2011 | 14:03:49 | 0.008                     |
| 74         | 05/04/2011 | 14:08:49 | 0.006                     |
| 75         | 05/04/2011 | 14:13:49 | 0.007                     |
| 76         | 05/04/2011 | 14:18:49 | 0.006                     |
| 77         | 05/04/2011 | 14:23:49 | 0.005                     |
| 78         | 05/04/2011 | 14:28:49 | 0.006                     |
| 79         | 05/04/2011 | 14:33:49 | 0.006                     |
| 80         | 05/04/2011 | 14:38:49 | 0.006                     |
| 81         | 05/04/2011 | 14:43:49 | 0.006                     |
| 82         | 05/04/2011 | 14:48:49 | 0.005                     |
| 83         | 05/04/2011 | 14:53:49 | 0.005                     |
| 84         | 05/04/2011 | 14:58:49 | 0.004                     |

# Test 003

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 04/15/2011  |
| Meter S/N  | 22812     | Start Time       | 09:02:10    |
|            |           | Stop Date        | 04/15/2011  |
|            |           | Stop Time        | 12:17:10    |
|            |           | Total Time       | 0:03:15:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 04/15/2011 | 09:07:10 | 0.049                     |
| 2          | 04/15/2011 | 09:12:10 | 0.021                     |
| 3          | 04/15/2011 | 09:17:10 | 0.014                     |
| 4          | 04/15/2011 | 09:22:10 | 0.011                     |
| 5          | 04/15/2011 | 09:27:10 | 0.007                     |
| 6          | 04/15/2011 | 09:32:10 | 0.013                     |
| 7          | 04/15/2011 | 09:37:10 | 0.007                     |
| 8          | 04/15/2011 | 09:42:10 | 0.020                     |
| 9          | 04/15/2011 | 09:47:10 | 0.011                     |
| 10         | 04/15/2011 | 09:52:10 | 0.007                     |
| 11         | 04/15/2011 | 09:57:10 | 0.009                     |
| 12         | 04/15/2011 | 10:02:10 | 0.008                     |
| 13         | 04/15/2011 | 10:07:10 | 0.009                     |
| 14         | 04/15/2011 | 10:12:10 | 0.022                     |
| 15         | 04/15/2011 | 10:17:10 | 0.011                     |
| 16         | 04/15/2011 | 10:22:10 | 0.014                     |
| 17         | 04/15/2011 | 10:27:10 | 0.007                     |
| 18         | 04/15/2011 | 10:32:10 | 0.008                     |
| 19         | 04/15/2011 | 10:37:10 | 0.018                     |
| 20         | 04/15/2011 | 10:42:10 | 0.021                     |
| 21         | 04/15/2011 | 10:47:10 | 0.014                     |
| 22         | 04/15/2011 | 10:52:10 | 0.016                     |
| 23         | 04/15/2011 | 10:57:10 | 0.010                     |
| 24         | 04/15/2011 | 11:02:10 | 0.011                     |
| 25         | 04/15/2011 | 11:07:10 | 0.009                     |
| 26         | 04/15/2011 | 11:12:10 | 0.017                     |
| 27         | 04/15/2011 | 11:17:10 | 0.078                     |
| 28         | 04/15/2011 | 11:22:10 | 0.038                     |
| 29         | 04/15/2011 | 11:27:10 | 0.020                     |
| 30         | 04/15/2011 | 11:32:10 | 0.074                     |
| 31         | 04/15/2011 | 11:37:10 | 0.058                     |
| 32         | 04/15/2011 | 11:42:10 | 0.010                     |
| 33         | 04/15/2011 | 11:47:10 | 0.008                     |
| 34         | 04/15/2011 | 11:52:10 | 0.008                     |
| 35         | 04/15/2011 | 11:57:10 | 0.011                     |
| 36         | 04/15/2011 | 12:02:10 | 0.008                     |
| 37         | 04/15/2011 | 12:07:10 | 0.021                     |
| 38         | 04/15/2011 | 12:12:10 | 0.007                     |
| 39         | 04/15/2011 | 12:17:10 | 0.018                     |

# Test 005

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 04/15/2011  |
| Meter S/N  | 85201834  | Start Time       | 08:57:11    |
|            |           | Stop Date        | 04/15/2011  |
|            |           | Stop Time        | 16:07:11    |
|            |           | Total Time       | 0:07:10:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 04/15/2011 | 09:02:11 | 0.013                     |
| 2          | 04/15/2011 | 09:07:11 | 0.013                     |
| 3          | 04/15/2011 | 09:12:11 | 0.014                     |
| 4          | 04/15/2011 | 09:17:11 | 0.013                     |
| 5          | 04/15/2011 | 09:22:11 | 0.014                     |
| 6          | 04/15/2011 | 09:27:11 | 0.014                     |
| 7          | 04/15/2011 | 09:32:11 | 0.013                     |
| 8          | 04/15/2011 | 09:37:11 | 0.014                     |
| 9          | 04/15/2011 | 09:42:11 | 0.018                     |
| 10         | 04/15/2011 | 09:47:11 | 0.014                     |
| 11         | 04/15/2011 | 09:52:11 | 0.013                     |
| 12         | 04/15/2011 | 09:57:11 | 0.014                     |
| 13         | 04/15/2011 | 10:02:11 | 0.014                     |
| 14         | 04/15/2011 | 10:07:11 | 0.015                     |
| 15         | 04/15/2011 | 10:12:11 | 0.014                     |
| 16         | 04/15/2011 | 10:17:11 | 0.015                     |
| 17         | 04/15/2011 | 10:22:11 | 0.014                     |
| 18         | 04/15/2011 | 10:27:11 | 0.017                     |
| 19         | 04/15/2011 | 10:32:11 | 0.014                     |
| 20         | 04/15/2011 | 10:37:11 | 0.015                     |
| 21         | 04/15/2011 | 10:42:11 | 0.014                     |
| 22         | 04/15/2011 | 10:47:11 | 0.015                     |
| 23         | 04/15/2011 | 10:52:11 | 0.015                     |
| 24         | 04/15/2011 | 10:57:11 | 0.016                     |
| 25         | 04/15/2011 | 11:02:11 | 0.015                     |
| 26         | 04/15/2011 | 11:07:11 | 0.014                     |
| 27         | 04/15/2011 | 11:12:11 | 0.018                     |
| 28         | 04/15/2011 | 11:17:11 | 0.016                     |
| 29         | 04/15/2011 | 11:22:11 | 0.016                     |
| 30         | 04/15/2011 | 11:27:11 | 0.015                     |
| 31         | 04/15/2011 | 11:32:11 | 0.016                     |
| 32         | 04/15/2011 | 11:37:11 | 0.022                     |
| 33         | 04/15/2011 | 11:42:11 | 0.018                     |
| 34         | 04/15/2011 | 11:47:11 | 0.017                     |
| 35         | 04/15/2011 | 11:52:11 | 0.017                     |
| 36         | 04/15/2011 | 11:57:11 | 0.019                     |
| 37         | 04/15/2011 | 12:02:11 | 0.016                     |
| 38         | 04/15/2011 | 12:07:11 | 0.016                     |
| 39         | 04/15/2011 | 12:12:11 | 0.016                     |
| 40         | 04/15/2011 | 12:17:11 | 0.018                     |
| 41         | 04/15/2011 | 12:22:11 | 0.016                     |
| 42         | 04/15/2011 | 12:27:11 | 0.016                     |
| 43         | 04/15/2011 | 12:32:11 | 0.016                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 04/15/2011 | 12:37:11 | 0.016                     |
| 45         | 04/15/2011 | 12:42:11 | 0.016                     |
| 46         | 04/15/2011 | 12:47:11 | 0.015                     |
| 47         | 04/15/2011 | 12:52:11 | 0.017                     |
| 48         | 04/15/2011 | 12:57:11 | 0.016                     |
| 49         | 04/15/2011 | 13:02:11 | 0.016                     |
| 50         | 04/15/2011 | 13:07:11 | 0.016                     |
| 51         | 04/15/2011 | 13:12:11 | 0.017                     |
| 52         | 04/15/2011 | 13:17:11 | 0.017                     |
| 53         | 04/15/2011 | 13:22:11 | 0.016                     |
| 54         | 04/15/2011 | 13:27:11 | 0.016                     |
| 55         | 04/15/2011 | 13:32:11 | 0.016                     |
| 56         | 04/15/2011 | 13:37:11 | 0.015                     |
| 57         | 04/15/2011 | 13:42:11 | 0.015                     |
| 58         | 04/15/2011 | 13:47:11 | 0.023                     |
| 59         | 04/15/2011 | 13:52:11 | 0.018                     |
| 60         | 04/15/2011 | 13:57:11 | 0.019                     |
| 61         | 04/15/2011 | 14:02:11 | 0.015                     |
| 62         | 04/15/2011 | 14:07:11 | 0.016                     |
| 63         | 04/15/2011 | 14:12:11 | 0.017                     |
| 64         | 04/15/2011 | 14:17:11 | 0.017                     |
| 65         | 04/15/2011 | 14:22:11 | 0.020                     |
| 66         | 04/15/2011 | 14:27:11 | 0.017                     |
| 67         | 04/15/2011 | 14:32:11 | 0.017                     |
| 68         | 04/15/2011 | 14:37:11 | 0.021                     |
| 69         | 04/15/2011 | 14:42:11 | 0.019                     |
| 70         | 04/15/2011 | 14:47:11 | 0.026                     |
| 71         | 04/15/2011 | 14:52:11 | 0.018                     |
| 72         | 04/15/2011 | 14:57:11 | 0.024                     |
| 73         | 04/15/2011 | 15:02:11 | 0.017                     |
| 74         | 04/15/2011 | 15:07:11 | 0.018                     |
| 75         | 04/15/2011 | 15:12:11 | 0.020                     |
| 76         | 04/15/2011 | 15:17:11 | 0.017                     |
| 77         | 04/15/2011 | 15:22:11 | 0.017                     |
| 78         | 04/15/2011 | 15:27:11 | 0.017                     |
| 79         | 04/15/2011 | 15:32:11 | 0.034                     |
| 80         | 04/15/2011 | 15:37:11 | 0.041                     |
| 81         | 04/15/2011 | 15:42:11 | 0.037                     |
| 82         | 04/15/2011 | 15:47:11 | 0.036                     |
| 83         | 04/15/2011 | 15:52:11 | 0.035                     |
| 84         | 04/15/2011 | 15:57:11 | 0.034                     |
| 85         | 04/15/2011 | 16:02:11 | 0.031                     |
| 86         | 04/15/2011 | 16:07:11 | 0.040                     |

# Test 001

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 05/02/2011  |
| Meter S/N  | 85200608  | Start Time       | 10:14:16    |
|            |           | Stop Date        | 05/02/2011  |
|            |           | Stop Time        | 13:34:16    |
|            |           | Total Time       | 0:03:20:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 05/02/2011 | 10:19:16 | 0.037                     |
| 2          | 05/02/2011 | 10:24:16 | 0.038                     |
| 3          | 05/02/2011 | 10:29:16 | 0.038                     |
| 4          | 05/02/2011 | 10:34:16 | 0.039                     |
| 5          | 05/02/2011 | 10:39:16 | 0.039                     |
| 6          | 05/02/2011 | 10:44:16 | 0.039                     |
| 7          | 05/02/2011 | 10:49:16 | 0.039                     |
| 8          | 05/02/2011 | 10:54:16 | 0.039                     |
| 9          | 05/02/2011 | 10:59:16 | 0.040                     |
| 10         | 05/02/2011 | 11:04:16 | 0.040                     |
| 11         | 05/02/2011 | 11:09:16 | 0.040                     |
| 12         | 05/02/2011 | 11:14:16 | 0.039                     |
| 13         | 05/02/2011 | 11:19:16 | 0.040                     |
| 14         | 05/02/2011 | 11:24:16 | 0.039                     |
| 15         | 05/02/2011 | 11:29:16 | 0.038                     |
| 16         | 05/02/2011 | 11:34:16 | 0.038                     |
| 17         | 05/02/2011 | 11:39:16 | 0.039                     |
| 18         | 05/02/2011 | 11:44:16 | 0.039                     |
| 19         | 05/02/2011 | 11:49:16 | 0.038                     |
| 20         | 05/02/2011 | 11:54:16 | 0.037                     |
| 21         | 05/02/2011 | 11:59:16 | 0.038                     |
| 22         | 05/02/2011 | 12:04:16 | 0.038                     |
| 23         | 05/02/2011 | 12:09:16 | 0.038                     |
| 24         | 05/02/2011 | 12:14:16 | 0.038                     |
| 25         | 05/02/2011 | 12:19:16 | 0.039                     |
| 26         | 05/02/2011 | 12:24:16 | 0.039                     |
| 27         | 05/02/2011 | 12:29:16 | 0.040                     |
| 28         | 05/02/2011 | 12:34:16 | 0.039                     |
| 29         | 05/02/2011 | 12:39:16 | 0.039                     |
| 30         | 05/02/2011 | 12:44:16 | 0.040                     |
| 31         | 05/02/2011 | 12:49:16 | 0.040                     |
| 32         | 05/02/2011 | 12:54:16 | 0.043                     |
| 33         | 05/02/2011 | 12:59:16 | 0.033                     |
| 34         | 05/02/2011 | 13:04:16 | 0.025                     |
| 35         | 05/02/2011 | 13:09:16 | 0.022                     |
| 36         | 05/02/2011 | 13:14:16 | 0.020                     |
| 37         | 05/02/2011 | 13:19:16 | 0.021                     |
| 38         | 05/02/2011 | 13:24:16 | 0.023                     |
| 39         | 05/02/2011 | 13:29:16 | 0.025                     |
| 40         | 05/02/2011 | 13:34:16 | 0.026                     |

# Test 001

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 05/02/2011  |
| Meter S/N  | 85201531  | Start Time       | 10:21:06    |
|            |           | Stop Date        | 05/02/2011  |
|            |           | Stop Time        | 13:36:06    |
|            |           | Total Time       | 0:03:15:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 05/02/2011 | 10:26:06 | 0.042                     |
| 2          | 05/02/2011 | 10:31:06 | 0.045                     |
| 3          | 05/02/2011 | 10:36:06 | 0.045                     |
| 4          | 05/02/2011 | 10:41:06 | 0.042                     |
| 5          | 05/02/2011 | 10:46:06 | 0.043                     |
| 6          | 05/02/2011 | 10:51:06 | 0.044                     |
| 7          | 05/02/2011 | 10:56:06 | 0.045                     |
| 8          | 05/02/2011 | 11:01:06 | 0.044                     |
| 9          | 05/02/2011 | 11:06:06 | 0.044                     |
| 10         | 05/02/2011 | 11:11:06 | 0.043                     |
| 11         | 05/02/2011 | 11:16:06 | 0.045                     |
| 12         | 05/02/2011 | 11:21:06 | 0.045                     |
| 13         | 05/02/2011 | 11:26:06 | 0.042                     |
| 14         | 05/02/2011 | 11:31:06 | 0.044                     |
| 15         | 05/02/2011 | 11:36:06 | 0.044                     |
| 16         | 05/02/2011 | 11:41:06 | 0.044                     |
| 17         | 05/02/2011 | 11:46:06 | 0.044                     |
| 18         | 05/02/2011 | 11:51:06 | 0.043                     |
| 19         | 05/02/2011 | 11:56:06 | 0.043                     |
| 20         | 05/02/2011 | 12:01:06 | 0.044                     |
| 21         | 05/02/2011 | 12:06:06 | 0.041                     |
| 22         | 05/02/2011 | 12:11:06 | 0.041                     |
| 23         | 05/02/2011 | 12:16:06 | 0.042                     |
| 24         | 05/02/2011 | 12:21:06 | 0.044                     |
| 25         | 05/02/2011 | 12:26:06 | 0.045                     |
| 26         | 05/02/2011 | 12:31:06 | 0.043                     |
| 27         | 05/02/2011 | 12:36:06 | 0.043                     |
| 28         | 05/02/2011 | 12:41:06 | 0.043                     |
| 29         | 05/02/2011 | 12:46:06 | 0.043                     |
| 30         | 05/02/2011 | 12:51:06 | 0.044                     |
| 31         | 05/02/2011 | 12:56:06 | 0.046                     |
| 32         | 05/02/2011 | 13:01:06 | 0.028                     |
| 33         | 05/02/2011 | 13:06:06 | 0.026                     |
| 34         | 05/02/2011 | 13:11:06 | 0.021                     |
| 35         | 05/02/2011 | 13:16:06 | 0.022                     |
| 36         | 05/02/2011 | 13:21:06 | 0.023                     |
| 37         | 05/02/2011 | 13:26:06 | 0.026                     |
| 38         | 05/02/2011 | 13:31:06 | 0.027                     |
| 39         | 05/02/2011 | 13:36:06 | 0.028                     |



# Test 002

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 05/04/2011  |
| Meter S/N  | 85200608  | Start Time       | 08:02:22    |
|            |           | Stop Date        | 05/04/2011  |
|            |           | Stop Time        | 15:02:22    |
|            |           | Total Time       | 0:07:00:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 05/04/2011 | 08:07:22 | 0.010                     |
| 2          | 05/04/2011 | 08:12:22 | 0.009                     |
| 3          | 05/04/2011 | 08:17:22 | 0.008                     |
| 4          | 05/04/2011 | 08:22:22 | 0.009                     |
| 5          | 05/04/2011 | 08:27:22 | 0.008                     |
| 6          | 05/04/2011 | 08:32:22 | 0.007                     |
| 7          | 05/04/2011 | 08:37:22 | 0.008                     |
| 8          | 05/04/2011 | 08:42:22 | 0.007                     |
| 9          | 05/04/2011 | 08:47:22 | 0.006                     |
| 10         | 05/04/2011 | 08:52:22 | 0.006                     |
| 11         | 05/04/2011 | 08:57:22 | 0.006                     |
| 12         | 05/04/2011 | 09:02:22 | 0.005                     |
| 13         | 05/04/2011 | 09:07:22 | 0.005                     |
| 14         | 05/04/2011 | 09:12:22 | 0.006                     |
| 15         | 05/04/2011 | 09:17:22 | 0.005                     |
| 16         | 05/04/2011 | 09:22:22 | 0.005                     |
| 17         | 05/04/2011 | 09:27:22 | 0.005                     |
| 18         | 05/04/2011 | 09:32:22 | 0.005                     |
| 19         | 05/04/2011 | 09:37:22 | 0.005                     |
| 20         | 05/04/2011 | 09:42:22 | 0.005                     |
| 21         | 05/04/2011 | 09:47:22 | 0.005                     |
| 22         | 05/04/2011 | 09:52:22 | 0.005                     |
| 23         | 05/04/2011 | 09:57:22 | 0.005                     |
| 24         | 05/04/2011 | 10:02:22 | 0.005                     |
| 25         | 05/04/2011 | 10:07:22 | 0.006                     |
| 26         | 05/04/2011 | 10:12:22 | 0.005                     |
| 27         | 05/04/2011 | 10:17:22 | 0.005                     |
| 28         | 05/04/2011 | 10:22:22 | 0.004                     |
| 29         | 05/04/2011 | 10:27:22 | 0.005                     |
| 30         | 05/04/2011 | 10:32:22 | 0.006                     |
| 31         | 05/04/2011 | 10:37:22 | 0.005                     |
| 32         | 05/04/2011 | 10:42:22 | 0.005                     |
| 33         | 05/04/2011 | 10:47:22 | 0.006                     |
| 34         | 05/04/2011 | 10:52:22 | 0.005                     |
| 35         | 05/04/2011 | 10:57:22 | 0.006                     |
| 36         | 05/04/2011 | 11:02:22 | 0.006                     |
| 37         | 05/04/2011 | 11:07:22 | 0.006                     |
| 38         | 05/04/2011 | 11:12:22 | 0.006                     |
| 39         | 05/04/2011 | 11:17:22 | 0.006                     |
| 40         | 05/04/2011 | 11:22:22 | 0.006                     |
| 41         | 05/04/2011 | 11:27:22 | 0.005                     |
| 42         | 05/04/2011 | 11:32:22 | 0.006                     |
| 43         | 05/04/2011 | 11:37:22 | 0.007                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 05/04/2011 | 11:42:22 | 0.007                     |
| 45         | 05/04/2011 | 11:47:22 | 0.007                     |
| 46         | 05/04/2011 | 11:52:22 | 0.006                     |
| 47         | 05/04/2011 | 11:57:22 | 0.007                     |
| 48         | 05/04/2011 | 12:02:22 | 0.006                     |
| 49         | 05/04/2011 | 12:07:22 | 0.006                     |
| 50         | 05/04/2011 | 12:12:22 | 0.006                     |
| 51         | 05/04/2011 | 12:17:22 | 0.007                     |
| 52         | 05/04/2011 | 12:22:22 | 0.007                     |
| 53         | 05/04/2011 | 12:27:22 | 0.007                     |
| 54         | 05/04/2011 | 12:32:22 | 0.006                     |
| 55         | 05/04/2011 | 12:37:22 | 0.007                     |
| 56         | 05/04/2011 | 12:42:22 | 0.007                     |
| 57         | 05/04/2011 | 12:47:22 | 0.006                     |
| 58         | 05/04/2011 | 12:52:22 | 0.007                     |
| 59         | 05/04/2011 | 12:57:22 | 0.006                     |
| 60         | 05/04/2011 | 13:02:22 | 0.006                     |
| 61         | 05/04/2011 | 13:07:22 | 0.007                     |
| 62         | 05/04/2011 | 13:12:22 | 0.007                     |
| 63         | 05/04/2011 | 13:17:22 | 0.007                     |
| 64         | 05/04/2011 | 13:22:22 | 0.006                     |
| 65         | 05/04/2011 | 13:27:22 | 0.006                     |
| 66         | 05/04/2011 | 13:32:22 | 0.007                     |
| 67         | 05/04/2011 | 13:37:22 | 0.007                     |
| 68         | 05/04/2011 | 13:42:22 | 0.007                     |
| 69         | 05/04/2011 | 13:47:22 | 0.007                     |
| 70         | 05/04/2011 | 13:52:22 | 0.007                     |
| 71         | 05/04/2011 | 13:57:22 | 0.007                     |
| 72         | 05/04/2011 | 14:02:22 | 0.007                     |
| 73         | 05/04/2011 | 14:07:22 | 0.006                     |
| 74         | 05/04/2011 | 14:12:22 | 0.006                     |
| 75         | 05/04/2011 | 14:17:22 | 0.006                     |
| 76         | 05/04/2011 | 14:22:22 | 0.006                     |
| 77         | 05/04/2011 | 14:27:22 | 0.006                     |
| 78         | 05/04/2011 | 14:32:22 | 0.006                     |
| 79         | 05/04/2011 | 14:37:22 | 0.006                     |
| 80         | 05/04/2011 | 14:42:22 | 0.006                     |
| 81         | 05/04/2011 | 14:47:22 | 0.006                     |
| 82         | 05/04/2011 | 14:52:22 | 0.005                     |
| 83         | 05/04/2011 | 14:57:22 | 0.005                     |
| 84         | 05/04/2011 | 15:02:22 | 0.004                     |

# Test 003

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 05/05/2011  |
| Meter S/N  | 85200608  | Start Time       | 08:30:12    |
|            |           | Stop Date        | 05/05/2011  |
|            |           | Stop Time        | 10:20:12    |
|            |           | Total Time       | 0:01:50:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 05/05/2011 | 08:35:12 | 0.007                     |
| 2          | 05/05/2011 | 08:40:12 | 0.006                     |
| 3          | 05/05/2011 | 08:45:12 | 0.006                     |
| 4          | 05/05/2011 | 08:50:12 | 0.007                     |
| 5          | 05/05/2011 | 08:55:12 | 0.006                     |
| 6          | 05/05/2011 | 09:00:12 | 0.006                     |
| 7          | 05/05/2011 | 09:05:12 | 0.007                     |
| 8          | 05/05/2011 | 09:10:12 | 0.006                     |
| 9          | 05/05/2011 | 09:15:12 | 0.007                     |
| 10         | 05/05/2011 | 09:20:12 | 0.006                     |
| 11         | 05/05/2011 | 09:25:12 | 0.006                     |
| 12         | 05/05/2011 | 09:30:12 | 0.006                     |
| 13         | 05/05/2011 | 09:35:12 | 0.006                     |
| 14         | 05/05/2011 | 09:40:12 | 0.006                     |
| 15         | 05/05/2011 | 09:45:12 | 0.006                     |
| 16         | 05/05/2011 | 09:50:12 | 0.006                     |
| 17         | 05/05/2011 | 09:55:12 | 0.006                     |
| 18         | 05/05/2011 | 10:00:12 | 0.006                     |
| 19         | 05/05/2011 | 10:05:12 | 0.007                     |
| 20         | 05/05/2011 | 10:10:12 | 0.006                     |
| 21         | 05/05/2011 | 10:15:12 | 0.007                     |
| 22         | 05/05/2011 | 10:20:12 | 0.006                     |

# Test 003

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 05/05/2011  |
| Meter S/N  | 85201531  | Start Time       | 08:35:14    |
|            |           | Stop Date        | 05/05/2011  |
|            |           | Stop Time        | 13:55:14    |
|            |           | Total Time       | 0:05:20:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 05/05/2011 | 08:40:14 | 0.008                     |
| 2          | 05/05/2011 | 08:45:14 | 0.011                     |
| 3          | 05/05/2011 | 08:50:14 | 0.017                     |
| 4          | 05/05/2011 | 08:55:14 | 0.013                     |
| 5          | 05/05/2011 | 09:00:14 | 0.017                     |
| 6          | 05/05/2011 | 09:05:14 | 0.013                     |
| 7          | 05/05/2011 | 09:10:14 | 0.011                     |
| 8          | 05/05/2011 | 09:15:14 | 0.013                     |
| 9          | 05/05/2011 | 09:20:14 | 0.008                     |
| 10         | 05/05/2011 | 09:25:14 | 0.013                     |
| 11         | 05/05/2011 | 09:30:14 | 0.013                     |
| 12         | 05/05/2011 | 09:35:14 | 0.012                     |
| 13         | 05/05/2011 | 09:40:14 | 0.013                     |
| 14         | 05/05/2011 | 09:45:14 | 0.009                     |
| 15         | 05/05/2011 | 09:50:14 | 0.011                     |
| 16         | 05/05/2011 | 09:55:14 | 0.016                     |
| 17         | 05/05/2011 | 10:00:14 | 0.008                     |
| 18         | 05/05/2011 | 10:05:14 | 0.008                     |
| 19         | 05/05/2011 | 10:10:14 | 0.008                     |
| 20         | 05/05/2011 | 10:15:14 | 0.008                     |
| 21         | 05/05/2011 | 10:20:14 | 0.012                     |
| 22         | 05/05/2011 | 10:25:14 | 0.009                     |
| 23         | 05/05/2011 | 10:30:14 | 0.009                     |
| 24         | 05/05/2011 | 10:35:14 | 0.007                     |
| 25         | 05/05/2011 | 10:40:14 | 0.008                     |
| 26         | 05/05/2011 | 10:45:14 | 0.011                     |
| 27         | 05/05/2011 | 10:50:14 | 0.029                     |
| 28         | 05/05/2011 | 10:55:14 | 0.012                     |
| 29         | 05/05/2011 | 11:00:14 | 0.012                     |
| 30         | 05/05/2011 | 11:05:14 | 0.008                     |
| 31         | 05/05/2011 | 11:10:14 | 0.011                     |
| 32         | 05/05/2011 | 11:15:14 | 0.011                     |
| 33         | 05/05/2011 | 11:20:14 | 0.009                     |
| 34         | 05/05/2011 | 11:25:14 | 0.027                     |
| 35         | 05/05/2011 | 11:30:14 | 0.025                     |
| 36         | 05/05/2011 | 11:35:14 | 0.009                     |
| 37         | 05/05/2011 | 11:40:14 | 0.011                     |
| 38         | 05/05/2011 | 11:45:14 | 0.008                     |
| 39         | 05/05/2011 | 11:50:14 | 0.009                     |
| 40         | 05/05/2011 | 11:55:14 | 0.031                     |
| 41         | 05/05/2011 | 12:00:14 | 0.015                     |
| 42         | 05/05/2011 | 12:05:14 | 0.011                     |
| 43         | 05/05/2011 | 12:10:14 | 0.018                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 05/05/2011 | 12:15:14 | 0.012                     |
| 45         | 05/05/2011 | 12:20:14 | 0.011                     |
| 46         | 05/05/2011 | 12:25:14 | 0.026                     |
| 47         | 05/05/2011 | 12:30:14 | 0.010                     |
| 48         | 05/05/2011 | 12:35:14 | 0.010                     |
| 49         | 05/05/2011 | 12:40:14 | 0.010                     |
| 50         | 05/05/2011 | 12:45:14 | 0.013                     |
| 51         | 05/05/2011 | 12:50:14 | 0.029                     |
| 52         | 05/05/2011 | 12:55:14 | 0.028                     |
| 53         | 05/05/2011 | 13:00:14 | 0.017                     |
| 54         | 05/05/2011 | 13:05:14 | 0.010                     |
| 55         | 05/05/2011 | 13:10:14 | 0.011                     |
| 56         | 05/05/2011 | 13:15:14 | 0.012                     |
| 57         | 05/05/2011 | 13:20:14 | 0.044                     |
| 58         | 05/05/2011 | 13:25:14 | 0.021                     |
| 59         | 05/05/2011 | 13:30:14 | 0.018                     |
| 60         | 05/05/2011 | 13:35:14 | 0.048                     |
| 61         | 05/05/2011 | 13:40:14 | 0.010                     |
| 62         | 05/05/2011 | 13:45:14 | 0.160                     |
| 63         | 05/05/2011 | 13:50:14 | 0.048                     |
| 64         | 05/05/2011 | 13:55:14 | 0.018                     |

# Test 004

| Instrument |           | Data Properties |            |
|------------|-----------|-----------------|------------|
| Model      | Dust Trak | Start Date      | 05/10/2011 |
| Meter S/N  | 85200608  | Start Time      | 10:52:35   |
|            |           | Stop Date       | 05/10/2011 |
|            |           | Stop Time       | 10:57:35   |
|            |           | Total Time      | 0:00:05:00 |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 05/10/2011 | 10:57:35 | 0.011                     |

# Test 004

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 05/10/2011  |
| Meter S/N  | 85201531  | Start Time       | 10:50:31    |
|            |           | Stop Date        | 05/10/2011  |
|            |           | Stop Time        | 13:55:31    |
|            |           | Total Time       | 0:03:05:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 05/10/2011 | 10:55:31 | 0.007                     |
| 2          | 05/10/2011 | 11:00:31 | 0.008                     |
| 3          | 05/10/2011 | 11:05:31 | 0.008                     |
| 4          | 05/10/2011 | 11:10:31 | 0.007                     |
| 5          | 05/10/2011 | 11:15:31 | 0.008                     |
| 6          | 05/10/2011 | 11:20:31 | 0.008                     |
| 7          | 05/10/2011 | 11:25:31 | 0.008                     |
| 8          | 05/10/2011 | 11:30:31 | 0.008                     |
| 9          | 05/10/2011 | 11:35:31 | 0.009                     |
| 10         | 05/10/2011 | 11:40:31 | 0.009                     |
| 11         | 05/10/2011 | 11:45:31 | 0.010                     |
| 12         | 05/10/2011 | 11:50:31 | 0.009                     |
| 13         | 05/10/2011 | 11:55:31 | 0.009                     |
| 14         | 05/10/2011 | 12:00:31 | 0.009                     |
| 15         | 05/10/2011 | 12:05:31 | 0.009                     |
| 16         | 05/10/2011 | 12:10:31 | 0.009                     |
| 17         | 05/10/2011 | 12:15:31 | 0.010                     |
| 18         | 05/10/2011 | 12:20:31 | 0.009                     |
| 19         | 05/10/2011 | 12:25:31 | 0.009                     |
| 20         | 05/10/2011 | 12:30:31 | 0.009                     |
| 21         | 05/10/2011 | 12:35:31 | 0.009                     |
| 22         | 05/10/2011 | 12:40:31 | 0.010                     |
| 23         | 05/10/2011 | 12:45:31 | 0.009                     |
| 24         | 05/10/2011 | 12:50:31 | 0.009                     |
| 25         | 05/10/2011 | 12:55:31 | 0.010                     |
| 26         | 05/10/2011 | 13:00:31 | 0.009                     |
| 27         | 05/10/2011 | 13:05:31 | 0.009                     |
| 28         | 05/10/2011 | 13:10:31 | 0.011                     |
| 29         | 05/10/2011 | 13:15:31 | 0.009                     |
| 30         | 05/10/2011 | 13:20:31 | 0.009                     |
| 31         | 05/10/2011 | 13:25:31 | 0.009                     |
| 32         | 05/10/2011 | 13:30:31 | 0.010                     |
| 33         | 05/10/2011 | 13:35:31 | 0.010                     |
| 34         | 05/10/2011 | 13:40:31 | 0.011                     |
| 35         | 05/10/2011 | 13:45:31 | 0.009                     |
| 36         | 05/10/2011 | 13:50:31 | 0.010                     |
| 37         | 05/10/2011 | 13:55:31 | 0.011                     |

# Test 001

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 05/23/2011  |
| Meter S/N  | 85201531  | Start Time       | 11:39:25    |
|            |           | Stop Date        | 05/23/2011  |
|            |           | Stop Time        | 12:09:25    |
|            |           | Total Time       | 0:00:30:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 05/23/2011 | 11:44:25 | 0.049                     |
| 2          | 05/23/2011 | 11:49:25 | 0.042                     |
| 3          | 05/23/2011 | 11:54:25 | 0.036                     |
| 4          | 05/23/2011 | 11:59:25 | 0.039                     |
| 5          | 05/23/2011 | 12:04:25 | 0.037                     |
| 6          | 05/23/2011 | 12:09:25 | 0.040                     |



# Test 001

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 05/23/2011  |
| Meter S/N  | 85201796  | Start Time       | 11:42:24    |
|            |           | Stop Date        | 05/23/2011  |
|            |           | Stop Time        | 12:12:24    |
|            |           | Total Time       | 0:00:30:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 05/23/2011 | 11:47:24 | 0.072                     |
| 2          | 05/23/2011 | 11:52:24 | 0.100                     |
| 3          | 05/23/2011 | 11:57:24 | 0.120                     |
| 4          | 05/23/2011 | 12:02:24 | 0.074                     |
| 5          | 05/23/2011 | 12:07:24 | 0.037                     |
| 6          | 05/23/2011 | 12:12:24 | 0.039                     |

# Test 001

| Instrument |           | Data Properties  |            |
|------------|-----------|------------------|------------|
| Model      | Dust Trak | Start Date       | 05/31/2011 |
| Meter S/N  | 85201091  | Start Time       | 10:54:31   |
|            |           | Stop Date        | 05/31/2011 |
|            |           | Stop Time        | 11:29:31   |
|            |           | Total Time       | 0:00:35:00 |
|            |           | Logging Interval | 60 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 05/31/2011 | 10:55:31 | 0.084                     |
| 2          | 05/31/2011 | 10:56:31 | 0.054                     |
| 3          | 05/31/2011 | 10:57:31 | 0.035                     |
| 4          | 05/31/2011 | 10:58:31 | 0.034                     |
| 5          | 05/31/2011 | 10:59:31 | 0.041                     |
| 6          | 05/31/2011 | 11:00:31 | 0.040                     |
| 7          | 05/31/2011 | 11:01:31 | 0.036                     |
| 8          | 05/31/2011 | 11:02:31 | 0.035                     |
| 9          | 05/31/2011 | 11:03:31 | 0.034                     |
| 10         | 05/31/2011 | 11:04:31 | 0.034                     |
| 11         | 05/31/2011 | 11:05:31 | 0.031                     |
| 12         | 05/31/2011 | 11:06:31 | 0.030                     |
| 13         | 05/31/2011 | 11:07:31 | 0.026                     |
| 14         | 05/31/2011 | 11:08:31 | 0.029                     |
| 15         | 05/31/2011 | 11:09:31 | 0.032                     |
| 16         | 05/31/2011 | 11:10:31 | 0.030                     |
| 17         | 05/31/2011 | 11:11:31 | 0.026                     |
| 18         | 05/31/2011 | 11:12:31 | 0.030                     |
| 19         | 05/31/2011 | 11:13:31 | 0.035                     |
| 20         | 05/31/2011 | 11:14:31 | 0.034                     |
| 21         | 05/31/2011 | 11:15:31 | 0.033                     |
| 22         | 05/31/2011 | 11:16:31 | 0.037                     |
| 23         | 05/31/2011 | 11:17:31 | 0.031                     |
| 24         | 05/31/2011 | 11:18:31 | 0.030                     |
| 25         | 05/31/2011 | 11:19:31 | 0.027                     |
| 26         | 05/31/2011 | 11:20:31 | 0.028                     |
| 27         | 05/31/2011 | 11:21:31 | 0.029                     |
| 28         | 05/31/2011 | 11:22:31 | 0.033                     |
| 29         | 05/31/2011 | 11:23:31 | 0.032                     |
| 30         | 05/31/2011 | 11:24:31 | 0.036                     |
| 31         | 05/31/2011 | 11:25:31 | 0.037                     |
| 32         | 05/31/2011 | 11:26:31 | 0.042                     |
| 33         | 05/31/2011 | 11:27:31 | 0.056                     |
| 34         | 05/31/2011 | 11:28:31 | 0.038                     |
| 35         | 05/31/2011 | 11:29:31 | 0.031                     |

# Test 001

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 06/01/2011  |
| Meter S/N  | 85202283  | Start Time       | 07:57:11    |
|            |           | Stop Date        | 06/01/2011  |
|            |           | Stop Time        | 14:32:11    |
|            |           | Total Time       | 0:06:35:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 06/01/2011 | 08:02:11 | 0.035                     |
| 2          | 06/01/2011 | 08:07:11 | 0.012                     |
| 3          | 06/01/2011 | 08:12:11 | 0.005                     |
| 4          | 06/01/2011 | 08:17:11 | 0.004                     |
| 5          | 06/01/2011 | 08:22:11 | 0.004                     |
| 6          | 06/01/2011 | 08:27:11 | 0.002                     |
| 7          | 06/01/2011 | 08:32:11 | 0.001                     |
| 8          | 06/01/2011 | 08:37:11 | 0.001                     |
| 9          | 06/01/2011 | 08:42:11 | 0.001                     |
| 10         | 06/01/2011 | 08:47:11 | 0.002                     |
| 11         | 06/01/2011 | 08:52:11 | 0.001                     |
| 12         | 06/01/2011 | 08:57:11 | 0.002                     |
| 13         | 06/01/2011 | 09:02:11 | 0.001                     |
| 14         | 06/01/2011 | 09:07:11 | 0.001                     |
| 15         | 06/01/2011 | 09:12:11 | 0.002                     |
| 16         | 06/01/2011 | 09:17:11 | 0.001                     |
| 17         | 06/01/2011 | 09:22:11 | 0.001                     |
| 18         | 06/01/2011 | 09:27:11 | 0.001                     |
| 19         | 06/01/2011 | 09:32:11 | 0.000                     |
| 20         | 06/01/2011 | 09:37:11 | 0.001                     |
| 21         | 06/01/2011 | 09:42:11 | 0.000                     |
| 22         | 06/01/2011 | 09:47:11 | 0.002                     |
| 23         | 06/01/2011 | 09:52:11 | 0.001                     |
| 24         | 06/01/2011 | 09:57:11 | 0.000                     |
| 25         | 06/01/2011 | 10:02:11 | 0.001                     |
| 26         | 06/01/2011 | 10:07:11 | 0.001                     |
| 27         | 06/01/2011 | 10:12:11 | 0.000                     |
| 28         | 06/01/2011 | 10:17:11 | 0.001                     |
| 29         | 06/01/2011 | 10:22:11 | 0.000                     |
| 30         | 06/01/2011 | 10:27:11 | 0.001                     |
| 31         | 06/01/2011 | 10:32:11 | 0.004                     |
| 32         | 06/01/2011 | 10:37:11 | 0.001                     |
| 33         | 06/01/2011 | 10:42:11 | 0.002                     |
| 34         | 06/01/2011 | 10:47:11 | 0.001                     |
| 35         | 06/01/2011 | 10:52:11 | 0.000                     |
| 36         | 06/01/2011 | 10:57:11 | 0.000                     |
| 37         | 06/01/2011 | 11:02:11 | 0.000                     |
| 38         | 06/01/2011 | 11:07:11 | 0.001                     |
| 39         | 06/01/2011 | 11:12:11 | 0.001                     |
| 40         | 06/01/2011 | 11:17:11 | 0.001                     |
| 41         | 06/01/2011 | 11:22:11 | 0.000                     |
| 42         | 06/01/2011 | 11:27:11 | 0.001                     |
| 43         | 06/01/2011 | 11:32:11 | 0.001                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 06/01/2011 | 11:37:11 | 0.001                     |
| 45         | 06/01/2011 | 11:42:11 | 0.001                     |
| 46         | 06/01/2011 | 11:47:11 | 0.000                     |
| 47         | 06/01/2011 | 11:52:11 | 0.000                     |
| 48         | 06/01/2011 | 11:57:11 | 0.002                     |
| 49         | 06/01/2011 | 12:02:11 | 0.000                     |
| 50         | 06/01/2011 | 12:07:11 | 0.009                     |
| 51         | 06/01/2011 | 12:12:11 | 0.000                     |
| 52         | 06/01/2011 | 12:17:11 | 0.000                     |
| 53         | 06/01/2011 | 12:22:11 | 0.001                     |
| 54         | 06/01/2011 | 12:27:11 | 0.000                     |
| 55         | 06/01/2011 | 12:32:11 | 0.000                     |
| 56         | 06/01/2011 | 12:37:11 | 0.001                     |
| 57         | 06/01/2011 | 12:42:11 | 0.000                     |
| 58         | 06/01/2011 | 12:47:11 | 0.000                     |
| 59         | 06/01/2011 | 12:52:11 | 0.000                     |
| 60         | 06/01/2011 | 12:57:11 | 0.000                     |
| 61         | 06/01/2011 | 13:02:11 | 0.000                     |
| 62         | 06/01/2011 | 13:07:11 | 0.000                     |
| 63         | 06/01/2011 | 13:12:11 | 0.000                     |
| 64         | 06/01/2011 | 13:17:11 | 0.010                     |
| 65         | 06/01/2011 | 13:22:11 | 0.002                     |
| 66         | 06/01/2011 | 13:27:11 | 0.000                     |
| 67         | 06/01/2011 | 13:32:11 | 0.000                     |
| 68         | 06/01/2011 | 13:37:11 | 0.000                     |
| 69         | 06/01/2011 | 13:42:11 | 0.001                     |
| 70         | 06/01/2011 | 13:47:11 | 0.002                     |
| 71         | 06/01/2011 | 13:52:11 | 0.002                     |
| 72         | 06/01/2011 | 13:57:11 | 0.001                     |
| 73         | 06/01/2011 | 14:02:11 | 0.002                     |
| 74         | 06/01/2011 | 14:07:11 | 0.002                     |
| 75         | 06/01/2011 | 14:12:11 | 0.000                     |
| 76         | 06/01/2011 | 14:17:11 | 0.005                     |
| 77         | 06/01/2011 | 14:22:11 | 0.000                     |
| 78         | 06/01/2011 | 14:27:11 | 0.001                     |
| 79         | 06/01/2011 | 14:32:11 | 0.002                     |

# Test 002

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 06/01/2011  |
| Meter S/N  | 85201091  | Start Time       | 08:02:26    |
|            |           | Stop Date        | 06/01/2011  |
|            |           | Stop Time        | 14:27:26    |
|            |           | Total Time       | 0:06:25:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 06/01/2011 | 08:07:26 | 0.114                     |
| 2          | 06/01/2011 | 08:12:26 | 0.171                     |
| 3          | 06/01/2011 | 08:17:26 | 0.138                     |
| 4          | 06/01/2011 | 08:22:26 | 0.109                     |
| 5          | 06/01/2011 | 08:27:26 | 0.094                     |
| 6          | 06/01/2011 | 08:32:26 | 0.121                     |
| 7          | 06/01/2011 | 08:37:26 | 0.149                     |
| 8          | 06/01/2011 | 08:42:26 | 0.140                     |
| 9          | 06/01/2011 | 08:47:26 | 0.077                     |
| 10         | 06/01/2011 | 08:52:26 | 0.074                     |
| 11         | 06/01/2011 | 08:57:26 | 0.106                     |
| 12         | 06/01/2011 | 09:02:26 | 0.070                     |
| 13         | 06/01/2011 | 09:07:26 | 0.073                     |
| 14         | 06/01/2011 | 09:12:26 | 0.045                     |
| 15         | 06/01/2011 | 09:17:26 | 0.043                     |
| 16         | 06/01/2011 | 09:22:26 | 0.043                     |
| 17         | 06/01/2011 | 09:27:26 | 0.039                     |
| 18         | 06/01/2011 | 09:32:26 | 0.036                     |
| 19         | 06/01/2011 | 09:37:26 | 0.060                     |
| 20         | 06/01/2011 | 09:42:26 | 0.043                     |
| 21         | 06/01/2011 | 09:47:26 | 0.101                     |
| 22         | 06/01/2011 | 09:52:26 | 0.056                     |
| 23         | 06/01/2011 | 09:57:26 | 0.079                     |
| 24         | 06/01/2011 | 10:02:26 | 0.152                     |
| 25         | 06/01/2011 | 10:07:26 | 0.040                     |
| 26         | 06/01/2011 | 10:12:26 | 0.355                     |
| 27         | 06/01/2011 | 10:17:26 | 0.140                     |
| 28         | 06/01/2011 | 10:22:26 | 0.092                     |
| 29         | 06/01/2011 | 10:27:26 | 0.137                     |
| 30         | 06/01/2011 | 10:32:26 | 0.104                     |
| 31         | 06/01/2011 | 10:37:26 | 0.224                     |
| 32         | 06/01/2011 | 10:42:26 | 0.216                     |
| 33         | 06/01/2011 | 10:47:26 | 0.042                     |
| 34         | 06/01/2011 | 10:52:26 | 0.030                     |
| 35         | 06/01/2011 | 10:57:26 | 0.029                     |
| 36         | 06/01/2011 | 11:02:26 | 0.094                     |
| 37         | 06/01/2011 | 11:07:26 | 0.184                     |
| 38         | 06/01/2011 | 11:12:26 | 0.155                     |
| 39         | 06/01/2011 | 11:17:26 | 0.156                     |
| 40         | 06/01/2011 | 11:22:26 | 0.377                     |
| 41         | 06/01/2011 | 11:27:26 | 0.182                     |
| 42         | 06/01/2011 | 11:32:26 | 0.591                     |
| 43         | 06/01/2011 | 11:37:26 | 0.181                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 06/01/2011 | 11:42:26 | 0.128                     |
| 45         | 06/01/2011 | 11:47:26 | 0.101                     |
| 46         | 06/01/2011 | 11:52:26 | 0.062                     |
| 47         | 06/01/2011 | 11:57:26 | 0.056                     |
| 48         | 06/01/2011 | 12:02:26 | 0.057                     |
| 49         | 06/01/2011 | 12:07:26 | 0.159                     |
| 50         | 06/01/2011 | 12:12:26 | 0.020                     |
| 51         | 06/01/2011 | 12:17:26 | 0.059                     |
| 52         | 06/01/2011 | 12:22:26 | 0.030                     |
| 53         | 06/01/2011 | 12:27:26 | 0.063                     |
| 54         | 06/01/2011 | 12:32:26 | 0.098                     |
| 55         | 06/01/2011 | 12:37:26 | 0.293                     |
| 56         | 06/01/2011 | 12:42:26 | 0.030                     |
| 57         | 06/01/2011 | 12:47:26 | 0.020                     |
| 58         | 06/01/2011 | 12:52:26 | 0.025                     |
| 59         | 06/01/2011 | 12:57:26 | 0.015                     |
| 60         | 06/01/2011 | 13:02:26 | 0.017                     |
| 61         | 06/01/2011 | 13:07:26 | 0.018                     |
| 62         | 06/01/2011 | 13:12:26 | 0.021                     |
| 63         | 06/01/2011 | 13:17:26 | 0.045                     |
| 64         | 06/01/2011 | 13:22:26 | 0.021                     |
| 65         | 06/01/2011 | 13:27:26 | 0.023                     |
| 66         | 06/01/2011 | 13:32:26 | 0.019                     |
| 67         | 06/01/2011 | 13:37:26 | 0.019                     |
| 68         | 06/01/2011 | 13:42:26 | 0.039                     |
| 69         | 06/01/2011 | 13:47:26 | 0.025                     |
| 70         | 06/01/2011 | 13:52:26 | 0.078                     |
| 71         | 06/01/2011 | 13:57:26 | 0.046                     |
| 72         | 06/01/2011 | 14:02:26 | 0.258                     |
| 73         | 06/01/2011 | 14:07:26 | 0.055                     |
| 74         | 06/01/2011 | 14:12:26 | 0.034                     |
| 75         | 06/01/2011 | 14:17:26 | 0.104                     |
| 76         | 06/01/2011 | 14:22:26 | 0.070                     |
| 77         | 06/01/2011 | 14:27:26 | 0.215                     |

# Test 002

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 06/02/2011  |
| Meter S/N  | 85202283  | Start Time       | 08:20:35    |
|            |           | Stop Date        | 06/02/2011  |
|            |           | Stop Time        | 10:15:35    |
|            |           | Total Time       | 0:01:55:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 06/02/2011 | 08:25:35 | 0.001                     |
| 2          | 06/02/2011 | 08:30:35 | 0.000                     |
| 3          | 06/02/2011 | 08:35:35 | 0.000                     |
| 4          | 06/02/2011 | 08:40:35 | 0.000                     |
| 5          | 06/02/2011 | 08:45:35 | 0.001                     |
| 6          | 06/02/2011 | 08:50:35 | 0.000                     |
| 7          | 06/02/2011 | 08:55:35 | 0.000                     |
| 8          | 06/02/2011 | 09:00:35 | 0.001                     |
| 9          | 06/02/2011 | 09:05:35 | 0.001                     |
| 10         | 06/02/2011 | 09:10:35 | 0.001                     |
| 11         | 06/02/2011 | 09:15:35 | 0.000                     |
| 12         | 06/02/2011 | 09:20:35 | 0.000                     |
| 13         | 06/02/2011 | 09:25:35 | 0.000                     |
| 14         | 06/02/2011 | 09:30:35 | 0.000                     |
| 15         | 06/02/2011 | 09:35:35 | 0.001                     |
| 16         | 06/02/2011 | 09:40:35 | 0.000                     |
| 17         | 06/02/2011 | 09:45:35 | 0.000                     |
| 18         | 06/02/2011 | 09:50:35 | 0.000                     |
| 19         | 06/02/2011 | 09:55:35 | 0.001                     |
| 20         | 06/02/2011 | 10:00:35 | 0.000                     |
| 21         | 06/02/2011 | 10:05:35 | 0.000                     |
| 22         | 06/02/2011 | 10:10:35 | 0.000                     |
| 23         | 06/02/2011 | 10:15:35 | 0.000                     |

# Test 003

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 06/02/2011  |
| Meter S/N  | 85201091  | Start Time       | 08:22:18    |
|            |           | Stop Date        | 06/02/2011  |
|            |           | Stop Time        | 10:12:18    |
|            |           | Total Time       | 0:01:50:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 06/02/2011 | 08:27:18 | 0.022                     |
| 2          | 06/02/2011 | 08:32:18 | 0.009                     |
| 3          | 06/02/2011 | 08:37:18 | 0.033                     |
| 4          | 06/02/2011 | 08:42:18 | 0.167                     |
| 5          | 06/02/2011 | 08:47:18 | 0.009                     |
| 6          | 06/02/2011 | 08:52:18 | 0.005                     |
| 7          | 06/02/2011 | 08:57:18 | 0.033                     |
| 8          | 06/02/2011 | 09:02:18 | 0.005                     |
| 9          | 06/02/2011 | 09:07:18 | 0.010                     |
| 10         | 06/02/2011 | 09:12:18 | 0.005                     |
| 11         | 06/02/2011 | 09:17:18 | 0.007                     |
| 12         | 06/02/2011 | 09:22:18 | 0.004                     |
| 13         | 06/02/2011 | 09:27:18 | 0.003                     |
| 14         | 06/02/2011 | 09:32:18 | 0.037                     |
| 15         | 06/02/2011 | 09:37:18 | 0.134                     |
| 16         | 06/02/2011 | 09:42:18 | 0.044                     |
| 17         | 06/02/2011 | 09:47:18 | 0.012                     |
| 18         | 06/02/2011 | 09:52:18 | 0.007                     |
| 19         | 06/02/2011 | 09:57:18 | 0.031                     |
| 20         | 06/02/2011 | 10:02:18 | 0.006                     |
| 21         | 06/02/2011 | 10:07:18 | 0.049                     |
| 22         | 06/02/2011 | 10:12:18 | 0.035                     |



# Test 001

| Instrument |           | Data Properties  |            |
|------------|-----------|------------------|------------|
| Model      | Dust Trak | Start Date       | 07/05/2011 |
| Meter S/N  | 85201091  | Start Time       | 09:58:48   |
|            |           | Stop Date        | 07/05/2011 |
|            |           | Stop Time        | 16:02:48   |
|            |           | Total Time       | 0:06:04:00 |
|            |           | Logging Interval | 60 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 07/05/2011 | 09:59:48 | 0.033                     |
| 2          | 07/05/2011 | 10:00:48 | 0.023                     |
| 3          | 07/05/2011 | 10:01:48 | 0.021                     |
| 4          | 07/05/2011 | 10:02:48 | 0.020                     |
| 5          | 07/05/2011 | 10:03:48 | 0.020                     |
| 6          | 07/05/2011 | 10:04:48 | 0.019                     |
| 7          | 07/05/2011 | 10:05:48 | 0.019                     |
| 8          | 07/05/2011 | 10:06:48 | 0.018                     |
| 9          | 07/05/2011 | 10:07:48 | 0.019                     |
| 10         | 07/05/2011 | 10:08:48 | 0.021                     |
| 11         | 07/05/2011 | 10:09:48 | 0.021                     |
| 12         | 07/05/2011 | 10:10:48 | 0.020                     |
| 13         | 07/05/2011 | 10:11:48 | 0.018                     |
| 14         | 07/05/2011 | 10:12:48 | 0.017                     |
| 15         | 07/05/2011 | 10:13:48 | 0.018                     |
| 16         | 07/05/2011 | 10:14:48 | 0.019                     |
| 17         | 07/05/2011 | 10:15:48 | 0.019                     |
| 18         | 07/05/2011 | 10:16:48 | 0.019                     |
| 19         | 07/05/2011 | 10:17:48 | 0.018                     |
| 20         | 07/05/2011 | 10:18:48 | 0.017                     |
| 21         | 07/05/2011 | 10:19:48 | 0.019                     |
| 22         | 07/05/2011 | 10:20:48 | 0.020                     |
| 23         | 07/05/2011 | 10:21:48 | 0.019                     |
| 24         | 07/05/2011 | 10:22:48 | 0.020                     |
| 25         | 07/05/2011 | 10:23:48 | 0.021                     |
| 26         | 07/05/2011 | 10:24:48 | 0.020                     |
| 27         | 07/05/2011 | 10:25:48 | 0.020                     |
| 28         | 07/05/2011 | 10:26:48 | 0.020                     |
| 29         | 07/05/2011 | 10:27:48 | 0.019                     |
| 30         | 07/05/2011 | 10:28:48 | 0.020                     |
| 31         | 07/05/2011 | 10:29:48 | 0.022                     |
| 32         | 07/05/2011 | 10:30:48 | 0.017                     |
| 33         | 07/05/2011 | 10:31:48 | 0.017                     |
| 34         | 07/05/2011 | 10:32:48 | 0.019                     |
| 35         | 07/05/2011 | 10:33:48 | 0.017                     |
| 36         | 07/05/2011 | 10:34:48 | 0.018                     |
| 37         | 07/05/2011 | 10:35:48 | 0.019                     |
| 38         | 07/05/2011 | 10:36:48 | 0.018                     |
| 39         | 07/05/2011 | 10:37:48 | 0.019                     |
| 40         | 07/05/2011 | 10:38:48 | 0.018                     |
| 41         | 07/05/2011 | 10:39:48 | 0.019                     |
| 42         | 07/05/2011 | 10:40:48 | 0.019                     |
| 43         | 07/05/2011 | 10:41:48 | 0.019                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 07/05/2011 | 10:42:48 | 0.020                     |
| 45         | 07/05/2011 | 10:43:48 | 0.019                     |
| 46         | 07/05/2011 | 10:44:48 | 0.020                     |
| 47         | 07/05/2011 | 10:45:48 | 0.018                     |
| 48         | 07/05/2011 | 10:46:48 | 0.017                     |
| 49         | 07/05/2011 | 10:47:48 | 0.019                     |
| 50         | 07/05/2011 | 10:48:48 | 0.018                     |
| 51         | 07/05/2011 | 10:49:48 | 0.019                     |
| 52         | 07/05/2011 | 10:50:48 | 0.017                     |
| 53         | 07/05/2011 | 10:51:48 | 0.018                     |
| 54         | 07/05/2011 | 10:52:48 | 0.019                     |
| 55         | 07/05/2011 | 10:53:48 | 0.017                     |
| 56         | 07/05/2011 | 10:54:48 | 0.018                     |
| 57         | 07/05/2011 | 10:55:48 | 0.018                     |
| 58         | 07/05/2011 | 10:56:48 | 0.018                     |
| 59         | 07/05/2011 | 10:57:48 | 0.020                     |
| 60         | 07/05/2011 | 10:58:48 | 0.020                     |
| 61         | 07/05/2011 | 10:59:48 | 0.020                     |
| 62         | 07/05/2011 | 11:00:48 | 0.017                     |
| 63         | 07/05/2011 | 11:01:48 | 0.017                     |
| 64         | 07/05/2011 | 11:02:48 | 0.018                     |
| 65         | 07/05/2011 | 11:03:48 | 0.018                     |
| 66         | 07/05/2011 | 11:04:48 | 0.018                     |
| 67         | 07/05/2011 | 11:05:48 | 0.019                     |
| 68         | 07/05/2011 | 11:06:48 | 0.019                     |
| 69         | 07/05/2011 | 11:07:48 | 0.018                     |
| 70         | 07/05/2011 | 11:08:48 | 0.018                     |
| 71         | 07/05/2011 | 11:09:48 | 0.018                     |
| 72         | 07/05/2011 | 11:10:48 | 0.019                     |
| 73         | 07/05/2011 | 11:11:48 | 0.018                     |
| 74         | 07/05/2011 | 11:12:48 | 0.018                     |
| 75         | 07/05/2011 | 11:13:48 | 0.021                     |
| 76         | 07/05/2011 | 11:14:48 | 0.024                     |
| 77         | 07/05/2011 | 11:15:48 | 0.028                     |
| 78         | 07/05/2011 | 11:16:48 | 0.020                     |
| 79         | 07/05/2011 | 11:17:48 | 0.019                     |
| 80         | 07/05/2011 | 11:18:48 | 0.019                     |
| 81         | 07/05/2011 | 11:19:48 | 0.021                     |
| 82         | 07/05/2011 | 11:20:48 | 0.018                     |
| 83         | 07/05/2011 | 11:21:48 | 0.020                     |
| 84         | 07/05/2011 | 11:22:48 | 0.019                     |
| 85         | 07/05/2011 | 11:23:48 | 0.021                     |
| 86         | 07/05/2011 | 11:24:48 | 0.018                     |
| 87         | 07/05/2011 | 11:25:48 | 0.018                     |
| 88         | 07/05/2011 | 11:26:48 | 0.019                     |
| 89         | 07/05/2011 | 11:27:48 | 0.020                     |
| 90         | 07/05/2011 | 11:28:48 | 0.021                     |
| 91         | 07/05/2011 | 11:29:48 | 0.020                     |
| 92         | 07/05/2011 | 11:30:48 | 0.020                     |
| 93         | 07/05/2011 | 11:31:48 | 0.022                     |
| 94         | 07/05/2011 | 11:32:48 | 0.020                     |
| 95         | 07/05/2011 | 11:33:48 | 0.019                     |
| 96         | 07/05/2011 | 11:34:48 | 0.019                     |
| 97         | 07/05/2011 | 11:35:48 | 0.019                     |
| 98         | 07/05/2011 | 11:36:48 | 0.022                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 99         | 07/05/2011 | 11:37:48 | 0.019                     |
| 100        | 07/05/2011 | 11:38:48 | 0.018                     |
| 101        | 07/05/2011 | 11:39:48 | 0.020                     |
| 102        | 07/05/2011 | 11:40:48 | 0.017                     |
| 103        | 07/05/2011 | 11:41:48 | 0.020                     |
| 104        | 07/05/2011 | 11:42:48 | 0.020                     |
| 105        | 07/05/2011 | 11:43:48 | 0.019                     |
| 106        | 07/05/2011 | 11:44:48 | 0.018                     |
| 107        | 07/05/2011 | 11:45:48 | 0.019                     |
| 108        | 07/05/2011 | 11:46:48 | 0.018                     |
| 109        | 07/05/2011 | 11:47:48 | 0.022                     |
| 110        | 07/05/2011 | 11:48:48 | 0.018                     |
| 111        | 07/05/2011 | 11:49:48 | 0.018                     |
| 112        | 07/05/2011 | 11:50:48 | 0.018                     |
| 113        | 07/05/2011 | 11:51:48 | 0.018                     |
| 114        | 07/05/2011 | 11:52:48 | 0.017                     |
| 115        | 07/05/2011 | 11:53:48 | 0.021                     |
| 116        | 07/05/2011 | 11:54:48 | 0.020                     |
| 117        | 07/05/2011 | 11:55:48 | 0.019                     |
| 118        | 07/05/2011 | 11:56:48 | 0.019                     |
| 119        | 07/05/2011 | 11:57:48 | 0.019                     |
| 120        | 07/05/2011 | 11:58:48 | 0.021                     |
| 121        | 07/05/2011 | 11:59:48 | 0.018                     |
| 122        | 07/05/2011 | 12:00:48 | 0.019                     |
| 123        | 07/05/2011 | 12:01:48 | 0.018                     |
| 124        | 07/05/2011 | 12:02:48 | 0.020                     |
| 125        | 07/05/2011 | 12:03:48 | 0.017                     |
| 126        | 07/05/2011 | 12:04:48 | 0.018                     |
| 127        | 07/05/2011 | 12:05:48 | 0.018                     |
| 128        | 07/05/2011 | 12:06:48 | 0.017                     |
| 129        | 07/05/2011 | 12:07:48 | 0.021                     |
| 130        | 07/05/2011 | 12:08:48 | 0.018                     |
| 131        | 07/05/2011 | 12:09:48 | 0.018                     |
| 132        | 07/05/2011 | 12:10:48 | 0.018                     |
| 133        | 07/05/2011 | 12:11:48 | 0.018                     |
| 134        | 07/05/2011 | 12:12:48 | 0.019                     |
| 135        | 07/05/2011 | 12:13:48 | 0.018                     |
| 136        | 07/05/2011 | 12:14:48 | 0.019                     |
| 137        | 07/05/2011 | 12:15:48 | 0.018                     |
| 138        | 07/05/2011 | 12:16:48 | 0.019                     |
| 139        | 07/05/2011 | 12:17:48 | 0.018                     |
| 140        | 07/05/2011 | 12:18:48 | 0.017                     |
| 141        | 07/05/2011 | 12:19:48 | 0.017                     |
| 142        | 07/05/2011 | 12:20:48 | 0.018                     |
| 143        | 07/05/2011 | 12:21:48 | 0.019                     |
| 144        | 07/05/2011 | 12:22:48 | 0.019                     |
| 145        | 07/05/2011 | 12:23:48 | 0.019                     |
| 146        | 07/05/2011 | 12:24:48 | 0.019                     |
| 147        | 07/05/2011 | 12:25:48 | 0.018                     |
| 148        | 07/05/2011 | 12:26:48 | 0.018                     |
| 149        | 07/05/2011 | 12:27:48 | 0.021                     |
| 150        | 07/05/2011 | 12:28:48 | 0.022                     |
| 151        | 07/05/2011 | 12:29:48 | 0.018                     |
| 152        | 07/05/2011 | 12:30:48 | 0.019                     |
| 153        | 07/05/2011 | 12:31:48 | 0.018                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 154        | 07/05/2011 | 12:32:48 | 0.020                     |
| 155        | 07/05/2011 | 12:33:48 | 0.017                     |
| 156        | 07/05/2011 | 12:34:48 | 0.020                     |
| 157        | 07/05/2011 | 12:35:48 | 0.018                     |
| 158        | 07/05/2011 | 12:36:48 | 0.020                     |
| 159        | 07/05/2011 | 12:37:48 | 0.019                     |
| 160        | 07/05/2011 | 12:38:48 | 0.018                     |
| 161        | 07/05/2011 | 12:39:48 | 0.018                     |
| 162        | 07/05/2011 | 12:40:48 | 0.019                     |
| 163        | 07/05/2011 | 12:41:48 | 0.018                     |
| 164        | 07/05/2011 | 12:42:48 | 0.021                     |
| 165        | 07/05/2011 | 12:43:48 | 0.019                     |
| 166        | 07/05/2011 | 12:44:48 | 0.019                     |
| 167        | 07/05/2011 | 12:45:48 | 0.019                     |
| 168        | 07/05/2011 | 12:46:48 | 0.019                     |
| 169        | 07/05/2011 | 12:47:48 | 0.021                     |
| 170        | 07/05/2011 | 12:48:48 | 0.021                     |
| 171        | 07/05/2011 | 12:49:48 | 0.022                     |
| 172        | 07/05/2011 | 12:50:48 | 0.019                     |
| 173        | 07/05/2011 | 12:51:48 | 0.019                     |
| 174        | 07/05/2011 | 12:52:48 | 0.022                     |
| 175        | 07/05/2011 | 12:53:48 | 0.020                     |
| 176        | 07/05/2011 | 12:54:48 | 0.020                     |
| 177        | 07/05/2011 | 12:55:48 | 0.020                     |
| 178        | 07/05/2011 | 12:56:48 | 0.020                     |
| 179        | 07/05/2011 | 12:57:48 | 0.019                     |
| 180        | 07/05/2011 | 12:58:48 | 0.020                     |
| 181        | 07/05/2011 | 12:59:48 | 0.019                     |
| 182        | 07/05/2011 | 13:00:48 | 0.023                     |
| 183        | 07/05/2011 | 13:01:48 | 0.022                     |
| 184        | 07/05/2011 | 13:02:48 | 0.021                     |
| 185        | 07/05/2011 | 13:03:48 | 0.021                     |
| 186        | 07/05/2011 | 13:04:48 | 0.020                     |
| 187        | 07/05/2011 | 13:05:48 | 0.022                     |
| 188        | 07/05/2011 | 13:06:48 | 0.021                     |
| 189        | 07/05/2011 | 13:07:48 | 0.024                     |
| 190        | 07/05/2011 | 13:08:48 | 0.022                     |
| 191        | 07/05/2011 | 13:09:48 | 0.023                     |
| 192        | 07/05/2011 | 13:10:48 | 0.021                     |
| 193        | 07/05/2011 | 13:11:48 | 0.020                     |
| 194        | 07/05/2011 | 13:12:48 | 0.020                     |
| 195        | 07/05/2011 | 13:13:48 | 0.021                     |
| 196        | 07/05/2011 | 13:14:48 | 0.021                     |
| 197        | 07/05/2011 | 13:15:48 | 0.020                     |
| 198        | 07/05/2011 | 13:16:48 | 0.021                     |
| 199        | 07/05/2011 | 13:17:48 | 0.021                     |
| 200        | 07/05/2011 | 13:18:48 | 0.024                     |
| 201        | 07/05/2011 | 13:19:48 | 0.020                     |
| 202        | 07/05/2011 | 13:20:48 | 0.020                     |
| 203        | 07/05/2011 | 13:21:48 | 0.022                     |
| 204        | 07/05/2011 | 13:22:48 | 0.021                     |
| 205        | 07/05/2011 | 13:23:48 | 0.020                     |
| 206        | 07/05/2011 | 13:24:48 | 0.021                     |
| 207        | 07/05/2011 | 13:25:48 | 0.020                     |
| 208        | 07/05/2011 | 13:26:48 | 0.019                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 209        | 07/05/2011 | 13:27:48 | 0.020                     |
| 210        | 07/05/2011 | 13:28:48 | 0.021                     |
| 211        | 07/05/2011 | 13:29:48 | 0.021                     |
| 212        | 07/05/2011 | 13:30:48 | 0.022                     |
| 213        | 07/05/2011 | 13:31:48 | 0.021                     |
| 214        | 07/05/2011 | 13:32:48 | 0.019                     |
| 215        | 07/05/2011 | 13:33:48 | 0.019                     |
| 216        | 07/05/2011 | 13:34:48 | 0.021                     |
| 217        | 07/05/2011 | 13:35:48 | 0.020                     |
| 218        | 07/05/2011 | 13:36:48 | 0.021                     |
| 219        | 07/05/2011 | 13:37:48 | 0.020                     |
| 220        | 07/05/2011 | 13:38:48 | 0.020                     |
| 221        | 07/05/2011 | 13:39:48 | 0.021                     |
| 222        | 07/05/2011 | 13:40:48 | 0.020                     |
| 223        | 07/05/2011 | 13:41:48 | 0.020                     |
| 224        | 07/05/2011 | 13:42:48 | 0.019                     |
| 225        | 07/05/2011 | 13:43:48 | 0.020                     |
| 226        | 07/05/2011 | 13:44:48 | 0.020                     |
| 227        | 07/05/2011 | 13:45:48 | 0.019                     |
| 228        | 07/05/2011 | 13:46:48 | 0.020                     |
| 229        | 07/05/2011 | 13:47:48 | 0.022                     |
| 230        | 07/05/2011 | 13:48:48 | 0.020                     |
| 231        | 07/05/2011 | 13:49:48 | 0.021                     |
| 232        | 07/05/2011 | 13:50:48 | 0.020                     |
| 233        | 07/05/2011 | 13:51:48 | 0.020                     |
| 234        | 07/05/2011 | 13:52:48 | 0.020                     |
| 235        | 07/05/2011 | 13:53:48 | 0.020                     |
| 236        | 07/05/2011 | 13:54:48 | 0.021                     |
| 237        | 07/05/2011 | 13:55:48 | 0.020                     |
| 238        | 07/05/2011 | 13:56:48 | 0.019                     |
| 239        | 07/05/2011 | 13:57:48 | 0.020                     |
| 240        | 07/05/2011 | 13:58:48 | 0.020                     |
| 241        | 07/05/2011 | 13:59:48 | 0.020                     |
| 242        | 07/05/2011 | 14:00:48 | 0.019                     |
| 243        | 07/05/2011 | 14:01:48 | 0.019                     |
| 244        | 07/05/2011 | 14:02:48 | 0.020                     |
| 245        | 07/05/2011 | 14:03:48 | 0.020                     |
| 246        | 07/05/2011 | 14:04:48 | 0.020                     |
| 247        | 07/05/2011 | 14:05:48 | 0.021                     |
| 248        | 07/05/2011 | 14:06:48 | 0.021                     |
| 249        | 07/05/2011 | 14:07:48 | 0.019                     |
| 250        | 07/05/2011 | 14:08:48 | 0.019                     |
| 251        | 07/05/2011 | 14:09:48 | 0.019                     |
| 252        | 07/05/2011 | 14:10:48 | 0.019                     |
| 253        | 07/05/2011 | 14:11:48 | 0.020                     |
| 254        | 07/05/2011 | 14:12:48 | 0.019                     |
| 255        | 07/05/2011 | 14:13:48 | 0.020                     |
| 256        | 07/05/2011 | 14:14:48 | 0.019                     |
| 257        | 07/05/2011 | 14:15:48 | 0.019                     |
| 258        | 07/05/2011 | 14:16:48 | 0.021                     |
| 259        | 07/05/2011 | 14:17:48 | 0.021                     |
| 260        | 07/05/2011 | 14:18:48 | 0.020                     |
| 261        | 07/05/2011 | 14:19:48 | 0.021                     |
| 262        | 07/05/2011 | 14:20:48 | 0.022                     |
| 263        | 07/05/2011 | 14:21:48 | 0.019                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 264        | 07/05/2011 | 14:22:48 | 0.019                     |
| 265        | 07/05/2011 | 14:23:48 | 0.022                     |
| 266        | 07/05/2011 | 14:24:48 | 0.020                     |
| 267        | 07/05/2011 | 14:25:48 | 0.021                     |
| 268        | 07/05/2011 | 14:26:48 | 0.020                     |
| 269        | 07/05/2011 | 14:27:48 | 0.020                     |
| 270        | 07/05/2011 | 14:28:48 | 0.020                     |
| 271        | 07/05/2011 | 14:29:48 | 0.020                     |
| 272        | 07/05/2011 | 14:30:48 | 0.020                     |
| 273        | 07/05/2011 | 14:31:48 | 0.020                     |
| 274        | 07/05/2011 | 14:32:48 | 0.020                     |
| 275        | 07/05/2011 | 14:33:48 | 0.021                     |
| 276        | 07/05/2011 | 14:34:48 | 0.021                     |
| 277        | 07/05/2011 | 14:35:48 | 0.021                     |
| 278        | 07/05/2011 | 14:36:48 | 0.020                     |
| 279        | 07/05/2011 | 14:37:48 | 0.021                     |
| 280        | 07/05/2011 | 14:38:48 | 0.022                     |
| 281        | 07/05/2011 | 14:39:48 | 0.020                     |
| 282        | 07/05/2011 | 14:40:48 | 0.021                     |
| 283        | 07/05/2011 | 14:41:48 | 0.020                     |
| 284        | 07/05/2011 | 14:42:48 | 0.020                     |
| 285        | 07/05/2011 | 14:43:48 | 0.021                     |
| 286        | 07/05/2011 | 14:44:48 | 0.021                     |
| 287        | 07/05/2011 | 14:45:48 | 0.023                     |
| 288        | 07/05/2011 | 14:46:48 | 0.022                     |
| 289        | 07/05/2011 | 14:47:48 | 0.020                     |
| 290        | 07/05/2011 | 14:48:48 | 0.022                     |
| 291        | 07/05/2011 | 14:49:48 | 0.020                     |
| 292        | 07/05/2011 | 14:50:48 | 0.021                     |
| 293        | 07/05/2011 | 14:51:48 | 0.021                     |
| 294        | 07/05/2011 | 14:52:48 | 0.020                     |
| 295        | 07/05/2011 | 14:53:48 | 0.021                     |
| 296        | 07/05/2011 | 14:54:48 | 0.021                     |
| 297        | 07/05/2011 | 14:55:48 | 0.020                     |
| 298        | 07/05/2011 | 14:56:48 | 0.021                     |
| 299        | 07/05/2011 | 14:57:48 | 0.022                     |
| 300        | 07/05/2011 | 14:58:48 | 0.020                     |
| 301        | 07/05/2011 | 14:59:48 | 0.020                     |
| 302        | 07/05/2011 | 15:00:48 | 0.023                     |
| 303        | 07/05/2011 | 15:01:48 | 0.021                     |
| 304        | 07/05/2011 | 15:02:48 | 0.021                     |
| 305        | 07/05/2011 | 15:03:48 | 0.022                     |
| 306        | 07/05/2011 | 15:04:48 | 0.021                     |
| 307        | 07/05/2011 | 15:05:48 | 0.021                     |
| 308        | 07/05/2011 | 15:06:48 | 0.020                     |
| 309        | 07/05/2011 | 15:07:48 | 0.022                     |
| 310        | 07/05/2011 | 15:08:48 | 0.021                     |
| 311        | 07/05/2011 | 15:09:48 | 0.020                     |
| 312        | 07/05/2011 | 15:10:48 | 0.020                     |
| 313        | 07/05/2011 | 15:11:48 | 0.020                     |
| 314        | 07/05/2011 | 15:12:48 | 0.020                     |
| 315        | 07/05/2011 | 15:13:48 | 0.020                     |
| 316        | 07/05/2011 | 15:14:48 | 0.020                     |
| 317        | 07/05/2011 | 15:15:48 | 0.020                     |
| 318        | 07/05/2011 | 15:16:48 | 0.021                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 319        | 07/05/2011 | 15:17:48 | 0.020                     |
| 320        | 07/05/2011 | 15:18:48 | 0.021                     |
| 321        | 07/05/2011 | 15:19:48 | 0.021                     |
| 322        | 07/05/2011 | 15:20:48 | 0.022                     |
| 323        | 07/05/2011 | 15:21:48 | 0.021                     |
| 324        | 07/05/2011 | 15:22:48 | 0.021                     |
| 325        | 07/05/2011 | 15:23:48 | 0.020                     |
| 326        | 07/05/2011 | 15:24:48 | 0.020                     |
| 327        | 07/05/2011 | 15:25:48 | 0.021                     |
| 328        | 07/05/2011 | 15:26:48 | 0.020                     |
| 329        | 07/05/2011 | 15:27:48 | 0.022                     |
| 330        | 07/05/2011 | 15:28:48 | 0.021                     |
| 331        | 07/05/2011 | 15:29:48 | 0.024                     |
| 332        | 07/05/2011 | 15:30:48 | 0.021                     |
| 333        | 07/05/2011 | 15:31:48 | 0.021                     |
| 334        | 07/05/2011 | 15:32:48 | 0.020                     |
| 335        | 07/05/2011 | 15:33:48 | 0.021                     |
| 336        | 07/05/2011 | 15:34:48 | 0.022                     |
| 337        | 07/05/2011 | 15:35:48 | 0.021                     |
| 338        | 07/05/2011 | 15:36:48 | 0.020                     |
| 339        | 07/05/2011 | 15:37:48 | 0.021                     |
| 340        | 07/05/2011 | 15:38:48 | 0.021                     |
| 341        | 07/05/2011 | 15:39:48 | 0.021                     |
| 342        | 07/05/2011 | 15:40:48 | 0.023                     |
| 343        | 07/05/2011 | 15:41:48 | 0.023                     |
| 344        | 07/05/2011 | 15:42:48 | 0.023                     |
| 345        | 07/05/2011 | 15:43:48 | 0.022                     |
| 346        | 07/05/2011 | 15:44:48 | 0.024                     |
| 347        | 07/05/2011 | 15:45:48 | 0.023                     |
| 348        | 07/05/2011 | 15:46:48 | 0.021                     |
| 349        | 07/05/2011 | 15:47:48 | 0.023                     |
| 350        | 07/05/2011 | 15:48:48 | 0.023                     |
| 351        | 07/05/2011 | 15:49:48 | 0.023                     |
| 352        | 07/05/2011 | 15:50:48 | 0.023                     |
| 353        | 07/05/2011 | 15:51:48 | 0.022                     |
| 354        | 07/05/2011 | 15:52:48 | 0.024                     |
| 355        | 07/05/2011 | 15:53:48 | 0.024                     |
| 356        | 07/05/2011 | 15:54:48 | 0.024                     |
| 357        | 07/05/2011 | 15:55:48 | 0.026                     |
| 358        | 07/05/2011 | 15:56:48 | 0.024                     |
| 359        | 07/05/2011 | 15:57:48 | 0.024                     |
| 360        | 07/05/2011 | 15:58:48 | 0.024                     |
| 361        | 07/05/2011 | 15:59:48 | 0.025                     |
| 362        | 07/05/2011 | 16:00:48 | 0.023                     |
| 363        | 07/05/2011 | 16:01:48 | 0.023                     |
| 364        | 07/05/2011 | 16:02:48 | 0.026                     |

# Test 001

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 07/05/2011  |
| Meter S/N  | 85201065  | Start Time       | 10:31:55    |
|            |           | Stop Date        | 07/05/2011  |
|            |           | Stop Time        | 16:06:55    |
|            |           | Total Time       | 0:05:35:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 07/05/2011 | 10:36:55 | 0.020                     |
| 2          | 07/05/2011 | 10:41:55 | 0.016                     |
| 3          | 07/05/2011 | 10:46:55 | 0.016                     |
| 4          | 07/05/2011 | 10:51:55 | 0.017                     |
| 5          | 07/05/2011 | 10:56:55 | 0.015                     |
| 6          | 07/05/2011 | 11:01:55 | 0.016                     |
| 7          | 07/05/2011 | 11:06:55 | 0.017                     |
| 8          | 07/05/2011 | 11:11:55 | 0.016                     |
| 9          | 07/05/2011 | 11:16:55 | 0.016                     |
| 10         | 07/05/2011 | 11:21:55 | 0.016                     |
| 11         | 07/05/2011 | 11:26:55 | 0.016                     |
| 12         | 07/05/2011 | 11:31:55 | 0.021                     |
| 13         | 07/05/2011 | 11:36:55 | 0.017                     |
| 14         | 07/05/2011 | 11:41:55 | 0.019                     |
| 15         | 07/05/2011 | 11:46:55 | 0.015                     |
| 16         | 07/05/2011 | 11:51:55 | 0.016                     |
| 17         | 07/05/2011 | 11:56:55 | 0.017                     |
| 18         | 07/05/2011 | 12:01:55 | 0.018                     |
| 19         | 07/05/2011 | 12:06:55 | 0.017                     |
| 20         | 07/05/2011 | 12:11:55 | 0.018                     |
| 21         | 07/05/2011 | 12:16:55 | 0.015                     |
| 22         | 07/05/2011 | 12:21:55 | 0.015                     |
| 23         | 07/05/2011 | 12:26:55 | 0.016                     |
| 24         | 07/05/2011 | 12:31:55 | 0.017                     |
| 25         | 07/05/2011 | 12:36:55 | 0.016                     |
| 26         | 07/05/2011 | 12:41:55 | 0.016                     |
| 27         | 07/05/2011 | 12:46:55 | 0.016                     |
| 28         | 07/05/2011 | 12:51:55 | 0.017                     |
| 29         | 07/05/2011 | 12:56:55 | 0.019                     |
| 30         | 07/05/2011 | 13:01:55 | 0.022                     |
| 31         | 07/05/2011 | 13:06:55 | 0.021                     |
| 32         | 07/05/2011 | 13:11:55 | 0.020                     |
| 33         | 07/05/2011 | 13:16:55 | 0.022                     |
| 34         | 07/05/2011 | 13:21:55 | 0.020                     |
| 35         | 07/05/2011 | 13:26:55 | 0.018                     |
| 36         | 07/05/2011 | 13:31:55 | 0.019                     |
| 37         | 07/05/2011 | 13:36:55 | 0.017                     |
| 38         | 07/05/2011 | 13:41:55 | 0.018                     |
| 39         | 07/05/2011 | 13:46:55 | 0.017                     |
| 40         | 07/05/2011 | 13:51:55 | 0.017                     |
| 41         | 07/05/2011 | 13:56:55 | 0.017                     |
| 42         | 07/05/2011 | 14:01:55 | 0.018                     |
| 43         | 07/05/2011 | 14:06:55 | 0.017                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 07/05/2011 | 14:11:55 | 0.017                     |
| 45         | 07/05/2011 | 14:16:55 | 0.016                     |
| 46         | 07/05/2011 | 14:21:55 | 0.019                     |
| 47         | 07/05/2011 | 14:26:55 | 0.016                     |
| 48         | 07/05/2011 | 14:31:55 | 0.016                     |
| 49         | 07/05/2011 | 14:36:55 | 0.016                     |
| 50         | 07/05/2011 | 14:41:55 | 0.018                     |
| 51         | 07/05/2011 | 14:46:55 | 0.019                     |
| 52         | 07/05/2011 | 14:51:55 | 0.019                     |
| 53         | 07/05/2011 | 14:56:55 | 0.017                     |
| 54         | 07/05/2011 | 15:01:55 | 0.017                     |
| 55         | 07/05/2011 | 15:06:55 | 0.019                     |
| 56         | 07/05/2011 | 15:11:55 | 0.018                     |
| 57         | 07/05/2011 | 15:16:55 | 0.017                     |
| 58         | 07/05/2011 | 15:21:55 | 0.017                     |
| 59         | 07/05/2011 | 15:26:55 | 0.017                     |
| 60         | 07/05/2011 | 15:31:55 | 0.017                     |
| 61         | 07/05/2011 | 15:36:55 | 0.017                     |
| 62         | 07/05/2011 | 15:41:55 | 0.018                     |
| 63         | 07/05/2011 | 15:46:55 | 0.019                     |
| 64         | 07/05/2011 | 15:51:55 | 0.019                     |
| 65         | 07/05/2011 | 15:56:55 | 0.020                     |
| 66         | 07/05/2011 | 16:01:55 | 0.020                     |
| 67         | 07/05/2011 | 16:06:55 | 0.027                     |

# Test 002

| Instrument |           | Data Properties  |            |
|------------|-----------|------------------|------------|
| Model      | Dust Trak | Start Date       | 07/06/2011 |
| Meter S/N  | 85201091  | Start Time       | 10:11:04   |
|            |           | Stop Date        | 07/06/2011 |
|            |           | Stop Time        | 15:48:04   |
|            |           | Total Time       | 0:05:37:00 |
|            |           | Logging Interval | 60 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 07/06/2011 | 10:12:04 | 0.033                     |
| 2          | 07/06/2011 | 10:13:04 | 0.035                     |
| 3          | 07/06/2011 | 10:14:04 | 0.038                     |
| 4          | 07/06/2011 | 10:15:04 | 0.039                     |
| 5          | 07/06/2011 | 10:16:04 | 0.035                     |
| 6          | 07/06/2011 | 10:17:04 | 0.033                     |
| 7          | 07/06/2011 | 10:18:04 | 0.035                     |
| 8          | 07/06/2011 | 10:19:04 | 0.034                     |
| 9          | 07/06/2011 | 10:20:04 | 0.035                     |
| 10         | 07/06/2011 | 10:21:04 | 0.034                     |
| 11         | 07/06/2011 | 10:22:04 | 0.034                     |
| 12         | 07/06/2011 | 10:23:04 | 0.034                     |
| 13         | 07/06/2011 | 10:24:04 | 0.037                     |
| 14         | 07/06/2011 | 10:25:04 | 0.034                     |
| 15         | 07/06/2011 | 10:26:04 | 0.033                     |
| 16         | 07/06/2011 | 10:27:04 | 0.038                     |
| 17         | 07/06/2011 | 10:28:04 | 0.032                     |
| 18         | 07/06/2011 | 10:29:04 | 0.033                     |
| 19         | 07/06/2011 | 10:30:04 | 0.033                     |
| 20         | 07/06/2011 | 10:31:04 | 0.035                     |
| 21         | 07/06/2011 | 10:32:04 | 0.033                     |
| 22         | 07/06/2011 | 10:33:04 | 0.033                     |
| 23         | 07/06/2011 | 10:34:04 | 0.033                     |
| 24         | 07/06/2011 | 10:35:04 | 0.035                     |
| 25         | 07/06/2011 | 10:36:04 | 0.033                     |
| 26         | 07/06/2011 | 10:37:04 | 0.034                     |
| 27         | 07/06/2011 | 10:38:04 | 0.033                     |
| 28         | 07/06/2011 | 10:39:04 | 0.031                     |
| 29         | 07/06/2011 | 10:40:04 | 0.033                     |
| 30         | 07/06/2011 | 10:41:04 | 0.035                     |
| 31         | 07/06/2011 | 10:42:04 | 0.033                     |
| 32         | 07/06/2011 | 10:43:04 | 0.031                     |
| 33         | 07/06/2011 | 10:44:04 | 0.033                     |
| 34         | 07/06/2011 | 10:45:04 | 0.036                     |
| 35         | 07/06/2011 | 10:46:04 | 0.031                     |
| 36         | 07/06/2011 | 10:47:04 | 0.031                     |
| 37         | 07/06/2011 | 10:48:04 | 0.031                     |
| 38         | 07/06/2011 | 10:49:04 | 0.032                     |
| 39         | 07/06/2011 | 10:50:04 | 0.032                     |
| 40         | 07/06/2011 | 10:51:04 | 0.033                     |
| 41         | 07/06/2011 | 10:52:04 | 0.031                     |
| 42         | 07/06/2011 | 10:53:04 | 0.033                     |
| 43         | 07/06/2011 | 10:54:04 | 0.033                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 07/06/2011 | 10:55:04 | 0.032                     |
| 45         | 07/06/2011 | 10:56:04 | 0.036                     |
| 46         | 07/06/2011 | 10:57:04 | 0.037                     |
| 47         | 07/06/2011 | 10:58:04 | 0.032                     |
| 48         | 07/06/2011 | 10:59:04 | 0.033                     |
| 49         | 07/06/2011 | 11:00:04 | 0.031                     |
| 50         | 07/06/2011 | 11:01:04 | 0.032                     |
| 51         | 07/06/2011 | 11:02:04 | 0.032                     |
| 52         | 07/06/2011 | 11:03:04 | 0.032                     |
| 53         | 07/06/2011 | 11:04:04 | 0.031                     |
| 54         | 07/06/2011 | 11:05:04 | 0.033                     |
| 55         | 07/06/2011 | 11:06:04 | 0.034                     |
| 56         | 07/06/2011 | 11:07:04 | 0.033                     |
| 57         | 07/06/2011 | 11:08:04 | 0.030                     |
| 58         | 07/06/2011 | 11:09:04 | 0.033                     |
| 59         | 07/06/2011 | 11:10:04 | 0.031                     |
| 60         | 07/06/2011 | 11:11:04 | 0.033                     |
| 61         | 07/06/2011 | 11:12:04 | 0.031                     |
| 62         | 07/06/2011 | 11:13:04 | 0.032                     |
| 63         | 07/06/2011 | 11:14:04 | 0.031                     |
| 64         | 07/06/2011 | 11:15:04 | 0.032                     |
| 65         | 07/06/2011 | 11:16:04 | 0.031                     |
| 66         | 07/06/2011 | 11:17:04 | 0.029                     |
| 67         | 07/06/2011 | 11:18:04 | 0.030                     |
| 68         | 07/06/2011 | 11:19:04 | 0.032                     |
| 69         | 07/06/2011 | 11:20:04 | 0.034                     |
| 70         | 07/06/2011 | 11:21:04 | 0.036                     |
| 71         | 07/06/2011 | 11:22:04 | 0.033                     |
| 72         | 07/06/2011 | 11:23:04 | 0.034                     |
| 73         | 07/06/2011 | 11:24:04 | 0.033                     |
| 74         | 07/06/2011 | 11:25:04 | 0.033                     |
| 75         | 07/06/2011 | 11:26:04 | 0.033                     |
| 76         | 07/06/2011 | 11:27:04 | 0.033                     |
| 77         | 07/06/2011 | 11:28:04 | 0.032                     |
| 78         | 07/06/2011 | 11:29:04 | 0.034                     |
| 79         | 07/06/2011 | 11:30:04 | 0.034                     |
| 80         | 07/06/2011 | 11:31:04 | 0.033                     |
| 81         | 07/06/2011 | 11:32:04 | 0.033                     |
| 82         | 07/06/2011 | 11:33:04 | 0.032                     |
| 83         | 07/06/2011 | 11:34:04 | 0.033                     |
| 84         | 07/06/2011 | 11:35:04 | 0.033                     |
| 85         | 07/06/2011 | 11:36:04 | 0.033                     |
| 86         | 07/06/2011 | 11:37:04 | 0.033                     |
| 87         | 07/06/2011 | 11:38:04 | 0.035                     |
| 88         | 07/06/2011 | 11:39:04 | 0.031                     |
| 89         | 07/06/2011 | 11:40:04 | 0.033                     |
| 90         | 07/06/2011 | 11:41:04 | 0.035                     |
| 91         | 07/06/2011 | 11:42:04 | 0.040                     |
| 92         | 07/06/2011 | 11:43:04 | 0.032                     |
| 93         | 07/06/2011 | 11:44:04 | 0.034                     |
| 94         | 07/06/2011 | 11:45:04 | 0.032                     |
| 95         | 07/06/2011 | 11:46:04 | 0.033                     |
| 96         | 07/06/2011 | 11:47:04 | 0.033                     |
| 97         | 07/06/2011 | 11:48:04 | 0.032                     |
| 98         | 07/06/2011 | 11:49:04 | 0.032                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 99         | 07/06/2011 | 11:50:04 | 0.032                     |
| 100        | 07/06/2011 | 11:51:04 | 0.033                     |
| 101        | 07/06/2011 | 11:52:04 | 0.032                     |
| 102        | 07/06/2011 | 11:53:04 | 0.033                     |
| 103        | 07/06/2011 | 11:54:04 | 0.032                     |
| 104        | 07/06/2011 | 11:55:04 | 0.032                     |
| 105        | 07/06/2011 | 11:56:04 | 0.033                     |
| 106        | 07/06/2011 | 11:57:04 | 0.034                     |
| 107        | 07/06/2011 | 11:58:04 | 0.036                     |
| 108        | 07/06/2011 | 11:59:04 | 0.039                     |
| 109        | 07/06/2011 | 12:00:04 | 0.038                     |
| 110        | 07/06/2011 | 12:01:04 | 0.040                     |
| 111        | 07/06/2011 | 12:02:04 | 0.039                     |
| 112        | 07/06/2011 | 12:03:04 | 0.036                     |
| 113        | 07/06/2011 | 12:04:04 | 0.035                     |
| 114        | 07/06/2011 | 12:05:04 | 0.039                     |
| 115        | 07/06/2011 | 12:06:04 | 0.038                     |
| 116        | 07/06/2011 | 12:07:04 | 0.036                     |
| 117        | 07/06/2011 | 12:08:04 | 0.036                     |
| 118        | 07/06/2011 | 12:09:04 | 0.036                     |
| 119        | 07/06/2011 | 12:10:04 | 0.038                     |
| 120        | 07/06/2011 | 12:11:04 | 0.033                     |
| 121        | 07/06/2011 | 12:12:04 | 0.053                     |
| 122        | 07/06/2011 | 12:13:04 | 0.033                     |
| 123        | 07/06/2011 | 12:14:04 | 0.037                     |
| 124        | 07/06/2011 | 12:15:04 | 0.034                     |
| 125        | 07/06/2011 | 12:16:04 | 0.031                     |
| 126        | 07/06/2011 | 12:17:04 | 0.034                     |
| 127        | 07/06/2011 | 12:18:04 | 0.033                     |
| 128        | 07/06/2011 | 12:19:04 | 0.033                     |
| 129        | 07/06/2011 | 12:20:04 | 0.035                     |
| 130        | 07/06/2011 | 12:21:04 | 0.037                     |
| 131        | 07/06/2011 | 12:22:04 | 0.038                     |
| 132        | 07/06/2011 | 12:23:04 | 0.037                     |
| 133        | 07/06/2011 | 12:24:04 | 0.036                     |
| 134        | 07/06/2011 | 12:25:04 | 0.036                     |
| 135        | 07/06/2011 | 12:26:04 | 0.035                     |
| 136        | 07/06/2011 | 12:27:04 | 0.032                     |
| 137        | 07/06/2011 | 12:28:04 | 0.033                     |
| 138        | 07/06/2011 | 12:29:04 | 0.034                     |
| 139        | 07/06/2011 | 12:30:04 | 0.035                     |
| 140        | 07/06/2011 | 12:31:04 | 0.035                     |
| 141        | 07/06/2011 | 12:32:04 | 0.035                     |
| 142        | 07/06/2011 | 12:33:04 | 0.036                     |
| 143        | 07/06/2011 | 12:34:04 | 0.036                     |
| 144        | 07/06/2011 | 12:35:04 | 0.033                     |
| 145        | 07/06/2011 | 12:36:04 | 0.034                     |
| 146        | 07/06/2011 | 12:37:04 | 0.035                     |
| 147        | 07/06/2011 | 12:38:04 | 0.035                     |
| 148        | 07/06/2011 | 12:39:04 | 0.034                     |
| 149        | 07/06/2011 | 12:40:04 | 0.032                     |
| 150        | 07/06/2011 | 12:41:04 | 0.035                     |
| 151        | 07/06/2011 | 12:42:04 | 0.034                     |
| 152        | 07/06/2011 | 12:43:04 | 0.032                     |
| 153        | 07/06/2011 | 12:44:04 | 0.030                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 154        | 07/06/2011 | 12:45:04 | 0.032                     |
| 155        | 07/06/2011 | 12:46:04 | 0.033                     |
| 156        | 07/06/2011 | 12:47:04 | 0.033                     |
| 157        | 07/06/2011 | 12:48:04 | 0.032                     |
| 158        | 07/06/2011 | 12:49:04 | 0.032                     |
| 159        | 07/06/2011 | 12:50:04 | 0.030                     |
| 160        | 07/06/2011 | 12:51:04 | 0.031                     |
| 161        | 07/06/2011 | 12:52:04 | 0.032                     |
| 162        | 07/06/2011 | 12:53:04 | 0.034                     |
| 163        | 07/06/2011 | 12:54:04 | 0.033                     |
| 164        | 07/06/2011 | 12:55:04 | 0.036                     |
| 165        | 07/06/2011 | 12:56:04 | 0.037                     |
| 166        | 07/06/2011 | 12:57:04 | 0.032                     |
| 167        | 07/06/2011 | 12:58:04 | 0.037                     |
| 168        | 07/06/2011 | 12:59:04 | 0.035                     |
| 169        | 07/06/2011 | 13:00:04 | 0.036                     |
| 170        | 07/06/2011 | 13:01:04 | 0.033                     |
| 171        | 07/06/2011 | 13:02:04 | 0.032                     |
| 172        | 07/06/2011 | 13:03:04 | 0.033                     |
| 173        | 07/06/2011 | 13:04:04 | 0.037                     |
| 174        | 07/06/2011 | 13:05:04 | 0.037                     |
| 175        | 07/06/2011 | 13:06:04 | 0.035                     |
| 176        | 07/06/2011 | 13:07:04 | 0.034                     |
| 177        | 07/06/2011 | 13:08:04 | 0.035                     |
| 178        | 07/06/2011 | 13:09:04 | 0.040                     |
| 179        | 07/06/2011 | 13:10:04 | 0.036                     |
| 180        | 07/06/2011 | 13:11:04 | 0.037                     |
| 181        | 07/06/2011 | 13:12:04 | 0.036                     |
| 182        | 07/06/2011 | 13:13:04 | 0.036                     |
| 183        | 07/06/2011 | 13:14:04 | 0.034                     |
| 184        | 07/06/2011 | 13:15:04 | 0.036                     |
| 185        | 07/06/2011 | 13:16:04 | 0.035                     |
| 186        | 07/06/2011 | 13:17:04 | 0.035                     |
| 187        | 07/06/2011 | 13:18:04 | 0.035                     |
| 188        | 07/06/2011 | 13:19:04 | 0.032                     |
| 189        | 07/06/2011 | 13:20:04 | 0.038                     |
| 190        | 07/06/2011 | 13:21:04 | 0.039                     |
| 191        | 07/06/2011 | 13:22:04 | 0.037                     |
| 192        | 07/06/2011 | 13:23:04 | 0.038                     |
| 193        | 07/06/2011 | 13:24:04 | 0.035                     |
| 194        | 07/06/2011 | 13:25:04 | 0.034                     |
| 195        | 07/06/2011 | 13:26:04 | 0.038                     |
| 196        | 07/06/2011 | 13:27:04 | 0.032                     |
| 197        | 07/06/2011 | 13:28:04 | 0.033                     |
| 198        | 07/06/2011 | 13:29:04 | 0.034                     |
| 199        | 07/06/2011 | 13:30:04 | 0.036                     |
| 200        | 07/06/2011 | 13:31:04 | 0.035                     |
| 201        | 07/06/2011 | 13:32:04 | 0.037                     |
| 202        | 07/06/2011 | 13:33:04 | 0.036                     |
| 203        | 07/06/2011 | 13:34:04 | 0.037                     |
| 204        | 07/06/2011 | 13:35:04 | 0.036                     |
| 205        | 07/06/2011 | 13:36:04 | 0.036                     |
| 206        | 07/06/2011 | 13:37:04 | 0.038                     |
| 207        | 07/06/2011 | 13:38:04 | 0.037                     |
| 208        | 07/06/2011 | 13:39:04 | 0.039                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 209        | 07/06/2011 | 13:40:04 | 0.037                     |
| 210        | 07/06/2011 | 13:41:04 | 0.043                     |
| 211        | 07/06/2011 | 13:42:04 | 0.039                     |
| 212        | 07/06/2011 | 13:43:04 | 0.035                     |
| 213        | 07/06/2011 | 13:44:04 | 0.038                     |
| 214        | 07/06/2011 | 13:45:04 | 0.038                     |
| 215        | 07/06/2011 | 13:46:04 | 0.038                     |
| 216        | 07/06/2011 | 13:47:04 | 0.038                     |
| 217        | 07/06/2011 | 13:48:04 | 0.038                     |
| 218        | 07/06/2011 | 13:49:04 | 0.037                     |
| 219        | 07/06/2011 | 13:50:04 | 0.038                     |
| 220        | 07/06/2011 | 13:51:04 | 0.038                     |
| 221        | 07/06/2011 | 13:52:04 | 0.039                     |
| 222        | 07/06/2011 | 13:53:04 | 0.037                     |
| 223        | 07/06/2011 | 13:54:04 | 0.035                     |
| 224        | 07/06/2011 | 13:55:04 | 0.037                     |
| 225        | 07/06/2011 | 13:56:04 | 0.031                     |
| 226        | 07/06/2011 | 13:57:04 | 0.028                     |
| 227        | 07/06/2011 | 13:58:04 | 0.031                     |
| 228        | 07/06/2011 | 13:59:04 | 0.029                     |
| 229        | 07/06/2011 | 14:00:04 | 0.026                     |
| 230        | 07/06/2011 | 14:01:04 | 0.025                     |
| 231        | 07/06/2011 | 14:02:04 | 0.033                     |
| 232        | 07/06/2011 | 14:03:04 | 0.030                     |
| 233        | 07/06/2011 | 14:04:04 | 0.025                     |
| 234        | 07/06/2011 | 14:05:04 | 0.023                     |
| 235        | 07/06/2011 | 14:06:04 | 0.028                     |
| 236        | 07/06/2011 | 14:07:04 | 0.022                     |
| 237        | 07/06/2011 | 14:08:04 | 0.023                     |
| 238        | 07/06/2011 | 14:09:04 | 0.026                     |
| 239        | 07/06/2011 | 14:10:04 | 0.022                     |
| 240        | 07/06/2011 | 14:11:04 | 0.023                     |
| 241        | 07/06/2011 | 14:12:04 | 0.024                     |
| 242        | 07/06/2011 | 14:13:04 | 0.024                     |
| 243        | 07/06/2011 | 14:14:04 | 0.024                     |
| 244        | 07/06/2011 | 14:15:04 | 0.024                     |
| 245        | 07/06/2011 | 14:16:04 | 0.024                     |
| 246        | 07/06/2011 | 14:17:04 | 0.026                     |
| 247        | 07/06/2011 | 14:18:04 | 0.026                     |
| 248        | 07/06/2011 | 14:19:04 | 0.025                     |
| 249        | 07/06/2011 | 14:20:04 | 0.025                     |
| 250        | 07/06/2011 | 14:21:04 | 0.025                     |
| 251        | 07/06/2011 | 14:22:04 | 0.025                     |
| 252        | 07/06/2011 | 14:23:04 | 0.026                     |
| 253        | 07/06/2011 | 14:24:04 | 0.026                     |
| 254        | 07/06/2011 | 14:25:04 | 0.026                     |
| 255        | 07/06/2011 | 14:26:04 | 0.025                     |
| 256        | 07/06/2011 | 14:27:04 | 0.025                     |
| 257        | 07/06/2011 | 14:28:04 | 0.027                     |
| 258        | 07/06/2011 | 14:29:04 | 0.026                     |
| 259        | 07/06/2011 | 14:30:04 | 0.026                     |
| 260        | 07/06/2011 | 14:31:04 | 0.026                     |
| 261        | 07/06/2011 | 14:32:04 | 0.026                     |
| 262        | 07/06/2011 | 14:33:04 | 0.024                     |
| 263        | 07/06/2011 | 14:34:04 | 0.024                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 264        | 07/06/2011 | 14:35:04 | 0.025                     |
| 265        | 07/06/2011 | 14:36:04 | 0.024                     |
| 266        | 07/06/2011 | 14:37:04 | 0.024                     |
| 267        | 07/06/2011 | 14:38:04 | 0.024                     |
| 268        | 07/06/2011 | 14:39:04 | 0.027                     |
| 269        | 07/06/2011 | 14:40:04 | 0.023                     |
| 270        | 07/06/2011 | 14:41:04 | 0.024                     |
| 271        | 07/06/2011 | 14:42:04 | 0.022                     |
| 272        | 07/06/2011 | 14:43:04 | 0.023                     |
| 273        | 07/06/2011 | 14:44:04 | 0.022                     |
| 274        | 07/06/2011 | 14:45:04 | 0.023                     |
| 275        | 07/06/2011 | 14:46:04 | 0.025                     |
| 276        | 07/06/2011 | 14:47:04 | 0.021                     |
| 277        | 07/06/2011 | 14:48:04 | 0.021                     |
| 278        | 07/06/2011 | 14:49:04 | 0.022                     |
| 279        | 07/06/2011 | 14:50:04 | 0.022                     |
| 280        | 07/06/2011 | 14:51:04 | 0.022                     |
| 281        | 07/06/2011 | 14:52:04 | 0.021                     |
| 282        | 07/06/2011 | 14:53:04 | 0.023                     |
| 283        | 07/06/2011 | 14:54:04 | 0.021                     |
| 284        | 07/06/2011 | 14:55:04 | 0.022                     |
| 285        | 07/06/2011 | 14:56:04 | 0.022                     |
| 286        | 07/06/2011 | 14:57:04 | 0.021                     |
| 287        | 07/06/2011 | 14:58:04 | 0.024                     |
| 288        | 07/06/2011 | 14:59:04 | 0.021                     |
| 289        | 07/06/2011 | 15:00:04 | 0.021                     |
| 290        | 07/06/2011 | 15:01:04 | 0.022                     |
| 291        | 07/06/2011 | 15:02:04 | 0.023                     |
| 292        | 07/06/2011 | 15:03:04 | 0.021                     |
| 293        | 07/06/2011 | 15:04:04 | 0.021                     |
| 294        | 07/06/2011 | 15:05:04 | 0.023                     |
| 295        | 07/06/2011 | 15:06:04 | 0.021                     |
| 296        | 07/06/2011 | 15:07:04 | 0.022                     |
| 297        | 07/06/2011 | 15:08:04 | 0.022                     |
| 298        | 07/06/2011 | 15:09:04 | 0.021                     |
| 299        | 07/06/2011 | 15:10:04 | 0.023                     |
| 300        | 07/06/2011 | 15:11:04 | 0.023                     |
| 301        | 07/06/2011 | 15:12:04 | 0.022                     |
| 302        | 07/06/2011 | 15:13:04 | 0.024                     |
| 303        | 07/06/2011 | 15:14:04 | 0.022                     |
| 304        | 07/06/2011 | 15:15:04 | 0.022                     |
| 305        | 07/06/2011 | 15:16:04 | 0.022                     |
| 306        | 07/06/2011 | 15:17:04 | 0.022                     |
| 307        | 07/06/2011 | 15:18:04 | 0.022                     |
| 308        | 07/06/2011 | 15:19:04 | 0.023                     |
| 309        | 07/06/2011 | 15:20:04 | 0.025                     |
| 310        | 07/06/2011 | 15:21:04 | 0.024                     |
| 311        | 07/06/2011 | 15:22:04 | 0.023                     |
| 312        | 07/06/2011 | 15:23:04 | 0.027                     |
| 313        | 07/06/2011 | 15:24:04 | 0.022                     |
| 314        | 07/06/2011 | 15:25:04 | 0.023                     |
| 315        | 07/06/2011 | 15:26:04 | 0.024                     |
| 316        | 07/06/2011 | 15:27:04 | 0.024                     |
| 317        | 07/06/2011 | 15:28:04 | 0.023                     |
| 318        | 07/06/2011 | 15:29:04 | 0.022                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 319        | 07/06/2011 | 15:30:04 | 0.023                     |
| 320        | 07/06/2011 | 15:31:04 | 0.025                     |
| 321        | 07/06/2011 | 15:32:04 | 0.024                     |
| 322        | 07/06/2011 | 15:33:04 | 0.024                     |
| 323        | 07/06/2011 | 15:34:04 | 0.025                     |
| 324        | 07/06/2011 | 15:35:04 | 0.026                     |
| 325        | 07/06/2011 | 15:36:04 | 0.026                     |
| 326        | 07/06/2011 | 15:37:04 | 0.026                     |
| 327        | 07/06/2011 | 15:38:04 | 0.029                     |
| 328        | 07/06/2011 | 15:39:04 | 0.026                     |
| 329        | 07/06/2011 | 15:40:04 | 0.028                     |
| 330        | 07/06/2011 | 15:41:04 | 0.029                     |
| 331        | 07/06/2011 | 15:42:04 | 0.028                     |
| 332        | 07/06/2011 | 15:43:04 | 0.029                     |
| 333        | 07/06/2011 | 15:44:04 | 0.030                     |
| 334        | 07/06/2011 | 15:45:04 | 0.027                     |
| 335        | 07/06/2011 | 15:46:04 | 0.027                     |
| 336        | 07/06/2011 | 15:47:04 | 0.027                     |
| 337        | 07/06/2011 | 15:48:04 | 0.025                     |



# Test 002

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 07/06/2011  |
| Meter S/N  | 85201065  | Start Time       | 10:08:35    |
|            |           | Stop Date        | 07/06/2011  |
|            |           | Stop Time        | 15:48:35    |
|            |           | Total Time       | 0:05:40:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 07/06/2011 | 10:13:35 | 0.033                     |
| 2          | 07/06/2011 | 10:18:35 | 0.038                     |
| 3          | 07/06/2011 | 10:23:35 | 0.122                     |
| 4          | 07/06/2011 | 10:28:35 | 0.044                     |
| 5          | 07/06/2011 | 10:33:35 | 0.046                     |
| 6          | 07/06/2011 | 10:38:35 | 0.036                     |
| 7          | 07/06/2011 | 10:43:35 | 0.036                     |
| 8          | 07/06/2011 | 10:48:35 | 0.051                     |
| 9          | 07/06/2011 | 10:53:35 | 0.041                     |
| 10         | 07/06/2011 | 10:58:35 | 0.032                     |
| 11         | 07/06/2011 | 11:03:35 | 0.031                     |
| 12         | 07/06/2011 | 11:08:35 | 0.033                     |
| 13         | 07/06/2011 | 11:13:35 | 0.033                     |
| 14         | 07/06/2011 | 11:18:35 | 0.035                     |
| 15         | 07/06/2011 | 11:23:35 | 0.032                     |
| 16         | 07/06/2011 | 11:28:35 | 0.031                     |
| 17         | 07/06/2011 | 11:33:35 | 0.035                     |
| 18         | 07/06/2011 | 11:38:35 | 0.095                     |
| 19         | 07/06/2011 | 11:43:35 | 0.038                     |
| 20         | 07/06/2011 | 11:48:35 | 0.041                     |
| 21         | 07/06/2011 | 11:53:35 | 0.162                     |
| 22         | 07/06/2011 | 11:58:35 | 0.034                     |
| 23         | 07/06/2011 | 12:03:35 | 0.042                     |
| 24         | 07/06/2011 | 12:08:35 | 0.038                     |
| 25         | 07/06/2011 | 12:13:35 | 0.033                     |
| 26         | 07/06/2011 | 12:18:35 | 0.031                     |
| 27         | 07/06/2011 | 12:23:35 | 0.034                     |
| 28         | 07/06/2011 | 12:28:35 | 0.032                     |
| 29         | 07/06/2011 | 12:33:35 | 0.034                     |
| 30         | 07/06/2011 | 12:38:35 | 0.033                     |
| 31         | 07/06/2011 | 12:43:35 | 0.030                     |
| 32         | 07/06/2011 | 12:48:35 | 0.029                     |
| 33         | 07/06/2011 | 12:53:35 | 0.030                     |
| 34         | 07/06/2011 | 12:58:35 | 0.037                     |
| 35         | 07/06/2011 | 13:03:35 | 0.033                     |
| 36         | 07/06/2011 | 13:08:35 | 0.033                     |
| 37         | 07/06/2011 | 13:13:35 | 0.035                     |
| 38         | 07/06/2011 | 13:18:35 | 0.035                     |
| 39         | 07/06/2011 | 13:23:35 | 0.049                     |
| 40         | 07/06/2011 | 13:28:35 | 0.034                     |
| 41         | 07/06/2011 | 13:33:35 | 0.050                     |
| 42         | 07/06/2011 | 13:38:35 | 0.035                     |
| 43         | 07/06/2011 | 13:43:35 | 0.051                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 07/06/2011 | 13:48:35 | 0.034                     |
| 45         | 07/06/2011 | 13:53:35 | 0.037                     |
| 46         | 07/06/2011 | 13:58:35 | 0.049                     |
| 47         | 07/06/2011 | 14:03:35 | 0.024                     |
| 48         | 07/06/2011 | 14:08:35 | 0.020                     |
| 49         | 07/06/2011 | 14:13:35 | 0.021                     |
| 50         | 07/06/2011 | 14:18:35 | 0.023                     |
| 51         | 07/06/2011 | 14:23:35 | 0.023                     |
| 52         | 07/06/2011 | 14:28:35 | 0.024                     |
| 53         | 07/06/2011 | 14:33:35 | 0.023                     |
| 54         | 07/06/2011 | 14:38:35 | 0.022                     |
| 55         | 07/06/2011 | 14:43:35 | 0.021                     |
| 56         | 07/06/2011 | 14:48:35 | 0.019                     |
| 57         | 07/06/2011 | 14:53:35 | 0.020                     |
| 58         | 07/06/2011 | 14:58:35 | 0.019                     |
| 59         | 07/06/2011 | 15:03:35 | 0.019                     |
| 60         | 07/06/2011 | 15:08:35 | 0.019                     |
| 61         | 07/06/2011 | 15:13:35 | 0.021                     |
| 62         | 07/06/2011 | 15:18:35 | 0.023                     |
| 63         | 07/06/2011 | 15:23:35 | 0.021                     |
| 64         | 07/06/2011 | 15:28:35 | 0.021                     |
| 65         | 07/06/2011 | 15:33:35 | 0.022                     |
| 66         | 07/06/2011 | 15:38:35 | 0.023                     |
| 67         | 07/06/2011 | 15:43:35 | 0.025                     |
| 68         | 07/06/2011 | 15:48:35 | 0.024                     |

# Test 003

| Instrument |           | Data Properties  |            |
|------------|-----------|------------------|------------|
| Model      | Dust Trak | Start Date       | 07/07/2011 |
| Meter S/N  | 85201091  | Start Time       | 08:25:31   |
|            |           | Stop Date        | 07/07/2011 |
|            |           | Stop Time        | 16:10:31   |
|            |           | Total Time       | 0:07:45:00 |
|            |           | Logging Interval | 60 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 07/07/2011 | 08:26:31 | 0.024                     |
| 2          | 07/07/2011 | 08:27:31 | 0.023                     |
| 3          | 07/07/2011 | 08:28:31 | 0.023                     |
| 4          | 07/07/2011 | 08:29:31 | 0.022                     |
| 5          | 07/07/2011 | 08:30:31 | 0.022                     |
| 6          | 07/07/2011 | 08:31:31 | 0.022                     |
| 7          | 07/07/2011 | 08:32:31 | 0.024                     |
| 8          | 07/07/2011 | 08:33:31 | 0.022                     |
| 9          | 07/07/2011 | 08:34:31 | 0.022                     |
| 10         | 07/07/2011 | 08:35:31 | 0.022                     |
| 11         | 07/07/2011 | 08:36:31 | 0.023                     |
| 12         | 07/07/2011 | 08:37:31 | 0.022                     |
| 13         | 07/07/2011 | 08:38:31 | 0.021                     |
| 14         | 07/07/2011 | 08:39:31 | 0.022                     |
| 15         | 07/07/2011 | 08:40:31 | 0.021                     |
| 16         | 07/07/2011 | 08:41:31 | 0.021                     |
| 17         | 07/07/2011 | 08:42:31 | 0.020                     |
| 18         | 07/07/2011 | 08:43:31 | 0.020                     |
| 19         | 07/07/2011 | 08:44:31 | 0.021                     |
| 20         | 07/07/2011 | 08:45:31 | 0.020                     |
| 21         | 07/07/2011 | 08:46:31 | 0.020                     |
| 22         | 07/07/2011 | 08:47:31 | 0.020                     |
| 23         | 07/07/2011 | 08:48:31 | 0.021                     |
| 24         | 07/07/2011 | 08:49:31 | 0.020                     |
| 25         | 07/07/2011 | 08:50:31 | 0.019                     |
| 26         | 07/07/2011 | 08:51:31 | 0.019                     |
| 27         | 07/07/2011 | 08:52:31 | 0.020                     |
| 28         | 07/07/2011 | 08:53:31 | 0.021                     |
| 29         | 07/07/2011 | 08:54:31 | 0.020                     |
| 30         | 07/07/2011 | 08:55:31 | 0.020                     |
| 31         | 07/07/2011 | 08:56:31 | 0.019                     |
| 32         | 07/07/2011 | 08:57:31 | 0.021                     |
| 33         | 07/07/2011 | 08:58:31 | 0.021                     |
| 34         | 07/07/2011 | 08:59:31 | 0.020                     |
| 35         | 07/07/2011 | 09:00:31 | 0.020                     |
| 36         | 07/07/2011 | 09:01:31 | 0.024                     |
| 37         | 07/07/2011 | 09:02:31 | 0.019                     |
| 38         | 07/07/2011 | 09:03:31 | 0.020                     |
| 39         | 07/07/2011 | 09:04:31 | 0.020                     |
| 40         | 07/07/2011 | 09:05:31 | 0.019                     |
| 41         | 07/07/2011 | 09:06:31 | 0.020                     |
| 42         | 07/07/2011 | 09:07:31 | 0.019                     |
| 43         | 07/07/2011 | 09:08:31 | 0.020                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 07/07/2011 | 09:09:31 | 0.023                     |
| 45         | 07/07/2011 | 09:10:31 | 0.020                     |
| 46         | 07/07/2011 | 09:11:31 | 0.021                     |
| 47         | 07/07/2011 | 09:12:31 | 0.022                     |
| 48         | 07/07/2011 | 09:13:31 | 0.021                     |
| 49         | 07/07/2011 | 09:14:31 | 0.023                     |
| 50         | 07/07/2011 | 09:15:31 | 0.022                     |
| 51         | 07/07/2011 | 09:16:31 | 0.023                     |
| 52         | 07/07/2011 | 09:17:31 | 0.022                     |
| 53         | 07/07/2011 | 09:18:31 | 0.021                     |
| 54         | 07/07/2011 | 09:19:31 | 0.021                     |
| 55         | 07/07/2011 | 09:20:31 | 0.022                     |
| 56         | 07/07/2011 | 09:21:31 | 0.022                     |
| 57         | 07/07/2011 | 09:22:31 | 0.022                     |
| 58         | 07/07/2011 | 09:23:31 | 0.022                     |
| 59         | 07/07/2011 | 09:24:31 | 0.023                     |
| 60         | 07/07/2011 | 09:25:31 | 0.022                     |
| 61         | 07/07/2011 | 09:26:31 | 0.023                     |
| 62         | 07/07/2011 | 09:27:31 | 0.023                     |
| 63         | 07/07/2011 | 09:28:31 | 0.022                     |
| 64         | 07/07/2011 | 09:29:31 | 0.022                     |
| 65         | 07/07/2011 | 09:30:31 | 0.023                     |
| 66         | 07/07/2011 | 09:31:31 | 0.022                     |
| 67         | 07/07/2011 | 09:32:31 | 0.028                     |
| 68         | 07/07/2011 | 09:33:31 | 0.027                     |
| 69         | 07/07/2011 | 09:34:31 | 0.025                     |
| 70         | 07/07/2011 | 09:35:31 | 0.025                     |
| 71         | 07/07/2011 | 09:36:31 | 0.024                     |
| 72         | 07/07/2011 | 09:37:31 | 0.023                     |
| 73         | 07/07/2011 | 09:38:31 | 0.025                     |
| 74         | 07/07/2011 | 09:39:31 | 0.023                     |
| 75         | 07/07/2011 | 09:40:31 | 0.023                     |
| 76         | 07/07/2011 | 09:41:31 | 0.023                     |
| 77         | 07/07/2011 | 09:42:31 | 0.024                     |
| 78         | 07/07/2011 | 09:43:31 | 0.022                     |
| 79         | 07/07/2011 | 09:44:31 | 0.022                     |
| 80         | 07/07/2011 | 09:45:31 | 0.022                     |
| 81         | 07/07/2011 | 09:46:31 | 0.022                     |
| 82         | 07/07/2011 | 09:47:31 | 0.022                     |
| 83         | 07/07/2011 | 09:48:31 | 0.022                     |
| 84         | 07/07/2011 | 09:49:31 | 0.023                     |
| 85         | 07/07/2011 | 09:50:31 | 0.024                     |
| 86         | 07/07/2011 | 09:51:31 | 0.023                     |
| 87         | 07/07/2011 | 09:52:31 | 0.022                     |
| 88         | 07/07/2011 | 09:53:31 | 0.022                     |
| 89         | 07/07/2011 | 09:54:31 | 0.023                     |
| 90         | 07/07/2011 | 09:55:31 | 0.023                     |
| 91         | 07/07/2011 | 09:56:31 | 0.023                     |
| 92         | 07/07/2011 | 09:57:31 | 0.023                     |
| 93         | 07/07/2011 | 09:58:31 | 0.023                     |
| 94         | 07/07/2011 | 09:59:31 | 0.023                     |
| 95         | 07/07/2011 | 10:00:31 | 0.023                     |
| 96         | 07/07/2011 | 10:01:31 | 0.025                     |
| 97         | 07/07/2011 | 10:02:31 | 0.023                     |
| 98         | 07/07/2011 | 10:03:31 | 0.023                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 99         | 07/07/2011 | 10:04:31 | 0.023                     |
| 100        | 07/07/2011 | 10:05:31 | 0.023                     |
| 101        | 07/07/2011 | 10:06:31 | 0.023                     |
| 102        | 07/07/2011 | 10:07:31 | 0.024                     |
| 103        | 07/07/2011 | 10:08:31 | 0.023                     |
| 104        | 07/07/2011 | 10:09:31 | 0.023                     |
| 105        | 07/07/2011 | 10:10:31 | 0.022                     |
| 106        | 07/07/2011 | 10:11:31 | 0.022                     |
| 107        | 07/07/2011 | 10:12:31 | 0.023                     |
| 108        | 07/07/2011 | 10:13:31 | 0.022                     |
| 109        | 07/07/2011 | 10:14:31 | 0.021                     |
| 110        | 07/07/2011 | 10:15:31 | 0.022                     |
| 111        | 07/07/2011 | 10:16:31 | 0.023                     |
| 112        | 07/07/2011 | 10:17:31 | 0.022                     |
| 113        | 07/07/2011 | 10:18:31 | 0.022                     |
| 114        | 07/07/2011 | 10:19:31 | 0.023                     |
| 115        | 07/07/2011 | 10:20:31 | 0.022                     |
| 116        | 07/07/2011 | 10:21:31 | 0.022                     |
| 117        | 07/07/2011 | 10:22:31 | 0.021                     |
| 118        | 07/07/2011 | 10:23:31 | 0.023                     |
| 119        | 07/07/2011 | 10:24:31 | 0.024                     |
| 120        | 07/07/2011 | 10:25:31 | 0.024                     |
| 121        | 07/07/2011 | 10:26:31 | 0.024                     |
| 122        | 07/07/2011 | 10:27:31 | 0.021                     |
| 123        | 07/07/2011 | 10:28:31 | 0.021                     |
| 124        | 07/07/2011 | 10:29:31 | 0.021                     |
| 125        | 07/07/2011 | 10:30:31 | 0.021                     |
| 126        | 07/07/2011 | 10:31:31 | 0.020                     |
| 127        | 07/07/2011 | 10:32:31 | 0.020                     |
| 128        | 07/07/2011 | 10:33:31 | 0.021                     |
| 129        | 07/07/2011 | 10:34:31 | 0.020                     |
| 130        | 07/07/2011 | 10:35:31 | 0.020                     |
| 131        | 07/07/2011 | 10:36:31 | 0.021                     |
| 132        | 07/07/2011 | 10:37:31 | 0.021                     |
| 133        | 07/07/2011 | 10:38:31 | 0.021                     |
| 134        | 07/07/2011 | 10:39:31 | 0.020                     |
| 135        | 07/07/2011 | 10:40:31 | 0.021                     |
| 136        | 07/07/2011 | 10:41:31 | 0.021                     |
| 137        | 07/07/2011 | 10:42:31 | 0.021                     |
| 138        | 07/07/2011 | 10:43:31 | 0.021                     |
| 139        | 07/07/2011 | 10:44:31 | 0.021                     |
| 140        | 07/07/2011 | 10:45:31 | 0.020                     |
| 141        | 07/07/2011 | 10:46:31 | 0.021                     |
| 142        | 07/07/2011 | 10:47:31 | 0.021                     |
| 143        | 07/07/2011 | 10:48:31 | 0.021                     |
| 144        | 07/07/2011 | 10:49:31 | 0.021                     |
| 145        | 07/07/2011 | 10:50:31 | 0.020                     |
| 146        | 07/07/2011 | 10:51:31 | 0.021                     |
| 147        | 07/07/2011 | 10:52:31 | 0.020                     |
| 148        | 07/07/2011 | 10:53:31 | 0.020                     |
| 149        | 07/07/2011 | 10:54:31 | 0.020                     |
| 150        | 07/07/2011 | 10:55:31 | 0.020                     |
| 151        | 07/07/2011 | 10:56:31 | 0.020                     |
| 152        | 07/07/2011 | 10:57:31 | 0.020                     |
| 153        | 07/07/2011 | 10:58:31 | 0.022                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 154        | 07/07/2011 | 10:59:31 | 0.020                     |
| 155        | 07/07/2011 | 11:00:31 | 0.020                     |
| 156        | 07/07/2011 | 11:01:31 | 0.020                     |
| 157        | 07/07/2011 | 11:02:31 | 0.020                     |
| 158        | 07/07/2011 | 11:03:31 | 0.021                     |
| 159        | 07/07/2011 | 11:04:31 | 0.023                     |
| 160        | 07/07/2011 | 11:05:31 | 0.020                     |
| 161        | 07/07/2011 | 11:06:31 | 0.021                     |
| 162        | 07/07/2011 | 11:07:31 | 0.022                     |
| 163        | 07/07/2011 | 11:08:31 | 0.022                     |
| 164        | 07/07/2011 | 11:09:31 | 0.023                     |
| 165        | 07/07/2011 | 11:10:31 | 0.022                     |
| 166        | 07/07/2011 | 11:11:31 | 0.020                     |
| 167        | 07/07/2011 | 11:12:31 | 0.020                     |
| 168        | 07/07/2011 | 11:13:31 | 0.020                     |
| 169        | 07/07/2011 | 11:14:31 | 0.021                     |
| 170        | 07/07/2011 | 11:15:31 | 0.019                     |
| 171        | 07/07/2011 | 11:16:31 | 0.019                     |
| 172        | 07/07/2011 | 11:17:31 | 0.019                     |
| 173        | 07/07/2011 | 11:18:31 | 0.022                     |
| 174        | 07/07/2011 | 11:19:31 | 0.020                     |
| 175        | 07/07/2011 | 11:20:31 | 0.021                     |
| 176        | 07/07/2011 | 11:21:31 | 0.020                     |
| 177        | 07/07/2011 | 11:22:31 | 0.021                     |
| 178        | 07/07/2011 | 11:23:31 | 0.021                     |
| 179        | 07/07/2011 | 11:24:31 | 0.020                     |
| 180        | 07/07/2011 | 11:25:31 | 0.020                     |
| 181        | 07/07/2011 | 11:26:31 | 0.020                     |
| 182        | 07/07/2011 | 11:27:31 | 0.020                     |
| 183        | 07/07/2011 | 11:28:31 | 0.020                     |
| 184        | 07/07/2011 | 11:29:31 | 0.020                     |
| 185        | 07/07/2011 | 11:30:31 | 0.023                     |
| 186        | 07/07/2011 | 11:31:31 | 0.029                     |
| 187        | 07/07/2011 | 11:32:31 | 0.033                     |
| 188        | 07/07/2011 | 11:33:31 | 0.028                     |
| 189        | 07/07/2011 | 11:34:31 | 0.021                     |
| 190        | 07/07/2011 | 11:35:31 | 0.021                     |
| 191        | 07/07/2011 | 11:36:31 | 0.023                     |
| 192        | 07/07/2011 | 11:37:31 | 0.020                     |
| 193        | 07/07/2011 | 11:38:31 | 0.022                     |
| 194        | 07/07/2011 | 11:39:31 | 0.021                     |
| 195        | 07/07/2011 | 11:40:31 | 0.022                     |
| 196        | 07/07/2011 | 11:41:31 | 0.021                     |
| 197        | 07/07/2011 | 11:42:31 | 0.021                     |
| 198        | 07/07/2011 | 11:43:31 | 0.020                     |
| 199        | 07/07/2011 | 11:44:31 | 0.021                     |
| 200        | 07/07/2011 | 11:45:31 | 0.020                     |
| 201        | 07/07/2011 | 11:46:31 | 0.020                     |
| 202        | 07/07/2011 | 11:47:31 | 0.021                     |
| 203        | 07/07/2011 | 11:48:31 | 0.021                     |
| 204        | 07/07/2011 | 11:49:31 | 0.021                     |
| 205        | 07/07/2011 | 11:50:31 | 0.021                     |
| 206        | 07/07/2011 | 11:51:31 | 0.020                     |
| 207        | 07/07/2011 | 11:52:31 | 0.020                     |
| 208        | 07/07/2011 | 11:53:31 | 0.021                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 209        | 07/07/2011 | 11:54:31 | 0.022                     |
| 210        | 07/07/2011 | 11:55:31 | 0.020                     |
| 211        | 07/07/2011 | 11:56:31 | 0.021                     |
| 212        | 07/07/2011 | 11:57:31 | 0.022                     |
| 213        | 07/07/2011 | 11:58:31 | 0.021                     |
| 214        | 07/07/2011 | 11:59:31 | 0.021                     |
| 215        | 07/07/2011 | 12:00:31 | 0.024                     |
| 216        | 07/07/2011 | 12:01:31 | 0.022                     |
| 217        | 07/07/2011 | 12:02:31 | 0.022                     |
| 218        | 07/07/2011 | 12:03:31 | 0.021                     |
| 219        | 07/07/2011 | 12:04:31 | 0.021                     |
| 220        | 07/07/2011 | 12:05:31 | 0.021                     |
| 221        | 07/07/2011 | 12:06:31 | 0.020                     |
| 222        | 07/07/2011 | 12:07:31 | 0.020                     |
| 223        | 07/07/2011 | 12:08:31 | 0.022                     |
| 224        | 07/07/2011 | 12:09:31 | 0.021                     |
| 225        | 07/07/2011 | 12:10:31 | 0.021                     |
| 226        | 07/07/2011 | 12:11:31 | 0.020                     |
| 227        | 07/07/2011 | 12:12:31 | 0.021                     |
| 228        | 07/07/2011 | 12:13:31 | 0.025                     |
| 229        | 07/07/2011 | 12:14:31 | 0.020                     |
| 230        | 07/07/2011 | 12:15:31 | 0.021                     |
| 231        | 07/07/2011 | 12:16:31 | 0.020                     |
| 232        | 07/07/2011 | 12:17:31 | 0.021                     |
| 233        | 07/07/2011 | 12:18:31 | 0.022                     |
| 234        | 07/07/2011 | 12:19:31 | 0.021                     |
| 235        | 07/07/2011 | 12:20:31 | 0.020                     |
| 236        | 07/07/2011 | 12:21:31 | 0.020                     |
| 237        | 07/07/2011 | 12:22:31 | 0.021                     |
| 238        | 07/07/2011 | 12:23:31 | 0.020                     |
| 239        | 07/07/2011 | 12:24:31 | 0.023                     |
| 240        | 07/07/2011 | 12:25:31 | 0.026                     |
| 241        | 07/07/2011 | 12:26:31 | 0.022                     |
| 242        | 07/07/2011 | 12:27:31 | 0.020                     |
| 243        | 07/07/2011 | 12:28:31 | 0.020                     |
| 244        | 07/07/2011 | 12:29:31 | 0.021                     |
| 245        | 07/07/2011 | 12:30:31 | 0.020                     |
| 246        | 07/07/2011 | 12:31:31 | 0.020                     |
| 247        | 07/07/2011 | 12:32:31 | 0.020                     |
| 248        | 07/07/2011 | 12:33:31 | 0.021                     |
| 249        | 07/07/2011 | 12:34:31 | 0.021                     |
| 250        | 07/07/2011 | 12:35:31 | 0.023                     |
| 251        | 07/07/2011 | 12:36:31 | 0.021                     |
| 252        | 07/07/2011 | 12:37:31 | 0.021                     |
| 253        | 07/07/2011 | 12:38:31 | 0.021                     |
| 254        | 07/07/2011 | 12:39:31 | 0.022                     |
| 255        | 07/07/2011 | 12:40:31 | 0.021                     |
| 256        | 07/07/2011 | 12:41:31 | 0.022                     |
| 257        | 07/07/2011 | 12:42:31 | 0.021                     |
| 258        | 07/07/2011 | 12:43:31 | 0.020                     |
| 259        | 07/07/2011 | 12:44:31 | 0.020                     |
| 260        | 07/07/2011 | 12:45:31 | 0.024                     |
| 261        | 07/07/2011 | 12:46:31 | 0.021                     |
| 262        | 07/07/2011 | 12:47:31 | 0.021                     |
| 263        | 07/07/2011 | 12:48:31 | 0.021                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 264        | 07/07/2011 | 12:49:31 | 0.020                     |
| 265        | 07/07/2011 | 12:50:31 | 0.021                     |
| 266        | 07/07/2011 | 12:51:31 | 0.019                     |
| 267        | 07/07/2011 | 12:52:31 | 0.022                     |
| 268        | 07/07/2011 | 12:53:31 | 0.022                     |
| 269        | 07/07/2011 | 12:54:31 | 0.022                     |
| 270        | 07/07/2011 | 12:55:31 | 0.021                     |
| 271        | 07/07/2011 | 12:56:31 | 0.022                     |
| 272        | 07/07/2011 | 12:57:31 | 0.024                     |
| 273        | 07/07/2011 | 12:58:31 | 0.021                     |
| 274        | 07/07/2011 | 12:59:31 | 0.020                     |
| 275        | 07/07/2011 | 13:00:31 | 0.021                     |
| 276        | 07/07/2011 | 13:01:31 | 0.021                     |
| 277        | 07/07/2011 | 13:02:31 | 0.020                     |
| 278        | 07/07/2011 | 13:03:31 | 0.021                     |
| 279        | 07/07/2011 | 13:04:31 | 0.022                     |
| 280        | 07/07/2011 | 13:05:31 | 0.023                     |
| 281        | 07/07/2011 | 13:06:31 | 0.021                     |
| 282        | 07/07/2011 | 13:07:31 | 0.020                     |
| 283        | 07/07/2011 | 13:08:31 | 0.020                     |
| 284        | 07/07/2011 | 13:09:31 | 0.020                     |
| 285        | 07/07/2011 | 13:10:31 | 0.021                     |
| 286        | 07/07/2011 | 13:11:31 | 0.023                     |
| 287        | 07/07/2011 | 13:12:31 | 0.020                     |
| 288        | 07/07/2011 | 13:13:31 | 0.020                     |
| 289        | 07/07/2011 | 13:14:31 | 0.021                     |
| 290        | 07/07/2011 | 13:15:31 | 0.019                     |
| 291        | 07/07/2011 | 13:16:31 | 0.018                     |
| 292        | 07/07/2011 | 13:17:31 | 0.020                     |
| 293        | 07/07/2011 | 13:18:31 | 0.018                     |
| 294        | 07/07/2011 | 13:19:31 | 0.018                     |
| 295        | 07/07/2011 | 13:20:31 | 0.020                     |
| 296        | 07/07/2011 | 13:21:31 | 0.019                     |
| 297        | 07/07/2011 | 13:22:31 | 0.019                     |
| 298        | 07/07/2011 | 13:23:31 | 0.020                     |
| 299        | 07/07/2011 | 13:24:31 | 0.018                     |
| 300        | 07/07/2011 | 13:25:31 | 0.019                     |
| 301        | 07/07/2011 | 13:26:31 | 0.020                     |
| 302        | 07/07/2011 | 13:27:31 | 0.019                     |
| 303        | 07/07/2011 | 13:28:31 | 0.021                     |
| 304        | 07/07/2011 | 13:29:31 | 0.019                     |
| 305        | 07/07/2011 | 13:30:31 | 0.018                     |
| 306        | 07/07/2011 | 13:31:31 | 0.020                     |
| 307        | 07/07/2011 | 13:32:31 | 0.017                     |
| 308        | 07/07/2011 | 13:33:31 | 0.017                     |
| 309        | 07/07/2011 | 13:34:31 | 0.017                     |
| 310        | 07/07/2011 | 13:35:31 | 0.017                     |
| 311        | 07/07/2011 | 13:36:31 | 0.017                     |
| 312        | 07/07/2011 | 13:37:31 | 0.017                     |
| 313        | 07/07/2011 | 13:38:31 | 0.017                     |
| 314        | 07/07/2011 | 13:39:31 | 0.018                     |
| 315        | 07/07/2011 | 13:40:31 | 0.018                     |
| 316        | 07/07/2011 | 13:41:31 | 0.018                     |
| 317        | 07/07/2011 | 13:42:31 | 0.018                     |
| 318        | 07/07/2011 | 13:43:31 | 0.017                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 319        | 07/07/2011 | 13:44:31 | 0.017                     |
| 320        | 07/07/2011 | 13:45:31 | 0.017                     |
| 321        | 07/07/2011 | 13:46:31 | 0.017                     |
| 322        | 07/07/2011 | 13:47:31 | 0.017                     |
| 323        | 07/07/2011 | 13:48:31 | 0.018                     |
| 324        | 07/07/2011 | 13:49:31 | 0.019                     |
| 325        | 07/07/2011 | 13:50:31 | 0.019                     |
| 326        | 07/07/2011 | 13:51:31 | 0.017                     |
| 327        | 07/07/2011 | 13:52:31 | 0.017                     |
| 328        | 07/07/2011 | 13:53:31 | 0.017                     |
| 329        | 07/07/2011 | 13:54:31 | 0.018                     |
| 330        | 07/07/2011 | 13:55:31 | 0.017                     |
| 331        | 07/07/2011 | 13:56:31 | 0.016                     |
| 332        | 07/07/2011 | 13:57:31 | 0.019                     |
| 333        | 07/07/2011 | 13:58:31 | 0.019                     |
| 334        | 07/07/2011 | 13:59:31 | 0.016                     |
| 335        | 07/07/2011 | 14:00:31 | 0.017                     |
| 336        | 07/07/2011 | 14:01:31 | 0.017                     |
| 337        | 07/07/2011 | 14:02:31 | 0.017                     |
| 338        | 07/07/2011 | 14:03:31 | 0.021                     |
| 339        | 07/07/2011 | 14:04:31 | 0.017                     |
| 340        | 07/07/2011 | 14:05:31 | 0.020                     |
| 341        | 07/07/2011 | 14:06:31 | 0.017                     |
| 342        | 07/07/2011 | 14:07:31 | 0.016                     |
| 343        | 07/07/2011 | 14:08:31 | 0.016                     |
| 344        | 07/07/2011 | 14:09:31 | 0.016                     |
| 345        | 07/07/2011 | 14:10:31 | 0.017                     |
| 346        | 07/07/2011 | 14:11:31 | 0.018                     |
| 347        | 07/07/2011 | 14:12:31 | 0.020                     |
| 348        | 07/07/2011 | 14:13:31 | 0.018                     |
| 349        | 07/07/2011 | 14:14:31 | 0.018                     |
| 350        | 07/07/2011 | 14:15:31 | 0.017                     |
| 351        | 07/07/2011 | 14:16:31 | 0.018                     |
| 352        | 07/07/2011 | 14:17:31 | 0.021                     |
| 353        | 07/07/2011 | 14:18:31 | 0.022                     |
| 354        | 07/07/2011 | 14:19:31 | 0.019                     |
| 355        | 07/07/2011 | 14:20:31 | 0.018                     |
| 356        | 07/07/2011 | 14:21:31 | 0.018                     |
| 357        | 07/07/2011 | 14:22:31 | 0.018                     |
| 358        | 07/07/2011 | 14:23:31 | 0.016                     |
| 359        | 07/07/2011 | 14:24:31 | 0.017                     |
| 360        | 07/07/2011 | 14:25:31 | 0.017                     |
| 361        | 07/07/2011 | 14:26:31 | 0.016                     |
| 362        | 07/07/2011 | 14:27:31 | 0.017                     |
| 363        | 07/07/2011 | 14:28:31 | 0.016                     |
| 364        | 07/07/2011 | 14:29:31 | 0.057                     |
| 365        | 07/07/2011 | 14:30:31 | 0.018                     |
| 366        | 07/07/2011 | 14:31:31 | 0.018                     |
| 367        | 07/07/2011 | 14:32:31 | 0.016                     |
| 368        | 07/07/2011 | 14:33:31 | 0.017                     |
| 369        | 07/07/2011 | 14:34:31 | 0.019                     |
| 370        | 07/07/2011 | 14:35:31 | 0.018                     |
| 371        | 07/07/2011 | 14:36:31 | 0.018                     |
| 372        | 07/07/2011 | 14:37:31 | 0.019                     |
| 373        | 07/07/2011 | 14:38:31 | 0.016                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 374        | 07/07/2011 | 14:39:31 | 0.016                     |
| 375        | 07/07/2011 | 14:40:31 | 0.017                     |
| 376        | 07/07/2011 | 14:41:31 | 0.016                     |
| 377        | 07/07/2011 | 14:42:31 | 0.018                     |
| 378        | 07/07/2011 | 14:43:31 | 0.016                     |
| 379        | 07/07/2011 | 14:44:31 | 0.018                     |
| 380        | 07/07/2011 | 14:45:31 | 0.016                     |
| 381        | 07/07/2011 | 14:46:31 | 0.016                     |
| 382        | 07/07/2011 | 14:47:31 | 0.016                     |
| 383        | 07/07/2011 | 14:48:31 | 0.016                     |
| 384        | 07/07/2011 | 14:49:31 | 0.016                     |
| 385        | 07/07/2011 | 14:50:31 | 0.017                     |
| 386        | 07/07/2011 | 14:51:31 | 0.017                     |
| 387        | 07/07/2011 | 14:52:31 | 0.017                     |
| 388        | 07/07/2011 | 14:53:31 | 0.015                     |
| 389        | 07/07/2011 | 14:54:31 | 0.017                     |
| 390        | 07/07/2011 | 14:55:31 | 0.017                     |
| 391        | 07/07/2011 | 14:56:31 | 0.015                     |
| 392        | 07/07/2011 | 14:57:31 | 0.016                     |
| 393        | 07/07/2011 | 14:58:31 | 0.017                     |
| 394        | 07/07/2011 | 14:59:31 | 0.015                     |
| 395        | 07/07/2011 | 15:00:31 | 0.028                     |
| 396        | 07/07/2011 | 15:01:31 | 0.017                     |
| 397        | 07/07/2011 | 15:02:31 | 0.016                     |
| 398        | 07/07/2011 | 15:03:31 | 0.018                     |
| 399        | 07/07/2011 | 15:04:31 | 0.018                     |
| 400        | 07/07/2011 | 15:05:31 | 0.019                     |
| 401        | 07/07/2011 | 15:06:31 | 0.027                     |
| 402        | 07/07/2011 | 15:07:31 | 0.023                     |
| 403        | 07/07/2011 | 15:08:31 | 0.017                     |
| 404        | 07/07/2011 | 15:09:31 | 0.020                     |
| 405        | 07/07/2011 | 15:10:31 | 0.018                     |
| 406        | 07/07/2011 | 15:11:31 | 0.016                     |
| 407        | 07/07/2011 | 15:12:31 | 0.016                     |
| 408        | 07/07/2011 | 15:13:31 | 0.016                     |
| 409        | 07/07/2011 | 15:14:31 | 0.015                     |
| 410        | 07/07/2011 | 15:15:31 | 0.016                     |
| 411        | 07/07/2011 | 15:16:31 | 0.015                     |
| 412        | 07/07/2011 | 15:17:31 | 0.020                     |
| 413        | 07/07/2011 | 15:18:31 | 0.019                     |
| 414        | 07/07/2011 | 15:19:31 | 0.019                     |
| 415        | 07/07/2011 | 15:20:31 | 0.017                     |
| 416        | 07/07/2011 | 15:21:31 | 0.016                     |
| 417        | 07/07/2011 | 15:22:31 | 0.016                     |
| 418        | 07/07/2011 | 15:23:31 | 0.016                     |
| 419        | 07/07/2011 | 15:24:31 | 0.017                     |
| 420        | 07/07/2011 | 15:25:31 | 0.017                     |
| 421        | 07/07/2011 | 15:26:31 | 0.016                     |
| 422        | 07/07/2011 | 15:27:31 | 0.021                     |
| 423        | 07/07/2011 | 15:28:31 | 0.028                     |
| 424        | 07/07/2011 | 15:29:31 | 0.016                     |
| 425        | 07/07/2011 | 15:30:31 | 0.017                     |
| 426        | 07/07/2011 | 15:31:31 | 0.017                     |
| 427        | 07/07/2011 | 15:32:31 | 0.016                     |
| 428        | 07/07/2011 | 15:33:31 | 0.043                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 429        | 07/07/2011 | 15:34:31 | 0.017                     |
| 430        | 07/07/2011 | 15:35:31 | 0.017                     |
| 431        | 07/07/2011 | 15:36:31 | 0.017                     |
| 432        | 07/07/2011 | 15:37:31 | 0.016                     |
| 433        | 07/07/2011 | 15:38:31 | 0.016                     |
| 434        | 07/07/2011 | 15:39:31 | 0.017                     |
| 435        | 07/07/2011 | 15:40:31 | 0.017                     |
| 436        | 07/07/2011 | 15:41:31 | 0.016                     |
| 437        | 07/07/2011 | 15:42:31 | 0.016                     |
| 438        | 07/07/2011 | 15:43:31 | 0.019                     |
| 439        | 07/07/2011 | 15:44:31 | 0.016                     |
| 440        | 07/07/2011 | 15:45:31 | 0.016                     |
| 441        | 07/07/2011 | 15:46:31 | 0.016                     |
| 442        | 07/07/2011 | 15:47:31 | 0.015                     |
| 443        | 07/07/2011 | 15:48:31 | 0.017                     |
| 444        | 07/07/2011 | 15:49:31 | 0.016                     |
| 445        | 07/07/2011 | 15:50:31 | 0.020                     |
| 446        | 07/07/2011 | 15:51:31 | 0.023                     |
| 447        | 07/07/2011 | 15:52:31 | 0.020                     |
| 448        | 07/07/2011 | 15:53:31 | 0.019                     |
| 449        | 07/07/2011 | 15:54:31 | 0.018                     |
| 450        | 07/07/2011 | 15:55:31 | 0.018                     |
| 451        | 07/07/2011 | 15:56:31 | 0.017                     |
| 452        | 07/07/2011 | 15:57:31 | 0.017                     |
| 453        | 07/07/2011 | 15:58:31 | 0.017                     |
| 454        | 07/07/2011 | 15:59:31 | 0.016                     |
| 455        | 07/07/2011 | 16:00:31 | 0.016                     |
| 456        | 07/07/2011 | 16:01:31 | 0.016                     |
| 457        | 07/07/2011 | 16:02:31 | 0.018                     |
| 458        | 07/07/2011 | 16:03:31 | 0.017                     |
| 459        | 07/07/2011 | 16:04:31 | 0.016                     |
| 460        | 07/07/2011 | 16:05:31 | 0.017                     |
| 461        | 07/07/2011 | 16:06:31 | 0.016                     |
| 462        | 07/07/2011 | 16:07:31 | 0.016                     |
| 463        | 07/07/2011 | 16:08:31 | 0.016                     |
| 464        | 07/07/2011 | 16:09:31 | 0.016                     |
| 465        | 07/07/2011 | 16:10:31 | 0.017                     |

# Test 003

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 07/07/2011  |
| Meter S/N  | 85201065  | Start Time       | 08:27:22    |
|            |           | Stop Date        | 07/07/2011  |
|            |           | Stop Time        | 16:12:22    |
|            |           | Total Time       | 0:07:45:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 07/07/2011 | 08:32:22 | 0.020                     |
| 2          | 07/07/2011 | 08:37:22 | 0.020                     |
| 3          | 07/07/2011 | 08:42:22 | 0.019                     |
| 4          | 07/07/2011 | 08:47:22 | 0.019                     |
| 5          | 07/07/2011 | 08:52:22 | 0.019                     |
| 6          | 07/07/2011 | 08:57:22 | 0.019                     |
| 7          | 07/07/2011 | 09:02:22 | 0.018                     |
| 8          | 07/07/2011 | 09:07:22 | 0.018                     |
| 9          | 07/07/2011 | 09:12:22 | 0.019                     |
| 10         | 07/07/2011 | 09:17:22 | 0.021                     |
| 11         | 07/07/2011 | 09:22:22 | 0.020                     |
| 12         | 07/07/2011 | 09:27:22 | 0.020                     |
| 13         | 07/07/2011 | 09:32:22 | 0.023                     |
| 14         | 07/07/2011 | 09:37:22 | 0.021                     |
| 15         | 07/07/2011 | 09:42:22 | 0.021                     |
| 16         | 07/07/2011 | 09:47:22 | 0.021                     |
| 17         | 07/07/2011 | 09:52:22 | 0.021                     |
| 18         | 07/07/2011 | 09:57:22 | 0.021                     |
| 19         | 07/07/2011 | 10:02:22 | 0.023                     |
| 20         | 07/07/2011 | 10:07:22 | 0.021                     |
| 21         | 07/07/2011 | 10:12:22 | 0.020                     |
| 22         | 07/07/2011 | 10:17:22 | 0.021                     |
| 23         | 07/07/2011 | 10:22:22 | 0.020                     |
| 24         | 07/07/2011 | 10:27:22 | 0.021                     |
| 25         | 07/07/2011 | 10:32:22 | 0.019                     |
| 26         | 07/07/2011 | 10:37:22 | 0.019                     |
| 27         | 07/07/2011 | 10:42:22 | 0.019                     |
| 28         | 07/07/2011 | 10:47:22 | 0.020                     |
| 29         | 07/07/2011 | 10:52:22 | 0.019                     |
| 30         | 07/07/2011 | 10:57:22 | 0.019                     |
| 31         | 07/07/2011 | 11:02:22 | 0.019                     |
| 32         | 07/07/2011 | 11:07:22 | 0.019                     |
| 33         | 07/07/2011 | 11:12:22 | 0.019                     |
| 34         | 07/07/2011 | 11:17:22 | 0.019                     |
| 35         | 07/07/2011 | 11:22:22 | 0.020                     |
| 36         | 07/07/2011 | 11:27:22 | 0.020                     |
| 37         | 07/07/2011 | 11:32:22 | 0.022                     |
| 38         | 07/07/2011 | 11:37:22 | 0.019                     |
| 39         | 07/07/2011 | 11:42:22 | 0.019                     |
| 40         | 07/07/2011 | 11:47:22 | 0.019                     |
| 41         | 07/07/2011 | 11:52:22 | 0.019                     |
| 42         | 07/07/2011 | 11:57:22 | 0.020                     |
| 43         | 07/07/2011 | 12:02:22 | 0.019                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 07/07/2011 | 12:07:22 | 0.021                     |
| 45         | 07/07/2011 | 12:12:22 | 0.019                     |
| 46         | 07/07/2011 | 12:17:22 | 0.019                     |
| 47         | 07/07/2011 | 12:22:22 | 0.019                     |
| 48         | 07/07/2011 | 12:27:22 | 0.018                     |
| 49         | 07/07/2011 | 12:32:22 | 0.019                     |
| 50         | 07/07/2011 | 12:37:22 | 0.019                     |
| 51         | 07/07/2011 | 12:42:22 | 0.019                     |
| 52         | 07/07/2011 | 12:47:22 | 0.021                     |
| 53         | 07/07/2011 | 12:52:22 | 0.019                     |
| 54         | 07/07/2011 | 12:57:22 | 0.019                     |
| 55         | 07/07/2011 | 13:02:22 | 0.018                     |
| 56         | 07/07/2011 | 13:07:22 | 0.019                     |
| 57         | 07/07/2011 | 13:12:22 | 0.018                     |
| 58         | 07/07/2011 | 13:17:22 | 0.017                     |
| 59         | 07/07/2011 | 13:22:22 | 0.017                     |
| 60         | 07/07/2011 | 13:27:22 | 0.018                     |
| 61         | 07/07/2011 | 13:32:22 | 0.016                     |
| 62         | 07/07/2011 | 13:37:22 | 0.016                     |
| 63         | 07/07/2011 | 13:42:22 | 0.015                     |
| 64         | 07/07/2011 | 13:47:22 | 0.015                     |
| 65         | 07/07/2011 | 13:52:22 | 0.015                     |
| 66         | 07/07/2011 | 13:57:22 | 0.015                     |
| 67         | 07/07/2011 | 14:02:22 | 0.015                     |
| 68         | 07/07/2011 | 14:07:22 | 0.015                     |
| 69         | 07/07/2011 | 14:12:22 | 0.015                     |
| 70         | 07/07/2011 | 14:17:22 | 0.015                     |
| 71         | 07/07/2011 | 14:22:22 | 0.017                     |
| 72         | 07/07/2011 | 14:27:22 | 0.015                     |
| 73         | 07/07/2011 | 14:32:22 | 0.015                     |
| 74         | 07/07/2011 | 14:37:22 | 0.015                     |
| 75         | 07/07/2011 | 14:42:22 | 0.014                     |
| 76         | 07/07/2011 | 14:47:22 | 0.014                     |
| 77         | 07/07/2011 | 14:52:22 | 0.014                     |
| 78         | 07/07/2011 | 14:57:22 | 0.014                     |
| 79         | 07/07/2011 | 15:02:22 | 0.014                     |
| 80         | 07/07/2011 | 15:07:22 | 0.014                     |
| 81         | 07/07/2011 | 15:12:22 | 0.015                     |
| 82         | 07/07/2011 | 15:17:22 | 0.014                     |
| 83         | 07/07/2011 | 15:22:22 | 0.014                     |
| 84         | 07/07/2011 | 15:27:22 | 0.014                     |
| 85         | 07/07/2011 | 15:32:22 | 0.014                     |
| 86         | 07/07/2011 | 15:37:22 | 0.027                     |
| 87         | 07/07/2011 | 15:42:22 | 0.014                     |
| 88         | 07/07/2011 | 15:47:22 | 0.014                     |
| 89         | 07/07/2011 | 15:52:22 | 0.021                     |
| 90         | 07/07/2011 | 15:57:22 | 0.014                     |
| 91         | 07/07/2011 | 16:02:22 | 0.014                     |
| 92         | 07/07/2011 | 16:07:22 | 0.015                     |
| 93         | 07/07/2011 | 16:12:22 | 0.014                     |

# Test 004

| Instrument |           | Data Properties  |            |
|------------|-----------|------------------|------------|
| Model      | Dust Trak | Start Date       | 07/08/2011 |
| Meter S/N  | 85201091  | Start Time       | 08:03:31   |
|            |           | Stop Date        | 07/08/2011 |
|            |           | Stop Time        | 15:07:31   |
|            |           | Total Time       | 0:07:04:00 |
|            |           | Logging Interval | 60 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 07/08/2011 | 08:04:31 | 0.031                     |
| 2          | 07/08/2011 | 08:05:31 | 0.027                     |
| 3          | 07/08/2011 | 08:06:31 | 0.028                     |
| 4          | 07/08/2011 | 08:07:31 | 0.029                     |
| 5          | 07/08/2011 | 08:08:31 | 0.029                     |
| 6          | 07/08/2011 | 08:09:31 | 0.028                     |
| 7          | 07/08/2011 | 08:10:31 | 0.029                     |
| 8          | 07/08/2011 | 08:11:31 | 0.035                     |
| 9          | 07/08/2011 | 08:12:31 | 0.034                     |
| 10         | 07/08/2011 | 08:13:31 | 0.029                     |
| 11         | 07/08/2011 | 08:14:31 | 0.027                     |
| 12         | 07/08/2011 | 08:15:31 | 0.028                     |
| 13         | 07/08/2011 | 08:16:31 | 0.028                     |
| 14         | 07/08/2011 | 08:17:31 | 0.027                     |
| 15         | 07/08/2011 | 08:18:31 | 0.027                     |
| 16         | 07/08/2011 | 08:19:31 | 0.028                     |
| 17         | 07/08/2011 | 08:20:31 | 0.027                     |
| 18         | 07/08/2011 | 08:21:31 | 0.027                     |
| 19         | 07/08/2011 | 08:22:31 | 0.028                     |
| 20         | 07/08/2011 | 08:23:31 | 0.030                     |
| 21         | 07/08/2011 | 08:24:31 | 0.027                     |
| 22         | 07/08/2011 | 08:25:31 | 0.026                     |
| 23         | 07/08/2011 | 08:26:31 | 0.025                     |
| 24         | 07/08/2011 | 08:27:31 | 0.027                     |
| 25         | 07/08/2011 | 08:28:31 | 0.029                     |
| 26         | 07/08/2011 | 08:29:31 | 0.026                     |
| 27         | 07/08/2011 | 08:30:31 | 0.026                     |
| 28         | 07/08/2011 | 08:31:31 | 0.026                     |
| 29         | 07/08/2011 | 08:32:31 | 0.025                     |
| 30         | 07/08/2011 | 08:33:31 | 0.025                     |
| 31         | 07/08/2011 | 08:34:31 | 0.024                     |
| 32         | 07/08/2011 | 08:35:31 | 0.024                     |
| 33         | 07/08/2011 | 08:36:31 | 0.024                     |
| 34         | 07/08/2011 | 08:37:31 | 0.025                     |
| 35         | 07/08/2011 | 08:38:31 | 0.024                     |
| 36         | 07/08/2011 | 08:39:31 | 0.024                     |
| 37         | 07/08/2011 | 08:40:31 | 0.023                     |
| 38         | 07/08/2011 | 08:41:31 | 0.024                     |
| 39         | 07/08/2011 | 08:42:31 | 0.023                     |
| 40         | 07/08/2011 | 08:43:31 | 0.024                     |
| 41         | 07/08/2011 | 08:44:31 | 0.024                     |
| 42         | 07/08/2011 | 08:45:31 | 0.024                     |
| 43         | 07/08/2011 | 08:46:31 | 0.023                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 07/08/2011 | 08:47:31 | 0.023                     |
| 45         | 07/08/2011 | 08:48:31 | 0.024                     |
| 46         | 07/08/2011 | 08:49:31 | 0.024                     |
| 47         | 07/08/2011 | 08:50:31 | 0.024                     |
| 48         | 07/08/2011 | 08:51:31 | 0.023                     |
| 49         | 07/08/2011 | 08:52:31 | 0.025                     |
| 50         | 07/08/2011 | 08:53:31 | 0.024                     |
| 51         | 07/08/2011 | 08:54:31 | 0.023                     |
| 52         | 07/08/2011 | 08:55:31 | 0.024                     |
| 53         | 07/08/2011 | 08:56:31 | 0.024                     |
| 54         | 07/08/2011 | 08:57:31 | 0.025                     |
| 55         | 07/08/2011 | 08:58:31 | 0.026                     |
| 56         | 07/08/2011 | 08:59:31 | 0.025                     |
| 57         | 07/08/2011 | 09:00:31 | 0.024                     |
| 58         | 07/08/2011 | 09:01:31 | 0.025                     |
| 59         | 07/08/2011 | 09:02:31 | 0.024                     |
| 60         | 07/08/2011 | 09:03:31 | 0.024                     |
| 61         | 07/08/2011 | 09:04:31 | 0.025                     |
| 62         | 07/08/2011 | 09:05:31 | 0.025                     |
| 63         | 07/08/2011 | 09:06:31 | 0.027                     |
| 64         | 07/08/2011 | 09:07:31 | 0.027                     |
| 65         | 07/08/2011 | 09:08:31 | 0.025                     |
| 66         | 07/08/2011 | 09:09:31 | 0.026                     |
| 67         | 07/08/2011 | 09:10:31 | 0.025                     |
| 68         | 07/08/2011 | 09:11:31 | 0.026                     |
| 69         | 07/08/2011 | 09:12:31 | 0.026                     |
| 70         | 07/08/2011 | 09:13:31 | 0.025                     |
| 71         | 07/08/2011 | 09:14:31 | 0.031                     |
| 72         | 07/08/2011 | 09:15:31 | 0.025                     |
| 73         | 07/08/2011 | 09:16:31 | 0.026                     |
| 74         | 07/08/2011 | 09:17:31 | 0.026                     |
| 75         | 07/08/2011 | 09:18:31 | 0.026                     |
| 76         | 07/08/2011 | 09:19:31 | 0.028                     |
| 77         | 07/08/2011 | 09:20:31 | 0.031                     |
| 78         | 07/08/2011 | 09:21:31 | 0.028                     |
| 79         | 07/08/2011 | 09:22:31 | 0.033                     |
| 80         | 07/08/2011 | 09:23:31 | 0.026                     |
| 81         | 07/08/2011 | 09:24:31 | 0.028                     |
| 82         | 07/08/2011 | 09:25:31 | 0.027                     |
| 83         | 07/08/2011 | 09:26:31 | 0.028                     |
| 84         | 07/08/2011 | 09:27:31 | 0.029                     |
| 85         | 07/08/2011 | 09:28:31 | 0.027                     |
| 86         | 07/08/2011 | 09:29:31 | 0.027                     |
| 87         | 07/08/2011 | 09:30:31 | 0.028                     |
| 88         | 07/08/2011 | 09:31:31 | 0.028                     |
| 89         | 07/08/2011 | 09:32:31 | 0.033                     |
| 90         | 07/08/2011 | 09:33:31 | 0.031                     |
| 91         | 07/08/2011 | 09:34:31 | 0.029                     |
| 92         | 07/08/2011 | 09:35:31 | 0.032                     |
| 93         | 07/08/2011 | 09:36:31 | 0.031                     |
| 94         | 07/08/2011 | 09:37:31 | 0.031                     |
| 95         | 07/08/2011 | 09:38:31 | 0.029                     |
| 96         | 07/08/2011 | 09:39:31 | 0.030                     |
| 97         | 07/08/2011 | 09:40:31 | 0.032                     |
| 98         | 07/08/2011 | 09:41:31 | 0.029                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 99         | 07/08/2011 | 09:42:31 | 0.028                     |
| 100        | 07/08/2011 | 09:43:31 | 0.029                     |
| 101        | 07/08/2011 | 09:44:31 | 0.030                     |
| 102        | 07/08/2011 | 09:45:31 | 0.028                     |
| 103        | 07/08/2011 | 09:46:31 | 0.029                     |
| 104        | 07/08/2011 | 09:47:31 | 0.029                     |
| 105        | 07/08/2011 | 09:48:31 | 0.030                     |
| 106        | 07/08/2011 | 09:49:31 | 0.031                     |
| 107        | 07/08/2011 | 09:50:31 | 0.031                     |
| 108        | 07/08/2011 | 09:51:31 | 0.029                     |
| 109        | 07/08/2011 | 09:52:31 | 0.029                     |
| 110        | 07/08/2011 | 09:53:31 | 0.030                     |
| 111        | 07/08/2011 | 09:54:31 | 0.029                     |
| 112        | 07/08/2011 | 09:55:31 | 0.030                     |
| 113        | 07/08/2011 | 09:56:31 | 0.029                     |
| 114        | 07/08/2011 | 09:57:31 | 0.030                     |
| 115        | 07/08/2011 | 09:58:31 | 0.031                     |
| 116        | 07/08/2011 | 09:59:31 | 0.031                     |
| 117        | 07/08/2011 | 10:00:31 | 0.032                     |
| 118        | 07/08/2011 | 10:01:31 | 0.035                     |
| 119        | 07/08/2011 | 10:02:31 | 0.034                     |
| 120        | 07/08/2011 | 10:03:31 | 0.031                     |
| 121        | 07/08/2011 | 10:04:31 | 0.035                     |
| 122        | 07/08/2011 | 10:05:31 | 0.033                     |
| 123        | 07/08/2011 | 10:06:31 | 0.032                     |
| 124        | 07/08/2011 | 10:07:31 | 0.032                     |
| 125        | 07/08/2011 | 10:08:31 | 0.033                     |
| 126        | 07/08/2011 | 10:09:31 | 0.034                     |
| 127        | 07/08/2011 | 10:10:31 | 0.032                     |
| 128        | 07/08/2011 | 10:11:31 | 0.033                     |
| 129        | 07/08/2011 | 10:12:31 | 0.034                     |
| 130        | 07/08/2011 | 10:13:31 | 0.033                     |
| 131        | 07/08/2011 | 10:14:31 | 0.033                     |
| 132        | 07/08/2011 | 10:15:31 | 0.033                     |
| 133        | 07/08/2011 | 10:16:31 | 0.033                     |
| 134        | 07/08/2011 | 10:17:31 | 0.035                     |
| 135        | 07/08/2011 | 10:18:31 | 0.033                     |
| 136        | 07/08/2011 | 10:19:31 | 0.034                     |
| 137        | 07/08/2011 | 10:20:31 | 0.034                     |
| 138        | 07/08/2011 | 10:21:31 | 0.036                     |
| 139        | 07/08/2011 | 10:22:31 | 0.033                     |
| 140        | 07/08/2011 | 10:23:31 | 0.034                     |
| 141        | 07/08/2011 | 10:24:31 | 0.036                     |
| 142        | 07/08/2011 | 10:25:31 | 0.035                     |
| 143        | 07/08/2011 | 10:26:31 | 0.035                     |
| 144        | 07/08/2011 | 10:27:31 | 0.034                     |
| 145        | 07/08/2011 | 10:28:31 | 0.034                     |
| 146        | 07/08/2011 | 10:29:31 | 0.035                     |
| 147        | 07/08/2011 | 10:30:31 | 0.034                     |
| 148        | 07/08/2011 | 10:31:31 | 0.036                     |
| 149        | 07/08/2011 | 10:32:31 | 0.035                     |
| 150        | 07/08/2011 | 10:33:31 | 0.036                     |
| 151        | 07/08/2011 | 10:34:31 | 0.036                     |
| 152        | 07/08/2011 | 10:35:31 | 0.036                     |
| 153        | 07/08/2011 | 10:36:31 | 0.037                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 154        | 07/08/2011 | 10:37:31 | 0.037                     |
| 155        | 07/08/2011 | 10:38:31 | 0.035                     |
| 156        | 07/08/2011 | 10:39:31 | 0.037                     |
| 157        | 07/08/2011 | 10:40:31 | 0.037                     |
| 158        | 07/08/2011 | 10:41:31 | 0.037                     |
| 159        | 07/08/2011 | 10:42:31 | 0.038                     |
| 160        | 07/08/2011 | 10:43:31 | 0.038                     |
| 161        | 07/08/2011 | 10:44:31 | 0.038                     |
| 162        | 07/08/2011 | 10:45:31 | 0.037                     |
| 163        | 07/08/2011 | 10:46:31 | 0.038                     |
| 164        | 07/08/2011 | 10:47:31 | 0.038                     |
| 165        | 07/08/2011 | 10:48:31 | 0.039                     |
| 166        | 07/08/2011 | 10:49:31 | 0.040                     |
| 167        | 07/08/2011 | 10:50:31 | 0.039                     |
| 168        | 07/08/2011 | 10:51:31 | 0.038                     |
| 169        | 07/08/2011 | 10:52:31 | 0.040                     |
| 170        | 07/08/2011 | 10:53:31 | 0.039                     |
| 171        | 07/08/2011 | 10:54:31 | 0.039                     |
| 172        | 07/08/2011 | 10:55:31 | 0.038                     |
| 173        | 07/08/2011 | 10:56:31 | 0.040                     |
| 174        | 07/08/2011 | 10:57:31 | 0.039                     |
| 175        | 07/08/2011 | 10:58:31 | 0.039                     |
| 176        | 07/08/2011 | 10:59:31 | 0.038                     |
| 177        | 07/08/2011 | 11:00:31 | 0.038                     |
| 178        | 07/08/2011 | 11:01:31 | 0.039                     |
| 179        | 07/08/2011 | 11:02:31 | 0.040                     |
| 180        | 07/08/2011 | 11:03:31 | 0.038                     |
| 181        | 07/08/2011 | 11:04:31 | 0.039                     |
| 182        | 07/08/2011 | 11:05:31 | 0.040                     |
| 183        | 07/08/2011 | 11:06:31 | 0.039                     |
| 184        | 07/08/2011 | 11:07:31 | 0.039                     |
| 185        | 07/08/2011 | 11:08:31 | 0.038                     |
| 186        | 07/08/2011 | 11:09:31 | 0.040                     |
| 187        | 07/08/2011 | 11:10:31 | 0.038                     |
| 188        | 07/08/2011 | 11:11:31 | 0.039                     |
| 189        | 07/08/2011 | 11:12:31 | 0.039                     |
| 190        | 07/08/2011 | 11:13:31 | 0.040                     |
| 191        | 07/08/2011 | 11:14:31 | 0.039                     |
| 192        | 07/08/2011 | 11:15:31 | 0.042                     |
| 193        | 07/08/2011 | 11:16:31 | 0.040                     |
| 194        | 07/08/2011 | 11:17:31 | 0.041                     |
| 195        | 07/08/2011 | 11:18:31 | 0.039                     |
| 196        | 07/08/2011 | 11:19:31 | 0.040                     |
| 197        | 07/08/2011 | 11:20:31 | 0.039                     |
| 198        | 07/08/2011 | 11:21:31 | 0.040                     |
| 199        | 07/08/2011 | 11:22:31 | 0.040                     |
| 200        | 07/08/2011 | 11:23:31 | 0.041                     |
| 201        | 07/08/2011 | 11:24:31 | 0.042                     |
| 202        | 07/08/2011 | 11:25:31 | 0.039                     |
| 203        | 07/08/2011 | 11:26:31 | 0.040                     |
| 204        | 07/08/2011 | 11:27:31 | 0.040                     |
| 205        | 07/08/2011 | 11:28:31 | 0.040                     |
| 206        | 07/08/2011 | 11:29:31 | 0.041                     |
| 207        | 07/08/2011 | 11:30:31 | 0.041                     |
| 208        | 07/08/2011 | 11:31:31 | 0.041                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 209        | 07/08/2011 | 11:32:31 | 0.040                     |
| 210        | 07/08/2011 | 11:33:31 | 0.040                     |
| 211        | 07/08/2011 | 11:34:31 | 0.041                     |
| 212        | 07/08/2011 | 11:35:31 | 0.040                     |
| 213        | 07/08/2011 | 11:36:31 | 0.042                     |
| 214        | 07/08/2011 | 11:37:31 | 0.042                     |
| 215        | 07/08/2011 | 11:38:31 | 0.043                     |
| 216        | 07/08/2011 | 11:39:31 | 0.041                     |
| 217        | 07/08/2011 | 11:40:31 | 0.043                     |
| 218        | 07/08/2011 | 11:41:31 | 0.041                     |
| 219        | 07/08/2011 | 11:42:31 | 0.042                     |
| 220        | 07/08/2011 | 11:43:31 | 0.044                     |
| 221        | 07/08/2011 | 11:44:31 | 0.044                     |
| 222        | 07/08/2011 | 11:45:31 | 0.043                     |
| 223        | 07/08/2011 | 11:46:31 | 0.043                     |
| 224        | 07/08/2011 | 11:47:31 | 0.043                     |
| 225        | 07/08/2011 | 11:48:31 | 0.046                     |
| 226        | 07/08/2011 | 11:49:31 | 0.046                     |
| 227        | 07/08/2011 | 11:50:31 | 0.044                     |
| 228        | 07/08/2011 | 11:51:31 | 0.043                     |
| 229        | 07/08/2011 | 11:52:31 | 0.044                     |
| 230        | 07/08/2011 | 11:53:31 | 0.043                     |
| 231        | 07/08/2011 | 11:54:31 | 0.043                     |
| 232        | 07/08/2011 | 11:55:31 | 0.044                     |
| 233        | 07/08/2011 | 11:56:31 | 0.041                     |
| 234        | 07/08/2011 | 11:57:31 | 0.041                     |
| 235        | 07/08/2011 | 11:58:31 | 0.039                     |
| 236        | 07/08/2011 | 11:59:31 | 0.040                     |
| 237        | 07/08/2011 | 12:00:31 | 0.045                     |
| 238        | 07/08/2011 | 12:01:31 | 0.043                     |
| 239        | 07/08/2011 | 12:02:31 | 0.042                     |
| 240        | 07/08/2011 | 12:03:31 | 0.045                     |
| 241        | 07/08/2011 | 12:04:31 | 0.045                     |
| 242        | 07/08/2011 | 12:05:31 | 0.045                     |
| 243        | 07/08/2011 | 12:06:31 | 0.046                     |
| 244        | 07/08/2011 | 12:07:31 | 0.043                     |
| 245        | 07/08/2011 | 12:08:31 | 0.045                     |
| 246        | 07/08/2011 | 12:09:31 | 0.042                     |
| 247        | 07/08/2011 | 12:10:31 | 0.040                     |
| 248        | 07/08/2011 | 12:11:31 | 0.040                     |
| 249        | 07/08/2011 | 12:12:31 | 0.039                     |
| 250        | 07/08/2011 | 12:13:31 | 0.039                     |
| 251        | 07/08/2011 | 12:14:31 | 0.038                     |
| 252        | 07/08/2011 | 12:15:31 | 0.038                     |
| 253        | 07/08/2011 | 12:16:31 | 0.038                     |
| 254        | 07/08/2011 | 12:17:31 | 0.040                     |
| 255        | 07/08/2011 | 12:18:31 | 0.044                     |
| 256        | 07/08/2011 | 12:19:31 | 0.040                     |
| 257        | 07/08/2011 | 12:20:31 | 0.039                     |
| 258        | 07/08/2011 | 12:21:31 | 0.039                     |
| 259        | 07/08/2011 | 12:22:31 | 0.040                     |
| 260        | 07/08/2011 | 12:23:31 | 0.042                     |
| 261        | 07/08/2011 | 12:24:31 | 0.043                     |
| 262        | 07/08/2011 | 12:25:31 | 0.040                     |
| 263        | 07/08/2011 | 12:26:31 | 0.040                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 264        | 07/08/2011 | 12:27:31 | 0.042                     |
| 265        | 07/08/2011 | 12:28:31 | 0.040                     |
| 266        | 07/08/2011 | 12:29:31 | 0.041                     |
| 267        | 07/08/2011 | 12:30:31 | 0.039                     |
| 268        | 07/08/2011 | 12:31:31 | 0.038                     |
| 269        | 07/08/2011 | 12:32:31 | 0.040                     |
| 270        | 07/08/2011 | 12:33:31 | 0.039                     |
| 271        | 07/08/2011 | 12:34:31 | 0.039                     |
| 272        | 07/08/2011 | 12:35:31 | 0.039                     |
| 273        | 07/08/2011 | 12:36:31 | 0.040                     |
| 274        | 07/08/2011 | 12:37:31 | 0.040                     |
| 275        | 07/08/2011 | 12:38:31 | 0.040                     |
| 276        | 07/08/2011 | 12:39:31 | 0.039                     |
| 277        | 07/08/2011 | 12:40:31 | 0.041                     |
| 278        | 07/08/2011 | 12:41:31 | 0.042                     |
| 279        | 07/08/2011 | 12:42:31 | 0.040                     |
| 280        | 07/08/2011 | 12:43:31 | 0.042                     |
| 281        | 07/08/2011 | 12:44:31 | 0.041                     |
| 282        | 07/08/2011 | 12:45:31 | 0.040                     |
| 283        | 07/08/2011 | 12:46:31 | 0.040                     |
| 284        | 07/08/2011 | 12:47:31 | 0.042                     |
| 285        | 07/08/2011 | 12:48:31 | 0.041                     |
| 286        | 07/08/2011 | 12:49:31 | 0.042                     |
| 287        | 07/08/2011 | 12:50:31 | 0.041                     |
| 288        | 07/08/2011 | 12:51:31 | 0.040                     |
| 289        | 07/08/2011 | 12:52:31 | 0.042                     |
| 290        | 07/08/2011 | 12:53:31 | 0.044                     |
| 291        | 07/08/2011 | 12:54:31 | 0.041                     |
| 292        | 07/08/2011 | 12:55:31 | 0.041                     |
| 293        | 07/08/2011 | 12:56:31 | 0.041                     |
| 294        | 07/08/2011 | 12:57:31 | 0.041                     |
| 295        | 07/08/2011 | 12:58:31 | 0.040                     |
| 296        | 07/08/2011 | 12:59:31 | 0.039                     |
| 297        | 07/08/2011 | 13:00:31 | 0.037                     |
| 298        | 07/08/2011 | 13:01:31 | 0.037                     |
| 299        | 07/08/2011 | 13:02:31 | 0.041                     |
| 300        | 07/08/2011 | 13:03:31 | 0.038                     |
| 301        | 07/08/2011 | 13:04:31 | 0.038                     |
| 302        | 07/08/2011 | 13:05:31 | 0.039                     |
| 303        | 07/08/2011 | 13:06:31 | 0.037                     |
| 304        | 07/08/2011 | 13:07:31 | 0.038                     |
| 305        | 07/08/2011 | 13:08:31 | 0.037                     |
| 306        | 07/08/2011 | 13:09:31 | 0.039                     |
| 307        | 07/08/2011 | 13:10:31 | 0.037                     |
| 308        | 07/08/2011 | 13:11:31 | 0.038                     |
| 309        | 07/08/2011 | 13:12:31 | 0.038                     |
| 310        | 07/08/2011 | 13:13:31 | 0.037                     |
| 311        | 07/08/2011 | 13:14:31 | 0.037                     |
| 312        | 07/08/2011 | 13:15:31 | 0.069                     |
| 313        | 07/08/2011 | 13:16:31 | 0.037                     |
| 314        | 07/08/2011 | 13:17:31 | 0.037                     |
| 315        | 07/08/2011 | 13:18:31 | 0.041                     |
| 316        | 07/08/2011 | 13:19:31 | 0.040                     |
| 317        | 07/08/2011 | 13:20:31 | 0.038                     |
| 318        | 07/08/2011 | 13:21:31 | 0.037                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 319        | 07/08/2011 | 13:22:31 | 0.036                     |
| 320        | 07/08/2011 | 13:23:31 | 0.037                     |
| 321        | 07/08/2011 | 13:24:31 | 0.037                     |
| 322        | 07/08/2011 | 13:25:31 | 0.040                     |
| 323        | 07/08/2011 | 13:26:31 | 0.039                     |
| 324        | 07/08/2011 | 13:27:31 | 0.041                     |
| 325        | 07/08/2011 | 13:28:31 | 0.038                     |
| 326        | 07/08/2011 | 13:29:31 | 0.039                     |
| 327        | 07/08/2011 | 13:30:31 | 0.038                     |
| 328        | 07/08/2011 | 13:31:31 | 0.041                     |
| 329        | 07/08/2011 | 13:32:31 | 0.038                     |
| 330        | 07/08/2011 | 13:33:31 | 0.042                     |
| 331        | 07/08/2011 | 13:34:31 | 0.041                     |
| 332        | 07/08/2011 | 13:35:31 | 0.037                     |
| 333        | 07/08/2011 | 13:36:31 | 0.038                     |
| 334        | 07/08/2011 | 13:37:31 | 0.046                     |
| 335        | 07/08/2011 | 13:38:31 | 0.043                     |
| 336        | 07/08/2011 | 13:39:31 | 0.040                     |
| 337        | 07/08/2011 | 13:40:31 | 0.038                     |
| 338        | 07/08/2011 | 13:41:31 | 0.039                     |
| 339        | 07/08/2011 | 13:42:31 | 0.037                     |
| 340        | 07/08/2011 | 13:43:31 | 0.037                     |
| 341        | 07/08/2011 | 13:44:31 | 0.038                     |
| 342        | 07/08/2011 | 13:45:31 | 0.038                     |
| 343        | 07/08/2011 | 13:46:31 | 0.035                     |
| 344        | 07/08/2011 | 13:47:31 | 0.037                     |
| 345        | 07/08/2011 | 13:48:31 | 0.036                     |
| 346        | 07/08/2011 | 13:49:31 | 0.038                     |
| 347        | 07/08/2011 | 13:50:31 | 0.037                     |
| 348        | 07/08/2011 | 13:51:31 | 0.037                     |
| 349        | 07/08/2011 | 13:52:31 | 0.038                     |
| 350        | 07/08/2011 | 13:53:31 | 0.037                     |
| 351        | 07/08/2011 | 13:54:31 | 0.037                     |
| 352        | 07/08/2011 | 13:55:31 | 0.036                     |
| 353        | 07/08/2011 | 13:56:31 | 0.036                     |
| 354        | 07/08/2011 | 13:57:31 | 0.037                     |
| 355        | 07/08/2011 | 13:58:31 | 0.038                     |
| 356        | 07/08/2011 | 13:59:31 | 0.036                     |
| 357        | 07/08/2011 | 14:00:31 | 0.035                     |
| 358        | 07/08/2011 | 14:01:31 | 0.037                     |
| 359        | 07/08/2011 | 14:02:31 | 0.036                     |
| 360        | 07/08/2011 | 14:03:31 | 0.037                     |
| 361        | 07/08/2011 | 14:04:31 | 0.035                     |
| 362        | 07/08/2011 | 14:05:31 | 0.036                     |
| 363        | 07/08/2011 | 14:06:31 | 0.035                     |
| 364        | 07/08/2011 | 14:07:31 | 0.035                     |
| 365        | 07/08/2011 | 14:08:31 | 0.035                     |
| 366        | 07/08/2011 | 14:09:31 | 0.035                     |
| 367        | 07/08/2011 | 14:10:31 | 0.036                     |
| 368        | 07/08/2011 | 14:11:31 | 0.035                     |
| 369        | 07/08/2011 | 14:12:31 | 0.033                     |
| 370        | 07/08/2011 | 14:13:31 | 0.036                     |
| 371        | 07/08/2011 | 14:14:31 | 0.035                     |
| 372        | 07/08/2011 | 14:15:31 | 0.035                     |
| 373        | 07/08/2011 | 14:16:31 | 0.045                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 374        | 07/08/2011 | 14:17:31 | 0.039                     |
| 375        | 07/08/2011 | 14:18:31 | 0.035                     |
| 376        | 07/08/2011 | 14:19:31 | 0.037                     |
| 377        | 07/08/2011 | 14:20:31 | 0.053                     |
| 378        | 07/08/2011 | 14:21:31 | 0.036                     |
| 379        | 07/08/2011 | 14:22:31 | 0.032                     |
| 380        | 07/08/2011 | 14:23:31 | 0.031                     |
| 381        | 07/08/2011 | 14:24:31 | 0.030                     |
| 382        | 07/08/2011 | 14:25:31 | 0.036                     |
| 383        | 07/08/2011 | 14:26:31 | 0.032                     |
| 384        | 07/08/2011 | 14:27:31 | 0.030                     |
| 385        | 07/08/2011 | 14:28:31 | 0.030                     |
| 386        | 07/08/2011 | 14:29:31 | 0.031                     |
| 387        | 07/08/2011 | 14:30:31 | 0.030                     |
| 388        | 07/08/2011 | 14:31:31 | 0.031                     |
| 389        | 07/08/2011 | 14:32:31 | 0.031                     |
| 390        | 07/08/2011 | 14:33:31 | 0.031                     |
| 391        | 07/08/2011 | 14:34:31 | 0.030                     |
| 392        | 07/08/2011 | 14:35:31 | 0.029                     |
| 393        | 07/08/2011 | 14:36:31 | 0.030                     |
| 394        | 07/08/2011 | 14:37:31 | 0.031                     |
| 395        | 07/08/2011 | 14:38:31 | 0.030                     |
| 396        | 07/08/2011 | 14:39:31 | 0.029                     |
| 397        | 07/08/2011 | 14:40:31 | 0.030                     |
| 398        | 07/08/2011 | 14:41:31 | 0.034                     |
| 399        | 07/08/2011 | 14:42:31 | 0.031                     |
| 400        | 07/08/2011 | 14:43:31 | 0.029                     |
| 401        | 07/08/2011 | 14:44:31 | 0.034                     |
| 402        | 07/08/2011 | 14:45:31 | 0.029                     |
| 403        | 07/08/2011 | 14:46:31 | 0.029                     |
| 404        | 07/08/2011 | 14:47:31 | 0.029                     |
| 405        | 07/08/2011 | 14:48:31 | 0.030                     |
| 406        | 07/08/2011 | 14:49:31 | 0.033                     |
| 407        | 07/08/2011 | 14:50:31 | 0.033                     |
| 408        | 07/08/2011 | 14:51:31 | 0.027                     |
| 409        | 07/08/2011 | 14:52:31 | 0.028                     |
| 410        | 07/08/2011 | 14:53:31 | 0.029                     |
| 411        | 07/08/2011 | 14:54:31 | 0.028                     |
| 412        | 07/08/2011 | 14:55:31 | 0.029                     |
| 413        | 07/08/2011 | 14:56:31 | 0.028                     |
| 414        | 07/08/2011 | 14:57:31 | 0.028                     |
| 415        | 07/08/2011 | 14:58:31 | 0.029                     |
| 416        | 07/08/2011 | 14:59:31 | 0.027                     |
| 417        | 07/08/2011 | 15:00:31 | 0.030                     |
| 418        | 07/08/2011 | 15:01:31 | 0.027                     |
| 419        | 07/08/2011 | 15:02:31 | 0.028                     |
| 420        | 07/08/2011 | 15:03:31 | 0.028                     |
| 421        | 07/08/2011 | 15:04:31 | 0.031                     |
| 422        | 07/08/2011 | 15:05:31 | 0.029                     |
| 423        | 07/08/2011 | 15:06:31 | 0.031                     |
| 424        | 07/08/2011 | 15:07:31 | 0.027                     |

# Test 004

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 07/08/2011  |
| Meter S/N  | 85201065  | Start Time       | 08:24:09    |
|            |           | Stop Date        | 07/08/2011  |
|            |           | Stop Time        | 15:09:09    |
|            |           | Total Time       | 0:06:45:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 07/08/2011 | 08:29:09 | 0.025                     |
| 2          | 07/08/2011 | 08:34:09 | 0.031                     |
| 3          | 07/08/2011 | 08:39:09 | 0.025                     |
| 4          | 07/08/2011 | 08:44:09 | 0.025                     |
| 5          | 07/08/2011 | 08:49:09 | 0.022                     |
| 6          | 07/08/2011 | 08:54:09 | 0.023                     |
| 7          | 07/08/2011 | 08:59:09 | 0.023                     |
| 8          | 07/08/2011 | 09:04:09 | 0.026                     |
| 9          | 07/08/2011 | 09:09:09 | 0.026                     |
| 10         | 07/08/2011 | 09:14:09 | 0.029                     |
| 11         | 07/08/2011 | 09:19:09 | 0.024                     |
| 12         | 07/08/2011 | 09:24:09 | 0.032                     |
| 13         | 07/08/2011 | 09:29:09 | 0.027                     |
| 14         | 07/08/2011 | 09:34:09 | 0.028                     |
| 15         | 07/08/2011 | 09:39:09 | 0.029                     |
| 16         | 07/08/2011 | 09:44:09 | 0.031                     |
| 17         | 07/08/2011 | 09:49:09 | 0.030                     |
| 18         | 07/08/2011 | 09:54:09 | 0.029                     |
| 19         | 07/08/2011 | 09:59:09 | 0.028                     |
| 20         | 07/08/2011 | 10:04:09 | 0.030                     |
| 21         | 07/08/2011 | 10:09:09 | 0.031                     |
| 22         | 07/08/2011 | 10:14:09 | 0.031                     |
| 23         | 07/08/2011 | 10:19:09 | 0.031                     |
| 24         | 07/08/2011 | 10:24:09 | 0.032                     |
| 25         | 07/08/2011 | 10:29:09 | 0.033                     |
| 26         | 07/08/2011 | 10:34:09 | 0.033                     |
| 27         | 07/08/2011 | 10:39:09 | 0.033                     |
| 28         | 07/08/2011 | 10:44:09 | 0.034                     |
| 29         | 07/08/2011 | 10:49:09 | 0.036                     |
| 30         | 07/08/2011 | 10:54:09 | 0.036                     |
| 31         | 07/08/2011 | 10:59:09 | 0.036                     |
| 32         | 07/08/2011 | 11:04:09 | 0.035                     |
| 33         | 07/08/2011 | 11:09:09 | 0.036                     |
| 34         | 07/08/2011 | 11:14:09 | 0.036                     |
| 35         | 07/08/2011 | 11:19:09 | 0.037                     |
| 36         | 07/08/2011 | 11:24:09 | 0.037                     |
| 37         | 07/08/2011 | 11:29:09 | 0.036                     |
| 38         | 07/08/2011 | 11:34:09 | 0.036                     |
| 39         | 07/08/2011 | 11:39:09 | 0.037                     |
| 40         | 07/08/2011 | 11:44:09 | 0.037                     |
| 41         | 07/08/2011 | 11:49:09 | 0.039                     |
| 42         | 07/08/2011 | 11:54:09 | 0.038                     |
| 43         | 07/08/2011 | 11:59:09 | 0.037                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 07/08/2011 | 12:04:09 | 0.038                     |
| 45         | 07/08/2011 | 12:09:09 | 0.037                     |
| 46         | 07/08/2011 | 12:14:09 | 0.034                     |
| 47         | 07/08/2011 | 12:19:09 | 0.035                     |
| 48         | 07/08/2011 | 12:24:09 | 0.036                     |
| 49         | 07/08/2011 | 12:29:09 | 0.037                     |
| 50         | 07/08/2011 | 12:34:09 | 0.035                     |
| 51         | 07/08/2011 | 12:39:09 | 0.036                     |
| 52         | 07/08/2011 | 12:44:09 | 0.037                     |
| 53         | 07/08/2011 | 12:49:09 | 0.037                     |
| 54         | 07/08/2011 | 12:54:09 | 0.037                     |
| 55         | 07/08/2011 | 12:59:09 | 0.036                     |
| 56         | 07/08/2011 | 13:04:09 | 0.034                     |
| 57         | 07/08/2011 | 13:09:09 | 0.033                     |
| 58         | 07/08/2011 | 13:14:09 | 0.033                     |
| 59         | 07/08/2011 | 13:19:09 | 0.033                     |
| 60         | 07/08/2011 | 13:24:09 | 0.032                     |
| 61         | 07/08/2011 | 13:29:09 | 0.035                     |
| 62         | 07/08/2011 | 13:34:09 | 0.034                     |
| 63         | 07/08/2011 | 13:39:09 | 0.039                     |
| 64         | 07/08/2011 | 13:44:09 | 0.033                     |
| 65         | 07/08/2011 | 13:49:09 | 0.032                     |
| 66         | 07/08/2011 | 13:54:09 | 0.033                     |
| 67         | 07/08/2011 | 13:59:09 | 0.032                     |
| 68         | 07/08/2011 | 14:04:09 | 0.032                     |
| 69         | 07/08/2011 | 14:09:09 | 0.033                     |
| 70         | 07/08/2011 | 14:14:09 | 0.031                     |
| 71         | 07/08/2011 | 14:19:09 | 0.030                     |
| 72         | 07/08/2011 | 14:24:09 | 0.028                     |
| 73         | 07/08/2011 | 14:29:09 | 0.028                     |
| 74         | 07/08/2011 | 14:34:09 | 0.027                     |
| 75         | 07/08/2011 | 14:39:09 | 0.028                     |
| 76         | 07/08/2011 | 14:44:09 | 0.026                     |
| 77         | 07/08/2011 | 14:49:09 | 0.025                     |
| 78         | 07/08/2011 | 14:54:09 | 0.025                     |
| 79         | 07/08/2011 | 14:59:09 | 0.025                     |
| 80         | 07/08/2011 | 15:04:09 | 0.025                     |
| 81         | 07/08/2011 | 15:09:09 | 0.025                     |

# Test 005

| Instrument |           | Data Properties  |            |
|------------|-----------|------------------|------------|
| Model      | Dust Trak | Start Date       | 07/11/2011 |
| Meter S/N  | 85201091  | Start Time       | 08:35:05   |
|            |           | Stop Date        | 07/11/2011 |
|            |           | Stop Time        | 15:54:05   |
|            |           | Total Time       | 0:07:19:00 |
|            |           | Logging Interval | 60 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 07/11/2011 | 08:36:05 | 0.093                     |
| 2          | 07/11/2011 | 08:37:05 | 0.188                     |
| 3          | 07/11/2011 | 08:38:05 | 0.076                     |
| 4          | 07/11/2011 | 08:39:05 | 0.075                     |
| 5          | 07/11/2011 | 08:40:05 | 0.075                     |
| 6          | 07/11/2011 | 08:41:05 | 0.075                     |
| 7          | 07/11/2011 | 08:42:05 | 0.072                     |
| 8          | 07/11/2011 | 08:43:05 | 0.072                     |
| 9          | 07/11/2011 | 08:44:05 | 0.070                     |
| 10         | 07/11/2011 | 08:45:05 | 0.070                     |
| 11         | 07/11/2011 | 08:46:05 | 0.069                     |
| 12         | 07/11/2011 | 08:47:05 | 0.069                     |
| 13         | 07/11/2011 | 08:48:05 | 0.069                     |
| 14         | 07/11/2011 | 08:49:05 | 0.070                     |
| 15         | 07/11/2011 | 08:50:05 | 0.069                     |
| 16         | 07/11/2011 | 08:51:05 | 0.070                     |
| 17         | 07/11/2011 | 08:52:05 | 0.068                     |
| 18         | 07/11/2011 | 08:53:05 | 0.067                     |
| 19         | 07/11/2011 | 08:54:05 | 0.070                     |
| 20         | 07/11/2011 | 08:55:05 | 0.067                     |
| 21         | 07/11/2011 | 08:56:05 | 0.066                     |
| 22         | 07/11/2011 | 08:57:05 | 0.068                     |
| 23         | 07/11/2011 | 08:58:05 | 0.067                     |
| 24         | 07/11/2011 | 08:59:05 | 0.065                     |
| 25         | 07/11/2011 | 09:00:05 | 0.065                     |
| 26         | 07/11/2011 | 09:01:05 | 0.063                     |
| 27         | 07/11/2011 | 09:02:05 | 0.064                     |
| 28         | 07/11/2011 | 09:03:05 | 0.063                     |
| 29         | 07/11/2011 | 09:04:05 | 0.066                     |
| 30         | 07/11/2011 | 09:05:05 | 0.062                     |
| 31         | 07/11/2011 | 09:06:05 | 0.062                     |
| 32         | 07/11/2011 | 09:07:05 | 0.062                     |
| 33         | 07/11/2011 | 09:08:05 | 0.063                     |
| 34         | 07/11/2011 | 09:09:05 | 0.063                     |
| 35         | 07/11/2011 | 09:10:05 | 0.061                     |
| 36         | 07/11/2011 | 09:11:05 | 0.062                     |
| 37         | 07/11/2011 | 09:12:05 | 0.061                     |
| 38         | 07/11/2011 | 09:13:05 | 0.062                     |
| 39         | 07/11/2011 | 09:14:05 | 0.061                     |
| 40         | 07/11/2011 | 09:15:05 | 0.060                     |
| 41         | 07/11/2011 | 09:16:05 | 0.060                     |
| 42         | 07/11/2011 | 09:17:05 | 0.062                     |
| 43         | 07/11/2011 | 09:18:05 | 0.060                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 07/11/2011 | 09:19:05 | 0.060                     |
| 45         | 07/11/2011 | 09:20:05 | 0.061                     |
| 46         | 07/11/2011 | 09:21:05 | 0.061                     |
| 47         | 07/11/2011 | 09:22:05 | 0.061                     |
| 48         | 07/11/2011 | 09:23:05 | 0.059                     |
| 49         | 07/11/2011 | 09:24:05 | 0.059                     |
| 50         | 07/11/2011 | 09:25:05 | 0.058                     |
| 51         | 07/11/2011 | 09:26:05 | 0.058                     |
| 52         | 07/11/2011 | 09:27:05 | 0.058                     |
| 53         | 07/11/2011 | 09:28:05 | 0.059                     |
| 54         | 07/11/2011 | 09:29:05 | 0.059                     |
| 55         | 07/11/2011 | 09:30:05 | 0.058                     |
| 56         | 07/11/2011 | 09:31:05 | 0.059                     |
| 57         | 07/11/2011 | 09:32:05 | 0.060                     |
| 58         | 07/11/2011 | 09:33:05 | 0.060                     |
| 59         | 07/11/2011 | 09:34:05 | 0.058                     |
| 60         | 07/11/2011 | 09:35:05 | 0.057                     |
| 61         | 07/11/2011 | 09:36:05 | 0.058                     |
| 62         | 07/11/2011 | 09:37:05 | 0.058                     |
| 63         | 07/11/2011 | 09:38:05 | 0.058                     |
| 64         | 07/11/2011 | 09:39:05 | 0.058                     |
| 65         | 07/11/2011 | 09:40:05 | 0.058                     |
| 66         | 07/11/2011 | 09:41:05 | 0.057                     |
| 67         | 07/11/2011 | 09:42:05 | 0.057                     |
| 68         | 07/11/2011 | 09:43:05 | 0.059                     |
| 69         | 07/11/2011 | 09:44:05 | 0.058                     |
| 70         | 07/11/2011 | 09:45:05 | 0.058                     |
| 71         | 07/11/2011 | 09:46:05 | 0.059                     |
| 72         | 07/11/2011 | 09:47:05 | 0.058                     |
| 73         | 07/11/2011 | 09:48:05 | 0.057                     |
| 74         | 07/11/2011 | 09:49:05 | 0.057                     |
| 75         | 07/11/2011 | 09:50:05 | 0.056                     |
| 76         | 07/11/2011 | 09:51:05 | 0.058                     |
| 77         | 07/11/2011 | 09:52:05 | 0.055                     |
| 78         | 07/11/2011 | 09:53:05 | 0.056                     |
| 79         | 07/11/2011 | 09:54:05 | 0.055                     |
| 80         | 07/11/2011 | 09:55:05 | 0.057                     |
| 81         | 07/11/2011 | 09:56:05 | 0.056                     |
| 82         | 07/11/2011 | 09:57:05 | 0.053                     |
| 83         | 07/11/2011 | 09:58:05 | 0.054                     |
| 84         | 07/11/2011 | 09:59:05 | 0.053                     |
| 85         | 07/11/2011 | 10:00:05 | 0.054                     |
| 86         | 07/11/2011 | 10:01:05 | 0.054                     |
| 87         | 07/11/2011 | 10:02:05 | 0.054                     |
| 88         | 07/11/2011 | 10:03:05 | 0.055                     |
| 89         | 07/11/2011 | 10:04:05 | 0.055                     |
| 90         | 07/11/2011 | 10:05:05 | 0.054                     |
| 91         | 07/11/2011 | 10:06:05 | 0.058                     |
| 92         | 07/11/2011 | 10:07:05 | 0.056                     |
| 93         | 07/11/2011 | 10:08:05 | 0.054                     |
| 94         | 07/11/2011 | 10:09:05 | 0.056                     |
| 95         | 07/11/2011 | 10:10:05 | 0.054                     |
| 96         | 07/11/2011 | 10:11:05 | 0.055                     |
| 97         | 07/11/2011 | 10:12:05 | 0.055                     |
| 98         | 07/11/2011 | 10:13:05 | 0.055                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 99         | 07/11/2011 | 10:14:05 | 0.055                     |
| 100        | 07/11/2011 | 10:15:05 | 0.053                     |
| 101        | 07/11/2011 | 10:16:05 | 0.054                     |
| 102        | 07/11/2011 | 10:17:05 | 0.055                     |
| 103        | 07/11/2011 | 10:18:05 | 0.056                     |
| 104        | 07/11/2011 | 10:19:05 | 0.055                     |
| 105        | 07/11/2011 | 10:20:05 | 0.056                     |
| 106        | 07/11/2011 | 10:21:05 | 0.057                     |
| 107        | 07/11/2011 | 10:22:05 | 0.055                     |
| 108        | 07/11/2011 | 10:23:05 | 0.054                     |
| 109        | 07/11/2011 | 10:24:05 | 0.054                     |
| 110        | 07/11/2011 | 10:25:05 | 0.055                     |
| 111        | 07/11/2011 | 10:26:05 | 0.054                     |
| 112        | 07/11/2011 | 10:27:05 | 0.055                     |
| 113        | 07/11/2011 | 10:28:05 | 0.053                     |
| 114        | 07/11/2011 | 10:29:05 | 0.054                     |
| 115        | 07/11/2011 | 10:30:05 | 0.056                     |
| 116        | 07/11/2011 | 10:31:05 | 0.053                     |
| 117        | 07/11/2011 | 10:32:05 | 0.057                     |
| 118        | 07/11/2011 | 10:33:05 | 0.054                     |
| 119        | 07/11/2011 | 10:34:05 | 0.055                     |
| 120        | 07/11/2011 | 10:35:05 | 0.054                     |
| 121        | 07/11/2011 | 10:36:05 | 0.053                     |
| 122        | 07/11/2011 | 10:37:05 | 0.054                     |
| 123        | 07/11/2011 | 10:38:05 | 0.052                     |
| 124        | 07/11/2011 | 10:39:05 | 0.053                     |
| 125        | 07/11/2011 | 10:40:05 | 0.053                     |
| 126        | 07/11/2011 | 10:41:05 | 0.056                     |
| 127        | 07/11/2011 | 10:42:05 | 0.053                     |
| 128        | 07/11/2011 | 10:43:05 | 0.056                     |
| 129        | 07/11/2011 | 10:44:05 | 0.061                     |
| 130        | 07/11/2011 | 10:45:05 | 0.055                     |
| 131        | 07/11/2011 | 10:46:05 | 0.053                     |
| 132        | 07/11/2011 | 10:47:05 | 0.054                     |
| 133        | 07/11/2011 | 10:48:05 | 0.057                     |
| 134        | 07/11/2011 | 10:49:05 | 0.053                     |
| 135        | 07/11/2011 | 10:50:05 | 0.054                     |
| 136        | 07/11/2011 | 10:51:05 | 0.055                     |
| 137        | 07/11/2011 | 10:52:05 | 0.057                     |
| 138        | 07/11/2011 | 10:53:05 | 0.057                     |
| 139        | 07/11/2011 | 10:54:05 | 0.055                     |
| 140        | 07/11/2011 | 10:55:05 | 0.057                     |
| 141        | 07/11/2011 | 10:56:05 | 0.056                     |
| 142        | 07/11/2011 | 10:57:05 | 0.058                     |
| 143        | 07/11/2011 | 10:58:05 | 0.056                     |
| 144        | 07/11/2011 | 10:59:05 | 0.055                     |
| 145        | 07/11/2011 | 11:00:05 | 0.057                     |
| 146        | 07/11/2011 | 11:01:05 | 0.057                     |
| 147        | 07/11/2011 | 11:02:05 | 0.055                     |
| 148        | 07/11/2011 | 11:03:05 | 0.055                     |
| 149        | 07/11/2011 | 11:04:05 | 0.055                     |
| 150        | 07/11/2011 | 11:05:05 | 0.054                     |
| 151        | 07/11/2011 | 11:06:05 | 0.055                     |
| 152        | 07/11/2011 | 11:07:05 | 0.056                     |
| 153        | 07/11/2011 | 11:08:05 | 0.054                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 154        | 07/11/2011 | 11:09:05 | 0.055                     |
| 155        | 07/11/2011 | 11:10:05 | 0.056                     |
| 156        | 07/11/2011 | 11:11:05 | 0.057                     |
| 157        | 07/11/2011 | 11:12:05 | 0.056                     |
| 158        | 07/11/2011 | 11:13:05 | 0.055                     |
| 159        | 07/11/2011 | 11:14:05 | 0.056                     |
| 160        | 07/11/2011 | 11:15:05 | 0.053                     |
| 161        | 07/11/2011 | 11:16:05 | 0.056                     |
| 162        | 07/11/2011 | 11:17:05 | 0.056                     |
| 163        | 07/11/2011 | 11:18:05 | 0.055                     |
| 164        | 07/11/2011 | 11:19:05 | 0.056                     |
| 165        | 07/11/2011 | 11:20:05 | 0.057                     |
| 166        | 07/11/2011 | 11:21:05 | 0.054                     |
| 167        | 07/11/2011 | 11:22:05 | 0.056                     |
| 168        | 07/11/2011 | 11:23:05 | 0.058                     |
| 169        | 07/11/2011 | 11:24:05 | 0.055                     |
| 170        | 07/11/2011 | 11:25:05 | 0.057                     |
| 171        | 07/11/2011 | 11:26:05 | 0.057                     |
| 172        | 07/11/2011 | 11:27:05 | 0.057                     |
| 173        | 07/11/2011 | 11:28:05 | 0.059                     |
| 174        | 07/11/2011 | 11:29:05 | 0.056                     |
| 175        | 07/11/2011 | 11:30:05 | 0.056                     |
| 176        | 07/11/2011 | 11:31:05 | 0.056                     |
| 177        | 07/11/2011 | 11:32:05 | 0.057                     |
| 178        | 07/11/2011 | 11:33:05 | 0.057                     |
| 179        | 07/11/2011 | 11:34:05 | 0.060                     |
| 180        | 07/11/2011 | 11:35:05 | 0.057                     |
| 181        | 07/11/2011 | 11:36:05 | 0.058                     |
| 182        | 07/11/2011 | 11:37:05 | 0.057                     |
| 183        | 07/11/2011 | 11:38:05 | 0.060                     |
| 184        | 07/11/2011 | 11:39:05 | 0.060                     |
| 185        | 07/11/2011 | 11:40:05 | 0.058                     |
| 186        | 07/11/2011 | 11:41:05 | 0.058                     |
| 187        | 07/11/2011 | 11:42:05 | 0.058                     |
| 188        | 07/11/2011 | 11:43:05 | 0.057                     |
| 189        | 07/11/2011 | 11:44:05 | 0.058                     |
| 190        | 07/11/2011 | 11:45:05 | 0.057                     |
| 191        | 07/11/2011 | 11:46:05 | 0.057                     |
| 192        | 07/11/2011 | 11:47:05 | 0.058                     |
| 193        | 07/11/2011 | 11:48:05 | 0.058                     |
| 194        | 07/11/2011 | 11:49:05 | 0.057                     |
| 195        | 07/11/2011 | 11:50:05 | 0.057                     |
| 196        | 07/11/2011 | 11:51:05 | 0.056                     |
| 197        | 07/11/2011 | 11:52:05 | 0.056                     |
| 198        | 07/11/2011 | 11:53:05 | 0.056                     |
| 199        | 07/11/2011 | 11:54:05 | 0.058                     |
| 200        | 07/11/2011 | 11:55:05 | 0.056                     |
| 201        | 07/11/2011 | 11:56:05 | 0.057                     |
| 202        | 07/11/2011 | 11:57:05 | 0.058                     |
| 203        | 07/11/2011 | 11:58:05 | 0.057                     |
| 204        | 07/11/2011 | 11:59:05 | 0.058                     |
| 205        | 07/11/2011 | 12:00:05 | 0.059                     |
| 206        | 07/11/2011 | 12:01:05 | 0.057                     |
| 207        | 07/11/2011 | 12:02:05 | 0.056                     |
| 208        | 07/11/2011 | 12:03:05 | 0.057                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 209        | 07/11/2011 | 12:04:05 | 0.056                     |
| 210        | 07/11/2011 | 12:05:05 | 0.057                     |
| 211        | 07/11/2011 | 12:06:05 | 0.057                     |
| 212        | 07/11/2011 | 12:07:05 | 0.059                     |
| 213        | 07/11/2011 | 12:08:05 | 0.057                     |
| 214        | 07/11/2011 | 12:09:05 | 0.058                     |
| 215        | 07/11/2011 | 12:10:05 | 0.057                     |
| 216        | 07/11/2011 | 12:11:05 | 0.058                     |
| 217        | 07/11/2011 | 12:12:05 | 0.056                     |
| 218        | 07/11/2011 | 12:13:05 | 0.058                     |
| 219        | 07/11/2011 | 12:14:05 | 0.057                     |
| 220        | 07/11/2011 | 12:15:05 | 0.056                     |
| 221        | 07/11/2011 | 12:16:05 | 0.056                     |
| 222        | 07/11/2011 | 12:17:05 | 0.057                     |
| 223        | 07/11/2011 | 12:18:05 | 0.055                     |
| 224        | 07/11/2011 | 12:19:05 | 0.056                     |
| 225        | 07/11/2011 | 12:20:05 | 0.054                     |
| 226        | 07/11/2011 | 12:21:05 | 0.052                     |
| 227        | 07/11/2011 | 12:22:05 | 0.054                     |
| 228        | 07/11/2011 | 12:23:05 | 0.055                     |
| 229        | 07/11/2011 | 12:24:05 | 0.054                     |
| 230        | 07/11/2011 | 12:25:05 | 0.054                     |
| 231        | 07/11/2011 | 12:26:05 | 0.057                     |
| 232        | 07/11/2011 | 12:27:05 | 0.055                     |
| 233        | 07/11/2011 | 12:28:05 | 0.056                     |
| 234        | 07/11/2011 | 12:29:05 | 0.056                     |
| 235        | 07/11/2011 | 12:30:05 | 0.057                     |
| 236        | 07/11/2011 | 12:31:05 | 0.055                     |
| 237        | 07/11/2011 | 12:32:05 | 0.054                     |
| 238        | 07/11/2011 | 12:33:05 | 0.053                     |
| 239        | 07/11/2011 | 12:34:05 | 0.054                     |
| 240        | 07/11/2011 | 12:35:05 | 0.055                     |
| 241        | 07/11/2011 | 12:36:05 | 0.057                     |
| 242        | 07/11/2011 | 12:37:05 | 0.055                     |
| 243        | 07/11/2011 | 12:38:05 | 0.055                     |
| 244        | 07/11/2011 | 12:39:05 | 0.053                     |
| 245        | 07/11/2011 | 12:40:05 | 0.053                     |
| 246        | 07/11/2011 | 12:41:05 | 0.054                     |
| 247        | 07/11/2011 | 12:42:05 | 0.052                     |
| 248        | 07/11/2011 | 12:43:05 | 0.053                     |
| 249        | 07/11/2011 | 12:44:05 | 0.052                     |
| 250        | 07/11/2011 | 12:45:05 | 0.054                     |
| 251        | 07/11/2011 | 12:46:05 | 0.053                     |
| 252        | 07/11/2011 | 12:47:05 | 0.056                     |
| 253        | 07/11/2011 | 12:48:05 | 0.055                     |
| 254        | 07/11/2011 | 12:49:05 | 0.055                     |
| 255        | 07/11/2011 | 12:50:05 | 0.055                     |
| 256        | 07/11/2011 | 12:51:05 | 0.054                     |
| 257        | 07/11/2011 | 12:52:05 | 0.055                     |
| 258        | 07/11/2011 | 12:53:05 | 0.055                     |
| 259        | 07/11/2011 | 12:54:05 | 0.053                     |
| 260        | 07/11/2011 | 12:55:05 | 0.054                     |
| 261        | 07/11/2011 | 12:56:05 | 0.053                     |
| 262        | 07/11/2011 | 12:57:05 | 0.054                     |
| 263        | 07/11/2011 | 12:58:05 | 0.057                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 264        | 07/11/2011 | 12:59:05 | 0.056                     |
| 265        | 07/11/2011 | 13:00:05 | 0.055                     |
| 266        | 07/11/2011 | 13:01:05 | 0.054                     |
| 267        | 07/11/2011 | 13:02:05 | 0.054                     |
| 268        | 07/11/2011 | 13:03:05 | 0.053                     |
| 269        | 07/11/2011 | 13:04:05 | 0.054                     |
| 270        | 07/11/2011 | 13:05:05 | 0.055                     |
| 271        | 07/11/2011 | 13:06:05 | 0.054                     |
| 272        | 07/11/2011 | 13:07:05 | 0.053                     |
| 273        | 07/11/2011 | 13:08:05 | 0.055                     |
| 274        | 07/11/2011 | 13:09:05 | 0.057                     |
| 275        | 07/11/2011 | 13:10:05 | 0.055                     |
| 276        | 07/11/2011 | 13:11:05 | 0.053                     |
| 277        | 07/11/2011 | 13:12:05 | 0.054                     |
| 278        | 07/11/2011 | 13:13:05 | 0.055                     |
| 279        | 07/11/2011 | 13:14:05 | 0.056                     |
| 280        | 07/11/2011 | 13:15:05 | 0.055                     |
| 281        | 07/11/2011 | 13:16:05 | 0.055                     |
| 282        | 07/11/2011 | 13:17:05 | 0.054                     |
| 283        | 07/11/2011 | 13:18:05 | 0.054                     |
| 284        | 07/11/2011 | 13:19:05 | 0.060                     |
| 285        | 07/11/2011 | 13:20:05 | 0.055                     |
| 286        | 07/11/2011 | 13:21:05 | 0.056                     |
| 287        | 07/11/2011 | 13:22:05 | 0.054                     |
| 288        | 07/11/2011 | 13:23:05 | 0.057                     |
| 289        | 07/11/2011 | 13:24:05 | 0.054                     |
| 290        | 07/11/2011 | 13:25:05 | 0.054                     |
| 291        | 07/11/2011 | 13:26:05 | 0.055                     |
| 292        | 07/11/2011 | 13:27:05 | 0.055                     |
| 293        | 07/11/2011 | 13:28:05 | 0.055                     |
| 294        | 07/11/2011 | 13:29:05 | 0.058                     |
| 295        | 07/11/2011 | 13:30:05 | 0.056                     |
| 296        | 07/11/2011 | 13:31:05 | 0.056                     |
| 297        | 07/11/2011 | 13:32:05 | 0.055                     |
| 298        | 07/11/2011 | 13:33:05 | 0.054                     |
| 299        | 07/11/2011 | 13:34:05 | 0.056                     |
| 300        | 07/11/2011 | 13:35:05 | 0.056                     |
| 301        | 07/11/2011 | 13:36:05 | 0.056                     |
| 302        | 07/11/2011 | 13:37:05 | 0.055                     |
| 303        | 07/11/2011 | 13:38:05 | 0.055                     |
| 304        | 07/11/2011 | 13:39:05 | 0.055                     |
| 305        | 07/11/2011 | 13:40:05 | 0.054                     |
| 306        | 07/11/2011 | 13:41:05 | 0.055                     |
| 307        | 07/11/2011 | 13:42:05 | 0.055                     |
| 308        | 07/11/2011 | 13:43:05 | 0.054                     |
| 309        | 07/11/2011 | 13:44:05 | 0.054                     |
| 310        | 07/11/2011 | 13:45:05 | 0.056                     |
| 311        | 07/11/2011 | 13:46:05 | 0.056                     |
| 312        | 07/11/2011 | 13:47:05 | 0.056                     |
| 313        | 07/11/2011 | 13:48:05 | 0.056                     |
| 314        | 07/11/2011 | 13:49:05 | 0.056                     |
| 315        | 07/11/2011 | 13:50:05 | 0.057                     |
| 316        | 07/11/2011 | 13:51:05 | 0.056                     |
| 317        | 07/11/2011 | 13:52:05 | 0.055                     |
| 318        | 07/11/2011 | 13:53:05 | 0.055                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 319        | 07/11/2011 | 13:54:05 | 0.057                     |
| 320        | 07/11/2011 | 13:55:05 | 0.055                     |
| 321        | 07/11/2011 | 13:56:05 | 0.055                     |
| 322        | 07/11/2011 | 13:57:05 | 0.056                     |
| 323        | 07/11/2011 | 13:58:05 | 0.056                     |
| 324        | 07/11/2011 | 13:59:05 | 0.057                     |
| 325        | 07/11/2011 | 14:00:05 | 0.055                     |
| 326        | 07/11/2011 | 14:01:05 | 0.055                     |
| 327        | 07/11/2011 | 14:02:05 | 0.056                     |
| 328        | 07/11/2011 | 14:03:05 | 0.055                     |
| 329        | 07/11/2011 | 14:04:05 | 0.055                     |
| 330        | 07/11/2011 | 14:05:05 | 0.056                     |
| 331        | 07/11/2011 | 14:06:05 | 0.055                     |
| 332        | 07/11/2011 | 14:07:05 | 0.056                     |
| 333        | 07/11/2011 | 14:08:05 | 0.056                     |
| 334        | 07/11/2011 | 14:09:05 | 0.053                     |
| 335        | 07/11/2011 | 14:10:05 | 0.052                     |
| 336        | 07/11/2011 | 14:11:05 | 0.054                     |
| 337        | 07/11/2011 | 14:12:05 | 0.055                     |
| 338        | 07/11/2011 | 14:13:05 | 0.056                     |
| 339        | 07/11/2011 | 14:14:05 | 0.058                     |
| 340        | 07/11/2011 | 14:15:05 | 0.057                     |
| 341        | 07/11/2011 | 14:16:05 | 0.056                     |
| 342        | 07/11/2011 | 14:17:05 | 0.059                     |
| 343        | 07/11/2011 | 14:18:05 | 0.060                     |
| 344        | 07/11/2011 | 14:19:05 | 0.056                     |
| 345        | 07/11/2011 | 14:20:05 | 0.058                     |
| 346        | 07/11/2011 | 14:21:05 | 0.071                     |
| 347        | 07/11/2011 | 14:22:05 | 0.060                     |
| 348        | 07/11/2011 | 14:23:05 | 0.056                     |
| 349        | 07/11/2011 | 14:24:05 | 0.057                     |
| 350        | 07/11/2011 | 14:25:05 | 0.057                     |
| 351        | 07/11/2011 | 14:26:05 | 0.056                     |
| 352        | 07/11/2011 | 14:27:05 | 0.058                     |
| 353        | 07/11/2011 | 14:28:05 | 0.057                     |
| 354        | 07/11/2011 | 14:29:05 | 0.058                     |
| 355        | 07/11/2011 | 14:30:05 | 0.057                     |
| 356        | 07/11/2011 | 14:31:05 | 0.059                     |
| 357        | 07/11/2011 | 14:32:05 | 0.059                     |
| 358        | 07/11/2011 | 14:33:05 | 0.058                     |
| 359        | 07/11/2011 | 14:34:05 | 0.059                     |
| 360        | 07/11/2011 | 14:35:05 | 0.059                     |
| 361        | 07/11/2011 | 14:36:05 | 0.061                     |
| 362        | 07/11/2011 | 14:37:05 | 0.059                     |
| 363        | 07/11/2011 | 14:38:05 | 0.059                     |
| 364        | 07/11/2011 | 14:39:05 | 0.060                     |
| 365        | 07/11/2011 | 14:40:05 | 0.065                     |
| 366        | 07/11/2011 | 14:41:05 | 0.062                     |
| 367        | 07/11/2011 | 14:42:05 | 0.057                     |
| 368        | 07/11/2011 | 14:43:05 | 0.058                     |
| 369        | 07/11/2011 | 14:44:05 | 0.058                     |
| 370        | 07/11/2011 | 14:45:05 | 0.057                     |
| 371        | 07/11/2011 | 14:46:05 | 0.057                     |
| 372        | 07/11/2011 | 14:47:05 | 0.056                     |
| 373        | 07/11/2011 | 14:48:05 | 0.057                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 374        | 07/11/2011 | 14:49:05 | 0.061                     |
| 375        | 07/11/2011 | 14:50:05 | 0.063                     |
| 376        | 07/11/2011 | 14:51:05 | 0.060                     |
| 377        | 07/11/2011 | 14:52:05 | 0.059                     |
| 378        | 07/11/2011 | 14:53:05 | 0.058                     |
| 379        | 07/11/2011 | 14:54:05 | 0.058                     |
| 380        | 07/11/2011 | 14:55:05 | 0.059                     |
| 381        | 07/11/2011 | 14:56:05 | 0.060                     |
| 382        | 07/11/2011 | 14:57:05 | 0.059                     |
| 383        | 07/11/2011 | 14:58:05 | 0.058                     |
| 384        | 07/11/2011 | 14:59:05 | 0.056                     |
| 385        | 07/11/2011 | 15:00:05 | 0.056                     |
| 386        | 07/11/2011 | 15:01:05 | 0.056                     |
| 387        | 07/11/2011 | 15:02:05 | 0.057                     |
| 388        | 07/11/2011 | 15:03:05 | 0.056                     |
| 389        | 07/11/2011 | 15:04:05 | 0.055                     |
| 390        | 07/11/2011 | 15:05:05 | 0.054                     |
| 391        | 07/11/2011 | 15:06:05 | 0.054                     |
| 392        | 07/11/2011 | 15:07:05 | 0.054                     |
| 393        | 07/11/2011 | 15:08:05 | 0.058                     |
| 394        | 07/11/2011 | 15:09:05 | 0.058                     |
| 395        | 07/11/2011 | 15:10:05 | 0.059                     |
| 396        | 07/11/2011 | 15:11:05 | 0.057                     |
| 397        | 07/11/2011 | 15:12:05 | 0.054                     |
| 398        | 07/11/2011 | 15:13:05 | 0.052                     |
| 399        | 07/11/2011 | 15:14:05 | 0.055                     |
| 400        | 07/11/2011 | 15:15:05 | 0.054                     |
| 401        | 07/11/2011 | 15:16:05 | 0.059                     |
| 402        | 07/11/2011 | 15:17:05 | 0.054                     |
| 403        | 07/11/2011 | 15:18:05 | 0.051                     |
| 404        | 07/11/2011 | 15:19:05 | 0.052                     |
| 405        | 07/11/2011 | 15:20:05 | 0.051                     |
| 406        | 07/11/2011 | 15:21:05 | 0.050                     |
| 407        | 07/11/2011 | 15:22:05 | 0.660                     |
| 408        | 07/11/2011 | 15:23:05 | 0.055                     |
| 409        | 07/11/2011 | 15:24:05 | 0.050                     |
| 410        | 07/11/2011 | 15:25:05 | 0.050                     |
| 411        | 07/11/2011 | 15:26:05 | 0.051                     |
| 412        | 07/11/2011 | 15:27:05 | 0.050                     |
| 413        | 07/11/2011 | 15:28:05 | 0.049                     |
| 414        | 07/11/2011 | 15:29:05 | 0.050                     |
| 415        | 07/11/2011 | 15:30:05 | 0.049                     |
| 416        | 07/11/2011 | 15:31:05 | 0.048                     |
| 417        | 07/11/2011 | 15:32:05 | 0.050                     |
| 418        | 07/11/2011 | 15:33:05 | 0.051                     |
| 419        | 07/11/2011 | 15:34:05 | 0.049                     |
| 420        | 07/11/2011 | 15:35:05 | 0.049                     |
| 421        | 07/11/2011 | 15:36:05 | 0.050                     |
| 422        | 07/11/2011 | 15:37:05 | 0.048                     |
| 423        | 07/11/2011 | 15:38:05 | 0.047                     |
| 424        | 07/11/2011 | 15:39:05 | 0.047                     |
| 425        | 07/11/2011 | 15:40:05 | 0.047                     |
| 426        | 07/11/2011 | 15:41:05 | 0.047                     |
| 427        | 07/11/2011 | 15:42:05 | 0.048                     |
| 428        | 07/11/2011 | 15:43:05 | 0.048                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 429        | 07/11/2011 | 15:44:05 | 0.046                     |
| 430        | 07/11/2011 | 15:45:05 | 0.046                     |
| 431        | 07/11/2011 | 15:46:05 | 0.047                     |
| 432        | 07/11/2011 | 15:47:05 | 0.047                     |
| 433        | 07/11/2011 | 15:48:05 | 0.047                     |
| 434        | 07/11/2011 | 15:49:05 | 0.048                     |
| 435        | 07/11/2011 | 15:50:05 | 0.047                     |
| 436        | 07/11/2011 | 15:51:05 | 0.047                     |
| 437        | 07/11/2011 | 15:52:05 | 0.046                     |
| 438        | 07/11/2011 | 15:53:05 | 0.057                     |
| 439        | 07/11/2011 | 15:54:05 | 0.052                     |



# Test 005

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 07/11/2011  |
| Meter S/N  | 85201065  | Start Time       | 08:33:16    |
|            |           | Stop Date        | 07/11/2011  |
|            |           | Stop Time        | 08:48:16    |
|            |           | Total Time       | 0:00:15:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 07/11/2011 | 08:38:16 | 0.072                     |
| 2          | 07/11/2011 | 08:43:16 | 0.075                     |
| 3          | 07/11/2011 | 08:48:16 | 0.075                     |

# Test 006

| Instrument |           | Data Properties  |            |
|------------|-----------|------------------|------------|
| Model      | Dust Trak | Start Date       | 07/12/2011 |
| Meter S/N  | 85201091  | Start Time       | 07:49:20   |
|            |           | Stop Date        | 07/12/2011 |
|            |           | Stop Time        | 16:24:20   |
|            |           | Total Time       | 0:08:35:00 |
|            |           | Logging Interval | 60 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 07/12/2011 | 07:50:20 | 0.252                     |
| 2          | 07/12/2011 | 07:51:20 | 0.031                     |
| 3          | 07/12/2011 | 07:52:20 | 0.032                     |
| 4          | 07/12/2011 | 07:53:20 | 0.031                     |
| 5          | 07/12/2011 | 07:54:20 | 0.030                     |
| 6          | 07/12/2011 | 07:55:20 | 0.030                     |
| 7          | 07/12/2011 | 07:56:20 | 0.030                     |
| 8          | 07/12/2011 | 07:57:20 | 0.029                     |
| 9          | 07/12/2011 | 07:58:20 | 0.032                     |
| 10         | 07/12/2011 | 07:59:20 | 0.030                     |
| 11         | 07/12/2011 | 08:00:20 | 0.029                     |
| 12         | 07/12/2011 | 08:01:20 | 0.032                     |
| 13         | 07/12/2011 | 08:02:20 | 0.028                     |
| 14         | 07/12/2011 | 08:03:20 | 0.030                     |
| 15         | 07/12/2011 | 08:04:20 | 0.030                     |
| 16         | 07/12/2011 | 08:05:20 | 0.029                     |
| 17         | 07/12/2011 | 08:06:20 | 0.028                     |
| 18         | 07/12/2011 | 08:07:20 | 0.030                     |
| 19         | 07/12/2011 | 08:08:20 | 0.029                     |
| 20         | 07/12/2011 | 08:09:20 | 0.028                     |
| 21         | 07/12/2011 | 08:10:20 | 0.029                     |
| 22         | 07/12/2011 | 08:11:20 | 0.027                     |
| 23         | 07/12/2011 | 08:12:20 | 0.028                     |
| 24         | 07/12/2011 | 08:13:20 | 0.029                     |
| 25         | 07/12/2011 | 08:14:20 | 0.029                     |
| 26         | 07/12/2011 | 08:15:20 | 0.032                     |
| 27         | 07/12/2011 | 08:16:20 | 0.029                     |
| 28         | 07/12/2011 | 08:17:20 | 0.029                     |
| 29         | 07/12/2011 | 08:18:20 | 0.030                     |
| 30         | 07/12/2011 | 08:19:20 | 0.029                     |
| 31         | 07/12/2011 | 08:20:20 | 0.031                     |
| 32         | 07/12/2011 | 08:21:20 | 0.029                     |
| 33         | 07/12/2011 | 08:22:20 | 0.030                     |
| 34         | 07/12/2011 | 08:23:20 | 0.029                     |
| 35         | 07/12/2011 | 08:24:20 | 0.029                     |
| 36         | 07/12/2011 | 08:25:20 | 0.029                     |
| 37         | 07/12/2011 | 08:26:20 | 0.029                     |
| 38         | 07/12/2011 | 08:27:20 | 0.028                     |
| 39         | 07/12/2011 | 08:28:20 | 0.032                     |
| 40         | 07/12/2011 | 08:29:20 | 0.029                     |
| 41         | 07/12/2011 | 08:30:20 | 0.028                     |
| 42         | 07/12/2011 | 08:31:20 | 0.028                     |
| 43         | 07/12/2011 | 08:32:20 | 0.028                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 07/12/2011 | 08:33:20 | 0.028                     |
| 45         | 07/12/2011 | 08:34:20 | 0.029                     |
| 46         | 07/12/2011 | 08:35:20 | 0.030                     |
| 47         | 07/12/2011 | 08:36:20 | 0.029                     |
| 48         | 07/12/2011 | 08:37:20 | 0.028                     |
| 49         | 07/12/2011 | 08:38:20 | 0.027                     |
| 50         | 07/12/2011 | 08:39:20 | 0.026                     |
| 51         | 07/12/2011 | 08:40:20 | 0.027                     |
| 52         | 07/12/2011 | 08:41:20 | 0.029                     |
| 53         | 07/12/2011 | 08:42:20 | 0.027                     |
| 54         | 07/12/2011 | 08:43:20 | 0.028                     |
| 55         | 07/12/2011 | 08:44:20 | 0.028                     |
| 56         | 07/12/2011 | 08:45:20 | 0.027                     |
| 57         | 07/12/2011 | 08:46:20 | 0.026                     |
| 58         | 07/12/2011 | 08:47:20 | 0.027                     |
| 59         | 07/12/2011 | 08:48:20 | 0.027                     |
| 60         | 07/12/2011 | 08:49:20 | 0.027                     |
| 61         | 07/12/2011 | 08:50:20 | 0.028                     |
| 62         | 07/12/2011 | 08:51:20 | 0.026                     |
| 63         | 07/12/2011 | 08:52:20 | 0.026                     |
| 64         | 07/12/2011 | 08:53:20 | 0.025                     |
| 65         | 07/12/2011 | 08:54:20 | 0.025                     |
| 66         | 07/12/2011 | 08:55:20 | 0.026                     |
| 67         | 07/12/2011 | 08:56:20 | 0.026                     |
| 68         | 07/12/2011 | 08:57:20 | 0.024                     |
| 69         | 07/12/2011 | 08:58:20 | 0.025                     |
| 70         | 07/12/2011 | 08:59:20 | 0.025                     |
| 71         | 07/12/2011 | 09:00:20 | 0.028                     |
| 72         | 07/12/2011 | 09:01:20 | 0.025                     |
| 73         | 07/12/2011 | 09:02:20 | 0.026                     |
| 74         | 07/12/2011 | 09:03:20 | 0.024                     |
| 75         | 07/12/2011 | 09:04:20 | 0.024                     |
| 76         | 07/12/2011 | 09:05:20 | 0.024                     |
| 77         | 07/12/2011 | 09:06:20 | 0.023                     |
| 78         | 07/12/2011 | 09:07:20 | 0.025                     |
| 79         | 07/12/2011 | 09:08:20 | 0.025                     |
| 80         | 07/12/2011 | 09:09:20 | 0.026                     |
| 81         | 07/12/2011 | 09:10:20 | 0.026                     |
| 82         | 07/12/2011 | 09:11:20 | 0.025                     |
| 83         | 07/12/2011 | 09:12:20 | 0.026                     |
| 84         | 07/12/2011 | 09:13:20 | 0.027                     |
| 85         | 07/12/2011 | 09:14:20 | 0.030                     |
| 86         | 07/12/2011 | 09:15:20 | 0.026                     |
| 87         | 07/12/2011 | 09:16:20 | 0.026                     |
| 88         | 07/12/2011 | 09:17:20 | 0.027                     |
| 89         | 07/12/2011 | 09:18:20 | 0.028                     |
| 90         | 07/12/2011 | 09:19:20 | 0.026                     |
| 91         | 07/12/2011 | 09:20:20 | 0.026                     |
| 92         | 07/12/2011 | 09:21:20 | 0.028                     |
| 93         | 07/12/2011 | 09:22:20 | 0.028                     |
| 94         | 07/12/2011 | 09:23:20 | 0.030                     |
| 95         | 07/12/2011 | 09:24:20 | 0.028                     |
| 96         | 07/12/2011 | 09:25:20 | 0.027                     |
| 97         | 07/12/2011 | 09:26:20 | 0.030                     |
| 98         | 07/12/2011 | 09:27:20 | 0.028                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 99         | 07/12/2011 | 09:28:20 | 0.029                     |
| 100        | 07/12/2011 | 09:29:20 | 0.029                     |
| 101        | 07/12/2011 | 09:30:20 | 0.030                     |
| 102        | 07/12/2011 | 09:31:20 | 0.029                     |
| 103        | 07/12/2011 | 09:32:20 | 0.031                     |
| 104        | 07/12/2011 | 09:33:20 | 0.033                     |
| 105        | 07/12/2011 | 09:34:20 | 0.031                     |
| 106        | 07/12/2011 | 09:35:20 | 0.031                     |
| 107        | 07/12/2011 | 09:36:20 | 0.032                     |
| 108        | 07/12/2011 | 09:37:20 | 0.033                     |
| 109        | 07/12/2011 | 09:38:20 | 0.031                     |
| 110        | 07/12/2011 | 09:39:20 | 0.031                     |
| 111        | 07/12/2011 | 09:40:20 | 0.030                     |
| 112        | 07/12/2011 | 09:41:20 | 0.029                     |
| 113        | 07/12/2011 | 09:42:20 | 0.030                     |
| 114        | 07/12/2011 | 09:43:20 | 0.029                     |
| 115        | 07/12/2011 | 09:44:20 | 0.029                     |
| 116        | 07/12/2011 | 09:45:20 | 0.030                     |
| 117        | 07/12/2011 | 09:46:20 | 0.030                     |
| 118        | 07/12/2011 | 09:47:20 | 0.029                     |
| 119        | 07/12/2011 | 09:48:20 | 0.029                     |
| 120        | 07/12/2011 | 09:49:20 | 0.030                     |
| 121        | 07/12/2011 | 09:50:20 | 0.029                     |
| 122        | 07/12/2011 | 09:51:20 | 0.030                     |
| 123        | 07/12/2011 | 09:52:20 | 0.027                     |
| 124        | 07/12/2011 | 09:53:20 | 0.029                     |
| 125        | 07/12/2011 | 09:54:20 | 0.028                     |
| 126        | 07/12/2011 | 09:55:20 | 0.028                     |
| 127        | 07/12/2011 | 09:56:20 | 0.027                     |
| 128        | 07/12/2011 | 09:57:20 | 0.026                     |
| 129        | 07/12/2011 | 09:58:20 | 0.026                     |
| 130        | 07/12/2011 | 09:59:20 | 0.027                     |
| 131        | 07/12/2011 | 10:00:20 | 0.028                     |
| 132        | 07/12/2011 | 10:01:20 | 0.027                     |
| 133        | 07/12/2011 | 10:02:20 | 0.027                     |
| 134        | 07/12/2011 | 10:03:20 | 0.027                     |
| 135        | 07/12/2011 | 10:04:20 | 0.027                     |
| 136        | 07/12/2011 | 10:05:20 | 0.028                     |
| 137        | 07/12/2011 | 10:06:20 | 0.028                     |
| 138        | 07/12/2011 | 10:07:20 | 0.026                     |
| 139        | 07/12/2011 | 10:08:20 | 0.027                     |
| 140        | 07/12/2011 | 10:09:20 | 0.027                     |
| 141        | 07/12/2011 | 10:10:20 | 0.027                     |
| 142        | 07/12/2011 | 10:11:20 | 0.027                     |
| 143        | 07/12/2011 | 10:12:20 | 0.027                     |
| 144        | 07/12/2011 | 10:13:20 | 0.027                     |
| 145        | 07/12/2011 | 10:14:20 | 0.028                     |
| 146        | 07/12/2011 | 10:15:20 | 0.027                     |
| 147        | 07/12/2011 | 10:16:20 | 0.029                     |
| 148        | 07/12/2011 | 10:17:20 | 0.029                     |
| 149        | 07/12/2011 | 10:18:20 | 0.029                     |
| 150        | 07/12/2011 | 10:19:20 | 0.029                     |
| 151        | 07/12/2011 | 10:20:20 | 0.028                     |
| 152        | 07/12/2011 | 10:21:20 | 0.028                     |
| 153        | 07/12/2011 | 10:22:20 | 0.029                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 154        | 07/12/2011 | 10:23:20 | 0.028                     |
| 155        | 07/12/2011 | 10:24:20 | 0.030                     |
| 156        | 07/12/2011 | 10:25:20 | 0.029                     |
| 157        | 07/12/2011 | 10:26:20 | 0.028                     |
| 158        | 07/12/2011 | 10:27:20 | 0.028                     |
| 159        | 07/12/2011 | 10:28:20 | 0.028                     |
| 160        | 07/12/2011 | 10:29:20 | 0.027                     |
| 161        | 07/12/2011 | 10:30:20 | 0.029                     |
| 162        | 07/12/2011 | 10:31:20 | 0.026                     |
| 163        | 07/12/2011 | 10:32:20 | 0.029                     |
| 164        | 07/12/2011 | 10:33:20 | 0.028                     |
| 165        | 07/12/2011 | 10:34:20 | 0.027                     |
| 166        | 07/12/2011 | 10:35:20 | 0.028                     |
| 167        | 07/12/2011 | 10:36:20 | 0.027                     |
| 168        | 07/12/2011 | 10:37:20 | 0.028                     |
| 169        | 07/12/2011 | 10:38:20 | 0.027                     |
| 170        | 07/12/2011 | 10:39:20 | 0.026                     |
| 171        | 07/12/2011 | 10:40:20 | 0.027                     |
| 172        | 07/12/2011 | 10:41:20 | 0.028                     |
| 173        | 07/12/2011 | 10:42:20 | 0.027                     |
| 174        | 07/12/2011 | 10:43:20 | 0.027                     |
| 175        | 07/12/2011 | 10:44:20 | 0.028                     |
| 176        | 07/12/2011 | 10:45:20 | 0.028                     |
| 177        | 07/12/2011 | 10:46:20 | 0.028                     |
| 178        | 07/12/2011 | 10:47:20 | 0.028                     |
| 179        | 07/12/2011 | 10:48:20 | 0.029                     |
| 180        | 07/12/2011 | 10:49:20 | 0.029                     |
| 181        | 07/12/2011 | 10:50:20 | 0.029                     |
| 182        | 07/12/2011 | 10:51:20 | 0.027                     |
| 183        | 07/12/2011 | 10:52:20 | 0.027                     |
| 184        | 07/12/2011 | 10:53:20 | 0.029                     |
| 185        | 07/12/2011 | 10:54:20 | 0.029                     |
| 186        | 07/12/2011 | 10:55:20 | 0.033                     |
| 187        | 07/12/2011 | 10:56:20 | 0.031                     |
| 188        | 07/12/2011 | 10:57:20 | 0.029                     |
| 189        | 07/12/2011 | 10:58:20 | 0.027                     |
| 190        | 07/12/2011 | 10:59:20 | 0.027                     |
| 191        | 07/12/2011 | 11:00:20 | 0.028                     |
| 192        | 07/12/2011 | 11:01:20 | 0.027                     |
| 193        | 07/12/2011 | 11:02:20 | 0.030                     |
| 194        | 07/12/2011 | 11:03:20 | 0.029                     |
| 195        | 07/12/2011 | 11:04:20 | 0.029                     |
| 196        | 07/12/2011 | 11:05:20 | 0.029                     |
| 197        | 07/12/2011 | 11:06:20 | 0.029                     |
| 198        | 07/12/2011 | 11:07:20 | 0.030                     |
| 199        | 07/12/2011 | 11:08:20 | 0.030                     |
| 200        | 07/12/2011 | 11:09:20 | 0.030                     |
| 201        | 07/12/2011 | 11:10:20 | 0.029                     |
| 202        | 07/12/2011 | 11:11:20 | 0.030                     |
| 203        | 07/12/2011 | 11:12:20 | 0.027                     |
| 204        | 07/12/2011 | 11:13:20 | 0.029                     |
| 205        | 07/12/2011 | 11:14:20 | 0.026                     |
| 206        | 07/12/2011 | 11:15:20 | 0.027                     |
| 207        | 07/12/2011 | 11:16:20 | 0.026                     |
| 208        | 07/12/2011 | 11:17:20 | 0.030                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 209        | 07/12/2011 | 11:18:20 | 0.029                     |
| 210        | 07/12/2011 | 11:19:20 | 0.032                     |
| 211        | 07/12/2011 | 11:20:20 | 0.030                     |
| 212        | 07/12/2011 | 11:21:20 | 0.030                     |
| 213        | 07/12/2011 | 11:22:20 | 0.033                     |
| 214        | 07/12/2011 | 11:23:20 | 0.032                     |
| 215        | 07/12/2011 | 11:24:20 | 0.032                     |
| 216        | 07/12/2011 | 11:25:20 | 0.032                     |
| 217        | 07/12/2011 | 11:26:20 | 0.037                     |
| 218        | 07/12/2011 | 11:27:20 | 0.028                     |
| 219        | 07/12/2011 | 11:28:20 | 0.032                     |
| 220        | 07/12/2011 | 11:29:20 | 0.030                     |
| 221        | 07/12/2011 | 11:30:20 | 0.029                     |
| 222        | 07/12/2011 | 11:31:20 | 0.033                     |
| 223        | 07/12/2011 | 11:32:20 | 0.030                     |
| 224        | 07/12/2011 | 11:33:20 | 0.029                     |
| 225        | 07/12/2011 | 11:34:20 | 0.028                     |
| 226        | 07/12/2011 | 11:35:20 | 0.028                     |
| 227        | 07/12/2011 | 11:36:20 | 0.029                     |
| 228        | 07/12/2011 | 11:37:20 | 0.030                     |
| 229        | 07/12/2011 | 11:38:20 | 0.028                     |
| 230        | 07/12/2011 | 11:39:20 | 0.028                     |
| 231        | 07/12/2011 | 11:40:20 | 0.028                     |
| 232        | 07/12/2011 | 11:41:20 | 0.028                     |
| 233        | 07/12/2011 | 11:42:20 | 0.031                     |
| 234        | 07/12/2011 | 11:43:20 | 0.029                     |
| 235        | 07/12/2011 | 11:44:20 | 0.027                     |
| 236        | 07/12/2011 | 11:45:20 | 0.034                     |
| 237        | 07/12/2011 | 11:46:20 | 0.027                     |
| 238        | 07/12/2011 | 11:47:20 | 0.030                     |
| 239        | 07/12/2011 | 11:48:20 | 0.030                     |
| 240        | 07/12/2011 | 11:49:20 | 0.029                     |
| 241        | 07/12/2011 | 11:50:20 | 0.028                     |
| 242        | 07/12/2011 | 11:51:20 | 0.025                     |
| 243        | 07/12/2011 | 11:52:20 | 0.027                     |
| 244        | 07/12/2011 | 11:53:20 | 0.028                     |
| 245        | 07/12/2011 | 11:54:20 | 0.026                     |
| 246        | 07/12/2011 | 11:55:20 | 0.026                     |
| 247        | 07/12/2011 | 11:56:20 | 0.029                     |
| 248        | 07/12/2011 | 11:57:20 | 0.027                     |
| 249        | 07/12/2011 | 11:58:20 | 0.027                     |
| 250        | 07/12/2011 | 11:59:20 | 0.029                     |
| 251        | 07/12/2011 | 12:00:20 | 0.027                     |
| 252        | 07/12/2011 | 12:01:20 | 0.027                     |
| 253        | 07/12/2011 | 12:02:20 | 0.029                     |
| 254        | 07/12/2011 | 12:03:20 | 0.027                     |
| 255        | 07/12/2011 | 12:04:20 | 0.029                     |
| 256        | 07/12/2011 | 12:05:20 | 0.026                     |
| 257        | 07/12/2011 | 12:06:20 | 0.025                     |
| 258        | 07/12/2011 | 12:07:20 | 0.027                     |
| 259        | 07/12/2011 | 12:08:20 | 0.025                     |
| 260        | 07/12/2011 | 12:09:20 | 0.024                     |
| 261        | 07/12/2011 | 12:10:20 | 0.026                     |
| 262        | 07/12/2011 | 12:11:20 | 0.026                     |
| 263        | 07/12/2011 | 12:12:20 | 0.024                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 264        | 07/12/2011 | 12:13:20 | 0.026                     |
| 265        | 07/12/2011 | 12:14:20 | 0.027                     |
| 266        | 07/12/2011 | 12:15:20 | 0.026                     |
| 267        | 07/12/2011 | 12:16:20 | 0.026                     |
| 268        | 07/12/2011 | 12:17:20 | 0.027                     |
| 269        | 07/12/2011 | 12:18:20 | 0.026                     |
| 270        | 07/12/2011 | 12:19:20 | 0.025                     |
| 271        | 07/12/2011 | 12:20:20 | 0.023                     |
| 272        | 07/12/2011 | 12:21:20 | 0.026                     |
| 273        | 07/12/2011 | 12:22:20 | 0.028                     |
| 274        | 07/12/2011 | 12:23:20 | 0.023                     |
| 275        | 07/12/2011 | 12:24:20 | 0.022                     |
| 276        | 07/12/2011 | 12:25:20 | 0.023                     |
| 277        | 07/12/2011 | 12:26:20 | 0.024                     |
| 278        | 07/12/2011 | 12:27:20 | 0.024                     |
| 279        | 07/12/2011 | 12:28:20 | 0.023                     |
| 280        | 07/12/2011 | 12:29:20 | 0.022                     |
| 281        | 07/12/2011 | 12:30:20 | 0.020                     |
| 282        | 07/12/2011 | 12:31:20 | 0.021                     |
| 283        | 07/12/2011 | 12:32:20 | 0.020                     |
| 284        | 07/12/2011 | 12:33:20 | 0.021                     |
| 285        | 07/12/2011 | 12:34:20 | 0.021                     |
| 286        | 07/12/2011 | 12:35:20 | 0.021                     |
| 287        | 07/12/2011 | 12:36:20 | 0.022                     |
| 288        | 07/12/2011 | 12:37:20 | 0.020                     |
| 289        | 07/12/2011 | 12:38:20 | 0.019                     |
| 290        | 07/12/2011 | 12:39:20 | 0.018                     |
| 291        | 07/12/2011 | 12:40:20 | 0.019                     |
| 292        | 07/12/2011 | 12:41:20 | 0.019                     |
| 293        | 07/12/2011 | 12:42:20 | 0.020                     |
| 294        | 07/12/2011 | 12:43:20 | 0.020                     |
| 295        | 07/12/2011 | 12:44:20 | 0.020                     |
| 296        | 07/12/2011 | 12:45:20 | 0.019                     |
| 297        | 07/12/2011 | 12:46:20 | 0.018                     |
| 298        | 07/12/2011 | 12:47:20 | 0.020                     |
| 299        | 07/12/2011 | 12:48:20 | 0.021                     |
| 300        | 07/12/2011 | 12:49:20 | 0.019                     |
| 301        | 07/12/2011 | 12:50:20 | 0.019                     |
| 302        | 07/12/2011 | 12:51:20 | 0.020                     |
| 303        | 07/12/2011 | 12:52:20 | 0.018                     |
| 304        | 07/12/2011 | 12:53:20 | 0.019                     |
| 305        | 07/12/2011 | 12:54:20 | 0.019                     |
| 306        | 07/12/2011 | 12:55:20 | 0.020                     |
| 307        | 07/12/2011 | 12:56:20 | 0.026                     |
| 308        | 07/12/2011 | 12:57:20 | 0.020                     |
| 309        | 07/12/2011 | 12:58:20 | 0.021                     |
| 310        | 07/12/2011 | 12:59:20 | 0.021                     |
| 311        | 07/12/2011 | 13:00:20 | 0.020                     |
| 312        | 07/12/2011 | 13:01:20 | 0.021                     |
| 313        | 07/12/2011 | 13:02:20 | 0.023                     |
| 314        | 07/12/2011 | 13:03:20 | 0.021                     |
| 315        | 07/12/2011 | 13:04:20 | 0.021                     |
| 316        | 07/12/2011 | 13:05:20 | 0.022                     |
| 317        | 07/12/2011 | 13:06:20 | 0.022                     |
| 318        | 07/12/2011 | 13:07:20 | 0.020                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 319        | 07/12/2011 | 13:08:20 | 0.019                     |
| 320        | 07/12/2011 | 13:09:20 | 0.021                     |
| 321        | 07/12/2011 | 13:10:20 | 0.020                     |
| 322        | 07/12/2011 | 13:11:20 | 0.020                     |
| 323        | 07/12/2011 | 13:12:20 | 0.019                     |
| 324        | 07/12/2011 | 13:13:20 | 0.018                     |
| 325        | 07/12/2011 | 13:14:20 | 0.018                     |
| 326        | 07/12/2011 | 13:15:20 | 0.018                     |
| 327        | 07/12/2011 | 13:16:20 | 0.019                     |
| 328        | 07/12/2011 | 13:17:20 | 0.018                     |
| 329        | 07/12/2011 | 13:18:20 | 0.018                     |
| 330        | 07/12/2011 | 13:19:20 | 0.025                     |
| 331        | 07/12/2011 | 13:20:20 | 0.021                     |
| 332        | 07/12/2011 | 13:21:20 | 0.017                     |
| 333        | 07/12/2011 | 13:22:20 | 0.017                     |
| 334        | 07/12/2011 | 13:23:20 | 0.018                     |
| 335        | 07/12/2011 | 13:24:20 | 0.017                     |
| 336        | 07/12/2011 | 13:25:20 | 0.022                     |
| 337        | 07/12/2011 | 13:26:20 | 0.018                     |
| 338        | 07/12/2011 | 13:27:20 | 0.020                     |
| 339        | 07/12/2011 | 13:28:20 | 0.021                     |
| 340        | 07/12/2011 | 13:29:20 | 0.019                     |
| 341        | 07/12/2011 | 13:30:20 | 0.019                     |
| 342        | 07/12/2011 | 13:31:20 | 0.018                     |
| 343        | 07/12/2011 | 13:32:20 | 0.019                     |
| 344        | 07/12/2011 | 13:33:20 | 0.020                     |
| 345        | 07/12/2011 | 13:34:20 | 0.022                     |
| 346        | 07/12/2011 | 13:35:20 | 0.023                     |
| 347        | 07/12/2011 | 13:36:20 | 0.023                     |
| 348        | 07/12/2011 | 13:37:20 | 0.020                     |
| 349        | 07/12/2011 | 13:38:20 | 0.021                     |
| 350        | 07/12/2011 | 13:39:20 | 0.024                     |
| 351        | 07/12/2011 | 13:40:20 | 0.019                     |
| 352        | 07/12/2011 | 13:41:20 | 0.024                     |
| 353        | 07/12/2011 | 13:42:20 | 0.019                     |
| 354        | 07/12/2011 | 13:43:20 | 0.017                     |
| 355        | 07/12/2011 | 13:44:20 | 0.019                     |
| 356        | 07/12/2011 | 13:45:20 | 0.018                     |
| 357        | 07/12/2011 | 13:46:20 | 0.017                     |
| 358        | 07/12/2011 | 13:47:20 | 0.021                     |
| 359        | 07/12/2011 | 13:48:20 | 0.019                     |
| 360        | 07/12/2011 | 13:49:20 | 0.020                     |
| 361        | 07/12/2011 | 13:50:20 | 0.018                     |
| 362        | 07/12/2011 | 13:51:20 | 0.017                     |
| 363        | 07/12/2011 | 13:52:20 | 0.017                     |
| 364        | 07/12/2011 | 13:53:20 | 0.019                     |
| 365        | 07/12/2011 | 13:54:20 | 0.031                     |
| 366        | 07/12/2011 | 13:55:20 | 0.026                     |
| 367        | 07/12/2011 | 13:56:20 | 0.017                     |
| 368        | 07/12/2011 | 13:57:20 | 0.017                     |
| 369        | 07/12/2011 | 13:58:20 | 0.017                     |
| 370        | 07/12/2011 | 13:59:20 | 0.024                     |
| 371        | 07/12/2011 | 14:00:20 | 0.019                     |
| 372        | 07/12/2011 | 14:01:20 | 0.017                     |
| 373        | 07/12/2011 | 14:02:20 | 0.019                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 374        | 07/12/2011 | 14:03:20 | 0.020                     |
| 375        | 07/12/2011 | 14:04:20 | 0.018                     |
| 376        | 07/12/2011 | 14:05:20 | 0.016                     |
| 377        | 07/12/2011 | 14:06:20 | 0.016                     |
| 378        | 07/12/2011 | 14:07:20 | 0.016                     |
| 379        | 07/12/2011 | 14:08:20 | 0.019                     |
| 380        | 07/12/2011 | 14:09:20 | 0.018                     |
| 381        | 07/12/2011 | 14:10:20 | 0.018                     |
| 382        | 07/12/2011 | 14:11:20 | 0.017                     |
| 383        | 07/12/2011 | 14:12:20 | 0.018                     |
| 384        | 07/12/2011 | 14:13:20 | 0.018                     |
| 385        | 07/12/2011 | 14:14:20 | 0.018                     |
| 386        | 07/12/2011 | 14:15:20 | 0.017                     |
| 387        | 07/12/2011 | 14:16:20 | 0.018                     |
| 388        | 07/12/2011 | 14:17:20 | 0.018                     |
| 389        | 07/12/2011 | 14:18:20 | 0.017                     |
| 390        | 07/12/2011 | 14:19:20 | 0.020                     |
| 391        | 07/12/2011 | 14:20:20 | 0.017                     |
| 392        | 07/12/2011 | 14:21:20 | 0.020                     |
| 393        | 07/12/2011 | 14:22:20 | 0.019                     |
| 394        | 07/12/2011 | 14:23:20 | 0.019                     |
| 395        | 07/12/2011 | 14:24:20 | 0.018                     |
| 396        | 07/12/2011 | 14:25:20 | 0.018                     |
| 397        | 07/12/2011 | 14:26:20 | 0.017                     |
| 398        | 07/12/2011 | 14:27:20 | 0.018                     |
| 399        | 07/12/2011 | 14:28:20 | 0.017                     |
| 400        | 07/12/2011 | 14:29:20 | 0.019                     |
| 401        | 07/12/2011 | 14:30:20 | 0.017                     |
| 402        | 07/12/2011 | 14:31:20 | 0.019                     |
| 403        | 07/12/2011 | 14:32:20 | 0.019                     |
| 404        | 07/12/2011 | 14:33:20 | 0.017                     |
| 405        | 07/12/2011 | 14:34:20 | 0.018                     |
| 406        | 07/12/2011 | 14:35:20 | 0.019                     |
| 407        | 07/12/2011 | 14:36:20 | 0.017                     |
| 408        | 07/12/2011 | 14:37:20 | 0.018                     |
| 409        | 07/12/2011 | 14:38:20 | 0.019                     |
| 410        | 07/12/2011 | 14:39:20 | 0.019                     |
| 411        | 07/12/2011 | 14:40:20 | 0.019                     |
| 412        | 07/12/2011 | 14:41:20 | 0.018                     |
| 413        | 07/12/2011 | 14:42:20 | 0.018                     |
| 414        | 07/12/2011 | 14:43:20 | 0.016                     |
| 415        | 07/12/2011 | 14:44:20 | 0.016                     |
| 416        | 07/12/2011 | 14:45:20 | 0.019                     |
| 417        | 07/12/2011 | 14:46:20 | 0.016                     |
| 418        | 07/12/2011 | 14:47:20 | 0.017                     |
| 419        | 07/12/2011 | 14:48:20 | 0.019                     |
| 420        | 07/12/2011 | 14:49:20 | 0.020                     |
| 421        | 07/12/2011 | 14:50:20 | 0.018                     |
| 422        | 07/12/2011 | 14:51:20 | 0.017                     |
| 423        | 07/12/2011 | 14:52:20 | 0.018                     |
| 424        | 07/12/2011 | 14:53:20 | 0.020                     |
| 425        | 07/12/2011 | 14:54:20 | 0.020                     |
| 426        | 07/12/2011 | 14:55:20 | 0.020                     |
| 427        | 07/12/2011 | 14:56:20 | 0.022                     |
| 428        | 07/12/2011 | 14:57:20 | 0.020                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 429        | 07/12/2011 | 14:58:20 | 0.019                     |
| 430        | 07/12/2011 | 14:59:20 | 0.020                     |
| 431        | 07/12/2011 | 15:00:20 | 0.019                     |
| 432        | 07/12/2011 | 15:01:20 | 0.018                     |
| 433        | 07/12/2011 | 15:02:20 | 0.021                     |
| 434        | 07/12/2011 | 15:03:20 | 0.022                     |
| 435        | 07/12/2011 | 15:04:20 | 0.021                     |
| 436        | 07/12/2011 | 15:05:20 | 0.021                     |
| 437        | 07/12/2011 | 15:06:20 | 0.019                     |
| 438        | 07/12/2011 | 15:07:20 | 0.021                     |
| 439        | 07/12/2011 | 15:08:20 | 0.019                     |
| 440        | 07/12/2011 | 15:09:20 | 0.020                     |
| 441        | 07/12/2011 | 15:10:20 | 0.022                     |
| 442        | 07/12/2011 | 15:11:20 | 0.018                     |
| 443        | 07/12/2011 | 15:12:20 | 0.020                     |
| 444        | 07/12/2011 | 15:13:20 | 0.018                     |
| 445        | 07/12/2011 | 15:14:20 | 0.018                     |
| 446        | 07/12/2011 | 15:15:20 | 0.019                     |
| 447        | 07/12/2011 | 15:16:20 | 0.019                     |
| 448        | 07/12/2011 | 15:17:20 | 0.019                     |
| 449        | 07/12/2011 | 15:18:20 | 0.019                     |
| 450        | 07/12/2011 | 15:19:20 | 0.020                     |
| 451        | 07/12/2011 | 15:20:20 | 0.022                     |
| 452        | 07/12/2011 | 15:21:20 | 0.019                     |
| 453        | 07/12/2011 | 15:22:20 | 0.026                     |
| 454        | 07/12/2011 | 15:23:20 | 0.021                     |
| 455        | 07/12/2011 | 15:24:20 | 0.020                     |
| 456        | 07/12/2011 | 15:25:20 | 0.021                     |
| 457        | 07/12/2011 | 15:26:20 | 0.021                     |
| 458        | 07/12/2011 | 15:27:20 | 0.021                     |
| 459        | 07/12/2011 | 15:28:20 | 0.019                     |
| 460        | 07/12/2011 | 15:29:20 | 0.020                     |
| 461        | 07/12/2011 | 15:30:20 | 0.019                     |
| 462        | 07/12/2011 | 15:31:20 | 0.020                     |
| 463        | 07/12/2011 | 15:32:20 | 0.020                     |
| 464        | 07/12/2011 | 15:33:20 | 0.021                     |
| 465        | 07/12/2011 | 15:34:20 | 0.020                     |
| 466        | 07/12/2011 | 15:35:20 | 0.020                     |
| 467        | 07/12/2011 | 15:36:20 | 0.018                     |
| 468        | 07/12/2011 | 15:37:20 | 0.021                     |
| 469        | 07/12/2011 | 15:38:20 | 0.020                     |
| 470        | 07/12/2011 | 15:39:20 | 0.018                     |
| 471        | 07/12/2011 | 15:40:20 | 0.020                     |
| 472        | 07/12/2011 | 15:41:20 | 0.022                     |
| 473        | 07/12/2011 | 15:42:20 | 0.019                     |
| 474        | 07/12/2011 | 15:43:20 | 0.019                     |
| 475        | 07/12/2011 | 15:44:20 | 0.021                     |
| 476        | 07/12/2011 | 15:45:20 | 0.023                     |
| 477        | 07/12/2011 | 15:46:20 | 0.017                     |
| 478        | 07/12/2011 | 15:47:20 | 0.022                     |
| 479        | 07/12/2011 | 15:48:20 | 0.018                     |
| 480        | 07/12/2011 | 15:49:20 | 0.019                     |
| 481        | 07/12/2011 | 15:50:20 | 0.017                     |
| 482        | 07/12/2011 | 15:51:20 | 0.020                     |
| 483        | 07/12/2011 | 15:52:20 | 0.017                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 484        | 07/12/2011 | 15:53:20 | 0.021                     |
| 485        | 07/12/2011 | 15:54:20 | 0.018                     |
| 486        | 07/12/2011 | 15:55:20 | 0.024                     |
| 487        | 07/12/2011 | 15:56:20 | 0.029                     |
| 488        | 07/12/2011 | 15:57:20 | 0.019                     |
| 489        | 07/12/2011 | 15:58:20 | 0.019                     |
| 490        | 07/12/2011 | 15:59:20 | 0.017                     |
| 491        | 07/12/2011 | 16:00:20 | 0.018                     |
| 492        | 07/12/2011 | 16:01:20 | 0.017                     |
| 493        | 07/12/2011 | 16:02:20 | 0.017                     |
| 494        | 07/12/2011 | 16:03:20 | 0.039                     |
| 495        | 07/12/2011 | 16:04:20 | 0.023                     |
| 496        | 07/12/2011 | 16:05:20 | 0.031                     |
| 497        | 07/12/2011 | 16:06:20 | 0.022                     |
| 498        | 07/12/2011 | 16:07:20 | 0.017                     |
| 499        | 07/12/2011 | 16:08:20 | 0.029                     |
| 500        | 07/12/2011 | 16:09:20 | 0.021                     |
| 501        | 07/12/2011 | 16:10:20 | 0.020                     |
| 502        | 07/12/2011 | 16:11:20 | 0.020                     |
| 503        | 07/12/2011 | 16:12:20 | 0.019                     |
| 504        | 07/12/2011 | 16:13:20 | 0.017                     |
| 505        | 07/12/2011 | 16:14:20 | 0.020                     |
| 506        | 07/12/2011 | 16:15:20 | 0.019                     |
| 507        | 07/12/2011 | 16:16:20 | 0.019                     |
| 508        | 07/12/2011 | 16:17:20 | 0.019                     |
| 509        | 07/12/2011 | 16:18:20 | 0.018                     |
| 510        | 07/12/2011 | 16:19:20 | 0.019                     |
| 511        | 07/12/2011 | 16:20:20 | 0.020                     |
| 512        | 07/12/2011 | 16:21:20 | 0.020                     |
| 513        | 07/12/2011 | 16:22:20 | 0.019                     |
| 514        | 07/12/2011 | 16:23:20 | 0.018                     |
| 515        | 07/12/2011 | 16:24:20 | 0.018                     |

# Test 006

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 07/12/2011  |
| Meter S/N  | 85201065  | Start Time       | 07:50:18    |
|            |           | Stop Date        | 07/12/2011  |
|            |           | Stop Time        | 16:25:18    |
|            |           | Total Time       | 0:08:35:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 07/12/2011 | 07:55:18 | 0.027                     |
| 2          | 07/12/2011 | 08:00:18 | 0.033                     |
| 3          | 07/12/2011 | 08:05:18 | 0.031                     |
| 4          | 07/12/2011 | 08:10:18 | 0.029                     |
| 5          | 07/12/2011 | 08:15:18 | 0.028                     |
| 6          | 07/12/2011 | 08:20:18 | 0.029                     |
| 7          | 07/12/2011 | 08:25:18 | 0.050                     |
| 8          | 07/12/2011 | 08:30:18 | 0.063                     |
| 9          | 07/12/2011 | 08:35:18 | 0.038                     |
| 10         | 07/12/2011 | 08:40:18 | 0.025                     |
| 11         | 07/12/2011 | 08:45:18 | 0.032                     |
| 12         | 07/12/2011 | 08:50:18 | 0.025                     |
| 13         | 07/12/2011 | 08:55:18 | 0.023                     |
| 14         | 07/12/2011 | 09:00:18 | 0.023                     |
| 15         | 07/12/2011 | 09:05:18 | 0.021                     |
| 16         | 07/12/2011 | 09:10:18 | 0.025                     |
| 17         | 07/12/2011 | 09:15:18 | 0.028                     |
| 18         | 07/12/2011 | 09:20:18 | 0.026                     |
| 19         | 07/12/2011 | 09:25:18 | 0.030                     |
| 20         | 07/12/2011 | 09:30:18 | 0.028                     |
| 21         | 07/12/2011 | 09:35:18 | 0.031                     |
| 22         | 07/12/2011 | 09:40:18 | 0.033                     |
| 23         | 07/12/2011 | 09:45:18 | 0.029                     |
| 24         | 07/12/2011 | 09:50:18 | 0.027                     |
| 25         | 07/12/2011 | 09:55:18 | 0.025                     |
| 26         | 07/12/2011 | 10:00:18 | 0.023                     |
| 27         | 07/12/2011 | 10:05:18 | 0.023                     |
| 28         | 07/12/2011 | 10:10:18 | 0.025                     |
| 29         | 07/12/2011 | 10:15:18 | 0.024                     |
| 30         | 07/12/2011 | 10:20:18 | 0.028                     |
| 31         | 07/12/2011 | 10:25:18 | 0.025                     |
| 32         | 07/12/2011 | 10:30:18 | 0.025                     |
| 33         | 07/12/2011 | 10:35:18 | 0.025                     |
| 34         | 07/12/2011 | 10:40:18 | 0.027                     |
| 35         | 07/12/2011 | 10:45:18 | 0.025                     |
| 36         | 07/12/2011 | 10:50:18 | 0.026                     |
| 37         | 07/12/2011 | 10:55:18 | 0.035                     |
| 38         | 07/12/2011 | 11:00:18 | 0.032                     |
| 39         | 07/12/2011 | 11:05:18 | 0.027                     |
| 40         | 07/12/2011 | 11:10:18 | 0.026                     |
| 41         | 07/12/2011 | 11:15:18 | 0.029                     |
| 42         | 07/12/2011 | 11:20:18 | 0.025                     |
| 43         | 07/12/2011 | 11:25:18 | 0.028                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 07/12/2011 | 11:30:18 | 0.043                     |
| 45         | 07/12/2011 | 11:35:18 | 0.025                     |
| 46         | 07/12/2011 | 11:40:18 | 0.026                     |
| 47         | 07/12/2011 | 11:45:18 | 0.026                     |
| 48         | 07/12/2011 | 11:50:18 | 0.133                     |
| 49         | 07/12/2011 | 11:55:18 | 0.045                     |
| 50         | 07/12/2011 | 12:00:18 | 0.031                     |
| 51         | 07/12/2011 | 12:05:18 | 0.024                     |
| 52         | 07/12/2011 | 12:10:18 | 0.022                     |
| 53         | 07/12/2011 | 12:15:18 | 0.048                     |
| 54         | 07/12/2011 | 12:20:18 | 0.021                     |
| 55         | 07/12/2011 | 12:25:18 | 0.023                     |
| 56         | 07/12/2011 | 12:30:18 | 0.020                     |
| 57         | 07/12/2011 | 12:35:18 | 0.058                     |
| 58         | 07/12/2011 | 12:40:18 | 0.016                     |
| 59         | 07/12/2011 | 12:45:18 | 0.016                     |
| 60         | 07/12/2011 | 12:50:18 | 0.027                     |
| 61         | 07/12/2011 | 12:55:18 | 0.018                     |
| 62         | 07/12/2011 | 13:00:18 | 0.027                     |
| 63         | 07/12/2011 | 13:05:18 | 0.070                     |
| 64         | 07/12/2011 | 13:10:18 | 0.031                     |
| 65         | 07/12/2011 | 13:15:18 | 0.373                     |
| 66         | 07/12/2011 | 13:20:18 | 0.045                     |
| 67         | 07/12/2011 | 13:25:18 | 0.015                     |
| 68         | 07/12/2011 | 13:30:18 | 0.015                     |
| 69         | 07/12/2011 | 13:35:18 | 0.033                     |
| 70         | 07/12/2011 | 13:40:18 | 0.087                     |
| 71         | 07/12/2011 | 13:45:18 | 0.025                     |
| 72         | 07/12/2011 | 13:50:18 | 0.115                     |
| 73         | 07/12/2011 | 13:55:18 | 0.043                     |
| 74         | 07/12/2011 | 14:00:18 | 0.018                     |
| 75         | 07/12/2011 | 14:05:18 | 0.029                     |
| 76         | 07/12/2011 | 14:10:18 | 0.098                     |
| 77         | 07/12/2011 | 14:15:18 | 0.031                     |
| 78         | 07/12/2011 | 14:20:18 | 0.051                     |
| 79         | 07/12/2011 | 14:25:18 | 0.052                     |
| 80         | 07/12/2011 | 14:30:18 | 0.014                     |
| 81         | 07/12/2011 | 14:35:18 | 0.120                     |
| 82         | 07/12/2011 | 14:40:18 | 0.031                     |
| 83         | 07/12/2011 | 14:45:18 | 0.026                     |
| 84         | 07/12/2011 | 14:50:18 | 0.019                     |
| 85         | 07/12/2011 | 14:55:18 | 0.016                     |
| 86         | 07/12/2011 | 15:00:18 | 0.056                     |
| 87         | 07/12/2011 | 15:05:18 | 0.024                     |
| 88         | 07/12/2011 | 15:10:18 | 0.019                     |
| 89         | 07/12/2011 | 15:15:18 | 0.014                     |
| 90         | 07/12/2011 | 15:20:18 | 0.039                     |
| 91         | 07/12/2011 | 15:25:18 | 0.017                     |
| 92         | 07/12/2011 | 15:30:18 | 0.037                     |
| 93         | 07/12/2011 | 15:35:18 | 0.016                     |
| 94         | 07/12/2011 | 15:40:18 | 0.082                     |
| 95         | 07/12/2011 | 15:45:18 | 0.015                     |
| 96         | 07/12/2011 | 15:50:18 | 0.019                     |
| 97         | 07/12/2011 | 15:55:18 | 0.034                     |
| 98         | 07/12/2011 | 16:00:18 | 0.018                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 99         | 07/12/2011 | 16:05:18 | 0.072                     |
| 100        | 07/12/2011 | 16:10:18 | 0.055                     |
| 101        | 07/12/2011 | 16:15:18 | 0.015                     |
| 102        | 07/12/2011 | 16:20:18 | 0.021                     |
| 103        | 07/12/2011 | 16:25:18 | 0.046                     |

# Test 007

| Instrument |           | Data Properties  |            |
|------------|-----------|------------------|------------|
| Model      | Dust Trak | Start Date       | 07/13/2011 |
| Meter S/N  | 85201091  | Start Time       | 08:18:13   |
|            |           | Stop Date        | 07/13/2011 |
|            |           | Stop Time        | 13:43:13   |
|            |           | Total Time       | 0:05:25:00 |
|            |           | Logging Interval | 60 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 07/13/2011 | 08:19:13 | 0.192                     |
| 2          | 07/13/2011 | 08:20:13 | 0.026                     |
| 3          | 07/13/2011 | 08:21:13 | 0.025                     |
| 4          | 07/13/2011 | 08:22:13 | 0.025                     |
| 5          | 07/13/2011 | 08:23:13 | 0.028                     |
| 6          | 07/13/2011 | 08:24:13 | 0.026                     |
| 7          | 07/13/2011 | 08:25:13 | 0.027                     |
| 8          | 07/13/2011 | 08:26:13 | 0.024                     |
| 9          | 07/13/2011 | 08:27:13 | 0.025                     |
| 10         | 07/13/2011 | 08:28:13 | 0.025                     |
| 11         | 07/13/2011 | 08:29:13 | 0.028                     |
| 12         | 07/13/2011 | 08:30:13 | 0.026                     |
| 13         | 07/13/2011 | 08:31:13 | 0.025                     |
| 14         | 07/13/2011 | 08:32:13 | 0.024                     |
| 15         | 07/13/2011 | 08:33:13 | 0.025                     |
| 16         | 07/13/2011 | 08:34:13 | 0.024                     |
| 17         | 07/13/2011 | 08:35:13 | 0.024                     |
| 18         | 07/13/2011 | 08:36:13 | 0.024                     |
| 19         | 07/13/2011 | 08:37:13 | 0.024                     |
| 20         | 07/13/2011 | 08:38:13 | 0.025                     |
| 21         | 07/13/2011 | 08:39:13 | 0.023                     |
| 22         | 07/13/2011 | 08:40:13 | 0.024                     |
| 23         | 07/13/2011 | 08:41:13 | 0.023                     |
| 24         | 07/13/2011 | 08:42:13 | 0.025                     |
| 25         | 07/13/2011 | 08:43:13 | 0.023                     |
| 26         | 07/13/2011 | 08:44:13 | 0.024                     |
| 27         | 07/13/2011 | 08:45:13 | 0.023                     |
| 28         | 07/13/2011 | 08:46:13 | 0.025                     |
| 29         | 07/13/2011 | 08:47:13 | 0.024                     |
| 30         | 07/13/2011 | 08:48:13 | 0.024                     |
| 31         | 07/13/2011 | 08:49:13 | 0.024                     |
| 32         | 07/13/2011 | 08:50:13 | 0.024                     |
| 33         | 07/13/2011 | 08:51:13 | 0.023                     |
| 34         | 07/13/2011 | 08:52:13 | 0.023                     |
| 35         | 07/13/2011 | 08:53:13 | 0.025                     |
| 36         | 07/13/2011 | 08:54:13 | 0.025                     |
| 37         | 07/13/2011 | 08:55:13 | 0.024                     |
| 38         | 07/13/2011 | 08:56:13 | 0.023                     |
| 39         | 07/13/2011 | 08:57:13 | 0.025                     |
| 40         | 07/13/2011 | 08:58:13 | 0.025                     |
| 41         | 07/13/2011 | 08:59:13 | 0.026                     |
| 42         | 07/13/2011 | 09:00:13 | 0.025                     |
| 43         | 07/13/2011 | 09:01:13 | 0.024                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 07/13/2011 | 09:02:13 | 0.024                     |
| 45         | 07/13/2011 | 09:03:13 | 0.024                     |
| 46         | 07/13/2011 | 09:04:13 | 0.024                     |
| 47         | 07/13/2011 | 09:05:13 | 0.027                     |
| 48         | 07/13/2011 | 09:06:13 | 0.027                     |
| 49         | 07/13/2011 | 09:07:13 | 0.026                     |
| 50         | 07/13/2011 | 09:08:13 | 0.026                     |
| 51         | 07/13/2011 | 09:09:13 | 0.026                     |
| 52         | 07/13/2011 | 09:10:13 | 0.025                     |
| 53         | 07/13/2011 | 09:11:13 | 0.026                     |
| 54         | 07/13/2011 | 09:12:13 | 0.024                     |
| 55         | 07/13/2011 | 09:13:13 | 0.024                     |
| 56         | 07/13/2011 | 09:14:13 | 0.024                     |
| 57         | 07/13/2011 | 09:15:13 | 0.025                     |
| 58         | 07/13/2011 | 09:16:13 | 0.024                     |
| 59         | 07/13/2011 | 09:17:13 | 0.024                     |
| 60         | 07/13/2011 | 09:18:13 | 0.025                     |
| 61         | 07/13/2011 | 09:19:13 | 0.024                     |
| 62         | 07/13/2011 | 09:20:13 | 0.025                     |
| 63         | 07/13/2011 | 09:21:13 | 0.026                     |
| 64         | 07/13/2011 | 09:22:13 | 0.025                     |
| 65         | 07/13/2011 | 09:23:13 | 0.025                     |
| 66         | 07/13/2011 | 09:24:13 | 0.025                     |
| 67         | 07/13/2011 | 09:25:13 | 0.025                     |
| 68         | 07/13/2011 | 09:26:13 | 0.025                     |
| 69         | 07/13/2011 | 09:27:13 | 0.025                     |
| 70         | 07/13/2011 | 09:28:13 | 0.025                     |
| 71         | 07/13/2011 | 09:29:13 | 0.025                     |
| 72         | 07/13/2011 | 09:30:13 | 0.024                     |
| 73         | 07/13/2011 | 09:31:13 | 0.025                     |
| 74         | 07/13/2011 | 09:32:13 | 0.024                     |
| 75         | 07/13/2011 | 09:33:13 | 0.027                     |
| 76         | 07/13/2011 | 09:34:13 | 0.024                     |
| 77         | 07/13/2011 | 09:35:13 | 0.026                     |
| 78         | 07/13/2011 | 09:36:13 | 0.025                     |
| 79         | 07/13/2011 | 09:37:13 | 0.025                     |
| 80         | 07/13/2011 | 09:38:13 | 0.024                     |
| 81         | 07/13/2011 | 09:39:13 | 0.026                     |
| 82         | 07/13/2011 | 09:40:13 | 0.025                     |
| 83         | 07/13/2011 | 09:41:13 | 0.026                     |
| 84         | 07/13/2011 | 09:42:13 | 0.025                     |
| 85         | 07/13/2011 | 09:43:13 | 0.024                     |
| 86         | 07/13/2011 | 09:44:13 | 0.024                     |
| 87         | 07/13/2011 | 09:45:13 | 0.027                     |
| 88         | 07/13/2011 | 09:46:13 | 0.024                     |
| 89         | 07/13/2011 | 09:47:13 | 0.024                     |
| 90         | 07/13/2011 | 09:48:13 | 0.024                     |
| 91         | 07/13/2011 | 09:49:13 | 0.025                     |
| 92         | 07/13/2011 | 09:50:13 | 0.026                     |
| 93         | 07/13/2011 | 09:51:13 | 0.024                     |
| 94         | 07/13/2011 | 09:52:13 | 0.025                     |
| 95         | 07/13/2011 | 09:53:13 | 0.026                     |
| 96         | 07/13/2011 | 09:54:13 | 0.025                     |
| 97         | 07/13/2011 | 09:55:13 | 0.025                     |
| 98         | 07/13/2011 | 09:56:13 | 0.025                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 99         | 07/13/2011 | 09:57:13 | 0.025                     |
| 100        | 07/13/2011 | 09:58:13 | 0.025                     |
| 101        | 07/13/2011 | 09:59:13 | 0.024                     |
| 102        | 07/13/2011 | 10:00:13 | 0.025                     |
| 103        | 07/13/2011 | 10:01:13 | 0.025                     |
| 104        | 07/13/2011 | 10:02:13 | 0.024                     |
| 105        | 07/13/2011 | 10:03:13 | 0.023                     |
| 106        | 07/13/2011 | 10:04:13 | 0.024                     |
| 107        | 07/13/2011 | 10:05:13 | 0.024                     |
| 108        | 07/13/2011 | 10:06:13 | 0.024                     |
| 109        | 07/13/2011 | 10:07:13 | 0.026                     |
| 110        | 07/13/2011 | 10:08:13 | 0.024                     |
| 111        | 07/13/2011 | 10:09:13 | 0.025                     |
| 112        | 07/13/2011 | 10:10:13 | 0.024                     |
| 113        | 07/13/2011 | 10:11:13 | 0.031                     |
| 114        | 07/13/2011 | 10:12:13 | 0.025                     |
| 115        | 07/13/2011 | 10:13:13 | 0.024                     |
| 116        | 07/13/2011 | 10:14:13 | 0.024                     |
| 117        | 07/13/2011 | 10:15:13 | 0.024                     |
| 118        | 07/13/2011 | 10:16:13 | 0.025                     |
| 119        | 07/13/2011 | 10:17:13 | 0.024                     |
| 120        | 07/13/2011 | 10:18:13 | 0.025                     |
| 121        | 07/13/2011 | 10:19:13 | 0.025                     |
| 122        | 07/13/2011 | 10:20:13 | 0.024                     |
| 123        | 07/13/2011 | 10:21:13 | 0.026                     |
| 124        | 07/13/2011 | 10:22:13 | 0.025                     |
| 125        | 07/13/2011 | 10:23:13 | 0.025                     |
| 126        | 07/13/2011 | 10:24:13 | 0.024                     |
| 127        | 07/13/2011 | 10:25:13 | 0.024                     |
| 128        | 07/13/2011 | 10:26:13 | 0.024                     |
| 129        | 07/13/2011 | 10:27:13 | 0.025                     |
| 130        | 07/13/2011 | 10:28:13 | 0.024                     |
| 131        | 07/13/2011 | 10:29:13 | 0.024                     |
| 132        | 07/13/2011 | 10:30:13 | 0.024                     |
| 133        | 07/13/2011 | 10:31:13 | 0.025                     |
| 134        | 07/13/2011 | 10:32:13 | 0.025                     |
| 135        | 07/13/2011 | 10:33:13 | 0.025                     |
| 136        | 07/13/2011 | 10:34:13 | 0.025                     |
| 137        | 07/13/2011 | 10:35:13 | 0.025                     |
| 138        | 07/13/2011 | 10:36:13 | 0.025                     |
| 139        | 07/13/2011 | 10:37:13 | 0.024                     |
| 140        | 07/13/2011 | 10:38:13 | 0.025                     |
| 141        | 07/13/2011 | 10:39:13 | 0.024                     |
| 142        | 07/13/2011 | 10:40:13 | 0.024                     |
| 143        | 07/13/2011 | 10:41:13 | 0.026                     |
| 144        | 07/13/2011 | 10:42:13 | 0.024                     |
| 145        | 07/13/2011 | 10:43:13 | 0.025                     |
| 146        | 07/13/2011 | 10:44:13 | 0.024                     |
| 147        | 07/13/2011 | 10:45:13 | 0.024                     |
| 148        | 07/13/2011 | 10:46:13 | 0.023                     |
| 149        | 07/13/2011 | 10:47:13 | 0.023                     |
| 150        | 07/13/2011 | 10:48:13 | 0.024                     |
| 151        | 07/13/2011 | 10:49:13 | 0.024                     |
| 152        | 07/13/2011 | 10:50:13 | 0.025                     |
| 153        | 07/13/2011 | 10:51:13 | 0.024                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 154        | 07/13/2011 | 10:52:13 | 0.025                     |
| 155        | 07/13/2011 | 10:53:13 | 0.025                     |
| 156        | 07/13/2011 | 10:54:13 | 0.025                     |
| 157        | 07/13/2011 | 10:55:13 | 0.024                     |
| 158        | 07/13/2011 | 10:56:13 | 0.024                     |
| 159        | 07/13/2011 | 10:57:13 | 0.024                     |
| 160        | 07/13/2011 | 10:58:13 | 0.023                     |
| 161        | 07/13/2011 | 10:59:13 | 0.024                     |
| 162        | 07/13/2011 | 11:00:13 | 0.025                     |
| 163        | 07/13/2011 | 11:01:13 | 0.025                     |
| 164        | 07/13/2011 | 11:02:13 | 0.026                     |
| 165        | 07/13/2011 | 11:03:13 | 0.025                     |
| 166        | 07/13/2011 | 11:04:13 | 0.025                     |
| 167        | 07/13/2011 | 11:05:13 | 0.025                     |
| 168        | 07/13/2011 | 11:06:13 | 0.024                     |
| 169        | 07/13/2011 | 11:07:13 | 0.024                     |
| 170        | 07/13/2011 | 11:08:13 | 0.026                     |
| 171        | 07/13/2011 | 11:09:13 | 0.024                     |
| 172        | 07/13/2011 | 11:10:13 | 0.025                     |
| 173        | 07/13/2011 | 11:11:13 | 0.024                     |
| 174        | 07/13/2011 | 11:12:13 | 0.024                     |
| 175        | 07/13/2011 | 11:13:13 | 0.026                     |
| 176        | 07/13/2011 | 11:14:13 | 0.029                     |
| 177        | 07/13/2011 | 11:15:13 | 0.024                     |
| 178        | 07/13/2011 | 11:16:13 | 0.026                     |
| 179        | 07/13/2011 | 11:17:13 | 0.023                     |
| 180        | 07/13/2011 | 11:18:13 | 0.024                     |
| 181        | 07/13/2011 | 11:19:13 | 0.024                     |
| 182        | 07/13/2011 | 11:20:13 | 0.025                     |
| 183        | 07/13/2011 | 11:21:13 | 0.025                     |
| 184        | 07/13/2011 | 11:22:13 | 0.025                     |
| 185        | 07/13/2011 | 11:23:13 | 0.025                     |
| 186        | 07/13/2011 | 11:24:13 | 0.026                     |
| 187        | 07/13/2011 | 11:25:13 | 0.026                     |
| 188        | 07/13/2011 | 11:26:13 | 0.025                     |
| 189        | 07/13/2011 | 11:27:13 | 0.025                     |
| 190        | 07/13/2011 | 11:28:13 | 0.025                     |
| 191        | 07/13/2011 | 11:29:13 | 0.024                     |
| 192        | 07/13/2011 | 11:30:13 | 0.024                     |
| 193        | 07/13/2011 | 11:31:13 | 0.024                     |
| 194        | 07/13/2011 | 11:32:13 | 0.025                     |
| 195        | 07/13/2011 | 11:33:13 | 0.025                     |
| 196        | 07/13/2011 | 11:34:13 | 0.026                     |
| 197        | 07/13/2011 | 11:35:13 | 0.023                     |
| 198        | 07/13/2011 | 11:36:13 | 0.024                     |
| 199        | 07/13/2011 | 11:37:13 | 0.024                     |
| 200        | 07/13/2011 | 11:38:13 | 0.025                     |
| 201        | 07/13/2011 | 11:39:13 | 0.030                     |
| 202        | 07/13/2011 | 11:40:13 | 0.024                     |
| 203        | 07/13/2011 | 11:41:13 | 0.024                     |
| 204        | 07/13/2011 | 11:42:13 | 0.024                     |
| 205        | 07/13/2011 | 11:43:13 | 0.023                     |
| 206        | 07/13/2011 | 11:44:13 | 0.022                     |
| 207        | 07/13/2011 | 11:45:13 | 0.023                     |
| 208        | 07/13/2011 | 11:46:13 | 0.024                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 209        | 07/13/2011 | 11:47:13 | 0.024                     |
| 210        | 07/13/2011 | 11:48:13 | 0.024                     |
| 211        | 07/13/2011 | 11:49:13 | 0.024                     |
| 212        | 07/13/2011 | 11:50:13 | 0.024                     |
| 213        | 07/13/2011 | 11:51:13 | 0.031                     |
| 214        | 07/13/2011 | 11:52:13 | 0.024                     |
| 215        | 07/13/2011 | 11:53:13 | 0.023                     |
| 216        | 07/13/2011 | 11:54:13 | 0.023                     |
| 217        | 07/13/2011 | 11:55:13 | 0.022                     |
| 218        | 07/13/2011 | 11:56:13 | 0.024                     |
| 219        | 07/13/2011 | 11:57:13 | 0.023                     |
| 220        | 07/13/2011 | 11:58:13 | 0.023                     |
| 221        | 07/13/2011 | 11:59:13 | 0.024                     |
| 222        | 07/13/2011 | 12:00:13 | 0.023                     |
| 223        | 07/13/2011 | 12:01:13 | 0.023                     |
| 224        | 07/13/2011 | 12:02:13 | 0.022                     |
| 225        | 07/13/2011 | 12:03:13 | 0.025                     |
| 226        | 07/13/2011 | 12:04:13 | 0.027                     |
| 227        | 07/13/2011 | 12:05:13 | 0.024                     |
| 228        | 07/13/2011 | 12:06:13 | 0.023                     |
| 229        | 07/13/2011 | 12:07:13 | 0.023                     |
| 230        | 07/13/2011 | 12:08:13 | 0.022                     |
| 231        | 07/13/2011 | 12:09:13 | 0.022                     |
| 232        | 07/13/2011 | 12:10:13 | 0.022                     |
| 233        | 07/13/2011 | 12:11:13 | 0.023                     |
| 234        | 07/13/2011 | 12:12:13 | 0.025                     |
| 235        | 07/13/2011 | 12:13:13 | 0.023                     |
| 236        | 07/13/2011 | 12:14:13 | 0.023                     |
| 237        | 07/13/2011 | 12:15:13 | 0.022                     |
| 238        | 07/13/2011 | 12:16:13 | 0.021                     |
| 239        | 07/13/2011 | 12:17:13 | 0.023                     |
| 240        | 07/13/2011 | 12:18:13 | 0.023                     |
| 241        | 07/13/2011 | 12:19:13 | 0.022                     |
| 242        | 07/13/2011 | 12:20:13 | 0.022                     |
| 243        | 07/13/2011 | 12:21:13 | 0.022                     |
| 244        | 07/13/2011 | 12:22:13 | 0.022                     |
| 245        | 07/13/2011 | 12:23:13 | 0.020                     |
| 246        | 07/13/2011 | 12:24:13 | 0.021                     |
| 247        | 07/13/2011 | 12:25:13 | 0.022                     |
| 248        | 07/13/2011 | 12:26:13 | 0.022                     |
| 249        | 07/13/2011 | 12:27:13 | 0.020                     |
| 250        | 07/13/2011 | 12:28:13 | 0.021                     |
| 251        | 07/13/2011 | 12:29:13 | 0.022                     |
| 252        | 07/13/2011 | 12:30:13 | 0.023                     |
| 253        | 07/13/2011 | 12:31:13 | 0.022                     |
| 254        | 07/13/2011 | 12:32:13 | 0.022                     |
| 255        | 07/13/2011 | 12:33:13 | 0.023                     |
| 256        | 07/13/2011 | 12:34:13 | 0.021                     |
| 257        | 07/13/2011 | 12:35:13 | 0.022                     |
| 258        | 07/13/2011 | 12:36:13 | 0.020                     |
| 259        | 07/13/2011 | 12:37:13 | 0.020                     |
| 260        | 07/13/2011 | 12:38:13 | 0.021                     |
| 261        | 07/13/2011 | 12:39:13 | 0.022                     |
| 262        | 07/13/2011 | 12:40:13 | 0.020                     |
| 263        | 07/13/2011 | 12:41:13 | 0.021                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 264        | 07/13/2011 | 12:42:13 | 0.020                     |
| 265        | 07/13/2011 | 12:43:13 | 0.021                     |
| 266        | 07/13/2011 | 12:44:13 | 0.020                     |
| 267        | 07/13/2011 | 12:45:13 | 0.020                     |
| 268        | 07/13/2011 | 12:46:13 | 0.021                     |
| 269        | 07/13/2011 | 12:47:13 | 0.020                     |
| 270        | 07/13/2011 | 12:48:13 | 0.020                     |
| 271        | 07/13/2011 | 12:49:13 | 0.021                     |
| 272        | 07/13/2011 | 12:50:13 | 0.019                     |
| 273        | 07/13/2011 | 12:51:13 | 0.020                     |
| 274        | 07/13/2011 | 12:52:13 | 0.020                     |
| 275        | 07/13/2011 | 12:53:13 | 0.019                     |
| 276        | 07/13/2011 | 12:54:13 | 0.018                     |
| 277        | 07/13/2011 | 12:55:13 | 0.018                     |
| 278        | 07/13/2011 | 12:56:13 | 0.017                     |
| 279        | 07/13/2011 | 12:57:13 | 0.018                     |
| 280        | 07/13/2011 | 12:58:13 | 0.018                     |
| 281        | 07/13/2011 | 12:59:13 | 0.018                     |
| 282        | 07/13/2011 | 13:00:13 | 0.017                     |
| 283        | 07/13/2011 | 13:01:13 | 0.017                     |
| 284        | 07/13/2011 | 13:02:13 | 0.018                     |
| 285        | 07/13/2011 | 13:03:13 | 0.019                     |
| 286        | 07/13/2011 | 13:04:13 | 0.018                     |
| 287        | 07/13/2011 | 13:05:13 | 0.018                     |
| 288        | 07/13/2011 | 13:06:13 | 0.021                     |
| 289        | 07/13/2011 | 13:07:13 | 0.022                     |
| 290        | 07/13/2011 | 13:08:13 | 0.019                     |
| 291        | 07/13/2011 | 13:09:13 | 0.017                     |
| 292        | 07/13/2011 | 13:10:13 | 0.017                     |
| 293        | 07/13/2011 | 13:11:13 | 0.017                     |
| 294        | 07/13/2011 | 13:12:13 | 0.016                     |
| 295        | 07/13/2011 | 13:13:13 | 0.016                     |
| 296        | 07/13/2011 | 13:14:13 | 0.026                     |
| 297        | 07/13/2011 | 13:15:13 | 0.017                     |
| 298        | 07/13/2011 | 13:16:13 | 0.016                     |
| 299        | 07/13/2011 | 13:17:13 | 0.015                     |
| 300        | 07/13/2011 | 13:18:13 | 0.016                     |
| 301        | 07/13/2011 | 13:19:13 | 0.015                     |
| 302        | 07/13/2011 | 13:20:13 | 0.037                     |
| 303        | 07/13/2011 | 13:21:13 | 0.016                     |
| 304        | 07/13/2011 | 13:22:13 | 0.027                     |
| 305        | 07/13/2011 | 13:23:13 | 0.018                     |
| 306        | 07/13/2011 | 13:24:13 | 0.016                     |
| 307        | 07/13/2011 | 13:25:13 | 0.015                     |
| 308        | 07/13/2011 | 13:26:13 | 0.015                     |
| 309        | 07/13/2011 | 13:27:13 | 0.018                     |
| 310        | 07/13/2011 | 13:28:13 | 0.016                     |
| 311        | 07/13/2011 | 13:29:13 | 0.017                     |
| 312        | 07/13/2011 | 13:30:13 | 0.020                     |
| 313        | 07/13/2011 | 13:31:13 | 0.017                     |
| 314        | 07/13/2011 | 13:32:13 | 0.018                     |
| 315        | 07/13/2011 | 13:33:13 | 0.016                     |
| 316        | 07/13/2011 | 13:34:13 | 0.016                     |
| 317        | 07/13/2011 | 13:35:13 | 0.015                     |
| 318        | 07/13/2011 | 13:36:13 | 0.015                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 319        | 07/13/2011 | 13:37:13 | 0.015                     |
| 320        | 07/13/2011 | 13:38:13 | 0.027                     |
| 321        | 07/13/2011 | 13:39:13 | 0.019                     |
| 322        | 07/13/2011 | 13:40:13 | 0.017                     |
| 323        | 07/13/2011 | 13:41:13 | 0.016                     |
| 324        | 07/13/2011 | 13:42:13 | 0.016                     |
| 325        | 07/13/2011 | 13:43:13 | 0.019                     |

# Test 007

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 07/13/2011  |
| Meter S/N  | 85201065  | Start Time       | 08:16:21    |
|            |           | Stop Date        | 07/13/2011  |
|            |           | Stop Time        | 16:46:21    |
|            |           | Total Time       | 0:08:30:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 07/13/2011 | 08:21:21 | 0.026                     |
| 2          | 07/13/2011 | 08:26:21 | 0.030                     |
| 3          | 07/13/2011 | 08:31:21 | 0.032                     |
| 4          | 07/13/2011 | 08:36:21 | 0.030                     |
| 5          | 07/13/2011 | 08:41:21 | 0.024                     |
| 6          | 07/13/2011 | 08:46:21 | 0.023                     |
| 7          | 07/13/2011 | 08:51:21 | 0.029                     |
| 8          | 07/13/2011 | 08:56:21 | 0.028                     |
| 9          | 07/13/2011 | 09:01:21 | 0.026                     |
| 10         | 07/13/2011 | 09:06:21 | 0.023                     |
| 11         | 07/13/2011 | 09:11:21 | 0.027                     |
| 12         | 07/13/2011 | 09:16:21 | 0.023                     |
| 13         | 07/13/2011 | 09:21:21 | 0.025                     |
| 14         | 07/13/2011 | 09:26:21 | 0.025                     |
| 15         | 07/13/2011 | 09:31:21 | 0.024                     |
| 16         | 07/13/2011 | 09:36:21 | 0.022                     |
| 17         | 07/13/2011 | 09:41:21 | 0.024                     |
| 18         | 07/13/2011 | 09:46:21 | 0.023                     |
| 19         | 07/13/2011 | 09:51:21 | 0.024                     |
| 20         | 07/13/2011 | 09:56:21 | 0.027                     |
| 21         | 07/13/2011 | 10:01:21 | 0.023                     |
| 22         | 07/13/2011 | 10:06:21 | 0.022                     |
| 23         | 07/13/2011 | 10:11:21 | 0.024                     |
| 24         | 07/13/2011 | 10:16:21 | 0.021                     |
| 25         | 07/13/2011 | 10:21:21 | 0.021                     |
| 26         | 07/13/2011 | 10:26:21 | 0.021                     |
| 27         | 07/13/2011 | 10:31:21 | 0.022                     |
| 28         | 07/13/2011 | 10:36:21 | 0.022                     |
| 29         | 07/13/2011 | 10:41:21 | 0.024                     |
| 30         | 07/13/2011 | 10:46:21 | 0.021                     |
| 31         | 07/13/2011 | 10:51:21 | 0.024                     |
| 32         | 07/13/2011 | 10:56:21 | 0.022                     |
| 33         | 07/13/2011 | 11:01:21 | 0.022                     |
| 34         | 07/13/2011 | 11:06:21 | 0.022                     |
| 35         | 07/13/2011 | 11:11:21 | 0.021                     |
| 36         | 07/13/2011 | 11:16:21 | 0.030                     |
| 37         | 07/13/2011 | 11:21:21 | 0.024                     |
| 38         | 07/13/2011 | 11:26:21 | 0.023                     |
| 39         | 07/13/2011 | 11:31:21 | 0.024                     |
| 40         | 07/13/2011 | 11:36:21 | 0.022                     |
| 41         | 07/13/2011 | 11:41:21 | 0.022                     |
| 42         | 07/13/2011 | 11:46:21 | 0.021                     |
| 43         | 07/13/2011 | 11:51:21 | 0.022                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 07/13/2011 | 11:56:21 | 0.033                     |
| 45         | 07/13/2011 | 12:01:21 | 0.020                     |
| 46         | 07/13/2011 | 12:06:21 | 0.022                     |
| 47         | 07/13/2011 | 12:11:21 | 0.024                     |
| 48         | 07/13/2011 | 12:16:21 | 0.030                     |
| 49         | 07/13/2011 | 12:21:21 | 0.019                     |
| 50         | 07/13/2011 | 12:26:21 | 0.018                     |
| 51         | 07/13/2011 | 12:31:21 | 0.042                     |
| 52         | 07/13/2011 | 12:36:21 | 0.019                     |
| 53         | 07/13/2011 | 12:41:21 | 0.018                     |
| 54         | 07/13/2011 | 12:46:21 | 0.018                     |
| 55         | 07/13/2011 | 12:51:21 | 0.017                     |
| 56         | 07/13/2011 | 12:56:21 | 0.016                     |
| 57         | 07/13/2011 | 13:01:21 | 0.020                     |
| 58         | 07/13/2011 | 13:06:21 | 0.021                     |
| 59         | 07/13/2011 | 13:11:21 | 0.019                     |
| 60         | 07/13/2011 | 13:16:21 | 0.054                     |
| 61         | 07/13/2011 | 13:21:21 | 0.016                     |
| 62         | 07/13/2011 | 13:26:21 | 0.016                     |
| 63         | 07/13/2011 | 13:31:21 | 0.017                     |
| 64         | 07/13/2011 | 13:36:21 | 0.017                     |
| 65         | 07/13/2011 | 13:41:21 | 0.030                     |
| 66         | 07/13/2011 | 13:46:21 | 0.020                     |
| 67         | 07/13/2011 | 13:51:21 | 0.017                     |
| 68         | 07/13/2011 | 13:56:21 | 0.018                     |
| 69         | 07/13/2011 | 14:01:21 | 0.018                     |
| 70         | 07/13/2011 | 14:06:21 | 0.021                     |
| 71         | 07/13/2011 | 14:11:21 | 0.023                     |
| 72         | 07/13/2011 | 14:16:21 | 0.016                     |
| 73         | 07/13/2011 | 14:21:21 | 0.017                     |
| 74         | 07/13/2011 | 14:26:21 | 0.020                     |
| 75         | 07/13/2011 | 14:31:21 | 0.063                     |
| 76         | 07/13/2011 | 14:36:21 | 0.033                     |
| 77         | 07/13/2011 | 14:41:21 | 0.018                     |
| 78         | 07/13/2011 | 14:46:21 | 0.060                     |
| 79         | 07/13/2011 | 14:51:21 | 0.021                     |
| 80         | 07/13/2011 | 14:56:21 | 0.034                     |
| 81         | 07/13/2011 | 15:01:21 | 0.029                     |
| 82         | 07/13/2011 | 15:06:21 | 0.024                     |
| 83         | 07/13/2011 | 15:11:21 | 0.114                     |
| 84         | 07/13/2011 | 15:16:21 | 0.201                     |
| 85         | 07/13/2011 | 15:21:21 | 0.016                     |
| 86         | 07/13/2011 | 15:26:21 | 0.011                     |
| 87         | 07/13/2011 | 15:31:21 | 0.009                     |
| 88         | 07/13/2011 | 15:36:21 | 0.008                     |
| 89         | 07/13/2011 | 15:41:21 | 0.007                     |
| 90         | 07/13/2011 | 15:46:21 | 0.007                     |
| 91         | 07/13/2011 | 15:51:21 | 0.008                     |
| 92         | 07/13/2011 | 15:56:21 | 0.008                     |
| 93         | 07/13/2011 | 16:01:21 | 0.008                     |
| 94         | 07/13/2011 | 16:06:21 | 0.007                     |
| 95         | 07/13/2011 | 16:11:21 | 0.007                     |
| 96         | 07/13/2011 | 16:16:21 | 0.008                     |
| 97         | 07/13/2011 | 16:21:21 | 0.008                     |
| 98         | 07/13/2011 | 16:26:21 | 0.007                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 99         | 07/13/2011 | 16:31:21 | 0.008                     |
| 100        | 07/13/2011 | 16:36:21 | 0.008                     |
| 101        | 07/13/2011 | 16:41:21 | 0.008                     |
| 102        | 07/13/2011 | 16:46:21 | 0.008                     |



# Test 008

| Instrument |           | Data Properties  |            |
|------------|-----------|------------------|------------|
| Model      | Dust Trak | Start Date       | 07/14/2011 |
| Meter S/N  | 85201091  | Start Time       | 08:11:31   |
|            |           | Stop Date        | 07/14/2011 |
|            |           | Stop Time        | 16:29:31   |
|            |           | Total Time       | 0:08:18:00 |
|            |           | Logging Interval | 60 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 07/14/2011 | 08:12:31 | 0.052                     |
| 2          | 07/14/2011 | 08:13:31 | 0.012                     |
| 3          | 07/14/2011 | 08:14:31 | 0.013                     |
| 4          | 07/14/2011 | 08:15:31 | 0.013                     |
| 5          | 07/14/2011 | 08:16:31 | 0.014                     |
| 6          | 07/14/2011 | 08:17:31 | 0.013                     |
| 7          | 07/14/2011 | 08:18:31 | 0.014                     |
| 8          | 07/14/2011 | 08:19:31 | 0.012                     |
| 9          | 07/14/2011 | 08:20:31 | 0.013                     |
| 10         | 07/14/2011 | 08:21:31 | 0.013                     |
| 11         | 07/14/2011 | 08:22:31 | 0.012                     |
| 12         | 07/14/2011 | 08:23:31 | 0.013                     |
| 13         | 07/14/2011 | 08:24:31 | 0.012                     |
| 14         | 07/14/2011 | 08:25:31 | 0.012                     |
| 15         | 07/14/2011 | 08:26:31 | 0.012                     |
| 16         | 07/14/2011 | 08:27:31 | 0.013                     |
| 17         | 07/14/2011 | 08:28:31 | 0.011                     |
| 18         | 07/14/2011 | 08:29:31 | 0.011                     |
| 19         | 07/14/2011 | 08:30:31 | 0.012                     |
| 20         | 07/14/2011 | 08:31:31 | 0.010                     |
| 21         | 07/14/2011 | 08:32:31 | 0.011                     |
| 22         | 07/14/2011 | 08:33:31 | 0.012                     |
| 23         | 07/14/2011 | 08:34:31 | 0.012                     |
| 24         | 07/14/2011 | 08:35:31 | 0.012                     |
| 25         | 07/14/2011 | 08:36:31 | 0.013                     |
| 26         | 07/14/2011 | 08:37:31 | 0.011                     |
| 27         | 07/14/2011 | 08:38:31 | 0.011                     |
| 28         | 07/14/2011 | 08:39:31 | 0.011                     |
| 29         | 07/14/2011 | 08:40:31 | 0.012                     |
| 30         | 07/14/2011 | 08:41:31 | 0.013                     |
| 31         | 07/14/2011 | 08:42:31 | 0.011                     |
| 32         | 07/14/2011 | 08:43:31 | 0.012                     |
| 33         | 07/14/2011 | 08:44:31 | 0.012                     |
| 34         | 07/14/2011 | 08:45:31 | 0.011                     |
| 35         | 07/14/2011 | 08:46:31 | 0.012                     |
| 36         | 07/14/2011 | 08:47:31 | 0.012                     |
| 37         | 07/14/2011 | 08:48:31 | 0.012                     |
| 38         | 07/14/2011 | 08:49:31 | 0.010                     |
| 39         | 07/14/2011 | 08:50:31 | 0.011                     |
| 40         | 07/14/2011 | 08:51:31 | 0.011                     |
| 41         | 07/14/2011 | 08:52:31 | 0.011                     |
| 42         | 07/14/2011 | 08:53:31 | 0.010                     |
| 43         | 07/14/2011 | 08:54:31 | 0.013                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 07/14/2011 | 08:55:31 | 0.011                     |
| 45         | 07/14/2011 | 08:56:31 | 0.011                     |
| 46         | 07/14/2011 | 08:57:31 | 0.011                     |
| 47         | 07/14/2011 | 08:58:31 | 0.013                     |
| 48         | 07/14/2011 | 08:59:31 | 0.011                     |
| 49         | 07/14/2011 | 09:00:31 | 0.011                     |
| 50         | 07/14/2011 | 09:01:31 | 0.012                     |
| 51         | 07/14/2011 | 09:02:31 | 0.011                     |
| 52         | 07/14/2011 | 09:03:31 | 0.011                     |
| 53         | 07/14/2011 | 09:04:31 | 0.011                     |
| 54         | 07/14/2011 | 09:05:31 | 0.012                     |
| 55         | 07/14/2011 | 09:06:31 | 0.011                     |
| 56         | 07/14/2011 | 09:07:31 | 0.011                     |
| 57         | 07/14/2011 | 09:08:31 | 0.011                     |
| 58         | 07/14/2011 | 09:09:31 | 0.011                     |
| 59         | 07/14/2011 | 09:10:31 | 0.011                     |
| 60         | 07/14/2011 | 09:11:31 | 0.011                     |
| 61         | 07/14/2011 | 09:12:31 | 0.011                     |
| 62         | 07/14/2011 | 09:13:31 | 0.011                     |
| 63         | 07/14/2011 | 09:14:31 | 0.011                     |
| 64         | 07/14/2011 | 09:15:31 | 0.011                     |
| 65         | 07/14/2011 | 09:16:31 | 0.014                     |
| 66         | 07/14/2011 | 09:17:31 | 0.013                     |
| 67         | 07/14/2011 | 09:18:31 | 0.026                     |
| 68         | 07/14/2011 | 09:19:31 | 0.086                     |
| 69         | 07/14/2011 | 09:20:31 | 0.011                     |
| 70         | 07/14/2011 | 09:21:31 | 0.011                     |
| 71         | 07/14/2011 | 09:22:31 | 0.013                     |
| 72         | 07/14/2011 | 09:23:31 | 0.012                     |
| 73         | 07/14/2011 | 09:24:31 | 0.012                     |
| 74         | 07/14/2011 | 09:25:31 | 0.012                     |
| 75         | 07/14/2011 | 09:26:31 | 0.011                     |
| 76         | 07/14/2011 | 09:27:31 | 0.011                     |
| 77         | 07/14/2011 | 09:28:31 | 0.013                     |
| 78         | 07/14/2011 | 09:29:31 | 0.011                     |
| 79         | 07/14/2011 | 09:30:31 | 0.012                     |
| 80         | 07/14/2011 | 09:31:31 | 0.012                     |
| 81         | 07/14/2011 | 09:32:31 | 0.012                     |
| 82         | 07/14/2011 | 09:33:31 | 0.012                     |
| 83         | 07/14/2011 | 09:34:31 | 0.013                     |
| 84         | 07/14/2011 | 09:35:31 | 0.012                     |
| 85         | 07/14/2011 | 09:36:31 | 0.013                     |
| 86         | 07/14/2011 | 09:37:31 | 0.012                     |
| 87         | 07/14/2011 | 09:38:31 | 0.012                     |
| 88         | 07/14/2011 | 09:39:31 | 0.011                     |
| 89         | 07/14/2011 | 09:40:31 | 0.013                     |
| 90         | 07/14/2011 | 09:41:31 | 0.013                     |
| 91         | 07/14/2011 | 09:42:31 | 0.014                     |
| 92         | 07/14/2011 | 09:43:31 | 0.012                     |
| 93         | 07/14/2011 | 09:44:31 | 0.014                     |
| 94         | 07/14/2011 | 09:45:31 | 0.012                     |
| 95         | 07/14/2011 | 09:46:31 | 0.012                     |
| 96         | 07/14/2011 | 09:47:31 | 0.014                     |
| 97         | 07/14/2011 | 09:48:31 | 0.012                     |
| 98         | 07/14/2011 | 09:49:31 | 0.013                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 99         | 07/14/2011 | 09:50:31 | 0.012                     |
| 100        | 07/14/2011 | 09:51:31 | 0.012                     |
| 101        | 07/14/2011 | 09:52:31 | 0.013                     |
| 102        | 07/14/2011 | 09:53:31 | 0.012                     |
| 103        | 07/14/2011 | 09:54:31 | 0.023                     |
| 104        | 07/14/2011 | 09:55:31 | 0.013                     |
| 105        | 07/14/2011 | 09:56:31 | 0.013                     |
| 106        | 07/14/2011 | 09:57:31 | 0.013                     |
| 107        | 07/14/2011 | 09:58:31 | 0.012                     |
| 108        | 07/14/2011 | 09:59:31 | 0.012                     |
| 109        | 07/14/2011 | 10:00:31 | 0.012                     |
| 110        | 07/14/2011 | 10:01:31 | 0.012                     |
| 111        | 07/14/2011 | 10:02:31 | 0.013                     |
| 112        | 07/14/2011 | 10:03:31 | 0.013                     |
| 113        | 07/14/2011 | 10:04:31 | 0.013                     |
| 114        | 07/14/2011 | 10:05:31 | 0.014                     |
| 115        | 07/14/2011 | 10:06:31 | 0.013                     |
| 116        | 07/14/2011 | 10:07:31 | 0.013                     |
| 117        | 07/14/2011 | 10:08:31 | 0.014                     |
| 118        | 07/14/2011 | 10:09:31 | 0.012                     |
| 119        | 07/14/2011 | 10:10:31 | 0.012                     |
| 120        | 07/14/2011 | 10:11:31 | 0.015                     |
| 121        | 07/14/2011 | 10:12:31 | 0.012                     |
| 122        | 07/14/2011 | 10:13:31 | 0.011                     |
| 123        | 07/14/2011 | 10:14:31 | 0.012                     |
| 124        | 07/14/2011 | 10:15:31 | 0.012                     |
| 125        | 07/14/2011 | 10:16:31 | 0.012                     |
| 126        | 07/14/2011 | 10:17:31 | 0.013                     |
| 127        | 07/14/2011 | 10:18:31 | 0.013                     |
| 128        | 07/14/2011 | 10:19:31 | 0.014                     |
| 129        | 07/14/2011 | 10:20:31 | 0.013                     |
| 130        | 07/14/2011 | 10:21:31 | 0.012                     |
| 131        | 07/14/2011 | 10:22:31 | 0.012                     |
| 132        | 07/14/2011 | 10:23:31 | 0.011                     |
| 133        | 07/14/2011 | 10:24:31 | 0.011                     |
| 134        | 07/14/2011 | 10:25:31 | 0.012                     |
| 135        | 07/14/2011 | 10:26:31 | 0.012                     |
| 136        | 07/14/2011 | 10:27:31 | 0.012                     |
| 137        | 07/14/2011 | 10:28:31 | 0.013                     |
| 138        | 07/14/2011 | 10:29:31 | 0.012                     |
| 139        | 07/14/2011 | 10:30:31 | 0.012                     |
| 140        | 07/14/2011 | 10:31:31 | 0.012                     |
| 141        | 07/14/2011 | 10:32:31 | 0.012                     |
| 142        | 07/14/2011 | 10:33:31 | 0.017                     |
| 143        | 07/14/2011 | 10:34:31 | 0.013                     |
| 144        | 07/14/2011 | 10:35:31 | 0.013                     |
| 145        | 07/14/2011 | 10:36:31 | 0.012                     |
| 146        | 07/14/2011 | 10:37:31 | 0.014                     |
| 147        | 07/14/2011 | 10:38:31 | 0.012                     |
| 148        | 07/14/2011 | 10:39:31 | 0.013                     |
| 149        | 07/14/2011 | 10:40:31 | 0.012                     |
| 150        | 07/14/2011 | 10:41:31 | 0.013                     |
| 151        | 07/14/2011 | 10:42:31 | 0.014                     |
| 152        | 07/14/2011 | 10:43:31 | 0.014                     |
| 153        | 07/14/2011 | 10:44:31 | 0.013                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 154        | 07/14/2011 | 10:45:31 | 0.013                     |
| 155        | 07/14/2011 | 10:46:31 | 0.013                     |
| 156        | 07/14/2011 | 10:47:31 | 0.015                     |
| 157        | 07/14/2011 | 10:48:31 | 0.013                     |
| 158        | 07/14/2011 | 10:49:31 | 0.013                     |
| 159        | 07/14/2011 | 10:50:31 | 0.016                     |
| 160        | 07/14/2011 | 10:51:31 | 0.017                     |
| 161        | 07/14/2011 | 10:52:31 | 0.013                     |
| 162        | 07/14/2011 | 10:53:31 | 0.013                     |
| 163        | 07/14/2011 | 10:54:31 | 0.013                     |
| 164        | 07/14/2011 | 10:55:31 | 0.013                     |
| 165        | 07/14/2011 | 10:56:31 | 0.014                     |
| 166        | 07/14/2011 | 10:57:31 | 0.012                     |
| 167        | 07/14/2011 | 10:58:31 | 0.012                     |
| 168        | 07/14/2011 | 10:59:31 | 0.012                     |
| 169        | 07/14/2011 | 11:00:31 | 0.012                     |
| 170        | 07/14/2011 | 11:01:31 | 0.012                     |
| 171        | 07/14/2011 | 11:02:31 | 0.012                     |
| 172        | 07/14/2011 | 11:03:31 | 0.012                     |
| 173        | 07/14/2011 | 11:04:31 | 0.012                     |
| 174        | 07/14/2011 | 11:05:31 | 0.012                     |
| 175        | 07/14/2011 | 11:06:31 | 0.012                     |
| 176        | 07/14/2011 | 11:07:31 | 0.011                     |
| 177        | 07/14/2011 | 11:08:31 | 0.011                     |
| 178        | 07/14/2011 | 11:09:31 | 0.012                     |
| 179        | 07/14/2011 | 11:10:31 | 0.011                     |
| 180        | 07/14/2011 | 11:11:31 | 0.011                     |
| 181        | 07/14/2011 | 11:12:31 | 0.013                     |
| 182        | 07/14/2011 | 11:13:31 | 0.012                     |
| 183        | 07/14/2011 | 11:14:31 | 0.012                     |
| 184        | 07/14/2011 | 11:15:31 | 0.013                     |
| 185        | 07/14/2011 | 11:16:31 | 0.012                     |
| 186        | 07/14/2011 | 11:17:31 | 0.011                     |
| 187        | 07/14/2011 | 11:18:31 | 0.012                     |
| 188        | 07/14/2011 | 11:19:31 | 0.012                     |
| 189        | 07/14/2011 | 11:20:31 | 0.013                     |
| 190        | 07/14/2011 | 11:21:31 | 0.015                     |
| 191        | 07/14/2011 | 11:22:31 | 0.011                     |
| 192        | 07/14/2011 | 11:23:31 | 0.011                     |
| 193        | 07/14/2011 | 11:24:31 | 0.012                     |
| 194        | 07/14/2011 | 11:25:31 | 0.012                     |
| 195        | 07/14/2011 | 11:26:31 | 0.011                     |
| 196        | 07/14/2011 | 11:27:31 | 0.011                     |
| 197        | 07/14/2011 | 11:28:31 | 0.011                     |
| 198        | 07/14/2011 | 11:29:31 | 0.012                     |
| 199        | 07/14/2011 | 11:30:31 | 0.012                     |
| 200        | 07/14/2011 | 11:31:31 | 0.012                     |
| 201        | 07/14/2011 | 11:32:31 | 0.012                     |
| 202        | 07/14/2011 | 11:33:31 | 0.012                     |
| 203        | 07/14/2011 | 11:34:31 | 0.012                     |
| 204        | 07/14/2011 | 11:35:31 | 0.015                     |
| 205        | 07/14/2011 | 11:36:31 | 0.014                     |
| 206        | 07/14/2011 | 11:37:31 | 0.012                     |
| 207        | 07/14/2011 | 11:38:31 | 0.013                     |
| 208        | 07/14/2011 | 11:39:31 | 0.011                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 209        | 07/14/2011 | 11:40:31 | 0.013                     |
| 210        | 07/14/2011 | 11:41:31 | 0.012                     |
| 211        | 07/14/2011 | 11:42:31 | 0.013                     |
| 212        | 07/14/2011 | 11:43:31 | 0.012                     |
| 213        | 07/14/2011 | 11:44:31 | 0.012                     |
| 214        | 07/14/2011 | 11:45:31 | 0.013                     |
| 215        | 07/14/2011 | 11:46:31 | 0.012                     |
| 216        | 07/14/2011 | 11:47:31 | 0.011                     |
| 217        | 07/14/2011 | 11:48:31 | 0.011                     |
| 218        | 07/14/2011 | 11:49:31 | 0.011                     |
| 219        | 07/14/2011 | 11:50:31 | 0.011                     |
| 220        | 07/14/2011 | 11:51:31 | 0.011                     |
| 221        | 07/14/2011 | 11:52:31 | 0.012                     |
| 222        | 07/14/2011 | 11:53:31 | 0.013                     |
| 223        | 07/14/2011 | 11:54:31 | 0.012                     |
| 224        | 07/14/2011 | 11:55:31 | 0.012                     |
| 225        | 07/14/2011 | 11:56:31 | 0.013                     |
| 226        | 07/14/2011 | 11:57:31 | 0.011                     |
| 227        | 07/14/2011 | 11:58:31 | 0.013                     |
| 228        | 07/14/2011 | 11:59:31 | 0.013                     |
| 229        | 07/14/2011 | 12:00:31 | 0.012                     |
| 230        | 07/14/2011 | 12:01:31 | 0.012                     |
| 231        | 07/14/2011 | 12:02:31 | 0.013                     |
| 232        | 07/14/2011 | 12:03:31 | 0.012                     |
| 233        | 07/14/2011 | 12:04:31 | 0.012                     |
| 234        | 07/14/2011 | 12:05:31 | 0.012                     |
| 235        | 07/14/2011 | 12:06:31 | 0.012                     |
| 236        | 07/14/2011 | 12:07:31 | 0.013                     |
| 237        | 07/14/2011 | 12:08:31 | 0.012                     |
| 238        | 07/14/2011 | 12:09:31 | 0.012                     |
| 239        | 07/14/2011 | 12:10:31 | 0.012                     |
| 240        | 07/14/2011 | 12:11:31 | 0.012                     |
| 241        | 07/14/2011 | 12:12:31 | 0.012                     |
| 242        | 07/14/2011 | 12:13:31 | 0.012                     |
| 243        | 07/14/2011 | 12:14:31 | 0.013                     |
| 244        | 07/14/2011 | 12:15:31 | 0.013                     |
| 245        | 07/14/2011 | 12:16:31 | 0.013                     |
| 246        | 07/14/2011 | 12:17:31 | 0.014                     |
| 247        | 07/14/2011 | 12:18:31 | 0.013                     |
| 248        | 07/14/2011 | 12:19:31 | 0.013                     |
| 249        | 07/14/2011 | 12:20:31 | 0.013                     |
| 250        | 07/14/2011 | 12:21:31 | 0.013                     |
| 251        | 07/14/2011 | 12:22:31 | 0.013                     |
| 252        | 07/14/2011 | 12:23:31 | 0.019                     |
| 253        | 07/14/2011 | 12:24:31 | 0.015                     |
| 254        | 07/14/2011 | 12:25:31 | 0.014                     |
| 255        | 07/14/2011 | 12:26:31 | 0.014                     |
| 256        | 07/14/2011 | 12:27:31 | 0.014                     |
| 257        | 07/14/2011 | 12:28:31 | 0.015                     |
| 258        | 07/14/2011 | 12:29:31 | 0.014                     |
| 259        | 07/14/2011 | 12:30:31 | 0.013                     |
| 260        | 07/14/2011 | 12:31:31 | 0.015                     |
| 261        | 07/14/2011 | 12:32:31 | 0.014                     |
| 262        | 07/14/2011 | 12:33:31 | 0.015                     |
| 263        | 07/14/2011 | 12:34:31 | 0.014                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 264        | 07/14/2011 | 12:35:31 | 0.013                     |
| 265        | 07/14/2011 | 12:36:31 | 0.012                     |
| 266        | 07/14/2011 | 12:37:31 | 0.013                     |
| 267        | 07/14/2011 | 12:38:31 | 0.013                     |
| 268        | 07/14/2011 | 12:39:31 | 0.013                     |
| 269        | 07/14/2011 | 12:40:31 | 0.013                     |
| 270        | 07/14/2011 | 12:41:31 | 0.013                     |
| 271        | 07/14/2011 | 12:42:31 | 0.013                     |
| 272        | 07/14/2011 | 12:43:31 | 0.020                     |
| 273        | 07/14/2011 | 12:44:31 | 0.014                     |
| 274        | 07/14/2011 | 12:45:31 | 0.013                     |
| 275        | 07/14/2011 | 12:46:31 | 0.014                     |
| 276        | 07/14/2011 | 12:47:31 | 0.012                     |
| 277        | 07/14/2011 | 12:48:31 | 0.013                     |
| 278        | 07/14/2011 | 12:49:31 | 0.012                     |
| 279        | 07/14/2011 | 12:50:31 | 0.016                     |
| 280        | 07/14/2011 | 12:51:31 | 0.013                     |
| 281        | 07/14/2011 | 12:52:31 | 0.016                     |
| 282        | 07/14/2011 | 12:53:31 | 0.016                     |
| 283        | 07/14/2011 | 12:54:31 | 0.013                     |
| 284        | 07/14/2011 | 12:55:31 | 0.012                     |
| 285        | 07/14/2011 | 12:56:31 | 0.014                     |
| 286        | 07/14/2011 | 12:57:31 | 0.013                     |
| 287        | 07/14/2011 | 12:58:31 | 0.013                     |
| 288        | 07/14/2011 | 12:59:31 | 0.016                     |
| 289        | 07/14/2011 | 13:00:31 | 0.014                     |
| 290        | 07/14/2011 | 13:01:31 | 0.014                     |
| 291        | 07/14/2011 | 13:02:31 | 0.013                     |
| 292        | 07/14/2011 | 13:03:31 | 0.012                     |
| 293        | 07/14/2011 | 13:04:31 | 0.012                     |
| 294        | 07/14/2011 | 13:05:31 | 0.012                     |
| 295        | 07/14/2011 | 13:06:31 | 0.013                     |
| 296        | 07/14/2011 | 13:07:31 | 0.012                     |
| 297        | 07/14/2011 | 13:08:31 | 0.013                     |
| 298        | 07/14/2011 | 13:09:31 | 0.012                     |
| 299        | 07/14/2011 | 13:10:31 | 0.012                     |
| 300        | 07/14/2011 | 13:11:31 | 0.012                     |
| 301        | 07/14/2011 | 13:12:31 | 0.012                     |
| 302        | 07/14/2011 | 13:13:31 | 0.011                     |
| 303        | 07/14/2011 | 13:14:31 | 0.012                     |
| 304        | 07/14/2011 | 13:15:31 | 0.012                     |
| 305        | 07/14/2011 | 13:16:31 | 0.012                     |
| 306        | 07/14/2011 | 13:17:31 | 0.012                     |
| 307        | 07/14/2011 | 13:18:31 | 0.014                     |
| 308        | 07/14/2011 | 13:19:31 | 0.016                     |
| 309        | 07/14/2011 | 13:20:31 | 0.012                     |
| 310        | 07/14/2011 | 13:21:31 | 0.013                     |
| 311        | 07/14/2011 | 13:22:31 | 0.011                     |
| 312        | 07/14/2011 | 13:23:31 | 0.012                     |
| 313        | 07/14/2011 | 13:24:31 | 0.011                     |
| 314        | 07/14/2011 | 13:25:31 | 0.012                     |
| 315        | 07/14/2011 | 13:26:31 | 0.011                     |
| 316        | 07/14/2011 | 13:27:31 | 0.012                     |
| 317        | 07/14/2011 | 13:28:31 | 0.012                     |
| 318        | 07/14/2011 | 13:29:31 | 0.012                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 319        | 07/14/2011 | 13:30:31 | 0.012                     |
| 320        | 07/14/2011 | 13:31:31 | 0.011                     |
| 321        | 07/14/2011 | 13:32:31 | 0.011                     |
| 322        | 07/14/2011 | 13:33:31 | 0.012                     |
| 323        | 07/14/2011 | 13:34:31 | 0.013                     |
| 324        | 07/14/2011 | 13:35:31 | 0.014                     |
| 325        | 07/14/2011 | 13:36:31 | 0.014                     |
| 326        | 07/14/2011 | 13:37:31 | 0.015                     |
| 327        | 07/14/2011 | 13:38:31 | 0.014                     |
| 328        | 07/14/2011 | 13:39:31 | 0.012                     |
| 329        | 07/14/2011 | 13:40:31 | 0.012                     |
| 330        | 07/14/2011 | 13:41:31 | 0.011                     |
| 331        | 07/14/2011 | 13:42:31 | 0.011                     |
| 332        | 07/14/2011 | 13:43:31 | 0.012                     |
| 333        | 07/14/2011 | 13:44:31 | 0.012                     |
| 334        | 07/14/2011 | 13:45:31 | 0.013                     |
| 335        | 07/14/2011 | 13:46:31 | 0.012                     |
| 336        | 07/14/2011 | 13:47:31 | 0.012                     |
| 337        | 07/14/2011 | 13:48:31 | 0.011                     |
| 338        | 07/14/2011 | 13:49:31 | 0.011                     |
| 339        | 07/14/2011 | 13:50:31 | 0.011                     |
| 340        | 07/14/2011 | 13:51:31 | 0.012                     |
| 341        | 07/14/2011 | 13:52:31 | 0.013                     |
| 342        | 07/14/2011 | 13:53:31 | 0.011                     |
| 343        | 07/14/2011 | 13:54:31 | 0.011                     |
| 344        | 07/14/2011 | 13:55:31 | 0.011                     |
| 345        | 07/14/2011 | 13:56:31 | 0.012                     |
| 346        | 07/14/2011 | 13:57:31 | 0.011                     |
| 347        | 07/14/2011 | 13:58:31 | 0.012                     |
| 348        | 07/14/2011 | 13:59:31 | 0.011                     |
| 349        | 07/14/2011 | 14:00:31 | 0.011                     |
| 350        | 07/14/2011 | 14:01:31 | 0.011                     |
| 351        | 07/14/2011 | 14:02:31 | 0.011                     |
| 352        | 07/14/2011 | 14:03:31 | 0.012                     |
| 353        | 07/14/2011 | 14:04:31 | 0.011                     |
| 354        | 07/14/2011 | 14:05:31 | 0.011                     |
| 355        | 07/14/2011 | 14:06:31 | 0.011                     |
| 356        | 07/14/2011 | 14:07:31 | 0.012                     |
| 357        | 07/14/2011 | 14:08:31 | 0.011                     |
| 358        | 07/14/2011 | 14:09:31 | 0.011                     |
| 359        | 07/14/2011 | 14:10:31 | 0.011                     |
| 360        | 07/14/2011 | 14:11:31 | 0.012                     |
| 361        | 07/14/2011 | 14:12:31 | 0.012                     |
| 362        | 07/14/2011 | 14:13:31 | 0.012                     |
| 363        | 07/14/2011 | 14:14:31 | 0.011                     |
| 364        | 07/14/2011 | 14:15:31 | 0.013                     |
| 365        | 07/14/2011 | 14:16:31 | 0.019                     |
| 366        | 07/14/2011 | 14:17:31 | 0.014                     |
| 367        | 07/14/2011 | 14:18:31 | 0.013                     |
| 368        | 07/14/2011 | 14:19:31 | 0.012                     |
| 369        | 07/14/2011 | 14:20:31 | 0.011                     |
| 370        | 07/14/2011 | 14:21:31 | 0.012                     |
| 371        | 07/14/2011 | 14:22:31 | 0.012                     |
| 372        | 07/14/2011 | 14:23:31 | 0.012                     |
| 373        | 07/14/2011 | 14:24:31 | 0.012                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 374        | 07/14/2011 | 14:25:31 | 0.012                     |
| 375        | 07/14/2011 | 14:26:31 | 0.013                     |
| 376        | 07/14/2011 | 14:27:31 | 0.013                     |
| 377        | 07/14/2011 | 14:28:31 | 0.012                     |
| 378        | 07/14/2011 | 14:29:31 | 0.012                     |
| 379        | 07/14/2011 | 14:30:31 | 0.012                     |
| 380        | 07/14/2011 | 14:31:31 | 0.012                     |
| 381        | 07/14/2011 | 14:32:31 | 0.012                     |
| 382        | 07/14/2011 | 14:33:31 | 0.011                     |
| 383        | 07/14/2011 | 14:34:31 | 0.011                     |
| 384        | 07/14/2011 | 14:35:31 | 0.011                     |
| 385        | 07/14/2011 | 14:36:31 | 0.011                     |
| 386        | 07/14/2011 | 14:37:31 | 0.011                     |
| 387        | 07/14/2011 | 14:38:31 | 0.011                     |
| 388        | 07/14/2011 | 14:39:31 | 0.012                     |
| 389        | 07/14/2011 | 14:40:31 | 0.011                     |
| 390        | 07/14/2011 | 14:41:31 | 0.012                     |
| 391        | 07/14/2011 | 14:42:31 | 0.012                     |
| 392        | 07/14/2011 | 14:43:31 | 0.012                     |
| 393        | 07/14/2011 | 14:44:31 | 0.011                     |
| 394        | 07/14/2011 | 14:45:31 | 0.012                     |
| 395        | 07/14/2011 | 14:46:31 | 0.015                     |
| 396        | 07/14/2011 | 14:47:31 | 0.011                     |
| 397        | 07/14/2011 | 14:48:31 | 0.012                     |
| 398        | 07/14/2011 | 14:49:31 | 0.012                     |
| 399        | 07/14/2011 | 14:50:31 | 0.012                     |
| 400        | 07/14/2011 | 14:51:31 | 0.017                     |
| 401        | 07/14/2011 | 14:52:31 | 0.013                     |
| 402        | 07/14/2011 | 14:53:31 | 0.013                     |
| 403        | 07/14/2011 | 14:54:31 | 0.013                     |
| 404        | 07/14/2011 | 14:55:31 | 0.012                     |
| 405        | 07/14/2011 | 14:56:31 | 0.011                     |
| 406        | 07/14/2011 | 14:57:31 | 0.012                     |
| 407        | 07/14/2011 | 14:58:31 | 0.014                     |
| 408        | 07/14/2011 | 14:59:31 | 0.013                     |
| 409        | 07/14/2011 | 15:00:31 | 0.012                     |
| 410        | 07/14/2011 | 15:01:31 | 0.013                     |
| 411        | 07/14/2011 | 15:02:31 | 0.012                     |
| 412        | 07/14/2011 | 15:03:31 | 0.012                     |
| 413        | 07/14/2011 | 15:04:31 | 0.014                     |
| 414        | 07/14/2011 | 15:05:31 | 0.012                     |
| 415        | 07/14/2011 | 15:06:31 | 0.013                     |
| 416        | 07/14/2011 | 15:07:31 | 0.012                     |
| 417        | 07/14/2011 | 15:08:31 | 0.013                     |
| 418        | 07/14/2011 | 15:09:31 | 0.012                     |
| 419        | 07/14/2011 | 15:10:31 | 0.013                     |
| 420        | 07/14/2011 | 15:11:31 | 0.012                     |
| 421        | 07/14/2011 | 15:12:31 | 0.012                     |
| 422        | 07/14/2011 | 15:13:31 | 0.012                     |
| 423        | 07/14/2011 | 15:14:31 | 0.012                     |
| 424        | 07/14/2011 | 15:15:31 | 0.014                     |
| 425        | 07/14/2011 | 15:16:31 | 0.012                     |
| 426        | 07/14/2011 | 15:17:31 | 0.012                     |
| 427        | 07/14/2011 | 15:18:31 | 0.013                     |
| 428        | 07/14/2011 | 15:19:31 | 0.020                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 429        | 07/14/2011 | 15:20:31 | 0.012                     |
| 430        | 07/14/2011 | 15:21:31 | 0.012                     |
| 431        | 07/14/2011 | 15:22:31 | 0.013                     |
| 432        | 07/14/2011 | 15:23:31 | 0.013                     |
| 433        | 07/14/2011 | 15:24:31 | 0.012                     |
| 434        | 07/14/2011 | 15:25:31 | 0.015                     |
| 435        | 07/14/2011 | 15:26:31 | 0.015                     |
| 436        | 07/14/2011 | 15:27:31 | 0.018                     |
| 437        | 07/14/2011 | 15:28:31 | 0.013                     |
| 438        | 07/14/2011 | 15:29:31 | 0.014                     |
| 439        | 07/14/2011 | 15:30:31 | 0.013                     |
| 440        | 07/14/2011 | 15:31:31 | 0.012                     |
| 441        | 07/14/2011 | 15:32:31 | 0.013                     |
| 442        | 07/14/2011 | 15:33:31 | 0.012                     |
| 443        | 07/14/2011 | 15:34:31 | 0.012                     |
| 444        | 07/14/2011 | 15:35:31 | 0.012                     |
| 445        | 07/14/2011 | 15:36:31 | 0.012                     |
| 446        | 07/14/2011 | 15:37:31 | 0.012                     |
| 447        | 07/14/2011 | 15:38:31 | 0.012                     |
| 448        | 07/14/2011 | 15:39:31 | 0.012                     |
| 449        | 07/14/2011 | 15:40:31 | 0.012                     |
| 450        | 07/14/2011 | 15:41:31 | 0.015                     |
| 451        | 07/14/2011 | 15:42:31 | 0.013                     |
| 452        | 07/14/2011 | 15:43:31 | 0.011                     |
| 453        | 07/14/2011 | 15:44:31 | 0.012                     |
| 454        | 07/14/2011 | 15:45:31 | 0.012                     |
| 455        | 07/14/2011 | 15:46:31 | 0.012                     |
| 456        | 07/14/2011 | 15:47:31 | 0.013                     |
| 457        | 07/14/2011 | 15:48:31 | 0.013                     |
| 458        | 07/14/2011 | 15:49:31 | 0.013                     |
| 459        | 07/14/2011 | 15:50:31 | 0.013                     |
| 460        | 07/14/2011 | 15:51:31 | 0.013                     |
| 461        | 07/14/2011 | 15:52:31 | 0.014                     |
| 462        | 07/14/2011 | 15:53:31 | 0.013                     |
| 463        | 07/14/2011 | 15:54:31 | 0.012                     |
| 464        | 07/14/2011 | 15:55:31 | 0.012                     |
| 465        | 07/14/2011 | 15:56:31 | 0.012                     |
| 466        | 07/14/2011 | 15:57:31 | 0.013                     |
| 467        | 07/14/2011 | 15:58:31 | 0.013                     |
| 468        | 07/14/2011 | 15:59:31 | 0.012                     |
| 469        | 07/14/2011 | 16:00:31 | 0.012                     |
| 470        | 07/14/2011 | 16:01:31 | 0.012                     |
| 471        | 07/14/2011 | 16:02:31 | 0.012                     |
| 472        | 07/14/2011 | 16:03:31 | 0.012                     |
| 473        | 07/14/2011 | 16:04:31 | 0.012                     |
| 474        | 07/14/2011 | 16:05:31 | 0.012                     |
| 475        | 07/14/2011 | 16:06:31 | 0.013                     |
| 476        | 07/14/2011 | 16:07:31 | 0.013                     |
| 477        | 07/14/2011 | 16:08:31 | 0.012                     |
| 478        | 07/14/2011 | 16:09:31 | 0.012                     |
| 479        | 07/14/2011 | 16:10:31 | 0.013                     |
| 480        | 07/14/2011 | 16:11:31 | 0.011                     |
| 481        | 07/14/2011 | 16:12:31 | 0.012                     |
| 482        | 07/14/2011 | 16:13:31 | 0.014                     |
| 483        | 07/14/2011 | 16:14:31 | 0.012                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 484        | 07/14/2011 | 16:15:31 | 0.013                     |
| 485        | 07/14/2011 | 16:16:31 | 0.011                     |
| 486        | 07/14/2011 | 16:17:31 | 0.020                     |
| 487        | 07/14/2011 | 16:18:31 | 0.072                     |
| 488        | 07/14/2011 | 16:19:31 | 0.016                     |
| 489        | 07/14/2011 | 16:20:31 | 0.014                     |
| 490        | 07/14/2011 | 16:21:31 | 0.018                     |
| 491        | 07/14/2011 | 16:22:31 | 0.012                     |
| 492        | 07/14/2011 | 16:23:31 | 0.011                     |
| 493        | 07/14/2011 | 16:24:31 | 0.011                     |
| 494        | 07/14/2011 | 16:25:31 | 0.012                     |
| 495        | 07/14/2011 | 16:26:31 | 0.012                     |
| 496        | 07/14/2011 | 16:27:31 | 0.012                     |
| 497        | 07/14/2011 | 16:28:31 | 0.012                     |
| 498        | 07/14/2011 | 16:29:31 | 0.028                     |

# Test 008

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 07/14/2011  |
| Meter S/N  | 85201065  | Start Time       | 08:10:36    |
|            |           | Stop Date        | 07/14/2011  |
|            |           | Stop Time        | 16:25:36    |
|            |           | Total Time       | 0:08:15:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 07/14/2011 | 08:15:36 | 0.010                     |
| 2          | 07/14/2011 | 08:20:36 | 0.010                     |
| 3          | 07/14/2011 | 08:25:36 | 0.010                     |
| 4          | 07/14/2011 | 08:30:36 | 0.009                     |
| 5          | 07/14/2011 | 08:35:36 | 0.010                     |
| 6          | 07/14/2011 | 08:40:36 | 0.010                     |
| 7          | 07/14/2011 | 08:45:36 | 0.010                     |
| 8          | 07/14/2011 | 08:50:36 | 0.010                     |
| 9          | 07/14/2011 | 08:55:36 | 0.009                     |
| 10         | 07/14/2011 | 09:00:36 | 0.009                     |
| 11         | 07/14/2011 | 09:05:36 | 0.010                     |
| 12         | 07/14/2011 | 09:10:36 | 0.009                     |
| 13         | 07/14/2011 | 09:15:36 | 0.010                     |
| 14         | 07/14/2011 | 09:20:36 | 0.011                     |
| 15         | 07/14/2011 | 09:25:36 | 0.010                     |
| 16         | 07/14/2011 | 09:30:36 | 0.011                     |
| 17         | 07/14/2011 | 09:35:36 | 0.010                     |
| 18         | 07/14/2011 | 09:40:36 | 0.013                     |
| 19         | 07/14/2011 | 09:45:36 | 0.011                     |
| 20         | 07/14/2011 | 09:50:36 | 0.011                     |
| 21         | 07/14/2011 | 09:55:36 | 0.016                     |
| 22         | 07/14/2011 | 10:00:36 | 0.011                     |
| 23         | 07/14/2011 | 10:05:36 | 0.013                     |
| 24         | 07/14/2011 | 10:10:36 | 0.012                     |
| 25         | 07/14/2011 | 10:15:36 | 0.012                     |
| 26         | 07/14/2011 | 10:20:36 | 0.012                     |
| 27         | 07/14/2011 | 10:25:36 | 0.012                     |
| 28         | 07/14/2011 | 10:30:36 | 0.032                     |
| 29         | 07/14/2011 | 10:35:36 | 0.028                     |
| 30         | 07/14/2011 | 10:40:36 | 0.070                     |
| 31         | 07/14/2011 | 10:45:36 | 0.025                     |
| 32         | 07/14/2011 | 10:50:36 | 0.026                     |
| 33         | 07/14/2011 | 10:55:36 | 0.016                     |
| 34         | 07/14/2011 | 11:00:36 | 0.026                     |
| 35         | 07/14/2011 | 11:05:36 | 0.021                     |
| 36         | 07/14/2011 | 11:10:36 | 0.021                     |
| 37         | 07/14/2011 | 11:15:36 | 0.027                     |
| 38         | 07/14/2011 | 11:20:36 | 0.035                     |
| 39         | 07/14/2011 | 11:25:36 | 0.012                     |
| 40         | 07/14/2011 | 11:30:36 | 0.010                     |
| 41         | 07/14/2011 | 11:35:36 | 0.013                     |
| 42         | 07/14/2011 | 11:40:36 | 0.016                     |
| 43         | 07/14/2011 | 11:45:36 | 0.019                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 07/14/2011 | 11:50:36 | 0.010                     |
| 45         | 07/14/2011 | 11:55:36 | 0.022                     |
| 46         | 07/14/2011 | 12:00:36 | 0.009                     |
| 47         | 07/14/2011 | 12:05:36 | 0.011                     |
| 48         | 07/14/2011 | 12:10:36 | 0.017                     |
| 49         | 07/14/2011 | 12:15:36 | 0.012                     |
| 50         | 07/14/2011 | 12:20:36 | 0.010                     |
| 51         | 07/14/2011 | 12:25:36 | 0.010                     |
| 52         | 07/14/2011 | 12:30:36 | 0.010                     |
| 53         | 07/14/2011 | 12:35:36 | 0.010                     |
| 54         | 07/14/2011 | 12:40:36 | 0.010                     |
| 55         | 07/14/2011 | 12:45:36 | 0.010                     |
| 56         | 07/14/2011 | 12:50:36 | 0.011                     |
| 57         | 07/14/2011 | 12:55:36 | 0.014                     |
| 58         | 07/14/2011 | 13:00:36 | 0.011                     |
| 59         | 07/14/2011 | 13:05:36 | 0.013                     |
| 60         | 07/14/2011 | 13:10:36 | 0.015                     |
| 61         | 07/14/2011 | 13:15:36 | 0.010                     |
| 62         | 07/14/2011 | 13:20:36 | 0.024                     |
| 63         | 07/14/2011 | 13:25:36 | 0.011                     |
| 64         | 07/14/2011 | 13:30:36 | 0.014                     |
| 65         | 07/14/2011 | 13:35:36 | 0.015                     |
| 66         | 07/14/2011 | 13:40:36 | 0.011                     |
| 67         | 07/14/2011 | 13:45:36 | 0.022                     |
| 68         | 07/14/2011 | 13:50:36 | 0.022                     |
| 69         | 07/14/2011 | 13:55:36 | 0.017                     |
| 70         | 07/14/2011 | 14:00:36 | 0.019                     |
| 71         | 07/14/2011 | 14:05:36 | 0.019                     |
| 72         | 07/14/2011 | 14:10:36 | 0.010                     |
| 73         | 07/14/2011 | 14:15:36 | 0.037                     |
| 74         | 07/14/2011 | 14:20:36 | 0.024                     |
| 75         | 07/14/2011 | 14:25:36 | 0.040                     |
| 76         | 07/14/2011 | 14:30:36 | 0.031                     |
| 77         | 07/14/2011 | 14:35:36 | 0.036                     |
| 78         | 07/14/2011 | 14:40:36 | 0.021                     |
| 79         | 07/14/2011 | 14:45:36 | 0.029                     |
| 80         | 07/14/2011 | 14:50:36 | 0.033                     |
| 81         | 07/14/2011 | 14:55:36 | 0.030                     |
| 82         | 07/14/2011 | 15:00:36 | 0.021                     |
| 83         | 07/14/2011 | 15:05:36 | 0.026                     |
| 84         | 07/14/2011 | 15:10:36 | 0.012                     |
| 85         | 07/14/2011 | 15:15:36 | 0.009                     |
| 86         | 07/14/2011 | 15:20:36 | 0.012                     |
| 87         | 07/14/2011 | 15:25:36 | 0.011                     |
| 88         | 07/14/2011 | 15:30:36 | 0.010                     |
| 89         | 07/14/2011 | 15:35:36 | 0.010                     |
| 90         | 07/14/2011 | 15:40:36 | 0.010                     |
| 91         | 07/14/2011 | 15:45:36 | 0.013                     |
| 92         | 07/14/2011 | 15:50:36 | 0.012                     |
| 93         | 07/14/2011 | 15:55:36 | 0.012                     |
| 94         | 07/14/2011 | 16:00:36 | 0.010                     |
| 95         | 07/14/2011 | 16:05:36 | 0.012                     |
| 96         | 07/14/2011 | 16:10:36 | 0.011                     |
| 97         | 07/14/2011 | 16:15:36 | 0.010                     |
| 98         | 07/14/2011 | 16:20:36 | 0.012                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 99         | 07/14/2011 | 16:25:36 | 0.009                     |

# Test 009

| Instrument |           | Data Properties  |            |
|------------|-----------|------------------|------------|
| Model      | Dust Trak | Start Date       | 07/15/2011 |
| Meter S/N  | 85201091  | Start Time       | 09:12:30   |
|            |           | Stop Date        | 07/15/2011 |
|            |           | Stop Time        | 16:16:30   |
|            |           | Total Time       | 0:07:04:00 |
|            |           | Logging Interval | 60 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 07/15/2011 | 09:13:30 | 0.074                     |
| 2          | 07/15/2011 | 09:14:30 | 0.014                     |
| 3          | 07/15/2011 | 09:15:30 | 0.017                     |
| 4          | 07/15/2011 | 09:16:30 | 0.016                     |
| 5          | 07/15/2011 | 09:17:30 | 0.016                     |
| 6          | 07/15/2011 | 09:18:30 | 0.018                     |
| 7          | 07/15/2011 | 09:19:30 | 0.016                     |
| 8          | 07/15/2011 | 09:20:30 | 0.016                     |
| 9          | 07/15/2011 | 09:21:30 | 0.014                     |
| 10         | 07/15/2011 | 09:22:30 | 0.015                     |
| 11         | 07/15/2011 | 09:23:30 | 0.015                     |
| 12         | 07/15/2011 | 09:24:30 | 0.016                     |
| 13         | 07/15/2011 | 09:25:30 | 0.014                     |
| 14         | 07/15/2011 | 09:26:30 | 0.015                     |
| 15         | 07/15/2011 | 09:27:30 | 0.017                     |
| 16         | 07/15/2011 | 09:28:30 | 0.015                     |
| 17         | 07/15/2011 | 09:29:30 | 0.015                     |
| 18         | 07/15/2011 | 09:30:30 | 0.016                     |
| 19         | 07/15/2011 | 09:31:30 | 0.016                     |
| 20         | 07/15/2011 | 09:32:30 | 0.019                     |
| 21         | 07/15/2011 | 09:33:30 | 0.022                     |
| 22         | 07/15/2011 | 09:34:30 | 0.020                     |
| 23         | 07/15/2011 | 09:35:30 | 0.017                     |
| 24         | 07/15/2011 | 09:36:30 | 0.020                     |
| 25         | 07/15/2011 | 09:37:30 | 0.018                     |
| 26         | 07/15/2011 | 09:38:30 | 0.018                     |
| 27         | 07/15/2011 | 09:39:30 | 0.015                     |
| 28         | 07/15/2011 | 09:40:30 | 0.017                     |
| 29         | 07/15/2011 | 09:41:30 | 0.021                     |
| 30         | 07/15/2011 | 09:42:30 | 0.016                     |
| 31         | 07/15/2011 | 09:43:30 | 0.017                     |
| 32         | 07/15/2011 | 09:44:30 | 0.015                     |
| 33         | 07/15/2011 | 09:45:30 | 0.019                     |
| 34         | 07/15/2011 | 09:46:30 | 0.023                     |
| 35         | 07/15/2011 | 09:47:30 | 0.019                     |
| 36         | 07/15/2011 | 09:48:30 | 0.022                     |
| 37         | 07/15/2011 | 09:49:30 | 0.025                     |
| 38         | 07/15/2011 | 09:50:30 | 0.023                     |
| 39         | 07/15/2011 | 09:51:30 | 0.029                     |
| 40         | 07/15/2011 | 09:52:30 | 0.016                     |
| 41         | 07/15/2011 | 09:53:30 | 0.015                     |
| 42         | 07/15/2011 | 09:54:30 | 0.015                     |
| 43         | 07/15/2011 | 09:55:30 | 0.018                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 07/15/2011 | 09:56:30 | 0.018                     |
| 45         | 07/15/2011 | 09:57:30 | 0.021                     |
| 46         | 07/15/2011 | 09:58:30 | 0.014                     |
| 47         | 07/15/2011 | 09:59:30 | 0.037                     |
| 48         | 07/15/2011 | 10:00:30 | 0.024                     |
| 49         | 07/15/2011 | 10:01:30 | 0.015                     |
| 50         | 07/15/2011 | 10:02:30 | 0.016                     |
| 51         | 07/15/2011 | 10:03:30 | 0.015                     |
| 52         | 07/15/2011 | 10:04:30 | 0.014                     |
| 53         | 07/15/2011 | 10:05:30 | 0.016                     |
| 54         | 07/15/2011 | 10:06:30 | 0.014                     |
| 55         | 07/15/2011 | 10:07:30 | 0.014                     |
| 56         | 07/15/2011 | 10:08:30 | 0.014                     |
| 57         | 07/15/2011 | 10:09:30 | 0.015                     |
| 58         | 07/15/2011 | 10:10:30 | 0.022                     |
| 59         | 07/15/2011 | 10:11:30 | 0.016                     |
| 60         | 07/15/2011 | 10:12:30 | 0.015                     |
| 61         | 07/15/2011 | 10:13:30 | 0.015                     |
| 62         | 07/15/2011 | 10:14:30 | 0.015                     |
| 63         | 07/15/2011 | 10:15:30 | 0.015                     |
| 64         | 07/15/2011 | 10:16:30 | 0.016                     |
| 65         | 07/15/2011 | 10:17:30 | 0.014                     |
| 66         | 07/15/2011 | 10:18:30 | 0.014                     |
| 67         | 07/15/2011 | 10:19:30 | 0.016                     |
| 68         | 07/15/2011 | 10:20:30 | 0.015                     |
| 69         | 07/15/2011 | 10:21:30 | 0.017                     |
| 70         | 07/15/2011 | 10:22:30 | 0.021                     |
| 71         | 07/15/2011 | 10:23:30 | 0.016                     |
| 72         | 07/15/2011 | 10:24:30 | 0.015                     |
| 73         | 07/15/2011 | 10:25:30 | 0.016                     |
| 74         | 07/15/2011 | 10:26:30 | 0.017                     |
| 75         | 07/15/2011 | 10:27:30 | 0.014                     |
| 76         | 07/15/2011 | 10:28:30 | 0.012                     |
| 77         | 07/15/2011 | 10:29:30 | 0.016                     |
| 78         | 07/15/2011 | 10:30:30 | 0.016                     |
| 79         | 07/15/2011 | 10:31:30 | 0.018                     |
| 80         | 07/15/2011 | 10:32:30 | 0.013                     |
| 81         | 07/15/2011 | 10:33:30 | 0.014                     |
| 82         | 07/15/2011 | 10:34:30 | 0.014                     |
| 83         | 07/15/2011 | 10:35:30 | 0.024                     |
| 84         | 07/15/2011 | 10:36:30 | 0.020                     |
| 85         | 07/15/2011 | 10:37:30 | 0.018                     |
| 86         | 07/15/2011 | 10:38:30 | 0.015                     |
| 87         | 07/15/2011 | 10:39:30 | 0.015                     |
| 88         | 07/15/2011 | 10:40:30 | 0.014                     |
| 89         | 07/15/2011 | 10:41:30 | 0.016                     |
| 90         | 07/15/2011 | 10:42:30 | 0.019                     |
| 91         | 07/15/2011 | 10:43:30 | 0.016                     |
| 92         | 07/15/2011 | 10:44:30 | 0.019                     |
| 93         | 07/15/2011 | 10:45:30 | 0.020                     |
| 94         | 07/15/2011 | 10:46:30 | 0.016                     |
| 95         | 07/15/2011 | 10:47:30 | 0.016                     |
| 96         | 07/15/2011 | 10:48:30 | 0.024                     |
| 97         | 07/15/2011 | 10:49:30 | 0.017                     |
| 98         | 07/15/2011 | 10:50:30 | 0.015                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 99         | 07/15/2011 | 10:51:30 | 0.016                     |
| 100        | 07/15/2011 | 10:52:30 | 0.016                     |
| 101        | 07/15/2011 | 10:53:30 | 0.014                     |
| 102        | 07/15/2011 | 10:54:30 | 0.018                     |
| 103        | 07/15/2011 | 10:55:30 | 0.016                     |
| 104        | 07/15/2011 | 10:56:30 | 0.015                     |
| 105        | 07/15/2011 | 10:57:30 | 0.015                     |
| 106        | 07/15/2011 | 10:58:30 | 0.016                     |
| 107        | 07/15/2011 | 10:59:30 | 0.015                     |
| 108        | 07/15/2011 | 11:00:30 | 0.014                     |
| 109        | 07/15/2011 | 11:01:30 | 0.015                     |
| 110        | 07/15/2011 | 11:02:30 | 0.020                     |
| 111        | 07/15/2011 | 11:03:30 | 0.036                     |
| 112        | 07/15/2011 | 11:04:30 | 0.015                     |
| 113        | 07/15/2011 | 11:05:30 | 0.017                     |
| 114        | 07/15/2011 | 11:06:30 | 0.017                     |
| 115        | 07/15/2011 | 11:07:30 | 0.015                     |
| 116        | 07/15/2011 | 11:08:30 | 0.016                     |
| 117        | 07/15/2011 | 11:09:30 | 0.015                     |
| 118        | 07/15/2011 | 11:10:30 | 0.058                     |
| 119        | 07/15/2011 | 11:11:30 | 0.016                     |
| 120        | 07/15/2011 | 11:12:30 | 0.016                     |
| 121        | 07/15/2011 | 11:13:30 | 0.014                     |
| 122        | 07/15/2011 | 11:14:30 | 0.015                     |
| 123        | 07/15/2011 | 11:15:30 | 0.016                     |
| 124        | 07/15/2011 | 11:16:30 | 0.017                     |
| 125        | 07/15/2011 | 11:17:30 | 0.017                     |
| 126        | 07/15/2011 | 11:18:30 | 0.018                     |
| 127        | 07/15/2011 | 11:19:30 | 0.017                     |
| 128        | 07/15/2011 | 11:20:30 | 0.016                     |
| 129        | 07/15/2011 | 11:21:30 | 0.017                     |
| 130        | 07/15/2011 | 11:22:30 | 0.015                     |
| 131        | 07/15/2011 | 11:23:30 | 0.016                     |
| 132        | 07/15/2011 | 11:24:30 | 0.018                     |
| 133        | 07/15/2011 | 11:25:30 | 0.018                     |
| 134        | 07/15/2011 | 11:26:30 | 0.020                     |
| 135        | 07/15/2011 | 11:27:30 | 0.017                     |
| 136        | 07/15/2011 | 11:28:30 | 0.015                     |
| 137        | 07/15/2011 | 11:29:30 | 0.014                     |
| 138        | 07/15/2011 | 11:30:30 | 0.014                     |
| 139        | 07/15/2011 | 11:31:30 | 0.014                     |
| 140        | 07/15/2011 | 11:32:30 | 0.014                     |
| 141        | 07/15/2011 | 11:33:30 | 0.014                     |
| 142        | 07/15/2011 | 11:34:30 | 0.015                     |
| 143        | 07/15/2011 | 11:35:30 | 0.015                     |
| 144        | 07/15/2011 | 11:36:30 | 0.019                     |
| 145        | 07/15/2011 | 11:37:30 | 0.016                     |
| 146        | 07/15/2011 | 11:38:30 | 0.016                     |
| 147        | 07/15/2011 | 11:39:30 | 0.017                     |
| 148        | 07/15/2011 | 11:40:30 | 0.015                     |
| 149        | 07/15/2011 | 11:41:30 | 0.015                     |
| 150        | 07/15/2011 | 11:42:30 | 0.015                     |
| 151        | 07/15/2011 | 11:43:30 | 0.018                     |
| 152        | 07/15/2011 | 11:44:30 | 0.016                     |
| 153        | 07/15/2011 | 11:45:30 | 0.016                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 154        | 07/15/2011 | 11:46:30 | 0.015                     |
| 155        | 07/15/2011 | 11:47:30 | 0.015                     |
| 156        | 07/15/2011 | 11:48:30 | 0.017                     |
| 157        | 07/15/2011 | 11:49:30 | 0.015                     |
| 158        | 07/15/2011 | 11:50:30 | 0.015                     |
| 159        | 07/15/2011 | 11:51:30 | 0.016                     |
| 160        | 07/15/2011 | 11:52:30 | 0.017                     |
| 161        | 07/15/2011 | 11:53:30 | 0.018                     |
| 162        | 07/15/2011 | 11:54:30 | 0.015                     |
| 163        | 07/15/2011 | 11:55:30 | 0.015                     |
| 164        | 07/15/2011 | 11:56:30 | 0.014                     |
| 165        | 07/15/2011 | 11:57:30 | 0.013                     |
| 166        | 07/15/2011 | 11:58:30 | 0.013                     |
| 167        | 07/15/2011 | 11:59:30 | 0.014                     |
| 168        | 07/15/2011 | 12:00:30 | 0.013                     |
| 169        | 07/15/2011 | 12:01:30 | 0.013                     |
| 170        | 07/15/2011 | 12:02:30 | 0.014                     |
| 171        | 07/15/2011 | 12:03:30 | 0.013                     |
| 172        | 07/15/2011 | 12:04:30 | 0.013                     |
| 173        | 07/15/2011 | 12:05:30 | 0.012                     |
| 174        | 07/15/2011 | 12:06:30 | 0.012                     |
| 175        | 07/15/2011 | 12:07:30 | 0.013                     |
| 176        | 07/15/2011 | 12:08:30 | 0.012                     |
| 177        | 07/15/2011 | 12:09:30 | 0.013                     |
| 178        | 07/15/2011 | 12:10:30 | 0.012                     |
| 179        | 07/15/2011 | 12:11:30 | 0.013                     |
| 180        | 07/15/2011 | 12:12:30 | 0.013                     |
| 181        | 07/15/2011 | 12:13:30 | 0.014                     |
| 182        | 07/15/2011 | 12:14:30 | 0.013                     |
| 183        | 07/15/2011 | 12:15:30 | 0.013                     |
| 184        | 07/15/2011 | 12:16:30 | 0.012                     |
| 185        | 07/15/2011 | 12:17:30 | 0.012                     |
| 186        | 07/15/2011 | 12:18:30 | 0.014                     |
| 187        | 07/15/2011 | 12:19:30 | 0.014                     |
| 188        | 07/15/2011 | 12:20:30 | 0.012                     |
| 189        | 07/15/2011 | 12:21:30 | 0.012                     |
| 190        | 07/15/2011 | 12:22:30 | 0.011                     |
| 191        | 07/15/2011 | 12:23:30 | 0.013                     |
| 192        | 07/15/2011 | 12:24:30 | 0.012                     |
| 193        | 07/15/2011 | 12:25:30 | 0.013                     |
| 194        | 07/15/2011 | 12:26:30 | 0.014                     |
| 195        | 07/15/2011 | 12:27:30 | 0.014                     |
| 196        | 07/15/2011 | 12:28:30 | 0.013                     |
| 197        | 07/15/2011 | 12:29:30 | 0.013                     |
| 198        | 07/15/2011 | 12:30:30 | 0.014                     |
| 199        | 07/15/2011 | 12:31:30 | 0.014                     |
| 200        | 07/15/2011 | 12:32:30 | 0.015                     |
| 201        | 07/15/2011 | 12:33:30 | 0.015                     |
| 202        | 07/15/2011 | 12:34:30 | 0.023                     |
| 203        | 07/15/2011 | 12:35:30 | 0.027                     |
| 204        | 07/15/2011 | 12:36:30 | 0.021                     |
| 205        | 07/15/2011 | 12:37:30 | 0.023                     |
| 206        | 07/15/2011 | 12:38:30 | 0.021                     |
| 207        | 07/15/2011 | 12:39:30 | 0.019                     |
| 208        | 07/15/2011 | 12:40:30 | 0.017                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 209        | 07/15/2011 | 12:41:30 | 0.017                     |
| 210        | 07/15/2011 | 12:42:30 | 0.020                     |
| 211        | 07/15/2011 | 12:43:30 | 0.016                     |
| 212        | 07/15/2011 | 12:44:30 | 0.020                     |
| 213        | 07/15/2011 | 12:45:30 | 0.015                     |
| 214        | 07/15/2011 | 12:46:30 | 0.015                     |
| 215        | 07/15/2011 | 12:47:30 | 0.019                     |
| 216        | 07/15/2011 | 12:48:30 | 0.017                     |
| 217        | 07/15/2011 | 12:49:30 | 0.023                     |
| 218        | 07/15/2011 | 12:50:30 | 0.034                     |
| 219        | 07/15/2011 | 12:51:30 | 0.021                     |
| 220        | 07/15/2011 | 12:52:30 | 0.017                     |
| 221        | 07/15/2011 | 12:53:30 | 0.021                     |
| 222        | 07/15/2011 | 12:54:30 | 0.018                     |
| 223        | 07/15/2011 | 12:55:30 | 0.018                     |
| 224        | 07/15/2011 | 12:56:30 | 0.018                     |
| 225        | 07/15/2011 | 12:57:30 | 0.020                     |
| 226        | 07/15/2011 | 12:58:30 | 0.046                     |
| 227        | 07/15/2011 | 12:59:30 | 0.018                     |
| 228        | 07/15/2011 | 13:00:30 | 0.015                     |
| 229        | 07/15/2011 | 13:01:30 | 0.015                     |
| 230        | 07/15/2011 | 13:02:30 | 0.017                     |
| 231        | 07/15/2011 | 13:03:30 | 0.022                     |
| 232        | 07/15/2011 | 13:04:30 | 0.017                     |
| 233        | 07/15/2011 | 13:05:30 | 0.015                     |
| 234        | 07/15/2011 | 13:06:30 | 0.015                     |
| 235        | 07/15/2011 | 13:07:30 | 0.023                     |
| 236        | 07/15/2011 | 13:08:30 | 0.070                     |
| 237        | 07/15/2011 | 13:09:30 | 0.020                     |
| 238        | 07/15/2011 | 13:10:30 | 0.063                     |
| 239        | 07/15/2011 | 13:11:30 | 0.020                     |
| 240        | 07/15/2011 | 13:12:30 | 0.017                     |
| 241        | 07/15/2011 | 13:13:30 | 0.022                     |
| 242        | 07/15/2011 | 13:14:30 | 0.023                     |
| 243        | 07/15/2011 | 13:15:30 | 0.014                     |
| 244        | 07/15/2011 | 13:16:30 | 0.015                     |
| 245        | 07/15/2011 | 13:17:30 | 0.024                     |
| 246        | 07/15/2011 | 13:18:30 | 0.018                     |
| 247        | 07/15/2011 | 13:19:30 | 0.016                     |
| 248        | 07/15/2011 | 13:20:30 | 0.018                     |
| 249        | 07/15/2011 | 13:21:30 | 0.018                     |
| 250        | 07/15/2011 | 13:22:30 | 0.020                     |
| 251        | 07/15/2011 | 13:23:30 | 0.017                     |
| 252        | 07/15/2011 | 13:24:30 | 0.017                     |
| 253        | 07/15/2011 | 13:25:30 | 0.032                     |
| 254        | 07/15/2011 | 13:26:30 | 0.016                     |
| 255        | 07/15/2011 | 13:27:30 | 0.015                     |
| 256        | 07/15/2011 | 13:28:30 | 0.017                     |
| 257        | 07/15/2011 | 13:29:30 | 0.016                     |
| 258        | 07/15/2011 | 13:30:30 | 0.015                     |
| 259        | 07/15/2011 | 13:31:30 | 0.019                     |
| 260        | 07/15/2011 | 13:32:30 | 0.019                     |
| 261        | 07/15/2011 | 13:33:30 | 0.016                     |
| 262        | 07/15/2011 | 13:34:30 | 0.024                     |
| 263        | 07/15/2011 | 13:35:30 | 0.019                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 264        | 07/15/2011 | 13:36:30 | 0.016                     |
| 265        | 07/15/2011 | 13:37:30 | 0.017                     |
| 266        | 07/15/2011 | 13:38:30 | 0.016                     |
| 267        | 07/15/2011 | 13:39:30 | 0.017                     |
| 268        | 07/15/2011 | 13:40:30 | 0.024                     |
| 269        | 07/15/2011 | 13:41:30 | 0.018                     |
| 270        | 07/15/2011 | 13:42:30 | 0.015                     |
| 271        | 07/15/2011 | 13:43:30 | 0.017                     |
| 272        | 07/15/2011 | 13:44:30 | 0.023                     |
| 273        | 07/15/2011 | 13:45:30 | 0.015                     |
| 274        | 07/15/2011 | 13:46:30 | 0.015                     |
| 275        | 07/15/2011 | 13:47:30 | 0.014                     |
| 276        | 07/15/2011 | 13:48:30 | 0.016                     |
| 277        | 07/15/2011 | 13:49:30 | 0.016                     |
| 278        | 07/15/2011 | 13:50:30 | 0.128                     |
| 279        | 07/15/2011 | 13:51:30 | 0.013                     |
| 280        | 07/15/2011 | 13:52:30 | 0.044                     |
| 281        | 07/15/2011 | 13:53:30 | 0.041                     |
| 282        | 07/15/2011 | 13:54:30 | 0.015                     |
| 283        | 07/15/2011 | 13:55:30 | 0.014                     |
| 284        | 07/15/2011 | 13:56:30 | 0.017                     |
| 285        | 07/15/2011 | 13:57:30 | 0.017                     |
| 286        | 07/15/2011 | 13:58:30 | 0.014                     |
| 287        | 07/15/2011 | 13:59:30 | 0.013                     |
| 288        | 07/15/2011 | 14:00:30 | 0.015                     |
| 289        | 07/15/2011 | 14:01:30 | 0.014                     |
| 290        | 07/15/2011 | 14:02:30 | 0.017                     |
| 291        | 07/15/2011 | 14:03:30 | 0.015                     |
| 292        | 07/15/2011 | 14:04:30 | 0.023                     |
| 293        | 07/15/2011 | 14:05:30 | 0.019                     |
| 294        | 07/15/2011 | 14:06:30 | 0.018                     |
| 295        | 07/15/2011 | 14:07:30 | 0.043                     |
| 296        | 07/15/2011 | 14:08:30 | 0.016                     |
| 297        | 07/15/2011 | 14:09:30 | 0.013                     |
| 298        | 07/15/2011 | 14:10:30 | 0.014                     |
| 299        | 07/15/2011 | 14:11:30 | 0.024                     |
| 300        | 07/15/2011 | 14:12:30 | 0.063                     |
| 301        | 07/15/2011 | 14:13:30 | 0.022                     |
| 302        | 07/15/2011 | 14:14:30 | 0.016                     |
| 303        | 07/15/2011 | 14:15:30 | 0.017                     |
| 304        | 07/15/2011 | 14:16:30 | 0.014                     |
| 305        | 07/15/2011 | 14:17:30 | 0.013                     |
| 306        | 07/15/2011 | 14:18:30 | 0.014                     |
| 307        | 07/15/2011 | 14:19:30 | 0.015                     |
| 308        | 07/15/2011 | 14:20:30 | 0.014                     |
| 309        | 07/15/2011 | 14:21:30 | 0.015                     |
| 310        | 07/15/2011 | 14:22:30 | 0.016                     |
| 311        | 07/15/2011 | 14:23:30 | 0.013                     |
| 312        | 07/15/2011 | 14:24:30 | 0.015                     |
| 313        | 07/15/2011 | 14:25:30 | 0.017                     |
| 314        | 07/15/2011 | 14:26:30 | 0.015                     |
| 315        | 07/15/2011 | 14:27:30 | 0.012                     |
| 316        | 07/15/2011 | 14:28:30 | 0.021                     |
| 317        | 07/15/2011 | 14:29:30 | 0.013                     |
| 318        | 07/15/2011 | 14:30:30 | 0.013                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 319        | 07/15/2011 | 14:31:30 | 0.016                     |
| 320        | 07/15/2011 | 14:32:30 | 0.017                     |
| 321        | 07/15/2011 | 14:33:30 | 0.014                     |
| 322        | 07/15/2011 | 14:34:30 | 0.013                     |
| 323        | 07/15/2011 | 14:35:30 | 0.013                     |
| 324        | 07/15/2011 | 14:36:30 | 0.016                     |
| 325        | 07/15/2011 | 14:37:30 | 0.014                     |
| 326        | 07/15/2011 | 14:38:30 | 0.013                     |
| 327        | 07/15/2011 | 14:39:30 | 0.013                     |
| 328        | 07/15/2011 | 14:40:30 | 0.014                     |
| 329        | 07/15/2011 | 14:41:30 | 0.013                     |
| 330        | 07/15/2011 | 14:42:30 | 0.013                     |
| 331        | 07/15/2011 | 14:43:30 | 0.013                     |
| 332        | 07/15/2011 | 14:44:30 | 0.014                     |
| 333        | 07/15/2011 | 14:45:30 | 0.014                     |
| 334        | 07/15/2011 | 14:46:30 | 0.014                     |
| 335        | 07/15/2011 | 14:47:30 | 0.014                     |
| 336        | 07/15/2011 | 14:48:30 | 0.017                     |
| 337        | 07/15/2011 | 14:49:30 | 0.018                     |
| 338        | 07/15/2011 | 14:50:30 | 0.013                     |
| 339        | 07/15/2011 | 14:51:30 | 0.013                     |
| 340        | 07/15/2011 | 14:52:30 | 0.014                     |
| 341        | 07/15/2011 | 14:53:30 | 0.013                     |
| 342        | 07/15/2011 | 14:54:30 | 0.013                     |
| 343        | 07/15/2011 | 14:55:30 | 0.013                     |
| 344        | 07/15/2011 | 14:56:30 | 0.012                     |
| 345        | 07/15/2011 | 14:57:30 | 0.013                     |
| 346        | 07/15/2011 | 14:58:30 | 0.015                     |
| 347        | 07/15/2011 | 14:59:30 | 0.015                     |
| 348        | 07/15/2011 | 15:00:30 | 0.014                     |
| 349        | 07/15/2011 | 15:01:30 | 0.016                     |
| 350        | 07/15/2011 | 15:02:30 | 0.013                     |
| 351        | 07/15/2011 | 15:03:30 | 0.013                     |
| 352        | 07/15/2011 | 15:04:30 | 0.015                     |
| 353        | 07/15/2011 | 15:05:30 | 0.014                     |
| 354        | 07/15/2011 | 15:06:30 | 0.014                     |
| 355        | 07/15/2011 | 15:07:30 | 0.013                     |
| 356        | 07/15/2011 | 15:08:30 | 0.014                     |
| 357        | 07/15/2011 | 15:09:30 | 0.016                     |
| 358        | 07/15/2011 | 15:10:30 | 0.025                     |
| 359        | 07/15/2011 | 15:11:30 | 0.020                     |
| 360        | 07/15/2011 | 15:12:30 | 0.015                     |
| 361        | 07/15/2011 | 15:13:30 | 0.015                     |
| 362        | 07/15/2011 | 15:14:30 | 0.015                     |
| 363        | 07/15/2011 | 15:15:30 | 0.019                     |
| 364        | 07/15/2011 | 15:16:30 | 0.022                     |
| 365        | 07/15/2011 | 15:17:30 | 0.033                     |
| 366        | 07/15/2011 | 15:18:30 | 0.021                     |
| 367        | 07/15/2011 | 15:19:30 | 0.047                     |
| 368        | 07/15/2011 | 15:20:30 | 0.016                     |
| 369        | 07/15/2011 | 15:21:30 | 0.016                     |
| 370        | 07/15/2011 | 15:22:30 | 0.016                     |
| 371        | 07/15/2011 | 15:23:30 | 0.016                     |
| 372        | 07/15/2011 | 15:24:30 | 0.016                     |
| 373        | 07/15/2011 | 15:25:30 | 0.015                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 374        | 07/15/2011 | 15:26:30 | 0.015                     |
| 375        | 07/15/2011 | 15:27:30 | 0.033                     |
| 376        | 07/15/2011 | 15:28:30 | 0.017                     |
| 377        | 07/15/2011 | 15:29:30 | 0.016                     |
| 378        | 07/15/2011 | 15:30:30 | 0.016                     |
| 379        | 07/15/2011 | 15:31:30 | 0.016                     |
| 380        | 07/15/2011 | 15:32:30 | 0.015                     |
| 381        | 07/15/2011 | 15:33:30 | 0.014                     |
| 382        | 07/15/2011 | 15:34:30 | 0.013                     |
| 383        | 07/15/2011 | 15:35:30 | 0.014                     |
| 384        | 07/15/2011 | 15:36:30 | 0.018                     |
| 385        | 07/15/2011 | 15:37:30 | 0.014                     |
| 386        | 07/15/2011 | 15:38:30 | 0.016                     |
| 387        | 07/15/2011 | 15:39:30 | 0.015                     |
| 388        | 07/15/2011 | 15:40:30 | 0.036                     |
| 389        | 07/15/2011 | 15:41:30 | 0.029                     |
| 390        | 07/15/2011 | 15:42:30 | 0.016                     |
| 391        | 07/15/2011 | 15:43:30 | 0.015                     |
| 392        | 07/15/2011 | 15:44:30 | 0.014                     |
| 393        | 07/15/2011 | 15:45:30 | 0.017                     |
| 394        | 07/15/2011 | 15:46:30 | 0.014                     |
| 395        | 07/15/2011 | 15:47:30 | 0.013                     |
| 396        | 07/15/2011 | 15:48:30 | 0.014                     |
| 397        | 07/15/2011 | 15:49:30 | 0.014                     |
| 398        | 07/15/2011 | 15:50:30 | 0.017                     |
| 399        | 07/15/2011 | 15:51:30 | 0.013                     |
| 400        | 07/15/2011 | 15:52:30 | 0.017                     |
| 401        | 07/15/2011 | 15:53:30 | 0.014                     |
| 402        | 07/15/2011 | 15:54:30 | 0.019                     |
| 403        | 07/15/2011 | 15:55:30 | 0.014                     |
| 404        | 07/15/2011 | 15:56:30 | 0.015                     |
| 405        | 07/15/2011 | 15:57:30 | 0.017                     |
| 406        | 07/15/2011 | 15:58:30 | 0.014                     |
| 407        | 07/15/2011 | 15:59:30 | 0.013                     |
| 408        | 07/15/2011 | 16:00:30 | 0.015                     |
| 409        | 07/15/2011 | 16:01:30 | 0.012                     |
| 410        | 07/15/2011 | 16:02:30 | 0.013                     |
| 411        | 07/15/2011 | 16:03:30 | 0.014                     |
| 412        | 07/15/2011 | 16:04:30 | 0.018                     |
| 413        | 07/15/2011 | 16:05:30 | 0.013                     |
| 414        | 07/15/2011 | 16:06:30 | 0.014                     |
| 415        | 07/15/2011 | 16:07:30 | 0.014                     |
| 416        | 07/15/2011 | 16:08:30 | 0.020                     |
| 417        | 07/15/2011 | 16:09:30 | 0.014                     |
| 418        | 07/15/2011 | 16:10:30 | 0.019                     |
| 419        | 07/15/2011 | 16:11:30 | 0.017                     |
| 420        | 07/15/2011 | 16:12:30 | 0.016                     |
| 421        | 07/15/2011 | 16:13:30 | 0.014                     |
| 422        | 07/15/2011 | 16:14:30 | 0.016                     |
| 423        | 07/15/2011 | 16:15:30 | 0.023                     |
| 424        | 07/15/2011 | 16:16:30 | 0.047                     |

# Test 009

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 07/15/2011  |
| Meter S/N  | 85201065  | Start Time       | 09:10:22    |
|            |           | Stop Date        | 07/15/2011  |
|            |           | Stop Time        | 16:15:22    |
|            |           | Total Time       | 0:07:05:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 07/15/2011 | 09:15:22 | 0.013                     |
| 2          | 07/15/2011 | 09:20:22 | 0.013                     |
| 3          | 07/15/2011 | 09:25:22 | 0.014                     |
| 4          | 07/15/2011 | 09:30:22 | 0.014                     |
| 5          | 07/15/2011 | 09:35:22 | 0.014                     |
| 6          | 07/15/2011 | 09:40:22 | 0.014                     |
| 7          | 07/15/2011 | 09:45:22 | 0.015                     |
| 8          | 07/15/2011 | 09:50:22 | 0.017                     |
| 9          | 07/15/2011 | 09:55:22 | 0.011                     |
| 10         | 07/15/2011 | 10:00:22 | 0.011                     |
| 11         | 07/15/2011 | 10:05:22 | 0.011                     |
| 12         | 07/15/2011 | 10:10:22 | 0.011                     |
| 13         | 07/15/2011 | 10:15:22 | 0.012                     |
| 14         | 07/15/2011 | 10:20:22 | 0.010                     |
| 15         | 07/15/2011 | 10:25:22 | 0.010                     |
| 16         | 07/15/2011 | 10:30:22 | 0.010                     |
| 17         | 07/15/2011 | 10:35:22 | 0.010                     |
| 18         | 07/15/2011 | 10:40:22 | 0.009                     |
| 19         | 07/15/2011 | 10:45:22 | 0.010                     |
| 20         | 07/15/2011 | 10:50:22 | 0.010                     |
| 21         | 07/15/2011 | 10:55:22 | 0.011                     |
| 22         | 07/15/2011 | 11:00:22 | 0.011                     |
| 23         | 07/15/2011 | 11:05:22 | 0.010                     |
| 24         | 07/15/2011 | 11:10:22 | 0.011                     |
| 25         | 07/15/2011 | 11:15:22 | 0.011                     |
| 26         | 07/15/2011 | 11:20:22 | 0.012                     |
| 27         | 07/15/2011 | 11:25:22 | 0.012                     |
| 28         | 07/15/2011 | 11:30:22 | 0.010                     |
| 29         | 07/15/2011 | 11:35:22 | 0.011                     |
| 30         | 07/15/2011 | 11:40:22 | 0.012                     |
| 31         | 07/15/2011 | 11:45:22 | 0.012                     |
| 32         | 07/15/2011 | 11:50:22 | 0.011                     |
| 33         | 07/15/2011 | 11:55:22 | 0.011                     |
| 34         | 07/15/2011 | 12:00:22 | 0.010                     |
| 35         | 07/15/2011 | 12:05:22 | 0.010                     |
| 36         | 07/15/2011 | 12:10:22 | 0.009                     |
| 37         | 07/15/2011 | 12:15:22 | 0.009                     |
| 38         | 07/15/2011 | 12:20:22 | 0.010                     |
| 39         | 07/15/2011 | 12:25:22 | 0.010                     |
| 40         | 07/15/2011 | 12:30:22 | 0.011                     |
| 41         | 07/15/2011 | 12:35:22 | 0.014                     |
| 42         | 07/15/2011 | 12:40:22 | 0.015                     |
| 43         | 07/15/2011 | 12:45:22 | 0.012                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 07/15/2011 | 12:50:22 | 0.014                     |
| 45         | 07/15/2011 | 12:55:22 | 0.012                     |
| 46         | 07/15/2011 | 13:00:22 | 0.011                     |
| 47         | 07/15/2011 | 13:05:22 | 0.024                     |
| 48         | 07/15/2011 | 13:10:22 | 0.015                     |
| 49         | 07/15/2011 | 13:15:22 | 0.012                     |
| 50         | 07/15/2011 | 13:20:22 | 0.013                     |
| 51         | 07/15/2011 | 13:25:22 | 0.012                     |
| 52         | 07/15/2011 | 13:30:22 | 0.011                     |
| 53         | 07/15/2011 | 13:35:22 | 0.013                     |
| 54         | 07/15/2011 | 13:40:22 | 0.011                     |
| 55         | 07/15/2011 | 13:45:22 | 0.011                     |
| 56         | 07/15/2011 | 13:50:22 | 0.011                     |
| 57         | 07/15/2011 | 13:55:22 | 0.011                     |
| 58         | 07/15/2011 | 14:00:22 | 0.011                     |
| 59         | 07/15/2011 | 14:05:22 | 0.014                     |
| 60         | 07/15/2011 | 14:10:22 | 0.012                     |
| 61         | 07/15/2011 | 14:15:22 | 0.014                     |
| 62         | 07/15/2011 | 14:20:22 | 0.010                     |
| 63         | 07/15/2011 | 14:25:22 | 0.010                     |
| 64         | 07/15/2011 | 14:30:22 | 0.012                     |
| 65         | 07/15/2011 | 14:35:22 | 0.013                     |
| 66         | 07/15/2011 | 14:40:22 | 0.011                     |
| 67         | 07/15/2011 | 14:45:22 | 0.010                     |
| 68         | 07/15/2011 | 14:50:22 | 0.010                     |
| 69         | 07/15/2011 | 14:55:22 | 0.010                     |
| 70         | 07/15/2011 | 15:00:22 | 0.010                     |
| 71         | 07/15/2011 | 15:05:22 | 0.010                     |
| 72         | 07/15/2011 | 15:10:22 | 0.013                     |
| 73         | 07/15/2011 | 15:15:22 | 0.014                     |
| 74         | 07/15/2011 | 15:20:22 | 0.012                     |
| 75         | 07/15/2011 | 15:25:22 | 0.010                     |
| 76         | 07/15/2011 | 15:30:22 | 0.011                     |
| 77         | 07/15/2011 | 15:35:22 | 0.011                     |
| 78         | 07/15/2011 | 15:40:22 | 0.014                     |
| 79         | 07/15/2011 | 15:45:22 | 0.010                     |
| 80         | 07/15/2011 | 15:50:22 | 0.011                     |
| 81         | 07/15/2011 | 15:55:22 | 0.010                     |
| 82         | 07/15/2011 | 16:00:22 | 0.010                     |
| 83         | 07/15/2011 | 16:05:22 | 0.011                     |
| 84         | 07/15/2011 | 16:10:22 | 0.011                     |
| 85         | 07/15/2011 | 16:15:22 | 0.014                     |

# Test 010

| Instrument |           | Data Properties  |            |
|------------|-----------|------------------|------------|
| Model      | Dust Trak | Start Date       | 07/18/2011 |
| Meter S/N  | 85201091  | Start Time       | 08:36:32   |
|            |           | Stop Date        | 07/18/2011 |
|            |           | Stop Time        | 16:18:32   |
|            |           | Total Time       | 0:07:42:00 |
|            |           | Logging Interval | 60 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 07/18/2011 | 08:37:32 | 0.039                     |
| 2          | 07/18/2011 | 08:38:32 | 0.043                     |
| 3          | 07/18/2011 | 08:39:32 | 0.040                     |
| 4          | 07/18/2011 | 08:40:32 | 0.040                     |
| 5          | 07/18/2011 | 08:41:32 | 0.038                     |
| 6          | 07/18/2011 | 08:42:32 | 0.036                     |
| 7          | 07/18/2011 | 08:43:32 | 0.036                     |
| 8          | 07/18/2011 | 08:44:32 | 0.033                     |
| 9          | 07/18/2011 | 08:45:32 | 0.032                     |
| 10         | 07/18/2011 | 08:46:32 | 0.033                     |
| 11         | 07/18/2011 | 08:47:32 | 0.034                     |
| 12         | 07/18/2011 | 08:48:32 | 0.033                     |
| 13         | 07/18/2011 | 08:49:32 | 0.033                     |
| 14         | 07/18/2011 | 08:50:32 | 0.035                     |
| 15         | 07/18/2011 | 08:51:32 | 0.040                     |
| 16         | 07/18/2011 | 08:52:32 | 0.036                     |
| 17         | 07/18/2011 | 08:53:32 | 0.037                     |
| 18         | 07/18/2011 | 08:54:32 | 0.038                     |
| 19         | 07/18/2011 | 08:55:32 | 0.038                     |
| 20         | 07/18/2011 | 08:56:32 | 0.040                     |
| 21         | 07/18/2011 | 08:57:32 | 0.042                     |
| 22         | 07/18/2011 | 08:58:32 | 0.045                     |
| 23         | 07/18/2011 | 08:59:32 | 0.045                     |
| 24         | 07/18/2011 | 09:00:32 | 0.045                     |
| 25         | 07/18/2011 | 09:01:32 | 0.046                     |
| 26         | 07/18/2011 | 09:02:32 | 0.047                     |
| 27         | 07/18/2011 | 09:03:32 | 0.050                     |
| 28         | 07/18/2011 | 09:04:32 | 0.051                     |
| 29         | 07/18/2011 | 09:05:32 | 0.051                     |
| 30         | 07/18/2011 | 09:06:32 | 0.053                     |
| 31         | 07/18/2011 | 09:07:32 | 0.061                     |
| 32         | 07/18/2011 | 09:08:32 | 0.063                     |
| 33         | 07/18/2011 | 09:09:32 | 0.063                     |
| 34         | 07/18/2011 | 09:10:32 | 0.063                     |
| 35         | 07/18/2011 | 09:11:32 | 0.061                     |
| 36         | 07/18/2011 | 09:12:32 | 0.062                     |
| 37         | 07/18/2011 | 09:13:32 | 0.060                     |
| 38         | 07/18/2011 | 09:14:32 | 0.060                     |
| 39         | 07/18/2011 | 09:15:32 | 0.066                     |
| 40         | 07/18/2011 | 09:16:32 | 0.067                     |
| 41         | 07/18/2011 | 09:17:32 | 0.066                     |
| 42         | 07/18/2011 | 09:18:32 | 0.066                     |
| 43         | 07/18/2011 | 09:19:32 | 0.065                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 07/18/2011 | 09:20:32 | 0.065                     |
| 45         | 07/18/2011 | 09:21:32 | 0.062                     |
| 46         | 07/18/2011 | 09:22:32 | 0.062                     |
| 47         | 07/18/2011 | 09:23:32 | 0.065                     |
| 48         | 07/18/2011 | 09:24:32 | 0.063                     |
| 49         | 07/18/2011 | 09:25:32 | 0.063                     |
| 50         | 07/18/2011 | 09:26:32 | 0.066                     |
| 51         | 07/18/2011 | 09:27:32 | 0.063                     |
| 52         | 07/18/2011 | 09:28:32 | 0.066                     |
| 53         | 07/18/2011 | 09:29:32 | 0.065                     |
| 54         | 07/18/2011 | 09:30:32 | 0.062                     |
| 55         | 07/18/2011 | 09:31:32 | 0.064                     |
| 56         | 07/18/2011 | 09:32:32 | 0.069                     |
| 57         | 07/18/2011 | 09:33:32 | 0.068                     |
| 58         | 07/18/2011 | 09:34:32 | 0.076                     |
| 59         | 07/18/2011 | 09:35:32 | 0.080                     |
| 60         | 07/18/2011 | 09:36:32 | 0.093                     |
| 61         | 07/18/2011 | 09:37:32 | 0.072                     |
| 62         | 07/18/2011 | 09:38:32 | 0.070                     |
| 63         | 07/18/2011 | 09:39:32 | 0.070                     |
| 64         | 07/18/2011 | 09:40:32 | 0.071                     |
| 65         | 07/18/2011 | 09:41:32 | 0.074                     |
| 66         | 07/18/2011 | 09:42:32 | 0.074                     |
| 67         | 07/18/2011 | 09:43:32 | 0.073                     |
| 68         | 07/18/2011 | 09:44:32 | 0.071                     |
| 69         | 07/18/2011 | 09:45:32 | 0.072                     |
| 70         | 07/18/2011 | 09:46:32 | 0.071                     |
| 71         | 07/18/2011 | 09:47:32 | 0.072                     |
| 72         | 07/18/2011 | 09:48:32 | 0.074                     |
| 73         | 07/18/2011 | 09:49:32 | 0.071                     |
| 74         | 07/18/2011 | 09:50:32 | 0.068                     |
| 75         | 07/18/2011 | 09:51:32 | 0.066                     |
| 76         | 07/18/2011 | 09:52:32 | 0.066                     |
| 77         | 07/18/2011 | 09:53:32 | 0.065                     |
| 78         | 07/18/2011 | 09:54:32 | 0.067                     |
| 79         | 07/18/2011 | 09:55:32 | 0.066                     |
| 80         | 07/18/2011 | 09:56:32 | 0.068                     |
| 81         | 07/18/2011 | 09:57:32 | 0.068                     |
| 82         | 07/18/2011 | 09:58:32 | 0.067                     |
| 83         | 07/18/2011 | 09:59:32 | 0.065                     |
| 84         | 07/18/2011 | 10:00:32 | 0.065                     |
| 85         | 07/18/2011 | 10:01:32 | 0.065                     |
| 86         | 07/18/2011 | 10:02:32 | 0.065                     |
| 87         | 07/18/2011 | 10:03:32 | 0.063                     |
| 88         | 07/18/2011 | 10:04:32 | 0.063                     |
| 89         | 07/18/2011 | 10:05:32 | 0.064                     |
| 90         | 07/18/2011 | 10:06:32 | 0.066                     |
| 91         | 07/18/2011 | 10:07:32 | 0.060                     |
| 92         | 07/18/2011 | 10:08:32 | 0.063                     |
| 93         | 07/18/2011 | 10:09:32 | 0.057                     |
| 94         | 07/18/2011 | 10:10:32 | 0.058                     |
| 95         | 07/18/2011 | 10:11:32 | 0.059                     |
| 96         | 07/18/2011 | 10:12:32 | 0.057                     |
| 97         | 07/18/2011 | 10:13:32 | 0.057                     |
| 98         | 07/18/2011 | 10:14:32 | 0.055                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 99         | 07/18/2011 | 10:15:32 | 0.058                     |
| 100        | 07/18/2011 | 10:16:32 | 0.057                     |
| 101        | 07/18/2011 | 10:17:32 | 0.055                     |
| 102        | 07/18/2011 | 10:18:32 | 0.054                     |
| 103        | 07/18/2011 | 10:19:32 | 0.057                     |
| 104        | 07/18/2011 | 10:20:32 | 0.055                     |
| 105        | 07/18/2011 | 10:21:32 | 0.056                     |
| 106        | 07/18/2011 | 10:22:32 | 0.055                     |
| 107        | 07/18/2011 | 10:23:32 | 0.055                     |
| 108        | 07/18/2011 | 10:24:32 | 0.054                     |
| 109        | 07/18/2011 | 10:25:32 | 0.058                     |
| 110        | 07/18/2011 | 10:26:32 | 0.053                     |
| 111        | 07/18/2011 | 10:27:32 | 0.051                     |
| 112        | 07/18/2011 | 10:28:32 | 0.052                     |
| 113        | 07/18/2011 | 10:29:32 | 0.052                     |
| 114        | 07/18/2011 | 10:30:32 | 0.054                     |
| 115        | 07/18/2011 | 10:31:32 | 0.056                     |
| 116        | 07/18/2011 | 10:32:32 | 0.057                     |
| 117        | 07/18/2011 | 10:33:32 | 0.058                     |
| 118        | 07/18/2011 | 10:34:32 | 0.060                     |
| 119        | 07/18/2011 | 10:35:32 | 0.062                     |
| 120        | 07/18/2011 | 10:36:32 | 0.062                     |
| 121        | 07/18/2011 | 10:37:32 | 0.064                     |
| 122        | 07/18/2011 | 10:38:32 | 0.065                     |
| 123        | 07/18/2011 | 10:39:32 | 0.067                     |
| 124        | 07/18/2011 | 10:40:32 | 0.069                     |
| 125        | 07/18/2011 | 10:41:32 | 0.068                     |
| 126        | 07/18/2011 | 10:42:32 | 0.071                     |
| 127        | 07/18/2011 | 10:43:32 | 0.071                     |
| 128        | 07/18/2011 | 10:44:32 | 0.071                     |
| 129        | 07/18/2011 | 10:45:32 | 0.071                     |
| 130        | 07/18/2011 | 10:46:32 | 0.071                     |
| 131        | 07/18/2011 | 10:47:32 | 0.070                     |
| 132        | 07/18/2011 | 10:48:32 | 0.072                     |
| 133        | 07/18/2011 | 10:49:32 | 0.073                     |
| 134        | 07/18/2011 | 10:50:32 | 0.072                     |
| 135        | 07/18/2011 | 10:51:32 | 0.071                     |
| 136        | 07/18/2011 | 10:52:32 | 0.072                     |
| 137        | 07/18/2011 | 10:53:32 | 0.074                     |
| 138        | 07/18/2011 | 10:54:32 | 0.074                     |
| 139        | 07/18/2011 | 10:55:32 | 0.075                     |
| 140        | 07/18/2011 | 10:56:32 | 0.076                     |
| 141        | 07/18/2011 | 10:57:32 | 0.075                     |
| 142        | 07/18/2011 | 10:58:32 | 0.076                     |
| 143        | 07/18/2011 | 10:59:32 | 0.076                     |
| 144        | 07/18/2011 | 11:00:32 | 0.075                     |
| 145        | 07/18/2011 | 11:01:32 | 0.077                     |
| 146        | 07/18/2011 | 11:02:32 | 0.079                     |
| 147        | 07/18/2011 | 11:03:32 | 0.080                     |
| 148        | 07/18/2011 | 11:04:32 | 0.084                     |
| 149        | 07/18/2011 | 11:05:32 | 0.085                     |
| 150        | 07/18/2011 | 11:06:32 | 0.085                     |
| 151        | 07/18/2011 | 11:07:32 | 0.089                     |
| 152        | 07/18/2011 | 11:08:32 | 0.088                     |
| 153        | 07/18/2011 | 11:09:32 | 0.087                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 154        | 07/18/2011 | 11:10:32 | 0.089                     |
| 155        | 07/18/2011 | 11:11:32 | 0.088                     |
| 156        | 07/18/2011 | 11:12:32 | 0.089                     |
| 157        | 07/18/2011 | 11:13:32 | 0.092                     |
| 158        | 07/18/2011 | 11:14:32 | 0.090                     |
| 159        | 07/18/2011 | 11:15:32 | 0.089                     |
| 160        | 07/18/2011 | 11:16:32 | 0.086                     |
| 161        | 07/18/2011 | 11:17:32 | 0.082                     |
| 162        | 07/18/2011 | 11:18:32 | 0.082                     |
| 163        | 07/18/2011 | 11:19:32 | 0.085                     |
| 164        | 07/18/2011 | 11:20:32 | 0.083                     |
| 165        | 07/18/2011 | 11:21:32 | 0.082                     |
| 166        | 07/18/2011 | 11:22:32 | 0.083                     |
| 167        | 07/18/2011 | 11:23:32 | 0.084                     |
| 168        | 07/18/2011 | 11:24:32 | 0.084                     |
| 169        | 07/18/2011 | 11:25:32 | 0.085                     |
| 170        | 07/18/2011 | 11:26:32 | 0.089                     |
| 171        | 07/18/2011 | 11:27:32 | 0.086                     |
| 172        | 07/18/2011 | 11:28:32 | 0.084                     |
| 173        | 07/18/2011 | 11:29:32 | 0.087                     |
| 174        | 07/18/2011 | 11:30:32 | 0.088                     |
| 175        | 07/18/2011 | 11:31:32 | 0.085                     |
| 176        | 07/18/2011 | 11:32:32 | 0.090                     |
| 177        | 07/18/2011 | 11:33:32 | 0.086                     |
| 178        | 07/18/2011 | 11:34:32 | 0.084                     |
| 179        | 07/18/2011 | 11:35:32 | 0.088                     |
| 180        | 07/18/2011 | 11:36:32 | 0.084                     |
| 181        | 07/18/2011 | 11:37:32 | 0.079                     |
| 182        | 07/18/2011 | 11:38:32 | 0.075                     |
| 183        | 07/18/2011 | 11:39:32 | 0.076                     |
| 184        | 07/18/2011 | 11:40:32 | 0.074                     |
| 185        | 07/18/2011 | 11:41:32 | 0.071                     |
| 186        | 07/18/2011 | 11:42:32 | 0.069                     |
| 187        | 07/18/2011 | 11:43:32 | 0.069                     |
| 188        | 07/18/2011 | 11:44:32 | 0.066                     |
| 189        | 07/18/2011 | 11:45:32 | 0.059                     |
| 190        | 07/18/2011 | 11:46:32 | 0.058                     |
| 191        | 07/18/2011 | 11:47:32 | 0.055                     |
| 192        | 07/18/2011 | 11:48:32 | 0.055                     |
| 193        | 07/18/2011 | 11:49:32 | 0.056                     |
| 194        | 07/18/2011 | 11:50:32 | 0.055                     |
| 195        | 07/18/2011 | 11:51:32 | 0.056                     |
| 196        | 07/18/2011 | 11:52:32 | 0.056                     |
| 197        | 07/18/2011 | 11:53:32 | 0.054                     |
| 198        | 07/18/2011 | 11:54:32 | 0.052                     |
| 199        | 07/18/2011 | 11:55:32 | 0.052                     |
| 200        | 07/18/2011 | 11:56:32 | 0.054                     |
| 201        | 07/18/2011 | 11:57:32 | 0.050                     |
| 202        | 07/18/2011 | 11:58:32 | 0.049                     |
| 203        | 07/18/2011 | 11:59:32 | 0.051                     |
| 204        | 07/18/2011 | 12:00:32 | 0.052                     |
| 205        | 07/18/2011 | 12:01:32 | 0.050                     |
| 206        | 07/18/2011 | 12:02:32 | 0.051                     |
| 207        | 07/18/2011 | 12:03:32 | 0.051                     |
| 208        | 07/18/2011 | 12:04:32 | 0.050                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 209        | 07/18/2011 | 12:05:32 | 0.046                     |
| 210        | 07/18/2011 | 12:06:32 | 0.047                     |
| 211        | 07/18/2011 | 12:07:32 | 0.046                     |
| 212        | 07/18/2011 | 12:08:32 | 0.050                     |
| 213        | 07/18/2011 | 12:09:32 | 0.047                     |
| 214        | 07/18/2011 | 12:10:32 | 0.046                     |
| 215        | 07/18/2011 | 12:11:32 | 0.044                     |
| 216        | 07/18/2011 | 12:12:32 | 0.044                     |
| 217        | 07/18/2011 | 12:13:32 | 0.044                     |
| 218        | 07/18/2011 | 12:14:32 | 0.043                     |
| 219        | 07/18/2011 | 12:15:32 | 0.041                     |
| 220        | 07/18/2011 | 12:16:32 | 0.056                     |
| 221        | 07/18/2011 | 12:17:32 | 0.047                     |
| 222        | 07/18/2011 | 12:18:32 | 0.050                     |
| 223        | 07/18/2011 | 12:19:32 | 0.051                     |
| 224        | 07/18/2011 | 12:20:32 | 0.053                     |
| 225        | 07/18/2011 | 12:21:32 | 0.051                     |
| 226        | 07/18/2011 | 12:22:32 | 0.052                     |
| 227        | 07/18/2011 | 12:23:32 | 0.055                     |
| 228        | 07/18/2011 | 12:24:32 | 0.055                     |
| 229        | 07/18/2011 | 12:25:32 | 0.056                     |
| 230        | 07/18/2011 | 12:26:32 | 0.055                     |
| 231        | 07/18/2011 | 12:27:32 | 0.057                     |
| 232        | 07/18/2011 | 12:28:32 | 0.056                     |
| 233        | 07/18/2011 | 12:29:32 | 0.060                     |
| 234        | 07/18/2011 | 12:30:32 | 0.058                     |
| 235        | 07/18/2011 | 12:31:32 | 0.056                     |
| 236        | 07/18/2011 | 12:32:32 | 0.057                     |
| 237        | 07/18/2011 | 12:33:32 | 0.057                     |
| 238        | 07/18/2011 | 12:34:32 | 0.055                     |
| 239        | 07/18/2011 | 12:35:32 | 0.057                     |
| 240        | 07/18/2011 | 12:36:32 | 0.060                     |
| 241        | 07/18/2011 | 12:37:32 | 0.058                     |
| 242        | 07/18/2011 | 12:38:32 | 0.059                     |
| 243        | 07/18/2011 | 12:39:32 | 0.060                     |
| 244        | 07/18/2011 | 12:40:32 | 0.067                     |
| 245        | 07/18/2011 | 12:41:32 | 0.064                     |
| 246        | 07/18/2011 | 12:42:32 | 0.062                     |
| 247        | 07/18/2011 | 12:43:32 | 0.063                     |
| 248        | 07/18/2011 | 12:44:32 | 0.060                     |
| 249        | 07/18/2011 | 12:45:32 | 0.062                     |
| 250        | 07/18/2011 | 12:46:32 | 0.064                     |
| 251        | 07/18/2011 | 12:47:32 | 0.065                     |
| 252        | 07/18/2011 | 12:48:32 | 0.064                     |
| 253        | 07/18/2011 | 12:49:32 | 0.065                     |
| 254        | 07/18/2011 | 12:50:32 | 0.066                     |
| 255        | 07/18/2011 | 12:51:32 | 0.066                     |
| 256        | 07/18/2011 | 12:52:32 | 0.066                     |
| 257        | 07/18/2011 | 12:53:32 | 0.068                     |
| 258        | 07/18/2011 | 12:54:32 | 0.068                     |
| 259        | 07/18/2011 | 12:55:32 | 0.067                     |
| 260        | 07/18/2011 | 12:56:32 | 0.066                     |
| 261        | 07/18/2011 | 12:57:32 | 0.067                     |
| 262        | 07/18/2011 | 12:58:32 | 0.068                     |
| 263        | 07/18/2011 | 12:59:32 | 0.067                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 264        | 07/18/2011 | 13:00:32 | 0.068                     |
| 265        | 07/18/2011 | 13:01:32 | 0.068                     |
| 266        | 07/18/2011 | 13:02:32 | 0.068                     |
| 267        | 07/18/2011 | 13:03:32 | 0.066                     |
| 268        | 07/18/2011 | 13:04:32 | 0.067                     |
| 269        | 07/18/2011 | 13:05:32 | 0.070                     |
| 270        | 07/18/2011 | 13:06:32 | 0.071                     |
| 271        | 07/18/2011 | 13:07:32 | 0.069                     |
| 272        | 07/18/2011 | 13:08:32 | 0.070                     |
| 273        | 07/18/2011 | 13:09:32 | 0.069                     |
| 274        | 07/18/2011 | 13:10:32 | 0.071                     |
| 275        | 07/18/2011 | 13:11:32 | 0.069                     |
| 276        | 07/18/2011 | 13:12:32 | 0.069                     |
| 277        | 07/18/2011 | 13:13:32 | 0.069                     |
| 278        | 07/18/2011 | 13:14:32 | 0.067                     |
| 279        | 07/18/2011 | 13:15:32 | 0.068                     |
| 280        | 07/18/2011 | 13:16:32 | 0.070                     |
| 281        | 07/18/2011 | 13:17:32 | 0.069                     |
| 282        | 07/18/2011 | 13:18:32 | 0.071                     |
| 283        | 07/18/2011 | 13:19:32 | 0.071                     |
| 284        | 07/18/2011 | 13:20:32 | 0.070                     |
| 285        | 07/18/2011 | 13:21:32 | 0.071                     |
| 286        | 07/18/2011 | 13:22:32 | 0.070                     |
| 287        | 07/18/2011 | 13:23:32 | 0.068                     |
| 288        | 07/18/2011 | 13:24:32 | 0.069                     |
| 289        | 07/18/2011 | 13:25:32 | 0.068                     |
| 290        | 07/18/2011 | 13:26:32 | 0.069                     |
| 291        | 07/18/2011 | 13:27:32 | 0.068                     |
| 292        | 07/18/2011 | 13:28:32 | 0.070                     |
| 293        | 07/18/2011 | 13:29:32 | 0.069                     |
| 294        | 07/18/2011 | 13:30:32 | 0.069                     |
| 295        | 07/18/2011 | 13:31:32 | 0.068                     |
| 296        | 07/18/2011 | 13:32:32 | 0.068                     |
| 297        | 07/18/2011 | 13:33:32 | 0.070                     |
| 298        | 07/18/2011 | 13:34:32 | 0.071                     |
| 299        | 07/18/2011 | 13:35:32 | 0.071                     |
| 300        | 07/18/2011 | 13:36:32 | 0.075                     |
| 301        | 07/18/2011 | 13:37:32 | 0.072                     |
| 302        | 07/18/2011 | 13:38:32 | 0.072                     |
| 303        | 07/18/2011 | 13:39:32 | 0.068                     |
| 304        | 07/18/2011 | 13:40:32 | 0.065                     |
| 305        | 07/18/2011 | 13:41:32 | 0.062                     |
| 306        | 07/18/2011 | 13:42:32 | 0.064                     |
| 307        | 07/18/2011 | 13:43:32 | 0.066                     |
| 308        | 07/18/2011 | 13:44:32 | 0.067                     |
| 309        | 07/18/2011 | 13:45:32 | 0.067                     |
| 310        | 07/18/2011 | 13:46:32 | 0.065                     |
| 311        | 07/18/2011 | 13:47:32 | 0.065                     |
| 312        | 07/18/2011 | 13:48:32 | 0.062                     |
| 313        | 07/18/2011 | 13:49:32 | 0.062                     |
| 314        | 07/18/2011 | 13:50:32 | 0.062                     |
| 315        | 07/18/2011 | 13:51:32 | 0.060                     |
| 316        | 07/18/2011 | 13:52:32 | 0.060                     |
| 317        | 07/18/2011 | 13:53:32 | 0.058                     |
| 318        | 07/18/2011 | 13:54:32 | 0.059                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 319        | 07/18/2011 | 13:55:32 | 0.060                     |
| 320        | 07/18/2011 | 13:56:32 | 0.061                     |
| 321        | 07/18/2011 | 13:57:32 | 0.062                     |
| 322        | 07/18/2011 | 13:58:32 | 0.058                     |
| 323        | 07/18/2011 | 13:59:32 | 0.056                     |
| 324        | 07/18/2011 | 14:00:32 | 0.056                     |
| 325        | 07/18/2011 | 14:01:32 | 0.056                     |
| 326        | 07/18/2011 | 14:02:32 | 0.053                     |
| 327        | 07/18/2011 | 14:03:32 | 0.049                     |
| 328        | 07/18/2011 | 14:04:32 | 0.050                     |
| 329        | 07/18/2011 | 14:05:32 | 0.052                     |
| 330        | 07/18/2011 | 14:06:32 | 0.052                     |
| 331        | 07/18/2011 | 14:07:32 | 0.050                     |
| 332        | 07/18/2011 | 14:08:32 | 0.051                     |
| 333        | 07/18/2011 | 14:09:32 | 0.050                     |
| 334        | 07/18/2011 | 14:10:32 | 0.049                     |
| 335        | 07/18/2011 | 14:11:32 | 0.050                     |
| 336        | 07/18/2011 | 14:12:32 | 0.051                     |
| 337        | 07/18/2011 | 14:13:32 | 0.052                     |
| 338        | 07/18/2011 | 14:14:32 | 0.050                     |
| 339        | 07/18/2011 | 14:15:32 | 0.047                     |
| 340        | 07/18/2011 | 14:16:32 | 0.048                     |
| 341        | 07/18/2011 | 14:17:32 | 0.044                     |
| 342        | 07/18/2011 | 14:18:32 | 0.047                     |
| 343        | 07/18/2011 | 14:19:32 | 0.047                     |
| 344        | 07/18/2011 | 14:20:32 | 0.045                     |
| 345        | 07/18/2011 | 14:21:32 | 0.046                     |
| 346        | 07/18/2011 | 14:22:32 | 0.046                     |
| 347        | 07/18/2011 | 14:23:32 | 0.045                     |
| 348        | 07/18/2011 | 14:24:32 | 0.042                     |
| 349        | 07/18/2011 | 14:25:32 | 0.041                     |
| 350        | 07/18/2011 | 14:26:32 | 0.042                     |
| 351        | 07/18/2011 | 14:27:32 | 0.043                     |
| 352        | 07/18/2011 | 14:28:32 | 0.043                     |
| 353        | 07/18/2011 | 14:29:32 | 0.044                     |
| 354        | 07/18/2011 | 14:30:32 | 0.044                     |
| 355        | 07/18/2011 | 14:31:32 | 0.044                     |
| 356        | 07/18/2011 | 14:32:32 | 0.044                     |
| 357        | 07/18/2011 | 14:33:32 | 0.040                     |
| 358        | 07/18/2011 | 14:34:32 | 0.039                     |
| 359        | 07/18/2011 | 14:35:32 | 0.041                     |
| 360        | 07/18/2011 | 14:36:32 | 0.044                     |
| 361        | 07/18/2011 | 14:37:32 | 0.043                     |
| 362        | 07/18/2011 | 14:38:32 | 0.044                     |
| 363        | 07/18/2011 | 14:39:32 | 0.045                     |
| 364        | 07/18/2011 | 14:40:32 | 0.043                     |
| 365        | 07/18/2011 | 14:41:32 | 0.044                     |
| 366        | 07/18/2011 | 14:42:32 | 0.044                     |
| 367        | 07/18/2011 | 14:43:32 | 0.044                     |
| 368        | 07/18/2011 | 14:44:32 | 0.045                     |
| 369        | 07/18/2011 | 14:45:32 | 0.044                     |
| 370        | 07/18/2011 | 14:46:32 | 0.044                     |
| 371        | 07/18/2011 | 14:47:32 | 0.040                     |
| 372        | 07/18/2011 | 14:48:32 | 0.040                     |
| 373        | 07/18/2011 | 14:49:32 | 0.040                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 374        | 07/18/2011 | 14:50:32 | 0.039                     |
| 375        | 07/18/2011 | 14:51:32 | 0.038                     |
| 376        | 07/18/2011 | 14:52:32 | 0.039                     |
| 377        | 07/18/2011 | 14:53:32 | 0.040                     |
| 378        | 07/18/2011 | 14:54:32 | 0.040                     |
| 379        | 07/18/2011 | 14:55:32 | 0.039                     |
| 380        | 07/18/2011 | 14:56:32 | 0.040                     |
| 381        | 07/18/2011 | 14:57:32 | 0.039                     |
| 382        | 07/18/2011 | 14:58:32 | 0.038                     |
| 383        | 07/18/2011 | 14:59:32 | 0.040                     |
| 384        | 07/18/2011 | 15:00:32 | 0.040                     |
| 385        | 07/18/2011 | 15:01:32 | 0.041                     |
| 386        | 07/18/2011 | 15:02:32 | 0.042                     |
| 387        | 07/18/2011 | 15:03:32 | 0.042                     |
| 388        | 07/18/2011 | 15:04:32 | 0.041                     |
| 389        | 07/18/2011 | 15:05:32 | 0.042                     |
| 390        | 07/18/2011 | 15:06:32 | 0.039                     |
| 391        | 07/18/2011 | 15:07:32 | 0.039                     |
| 392        | 07/18/2011 | 15:08:32 | 0.038                     |
| 393        | 07/18/2011 | 15:09:32 | 0.039                     |
| 394        | 07/18/2011 | 15:10:32 | 0.041                     |
| 395        | 07/18/2011 | 15:11:32 | 0.040                     |
| 396        | 07/18/2011 | 15:12:32 | 0.040                     |
| 397        | 07/18/2011 | 15:13:32 | 0.041                     |
| 398        | 07/18/2011 | 15:14:32 | 0.042                     |
| 399        | 07/18/2011 | 15:15:32 | 0.041                     |
| 400        | 07/18/2011 | 15:16:32 | 0.042                     |
| 401        | 07/18/2011 | 15:17:32 | 0.041                     |
| 402        | 07/18/2011 | 15:18:32 | 0.041                     |
| 403        | 07/18/2011 | 15:19:32 | 0.041                     |
| 404        | 07/18/2011 | 15:20:32 | 0.039                     |
| 405        | 07/18/2011 | 15:21:32 | 0.039                     |
| 406        | 07/18/2011 | 15:22:32 | 0.041                     |
| 407        | 07/18/2011 | 15:23:32 | 0.041                     |
| 408        | 07/18/2011 | 15:24:32 | 0.043                     |
| 409        | 07/18/2011 | 15:25:32 | 0.043                     |
| 410        | 07/18/2011 | 15:26:32 | 0.043                     |
| 411        | 07/18/2011 | 15:27:32 | 0.042                     |
| 412        | 07/18/2011 | 15:28:32 | 0.042                     |
| 413        | 07/18/2011 | 15:29:32 | 0.042                     |
| 414        | 07/18/2011 | 15:30:32 | 0.042                     |
| 415        | 07/18/2011 | 15:31:32 | 0.041                     |
| 416        | 07/18/2011 | 15:32:32 | 0.041                     |
| 417        | 07/18/2011 | 15:33:32 | 0.042                     |
| 418        | 07/18/2011 | 15:34:32 | 0.041                     |
| 419        | 07/18/2011 | 15:35:32 | 0.042                     |
| 420        | 07/18/2011 | 15:36:32 | 0.041                     |
| 421        | 07/18/2011 | 15:37:32 | 0.040                     |
| 422        | 07/18/2011 | 15:38:32 | 0.041                     |
| 423        | 07/18/2011 | 15:39:32 | 0.040                     |
| 424        | 07/18/2011 | 15:40:32 | 0.041                     |
| 425        | 07/18/2011 | 15:41:32 | 0.042                     |
| 426        | 07/18/2011 | 15:42:32 | 0.041                     |
| 427        | 07/18/2011 | 15:43:32 | 0.043                     |
| 428        | 07/18/2011 | 15:44:32 | 0.043                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 429        | 07/18/2011 | 15:45:32 | 0.044                     |
| 430        | 07/18/2011 | 15:46:32 | 0.044                     |
| 431        | 07/18/2011 | 15:47:32 | 0.044                     |
| 432        | 07/18/2011 | 15:48:32 | 0.044                     |
| 433        | 07/18/2011 | 15:49:32 | 0.045                     |
| 434        | 07/18/2011 | 15:50:32 | 0.043                     |
| 435        | 07/18/2011 | 15:51:32 | 0.044                     |
| 436        | 07/18/2011 | 15:52:32 | 0.044                     |
| 437        | 07/18/2011 | 15:53:32 | 0.045                     |
| 438        | 07/18/2011 | 15:54:32 | 0.046                     |
| 439        | 07/18/2011 | 15:55:32 | 0.045                     |
| 440        | 07/18/2011 | 15:56:32 | 0.045                     |
| 441        | 07/18/2011 | 15:57:32 | 0.045                     |
| 442        | 07/18/2011 | 15:58:32 | 0.046                     |
| 443        | 07/18/2011 | 15:59:32 | 0.044                     |
| 444        | 07/18/2011 | 16:00:32 | 0.044                     |
| 445        | 07/18/2011 | 16:01:32 | 0.046                     |
| 446        | 07/18/2011 | 16:02:32 | 0.044                     |
| 447        | 07/18/2011 | 16:03:32 | 0.045                     |
| 448        | 07/18/2011 | 16:04:32 | 0.045                     |
| 449        | 07/18/2011 | 16:05:32 | 0.047                     |
| 450        | 07/18/2011 | 16:06:32 | 0.045                     |
| 451        | 07/18/2011 | 16:07:32 | 0.046                     |
| 452        | 07/18/2011 | 16:08:32 | 0.046                     |
| 453        | 07/18/2011 | 16:09:32 | 0.046                     |
| 454        | 07/18/2011 | 16:10:32 | 0.045                     |
| 455        | 07/18/2011 | 16:11:32 | 0.046                     |
| 456        | 07/18/2011 | 16:12:32 | 0.045                     |
| 457        | 07/18/2011 | 16:13:32 | 0.047                     |
| 458        | 07/18/2011 | 16:14:32 | 0.048                     |
| 459        | 07/18/2011 | 16:15:32 | 0.052                     |
| 460        | 07/18/2011 | 16:16:32 | 0.053                     |
| 461        | 07/18/2011 | 16:17:32 | 0.052                     |
| 462        | 07/18/2011 | 16:18:32 | 0.054                     |



# Test 010

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 07/18/2011  |
| Meter S/N  | 85201065  | Start Time       | 08:37:26    |
|            |           | Stop Date        | 07/18/2011  |
|            |           | Stop Time        | 16:12:26    |
|            |           | Total Time       | 0:07:35:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 07/18/2011 | 08:42:26 | 0.034                     |
| 2          | 07/18/2011 | 08:47:26 | 0.028                     |
| 3          | 07/18/2011 | 08:52:26 | 0.042                     |
| 4          | 07/18/2011 | 08:57:26 | 0.041                     |
| 5          | 07/18/2011 | 09:02:26 | 0.046                     |
| 6          | 07/18/2011 | 09:07:26 | 0.049                     |
| 7          | 07/18/2011 | 09:12:26 | 0.057                     |
| 8          | 07/18/2011 | 09:17:26 | 0.057                     |
| 9          | 07/18/2011 | 09:22:26 | 0.054                     |
| 10         | 07/18/2011 | 09:27:26 | 0.051                     |
| 11         | 07/18/2011 | 09:32:26 | 0.057                     |
| 12         | 07/18/2011 | 09:37:26 | 0.060                     |
| 13         | 07/18/2011 | 09:42:26 | 0.063                     |
| 14         | 07/18/2011 | 09:47:26 | 0.063                     |
| 15         | 07/18/2011 | 09:52:26 | 0.062                     |
| 16         | 07/18/2011 | 09:57:26 | 0.061                     |
| 17         | 07/18/2011 | 10:02:26 | 0.081                     |
| 18         | 07/18/2011 | 10:07:26 | 0.058                     |
| 19         | 07/18/2011 | 10:12:26 | 0.051                     |
| 20         | 07/18/2011 | 10:17:26 | 0.052                     |
| 21         | 07/18/2011 | 10:22:26 | 0.050                     |
| 22         | 07/18/2011 | 10:27:26 | 0.050                     |
| 23         | 07/18/2011 | 10:32:26 | 0.051                     |
| 24         | 07/18/2011 | 10:37:26 | 0.057                     |
| 25         | 07/18/2011 | 10:42:26 | 0.063                     |
| 26         | 07/18/2011 | 10:47:26 | 0.066                     |
| 27         | 07/18/2011 | 10:52:26 | 0.067                     |
| 28         | 07/18/2011 | 10:57:26 | 0.069                     |
| 29         | 07/18/2011 | 11:02:26 | 0.072                     |
| 30         | 07/18/2011 | 11:07:26 | 0.078                     |
| 31         | 07/18/2011 | 11:12:26 | 0.082                     |
| 32         | 07/18/2011 | 11:17:26 | 0.081                     |
| 33         | 07/18/2011 | 11:22:26 | 0.077                     |
| 34         | 07/18/2011 | 11:27:26 | 0.077                     |
| 35         | 07/18/2011 | 11:32:26 | 0.079                     |
| 36         | 07/18/2011 | 11:37:26 | 0.076                     |
| 37         | 07/18/2011 | 11:42:26 | 0.067                     |
| 38         | 07/18/2011 | 11:47:26 | 0.053                     |
| 39         | 07/18/2011 | 11:52:26 | 0.052                     |
| 40         | 07/18/2011 | 11:57:26 | 0.047                     |
| 41         | 07/18/2011 | 12:02:26 | 0.047                     |
| 42         | 07/18/2011 | 12:07:26 | 0.046                     |
| 43         | 07/18/2011 | 12:12:26 | 0.045                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 07/18/2011 | 12:17:26 | 0.041                     |
| 45         | 07/18/2011 | 12:22:26 | 0.048                     |
| 46         | 07/18/2011 | 12:27:26 | 0.051                     |
| 47         | 07/18/2011 | 12:32:26 | 0.051                     |
| 48         | 07/18/2011 | 12:37:26 | 0.062                     |
| 49         | 07/18/2011 | 12:42:26 | 0.060                     |
| 50         | 07/18/2011 | 12:47:26 | 0.057                     |
| 51         | 07/18/2011 | 12:52:26 | 0.060                     |
| 52         | 07/18/2011 | 12:57:26 | 0.060                     |
| 53         | 07/18/2011 | 13:02:26 | 0.060                     |
| 54         | 07/18/2011 | 13:07:26 | 0.061                     |
| 55         | 07/18/2011 | 13:12:26 | 0.062                     |
| 56         | 07/18/2011 | 13:17:26 | 0.061                     |
| 57         | 07/18/2011 | 13:22:26 | 0.076                     |
| 58         | 07/18/2011 | 13:27:26 | 0.061                     |
| 59         | 07/18/2011 | 13:32:26 | 0.076                     |
| 60         | 07/18/2011 | 13:37:26 | 0.063                     |
| 61         | 07/18/2011 | 13:42:26 | 0.060                     |
| 62         | 07/18/2011 | 13:47:26 | 0.059                     |
| 63         | 07/18/2011 | 13:52:26 | 0.055                     |
| 64         | 07/18/2011 | 13:57:26 | 0.053                     |
| 65         | 07/18/2011 | 14:02:26 | 0.049                     |
| 66         | 07/18/2011 | 14:07:26 | 0.046                     |
| 67         | 07/18/2011 | 14:12:26 | 0.045                     |
| 68         | 07/18/2011 | 14:17:26 | 0.043                     |
| 69         | 07/18/2011 | 14:22:26 | 0.041                     |
| 70         | 07/18/2011 | 14:27:26 | 0.040                     |
| 71         | 07/18/2011 | 14:32:26 | 0.038                     |
| 72         | 07/18/2011 | 14:37:26 | 0.036                     |
| 73         | 07/18/2011 | 14:42:26 | 0.039                     |
| 74         | 07/18/2011 | 14:47:26 | 0.038                     |
| 75         | 07/18/2011 | 14:52:26 | 0.035                     |
| 76         | 07/18/2011 | 14:57:26 | 0.035                     |
| 77         | 07/18/2011 | 15:02:26 | 0.037                     |
| 78         | 07/18/2011 | 15:07:26 | 0.036                     |
| 79         | 07/18/2011 | 15:12:26 | 0.037                     |
| 80         | 07/18/2011 | 15:17:26 | 0.037                     |
| 81         | 07/18/2011 | 15:22:26 | 0.036                     |
| 82         | 07/18/2011 | 15:27:26 | 0.038                     |
| 83         | 07/18/2011 | 15:32:26 | 0.038                     |
| 84         | 07/18/2011 | 15:37:26 | 0.036                     |
| 85         | 07/18/2011 | 15:42:26 | 0.037                     |
| 86         | 07/18/2011 | 15:47:26 | 0.040                     |
| 87         | 07/18/2011 | 15:52:26 | 0.039                     |
| 88         | 07/18/2011 | 15:57:26 | 0.041                     |
| 89         | 07/18/2011 | 16:02:26 | 0.041                     |
| 90         | 07/18/2011 | 16:07:26 | 0.041                     |
| 91         | 07/18/2011 | 16:12:26 | 0.042                     |

# Test 011

| Instrument |           | Data Properties  |            |
|------------|-----------|------------------|------------|
| Model      | Dust Trak | Start Date       | 07/19/2011 |
| Meter S/N  | 85201091  | Start Time       | 10:05:18   |
|            |           | Stop Date        | 07/19/2011 |
|            |           | Stop Time        | 16:08:18   |
|            |           | Total Time       | 0:06:03:00 |
|            |           | Logging Interval | 60 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 07/19/2011 | 10:06:18 | 0.029                     |
| 2          | 07/19/2011 | 10:07:18 | 0.028                     |
| 3          | 07/19/2011 | 10:08:18 | 0.029                     |
| 4          | 07/19/2011 | 10:09:18 | 0.028                     |
| 5          | 07/19/2011 | 10:10:18 | 0.028                     |
| 6          | 07/19/2011 | 10:11:18 | 0.028                     |
| 7          | 07/19/2011 | 10:12:18 | 0.028                     |
| 8          | 07/19/2011 | 10:13:18 | 0.029                     |
| 9          | 07/19/2011 | 10:14:18 | 0.029                     |
| 10         | 07/19/2011 | 10:15:18 | 0.029                     |
| 11         | 07/19/2011 | 10:16:18 | 0.029                     |
| 12         | 07/19/2011 | 10:17:18 | 0.031                     |
| 13         | 07/19/2011 | 10:18:18 | 0.029                     |
| 14         | 07/19/2011 | 10:19:18 | 0.029                     |
| 15         | 07/19/2011 | 10:20:18 | 0.029                     |
| 16         | 07/19/2011 | 10:21:18 | 0.029                     |
| 17         | 07/19/2011 | 10:22:18 | 0.030                     |
| 18         | 07/19/2011 | 10:23:18 | 0.030                     |
| 19         | 07/19/2011 | 10:24:18 | 0.030                     |
| 20         | 07/19/2011 | 10:25:18 | 0.031                     |
| 21         | 07/19/2011 | 10:26:18 | 0.030                     |
| 22         | 07/19/2011 | 10:27:18 | 0.030                     |
| 23         | 07/19/2011 | 10:28:18 | 0.030                     |
| 24         | 07/19/2011 | 10:29:18 | 0.029                     |
| 25         | 07/19/2011 | 10:30:18 | 0.030                     |
| 26         | 07/19/2011 | 10:31:18 | 0.031                     |
| 27         | 07/19/2011 | 10:32:18 | 0.031                     |
| 28         | 07/19/2011 | 10:33:18 | 0.029                     |
| 29         | 07/19/2011 | 10:34:18 | 0.031                     |
| 30         | 07/19/2011 | 10:35:18 | 0.030                     |
| 31         | 07/19/2011 | 10:36:18 | 0.030                     |
| 32         | 07/19/2011 | 10:37:18 | 0.029                     |
| 33         | 07/19/2011 | 10:38:18 | 0.030                     |
| 34         | 07/19/2011 | 10:39:18 | 0.030                     |
| 35         | 07/19/2011 | 10:40:18 | 0.030                     |
| 36         | 07/19/2011 | 10:41:18 | 0.033                     |
| 37         | 07/19/2011 | 10:42:18 | 0.032                     |
| 38         | 07/19/2011 | 10:43:18 | 0.031                     |
| 39         | 07/19/2011 | 10:44:18 | 0.030                     |
| 40         | 07/19/2011 | 10:45:18 | 0.030                     |
| 41         | 07/19/2011 | 10:46:18 | 0.030                     |
| 42         | 07/19/2011 | 10:47:18 | 0.030                     |
| 43         | 07/19/2011 | 10:48:18 | 0.030                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 07/19/2011 | 10:49:18 | 0.029                     |
| 45         | 07/19/2011 | 10:50:18 | 0.031                     |
| 46         | 07/19/2011 | 10:51:18 | 0.031                     |
| 47         | 07/19/2011 | 10:52:18 | 0.031                     |
| 48         | 07/19/2011 | 10:53:18 | 0.031                     |
| 49         | 07/19/2011 | 10:54:18 | 0.031                     |
| 50         | 07/19/2011 | 10:55:18 | 0.030                     |
| 51         | 07/19/2011 | 10:56:18 | 0.030                     |
| 52         | 07/19/2011 | 10:57:18 | 0.030                     |
| 53         | 07/19/2011 | 10:58:18 | 0.032                     |
| 54         | 07/19/2011 | 10:59:18 | 0.031                     |
| 55         | 07/19/2011 | 11:00:18 | 0.031                     |
| 56         | 07/19/2011 | 11:01:18 | 0.031                     |
| 57         | 07/19/2011 | 11:02:18 | 0.030                     |
| 58         | 07/19/2011 | 11:03:18 | 0.032                     |
| 59         | 07/19/2011 | 11:04:18 | 0.031                     |
| 60         | 07/19/2011 | 11:05:18 | 0.030                     |
| 61         | 07/19/2011 | 11:06:18 | 0.031                     |
| 62         | 07/19/2011 | 11:07:18 | 0.031                     |
| 63         | 07/19/2011 | 11:08:18 | 0.033                     |
| 64         | 07/19/2011 | 11:09:18 | 0.031                     |
| 65         | 07/19/2011 | 11:10:18 | 0.031                     |
| 66         | 07/19/2011 | 11:11:18 | 0.030                     |
| 67         | 07/19/2011 | 11:12:18 | 0.031                     |
| 68         | 07/19/2011 | 11:13:18 | 0.031                     |
| 69         | 07/19/2011 | 11:14:18 | 0.032                     |
| 70         | 07/19/2011 | 11:15:18 | 0.031                     |
| 71         | 07/19/2011 | 11:16:18 | 0.031                     |
| 72         | 07/19/2011 | 11:17:18 | 0.031                     |
| 73         | 07/19/2011 | 11:18:18 | 0.031                     |
| 74         | 07/19/2011 | 11:19:18 | 0.031                     |
| 75         | 07/19/2011 | 11:20:18 | 0.030                     |
| 76         | 07/19/2011 | 11:21:18 | 0.029                     |
| 77         | 07/19/2011 | 11:22:18 | 0.029                     |
| 78         | 07/19/2011 | 11:23:18 | 0.029                     |
| 79         | 07/19/2011 | 11:24:18 | 0.030                     |
| 80         | 07/19/2011 | 11:25:18 | 0.030                     |
| 81         | 07/19/2011 | 11:26:18 | 0.031                     |
| 82         | 07/19/2011 | 11:27:18 | 0.030                     |
| 83         | 07/19/2011 | 11:28:18 | 0.031                     |
| 84         | 07/19/2011 | 11:29:18 | 0.031                     |
| 85         | 07/19/2011 | 11:30:18 | 0.032                     |
| 86         | 07/19/2011 | 11:31:18 | 0.032                     |
| 87         | 07/19/2011 | 11:32:18 | 0.032                     |
| 88         | 07/19/2011 | 11:33:18 | 0.032                     |
| 89         | 07/19/2011 | 11:34:18 | 0.030                     |
| 90         | 07/19/2011 | 11:35:18 | 0.032                     |
| 91         | 07/19/2011 | 11:36:18 | 0.032                     |
| 92         | 07/19/2011 | 11:37:18 | 0.031                     |
| 93         | 07/19/2011 | 11:38:18 | 0.033                     |
| 94         | 07/19/2011 | 11:39:18 | 0.032                     |
| 95         | 07/19/2011 | 11:40:18 | 0.032                     |
| 96         | 07/19/2011 | 11:41:18 | 0.033                     |
| 97         | 07/19/2011 | 11:42:18 | 0.031                     |
| 98         | 07/19/2011 | 11:43:18 | 0.033                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 99         | 07/19/2011 | 11:44:18 | 0.034                     |
| 100        | 07/19/2011 | 11:45:18 | 0.032                     |
| 101        | 07/19/2011 | 11:46:18 | 0.032                     |
| 102        | 07/19/2011 | 11:47:18 | 0.030                     |
| 103        | 07/19/2011 | 11:48:18 | 0.030                     |
| 104        | 07/19/2011 | 11:49:18 | 0.031                     |
| 105        | 07/19/2011 | 11:50:18 | 0.033                     |
| 106        | 07/19/2011 | 11:51:18 | 0.033                     |
| 107        | 07/19/2011 | 11:52:18 | 0.032                     |
| 108        | 07/19/2011 | 11:53:18 | 0.031                     |
| 109        | 07/19/2011 | 11:54:18 | 0.032                     |
| 110        | 07/19/2011 | 11:55:18 | 0.032                     |
| 111        | 07/19/2011 | 11:56:18 | 0.032                     |
| 112        | 07/19/2011 | 11:57:18 | 0.032                     |
| 113        | 07/19/2011 | 11:58:18 | 0.031                     |
| 114        | 07/19/2011 | 11:59:18 | 0.033                     |
| 115        | 07/19/2011 | 12:00:18 | 0.032                     |
| 116        | 07/19/2011 | 12:01:18 | 0.033                     |
| 117        | 07/19/2011 | 12:02:18 | 0.032                     |
| 118        | 07/19/2011 | 12:03:18 | 0.032                     |
| 119        | 07/19/2011 | 12:04:18 | 0.032                     |
| 120        | 07/19/2011 | 12:05:18 | 0.035                     |
| 121        | 07/19/2011 | 12:06:18 | 0.034                     |
| 122        | 07/19/2011 | 12:07:18 | 0.033                     |
| 123        | 07/19/2011 | 12:08:18 | 0.033                     |
| 124        | 07/19/2011 | 12:09:18 | 0.034                     |
| 125        | 07/19/2011 | 12:10:18 | 0.033                     |
| 126        | 07/19/2011 | 12:11:18 | 0.033                     |
| 127        | 07/19/2011 | 12:12:18 | 0.035                     |
| 128        | 07/19/2011 | 12:13:18 | 0.033                     |
| 129        | 07/19/2011 | 12:14:18 | 0.035                     |
| 130        | 07/19/2011 | 12:15:18 | 0.034                     |
| 131        | 07/19/2011 | 12:16:18 | 0.034                     |
| 132        | 07/19/2011 | 12:17:18 | 0.033                     |
| 133        | 07/19/2011 | 12:18:18 | 0.034                     |
| 134        | 07/19/2011 | 12:19:18 | 0.033                     |
| 135        | 07/19/2011 | 12:20:18 | 0.034                     |
| 136        | 07/19/2011 | 12:21:18 | 0.034                     |
| 137        | 07/19/2011 | 12:22:18 | 0.034                     |
| 138        | 07/19/2011 | 12:23:18 | 0.034                     |
| 139        | 07/19/2011 | 12:24:18 | 0.035                     |
| 140        | 07/19/2011 | 12:25:18 | 0.035                     |
| 141        | 07/19/2011 | 12:26:18 | 0.033                     |
| 142        | 07/19/2011 | 12:27:18 | 0.035                     |
| 143        | 07/19/2011 | 12:28:18 | 0.035                     |
| 144        | 07/19/2011 | 12:29:18 | 0.038                     |
| 145        | 07/19/2011 | 12:30:18 | 0.044                     |
| 146        | 07/19/2011 | 12:31:18 | 0.045                     |
| 147        | 07/19/2011 | 12:32:18 | 0.033                     |
| 148        | 07/19/2011 | 12:33:18 | 0.035                     |
| 149        | 07/19/2011 | 12:34:18 | 0.035                     |
| 150        | 07/19/2011 | 12:35:18 | 0.036                     |
| 151        | 07/19/2011 | 12:36:18 | 0.036                     |
| 152        | 07/19/2011 | 12:37:18 | 0.043                     |
| 153        | 07/19/2011 | 12:38:18 | 0.035                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 154        | 07/19/2011 | 12:39:18 | 0.035                     |
| 155        | 07/19/2011 | 12:40:18 | 0.035                     |
| 156        | 07/19/2011 | 12:41:18 | 0.041                     |
| 157        | 07/19/2011 | 12:42:18 | 0.043                     |
| 158        | 07/19/2011 | 12:43:18 | 0.035                     |
| 159        | 07/19/2011 | 12:44:18 | 0.037                     |
| 160        | 07/19/2011 | 12:45:18 | 0.038                     |
| 161        | 07/19/2011 | 12:46:18 | 0.035                     |
| 162        | 07/19/2011 | 12:47:18 | 0.035                     |
| 163        | 07/19/2011 | 12:48:18 | 0.039                     |
| 164        | 07/19/2011 | 12:49:18 | 0.035                     |
| 165        | 07/19/2011 | 12:50:18 | 0.036                     |
| 166        | 07/19/2011 | 12:51:18 | 0.036                     |
| 167        | 07/19/2011 | 12:52:18 | 0.035                     |
| 168        | 07/19/2011 | 12:53:18 | 0.035                     |
| 169        | 07/19/2011 | 12:54:18 | 0.035                     |
| 170        | 07/19/2011 | 12:55:18 | 0.037                     |
| 171        | 07/19/2011 | 12:56:18 | 0.036                     |
| 172        | 07/19/2011 | 12:57:18 | 0.035                     |
| 173        | 07/19/2011 | 12:58:18 | 0.037                     |
| 174        | 07/19/2011 | 12:59:18 | 0.036                     |
| 175        | 07/19/2011 | 13:00:18 | 0.035                     |
| 176        | 07/19/2011 | 13:01:18 | 0.036                     |
| 177        | 07/19/2011 | 13:02:18 | 0.036                     |
| 178        | 07/19/2011 | 13:03:18 | 0.037                     |
| 179        | 07/19/2011 | 13:04:18 | 0.036                     |
| 180        | 07/19/2011 | 13:05:18 | 0.037                     |
| 181        | 07/19/2011 | 13:06:18 | 0.037                     |
| 182        | 07/19/2011 | 13:07:18 | 0.036                     |
| 183        | 07/19/2011 | 13:08:18 | 0.036                     |
| 184        | 07/19/2011 | 13:09:18 | 0.036                     |
| 185        | 07/19/2011 | 13:10:18 | 0.036                     |
| 186        | 07/19/2011 | 13:11:18 | 0.036                     |
| 187        | 07/19/2011 | 13:12:18 | 0.039                     |
| 188        | 07/19/2011 | 13:13:18 | 0.036                     |
| 189        | 07/19/2011 | 13:14:18 | 0.035                     |
| 190        | 07/19/2011 | 13:15:18 | 0.036                     |
| 191        | 07/19/2011 | 13:16:18 | 0.037                     |
| 192        | 07/19/2011 | 13:17:18 | 0.036                     |
| 193        | 07/19/2011 | 13:18:18 | 0.037                     |
| 194        | 07/19/2011 | 13:19:18 | 0.039                     |
| 195        | 07/19/2011 | 13:20:18 | 0.038                     |
| 196        | 07/19/2011 | 13:21:18 | 0.036                     |
| 197        | 07/19/2011 | 13:22:18 | 0.037                     |
| 198        | 07/19/2011 | 13:23:18 | 0.037                     |
| 199        | 07/19/2011 | 13:24:18 | 0.038                     |
| 200        | 07/19/2011 | 13:25:18 | 0.037                     |
| 201        | 07/19/2011 | 13:26:18 | 0.038                     |
| 202        | 07/19/2011 | 13:27:18 | 0.037                     |
| 203        | 07/19/2011 | 13:28:18 | 0.035                     |
| 204        | 07/19/2011 | 13:29:18 | 0.037                     |
| 205        | 07/19/2011 | 13:30:18 | 0.038                     |
| 206        | 07/19/2011 | 13:31:18 | 0.036                     |
| 207        | 07/19/2011 | 13:32:18 | 0.038                     |
| 208        | 07/19/2011 | 13:33:18 | 0.049                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 209        | 07/19/2011 | 13:34:18 | 0.035                     |
| 210        | 07/19/2011 | 13:35:18 | 0.038                     |
| 211        | 07/19/2011 | 13:36:18 | 0.036                     |
| 212        | 07/19/2011 | 13:37:18 | 0.037                     |
| 213        | 07/19/2011 | 13:38:18 | 0.037                     |
| 214        | 07/19/2011 | 13:39:18 | 0.035                     |
| 215        | 07/19/2011 | 13:40:18 | 0.036                     |
| 216        | 07/19/2011 | 13:41:18 | 0.035                     |
| 217        | 07/19/2011 | 13:42:18 | 0.038                     |
| 218        | 07/19/2011 | 13:43:18 | 0.035                     |
| 219        | 07/19/2011 | 13:44:18 | 0.036                     |
| 220        | 07/19/2011 | 13:45:18 | 0.037                     |
| 221        | 07/19/2011 | 13:46:18 | 0.036                     |
| 222        | 07/19/2011 | 13:47:18 | 0.036                     |
| 223        | 07/19/2011 | 13:48:18 | 0.038                     |
| 224        | 07/19/2011 | 13:49:18 | 0.035                     |
| 225        | 07/19/2011 | 13:50:18 | 0.036                     |
| 226        | 07/19/2011 | 13:51:18 | 0.038                     |
| 227        | 07/19/2011 | 13:52:18 | 0.036                     |
| 228        | 07/19/2011 | 13:53:18 | 0.037                     |
| 229        | 07/19/2011 | 13:54:18 | 0.036                     |
| 230        | 07/19/2011 | 13:55:18 | 0.037                     |
| 231        | 07/19/2011 | 13:56:18 | 0.036                     |
| 232        | 07/19/2011 | 13:57:18 | 0.036                     |
| 233        | 07/19/2011 | 13:58:18 | 0.036                     |
| 234        | 07/19/2011 | 13:59:18 | 0.035                     |
| 235        | 07/19/2011 | 14:00:18 | 0.034                     |
| 236        | 07/19/2011 | 14:01:18 | 0.035                     |
| 237        | 07/19/2011 | 14:02:18 | 0.037                     |
| 238        | 07/19/2011 | 14:03:18 | 0.036                     |
| 239        | 07/19/2011 | 14:04:18 | 0.035                     |
| 240        | 07/19/2011 | 14:05:18 | 0.034                     |
| 241        | 07/19/2011 | 14:06:18 | 0.035                     |
| 242        | 07/19/2011 | 14:07:18 | 0.033                     |
| 243        | 07/19/2011 | 14:08:18 | 0.034                     |
| 244        | 07/19/2011 | 14:09:18 | 0.036                     |
| 245        | 07/19/2011 | 14:10:18 | 0.036                     |
| 246        | 07/19/2011 | 14:11:18 | 0.036                     |
| 247        | 07/19/2011 | 14:12:18 | 0.035                     |
| 248        | 07/19/2011 | 14:13:18 | 0.034                     |
| 249        | 07/19/2011 | 14:14:18 | 0.037                     |
| 250        | 07/19/2011 | 14:15:18 | 0.035                     |
| 251        | 07/19/2011 | 14:16:18 | 0.035                     |
| 252        | 07/19/2011 | 14:17:18 | 0.035                     |
| 253        | 07/19/2011 | 14:18:18 | 0.037                     |
| 254        | 07/19/2011 | 14:19:18 | 0.038                     |
| 255        | 07/19/2011 | 14:20:18 | 0.035                     |
| 256        | 07/19/2011 | 14:21:18 | 0.038                     |
| 257        | 07/19/2011 | 14:22:18 | 0.035                     |
| 258        | 07/19/2011 | 14:23:18 | 0.036                     |
| 259        | 07/19/2011 | 14:24:18 | 0.036                     |
| 260        | 07/19/2011 | 14:25:18 | 0.037                     |
| 261        | 07/19/2011 | 14:26:18 | 0.036                     |
| 262        | 07/19/2011 | 14:27:18 | 0.036                     |
| 263        | 07/19/2011 | 14:28:18 | 0.037                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 264        | 07/19/2011 | 14:29:18 | 0.034                     |
| 265        | 07/19/2011 | 14:30:18 | 0.034                     |
| 266        | 07/19/2011 | 14:31:18 | 0.035                     |
| 267        | 07/19/2011 | 14:32:18 | 0.037                     |
| 268        | 07/19/2011 | 14:33:18 | 0.036                     |
| 269        | 07/19/2011 | 14:34:18 | 0.035                     |
| 270        | 07/19/2011 | 14:35:18 | 0.036                     |
| 271        | 07/19/2011 | 14:36:18 | 0.036                     |
| 272        | 07/19/2011 | 14:37:18 | 0.035                     |
| 273        | 07/19/2011 | 14:38:18 | 0.035                     |
| 274        | 07/19/2011 | 14:39:18 | 0.036                     |
| 275        | 07/19/2011 | 14:40:18 | 0.034                     |
| 276        | 07/19/2011 | 14:41:18 | 0.034                     |
| 277        | 07/19/2011 | 14:42:18 | 0.031                     |
| 278        | 07/19/2011 | 14:43:18 | 0.031                     |
| 279        | 07/19/2011 | 14:44:18 | 0.031                     |
| 280        | 07/19/2011 | 14:45:18 | 0.031                     |
| 281        | 07/19/2011 | 14:46:18 | 0.033                     |
| 282        | 07/19/2011 | 14:47:18 | 0.035                     |
| 283        | 07/19/2011 | 14:48:18 | 0.032                     |
| 284        | 07/19/2011 | 14:49:18 | 0.034                     |
| 285        | 07/19/2011 | 14:50:18 | 0.034                     |
| 286        | 07/19/2011 | 14:51:18 | 0.033                     |
| 287        | 07/19/2011 | 14:52:18 | 0.034                     |
| 288        | 07/19/2011 | 14:53:18 | 0.032                     |
| 289        | 07/19/2011 | 14:54:18 | 0.036                     |
| 290        | 07/19/2011 | 14:55:18 | 0.032                     |
| 291        | 07/19/2011 | 14:56:18 | 0.032                     |
| 292        | 07/19/2011 | 14:57:18 | 0.031                     |
| 293        | 07/19/2011 | 14:58:18 | 0.031                     |
| 294        | 07/19/2011 | 14:59:18 | 0.034                     |
| 295        | 07/19/2011 | 15:00:18 | 0.036                     |
| 296        | 07/19/2011 | 15:01:18 | 0.034                     |
| 297        | 07/19/2011 | 15:02:18 | 0.032                     |
| 298        | 07/19/2011 | 15:03:18 | 0.032                     |
| 299        | 07/19/2011 | 15:04:18 | 0.032                     |
| 300        | 07/19/2011 | 15:05:18 | 0.035                     |
| 301        | 07/19/2011 | 15:06:18 | 0.034                     |
| 302        | 07/19/2011 | 15:07:18 | 0.033                     |
| 303        | 07/19/2011 | 15:08:18 | 0.033                     |
| 304        | 07/19/2011 | 15:09:18 | 0.032                     |
| 305        | 07/19/2011 | 15:10:18 | 0.033                     |
| 306        | 07/19/2011 | 15:11:18 | 0.035                     |
| 307        | 07/19/2011 | 15:12:18 | 0.035                     |
| 308        | 07/19/2011 | 15:13:18 | 0.033                     |
| 309        | 07/19/2011 | 15:14:18 | 0.033                     |
| 310        | 07/19/2011 | 15:15:18 | 0.033                     |
| 311        | 07/19/2011 | 15:16:18 | 0.036                     |
| 312        | 07/19/2011 | 15:17:18 | 0.036                     |
| 313        | 07/19/2011 | 15:18:18 | 0.038                     |
| 314        | 07/19/2011 | 15:19:18 | 0.038                     |
| 315        | 07/19/2011 | 15:20:18 | 0.039                     |
| 316        | 07/19/2011 | 15:21:18 | 0.037                     |
| 317        | 07/19/2011 | 15:22:18 | 0.038                     |
| 318        | 07/19/2011 | 15:23:18 | 0.034                     |



| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 319        | 07/19/2011 | 15:24:18 | 0.033                     |
| 320        | 07/19/2011 | 15:25:18 | 0.034                     |
| 321        | 07/19/2011 | 15:26:18 | 0.034                     |
| 322        | 07/19/2011 | 15:27:18 | 0.034                     |
| 323        | 07/19/2011 | 15:28:18 | 0.036                     |
| 324        | 07/19/2011 | 15:29:18 | 0.034                     |
| 325        | 07/19/2011 | 15:30:18 | 0.035                     |
| 326        | 07/19/2011 | 15:31:18 | 0.033                     |
| 327        | 07/19/2011 | 15:32:18 | 0.032                     |
| 328        | 07/19/2011 | 15:33:18 | 0.031                     |
| 329        | 07/19/2011 | 15:34:18 | 0.033                     |
| 330        | 07/19/2011 | 15:35:18 | 0.032                     |
| 331        | 07/19/2011 | 15:36:18 | 0.032                     |
| 332        | 07/19/2011 | 15:37:18 | 0.035                     |
| 333        | 07/19/2011 | 15:38:18 | 0.032                     |
| 334        | 07/19/2011 | 15:39:18 | 0.033                     |
| 335        | 07/19/2011 | 15:40:18 | 0.033                     |
| 336        | 07/19/2011 | 15:41:18 | 0.035                     |
| 337        | 07/19/2011 | 15:42:18 | 0.033                     |
| 338        | 07/19/2011 | 15:43:18 | 0.041                     |
| 339        | 07/19/2011 | 15:44:18 | 0.035                     |
| 340        | 07/19/2011 | 15:45:18 | 0.115                     |
| 341        | 07/19/2011 | 15:46:18 | 0.034                     |
| 342        | 07/19/2011 | 15:47:18 | 0.036                     |
| 343        | 07/19/2011 | 15:48:18 | 0.033                     |
| 344        | 07/19/2011 | 15:49:18 | 0.035                     |
| 345        | 07/19/2011 | 15:50:18 | 0.038                     |
| 346        | 07/19/2011 | 15:51:18 | 0.035                     |
| 347        | 07/19/2011 | 15:52:18 | 0.033                     |
| 348        | 07/19/2011 | 15:53:18 | 0.035                     |
| 349        | 07/19/2011 | 15:54:18 | 0.033                     |
| 350        | 07/19/2011 | 15:55:18 | 0.036                     |
| 351        | 07/19/2011 | 15:56:18 | 0.036                     |
| 352        | 07/19/2011 | 15:57:18 | 0.036                     |
| 353        | 07/19/2011 | 15:58:18 | 0.037                     |
| 354        | 07/19/2011 | 15:59:18 | 0.034                     |
| 355        | 07/19/2011 | 16:00:18 | 0.033                     |
| 356        | 07/19/2011 | 16:01:18 | 0.032                     |
| 357        | 07/19/2011 | 16:02:18 | 0.037                     |
| 358        | 07/19/2011 | 16:03:18 | 0.037                     |
| 359        | 07/19/2011 | 16:04:18 | 0.037                     |
| 360        | 07/19/2011 | 16:05:18 | 0.037                     |
| 361        | 07/19/2011 | 16:06:18 | 0.039                     |
| 362        | 07/19/2011 | 16:07:18 | 0.034                     |
| 363        | 07/19/2011 | 16:08:18 | 0.037                     |

# Test 011

| Instrument |           | Data Properties  |             |
|------------|-----------|------------------|-------------|
| Model      | Dust Trak | Start Date       | 07/19/2011  |
| Meter S/N  | 85201065  | Start Time       | 10:02:31    |
|            |           | Stop Date        | 07/19/2011  |
|            |           | Stop Time        | 15:37:31    |
|            |           | Total Time       | 0:05:35:00  |
|            |           | Logging Interval | 300 seconds |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 1          | 07/19/2011 | 10:07:31 | 0.025                     |
| 2          | 07/19/2011 | 10:12:31 | 0.025                     |
| 3          | 07/19/2011 | 10:17:31 | 0.026                     |
| 4          | 07/19/2011 | 10:22:31 | 0.025                     |
| 5          | 07/19/2011 | 10:27:31 | 0.026                     |
| 6          | 07/19/2011 | 10:32:31 | 0.026                     |
| 7          | 07/19/2011 | 10:37:31 | 0.026                     |
| 8          | 07/19/2011 | 10:42:31 | 0.026                     |
| 9          | 07/19/2011 | 10:47:31 | 0.027                     |
| 10         | 07/19/2011 | 10:52:31 | 0.026                     |
| 11         | 07/19/2011 | 10:57:31 | 0.026                     |
| 12         | 07/19/2011 | 11:02:31 | 0.026                     |
| 13         | 07/19/2011 | 11:07:31 | 0.026                     |
| 14         | 07/19/2011 | 11:12:31 | 0.026                     |
| 15         | 07/19/2011 | 11:17:31 | 0.027                     |
| 16         | 07/19/2011 | 11:22:31 | 0.024                     |
| 17         | 07/19/2011 | 11:27:31 | 0.026                     |
| 18         | 07/19/2011 | 11:32:31 | 0.026                     |
| 19         | 07/19/2011 | 11:37:31 | 0.026                     |
| 20         | 07/19/2011 | 11:42:31 | 0.027                     |
| 21         | 07/19/2011 | 11:47:31 | 0.028                     |
| 22         | 07/19/2011 | 11:52:31 | 0.029                     |
| 23         | 07/19/2011 | 11:57:31 | 0.028                     |
| 24         | 07/19/2011 | 12:02:31 | 0.030                     |
| 25         | 07/19/2011 | 12:07:31 | 0.029                     |
| 26         | 07/19/2011 | 12:12:31 | 0.030                     |
| 27         | 07/19/2011 | 12:17:31 | 0.031                     |
| 28         | 07/19/2011 | 12:22:31 | 0.030                     |
| 29         | 07/19/2011 | 12:27:31 | 0.030                     |
| 30         | 07/19/2011 | 12:32:31 | 0.030                     |
| 31         | 07/19/2011 | 12:37:31 | 0.031                     |
| 32         | 07/19/2011 | 12:42:31 | 0.063                     |
| 33         | 07/19/2011 | 12:47:31 | 0.031                     |
| 34         | 07/19/2011 | 12:52:31 | 0.031                     |
| 35         | 07/19/2011 | 12:57:31 | 0.032                     |
| 36         | 07/19/2011 | 13:02:31 | 0.031                     |
| 37         | 07/19/2011 | 13:07:31 | 0.032                     |
| 38         | 07/19/2011 | 13:12:31 | 0.032                     |
| 39         | 07/19/2011 | 13:17:31 | 0.032                     |
| 40         | 07/19/2011 | 13:22:31 | 0.032                     |
| 41         | 07/19/2011 | 13:27:31 | 0.032                     |
| 42         | 07/19/2011 | 13:32:31 | 0.032                     |
| 43         | 07/19/2011 | 13:37:31 | 0.032                     |

| Test Data  |            |          |                           |
|------------|------------|----------|---------------------------|
| Data Point | Date       | Time     | Aerosol mg/m <sup>3</sup> |
| 44         | 07/19/2011 | 13:42:31 | 0.032                     |
| 45         | 07/19/2011 | 13:47:31 | 0.032                     |
| 46         | 07/19/2011 | 13:52:31 | 0.031                     |
| 47         | 07/19/2011 | 13:57:31 | 0.031                     |
| 48         | 07/19/2011 | 14:02:31 | 0.031                     |
| 49         | 07/19/2011 | 14:07:31 | 0.035                     |
| 50         | 07/19/2011 | 14:12:31 | 0.031                     |
| 51         | 07/19/2011 | 14:17:31 | 0.032                     |
| 52         | 07/19/2011 | 14:22:31 | 0.032                     |
| 53         | 07/19/2011 | 14:27:31 | 0.031                     |
| 54         | 07/19/2011 | 14:32:31 | 0.030                     |
| 55         | 07/19/2011 | 14:37:31 | 0.031                     |
| 56         | 07/19/2011 | 14:42:31 | 0.029                     |
| 57         | 07/19/2011 | 14:47:31 | 0.028                     |
| 58         | 07/19/2011 | 14:52:31 | 0.029                     |
| 59         | 07/19/2011 | 14:57:31 | 0.028                     |
| 60         | 07/19/2011 | 15:02:31 | 0.031                     |
| 61         | 07/19/2011 | 15:07:31 | 0.030                     |
| 62         | 07/19/2011 | 15:12:31 | 0.029                     |
| 63         | 07/19/2011 | 15:17:31 | 0.031                     |
| 64         | 07/19/2011 | 15:22:31 | 0.033                     |
| 65         | 07/19/2011 | 15:27:31 | 0.030                     |
| 66         | 07/19/2011 | 15:32:31 | 0.028                     |
| 67         | 07/19/2011 | 15:37:31 | 0.028                     |

**Orchard-Whitney Plating Area - City of Rochester  
Community Air Monitoring Daily Log**

Date: 3/26/2012

Site Representative: JMHF      Time: 0730      On-Site: 0730      Off-Site: \_\_\_\_\_  
 Appr. Wind Direction: North      Appr. Wind Speed: 25      On-Site: \_\_\_\_\_      Off-Site: \_\_\_\_\_  
 Weather Conditions: cold, sunny 36°F      On-Site: \_\_\_\_\_      Off-Site: \_\_\_\_\_

Description of Daily Work  
 Tasks: set up decan; grid PA excavation; set up staging area; chimney wash  
 Action Level Exceedance: None      Yes: (description) \_\_\_\_\_

Notes:      Action Level: Downwind particulate level that exceeds the upwind particulate level by 100 ug/m3. If the action level is exceeded, the Site Representative will immediately notify the Site Safety Officer.  
 Action Level: Downwind VOC levels exceed upwind VOC levels. If action level exceeded, the Site Representative will immediately notify the Site Safety Officer implement minor or major emission monitoring.

| Time | Particulates (ug/m <sup>3</sup> ) |         |          | Volatile Organic Compounds (VOCs) (ppm) |    |          |
|------|-----------------------------------|---------|----------|-----------------------------------------|----|----------|
|      | Upwind                            | BZ      | Downwind | Upwind                                  | BZ | Downwind |
| 0730 | FA00086                           | FA00088 | FA0036   |                                         |    |          |
| 0745 | 0.002                             | 0.021   | 0.057    |                                         |    |          |
| 0800 |                                   |         |          |                                         |    |          |
| 0815 |                                   |         |          |                                         |    |          |
| 0830 |                                   |         |          |                                         |    |          |
| 0845 |                                   |         |          |                                         |    |          |
| 0900 |                                   |         |          |                                         |    |          |
| 0915 | 0.003                             | 0.007   | 0.007    |                                         |    |          |
| 0930 | 0.002                             | 0.002   | 0.003    |                                         |    |          |
| 0945 | 0.000                             | 0.000   | 0.000    |                                         |    |          |
| 1000 | 0.000                             | 0.000   | 0.000    |                                         |    |          |
| 1015 | 0.003                             | 0.014   | 0.023    |                                         |    |          |
| 1030 | 0.017                             | 0.040   | 0.036    |                                         |    |          |
| 1045 | 0.025                             | 0.016   | 0.017    |                                         |    |          |
| 1100 | 0.017                             | 0.047   | 0.029    |                                         |    |          |
| 1115 | 0.016                             | 0.024   | 0.021    |                                         |    |          |
| 1130 | 0.016                             | 0.027   | 0.020    |                                         |    |          |
| 1145 |                                   |         |          |                                         |    |          |
| 1200 |                                   |         |          |                                         |    |          |
| 1215 |                                   |         |          |                                         |    |          |
| 1230 |                                   |         |          |                                         |    |          |
| 1245 |                                   |         |          |                                         |    |          |
| 1300 |                                   |         |          |                                         |    |          |
| 1315 |                                   |         |          |                                         |    |          |
| 1330 |                                   |         |          |                                         |    |          |
| 1345 |                                   |         |          |                                         |    |          |
| 1400 |                                   |         |          |                                         |    |          |
| 1415 |                                   |         |          |                                         |    |          |
| 1430 |                                   |         |          |                                         |    |          |
| 1445 |                                   |         |          |                                         |    |          |
| 1500 |                                   |         |          |                                         |    |          |
| 1515 |                                   |         |          |                                         |    |          |
| 1530 |                                   |         |          |                                         |    |          |
| 1545 |                                   |         |          |                                         |    |          |
| 1600 |                                   |         |          |                                         |    |          |
| 1615 |                                   |         |          |                                         |    |          |
| 1630 |                                   |         |          |                                         |    |          |

*Begin chimney wash rework drainage* →

**Orchard-Whitney Plating Area - City of Rochester  
Community Air Monitoring Daily Log**

Date: 3/27/12

Site Representative: EFD  
 Appr. Wind Direction: N/NE  
 Weather Conditions: Sunny, 25°

Time  
 On-Site: 715  
 On-Site: \_\_\_\_\_  
 On-Site: \_\_\_\_\_

Off-Site: \_\_\_\_\_  
 Off-Site: \_\_\_\_\_  
 Off-Site: \_\_\_\_\_

**Description of Daily Work**

Tasks: Remove remaining chimney ash/debris, Plating Area dig

Action Level Exceedance: None Yes: (description)  
100 ug/m<sup>3</sup> over background

Notes: Action Level: Downwind particulate level that exceeds the upwind particulate level by 100 ug/m<sup>3</sup>.  
 If the action level is exceeded, the Site Representative will immediately notify the Site Safety Officer.

Action Level: Downwind VOC levels exceed upwind VOC levels. If action level exceeded, the Site Representative will immediately notify the Site Safety Officer implement minor or major emission monitoring.

| Time                         | Particulates (ug/m <sup>3</sup> ) |                    |                    | Volatile Organic Compounds (VOCs) (ppm) |    |          |
|------------------------------|-----------------------------------|--------------------|--------------------|-----------------------------------------|----|----------|
|                              | Upwind                            | BZ                 | Downwind           | Upwind                                  | BZ | Downwind |
| 0730                         | <del>FA00086</del>                | <del>FA00088</del> | <del>FA00086</del> |                                         |    |          |
| 0745                         | <del>FA00086</del>                | <del>FA00088</del> | <del>FA00086</del> |                                         |    |          |
| 0800                         | <del>FA00086</del>                | <del>FA00088</del> | <del>FA00086</del> |                                         |    |          |
| 0815                         | <del>FA00086</del>                | <del>FA00088</del> | <del>FA00086</del> |                                         |    |          |
| Background 0830              | 0.002                             | 0.009              | 0.006              |                                         |    |          |
| Begin moving beam mat 0845   | 0.007                             | 0.008              | 0.018              |                                         |    |          |
| 0900                         | 0.010                             | 0.004              | 0.014              |                                         |    |          |
| 0915                         | 0.001                             | 0.013              | 0.017              |                                         |    |          |
| 0930                         | 0.004                             | 0.011              | 0.014              |                                         |    |          |
| 0945                         | 0.003                             | 0.010              | 0.017              |                                         |    |          |
| 1000                         | 0.000                             | 0.007              | 0.012              |                                         |    |          |
| 1015                         | 0.001                             | 0.011              | 0.013              |                                         |    |          |
| 1030                         | 0.000                             | 0.014              | 0.004              |                                         |    |          |
| Stop work 1045               | 0.000                             | 0.009              | 0.012              |                                         |    |          |
| 1100                         | <del>FA00086</del>                | <del>FA00088</del> | <del>FA00086</del> |                                         |    |          |
| 1115                         | <del>FA00086</del>                | <del>FA00088</del> | <del>FA00086</del> |                                         |    |          |
| 1130                         | <del>FA00086</del>                | <del>FA00088</del> | <del>FA00086</del> |                                         |    |          |
| 1145                         | 0.033                             | 0.011              | 0.035              |                                         |    |          |
| break 1200                   | 0.020                             | 0.048              | 0.001              |                                         |    |          |
| 1215                         | <del>FA00086</del>                | <del>FA00088</del> | <del>FA00086</del> |                                         |    |          |
| 1230                         | <del>FA00086</del>                | <del>FA00088</del> | <del>FA00086</del> |                                         |    |          |
| 1245                         | 0.000                             | 0.027              | 0.000              |                                         |    |          |
| 1300                         | <del>FA00086</del>                | <del>FA00088</del> | <del>FA00086</del> |                                         |    |          |
| 1315                         | <del>FA00086</del>                | <del>FA00088</del> | <del>FA00086</del> |                                         |    |          |
| begin back fill chimney 1330 | 0.023                             | 0.033              | 0.033              |                                         |    |          |
| 1345                         | 0.080                             | 0.068              | 0.045              |                                         |    |          |
| 1400                         | 0.027                             | 0.039              | 0.033              |                                         |    |          |
| 1415                         | 0.021                             | 0.047              | 0.031              |                                         |    |          |
| backfill completed 1430      | 0.021                             | 0.031              | 0.021              |                                         |    |          |
| 1445                         |                                   |                    |                    |                                         |    |          |
| 1500                         |                                   |                    |                    |                                         |    |          |
| 1515                         |                                   |                    |                    |                                         |    |          |
| 1530                         |                                   |                    |                    |                                         |    |          |
| 1545                         |                                   |                    |                    |                                         |    |          |
| 1600                         |                                   |                    |                    |                                         |    |          |
| 1615                         |                                   |                    |                    |                                         |    |          |
| 1630                         |                                   |                    |                    |                                         |    |          |

Orchard-Whitney Plating Area - City of Rochester

Community Air Monitoring Daily Log

Date: 3/28/2012

Site Representative: JMIF/ED

Appr. Wind Direction: → N.E

Weather Conditions: cool, 60°F, sunny

Appr. Wind Speed: 15

Time  
On-Site: 0730

On-Site: \_\_\_\_\_

On-Site: \_\_\_\_\_

Off-Site: \_\_\_\_\_

Off-Site: \_\_\_\_\_

Off-Site: \_\_\_\_\_

Description of Daily Work

Tasks: begin excav of PA./Break stockpile concrete, stage imp. soil.

Action Level Exceedance:

None

Yes: (description)

Notes:

Action Level: Downwind particulate level that exceeds the upwind particulate level by 100 ug/m3. If the action level is exceeded, the Site Representative will immediately notify the Site Safety Officer.

Action Level: Downwind VOC levels exceed upwind VOC levels. If action level exceeded, the Site Representative will immediately notify the Site Safety Officer implement minor or major emission monitoring.

| Time                    | FA00088 Particulates (ug/m <sup>3</sup> ) FA00086 |       |          | Volatile Organic Compounds (VOCs) (ppm) |    |          |
|-------------------------|---------------------------------------------------|-------|----------|-----------------------------------------|----|----------|
|                         | Upwind                                            | BZ    | Downwind | Upwind                                  | BZ | Downwind |
| 0730                    | BACKGROUND                                        | 0.016 |          |                                         |    |          |
| 0745                    | ---                                               | ---   | ---      |                                         |    |          |
| begin breaking concrete | ---                                               | ---   | ---      |                                         |    |          |
| 0815                    | 0.014                                             | 0.024 | 0.037    |                                         |    |          |
| 0830                    | 0.004                                             | 0.034 | 0.026    |                                         |    |          |
| 0845                    | 0.027                                             | 0.053 | 0.067    |                                         |    |          |
| 0900                    | 0.027                                             | 0.005 | 0.024    |                                         |    |          |
| collect XRF data        | ---                                               | ---   | ---      |                                         |    |          |
| 0915                    | ---                                               | ---   | ---      |                                         |    |          |
| 0930                    | ---                                               | ---   | ---      |                                         |    |          |
| 0945                    | ---                                               | ---   | ---      |                                         |    |          |
| excavating Cd soil      | 0.009                                             | 0.007 | 0.024    |                                         |    |          |
| 1015                    | 0.015                                             | 0.010 | 0.034    |                                         |    |          |
| XRF                     | ---                                               | ---   | ---      |                                         |    |          |
| 1030                    | ---                                               | ---   | ---      |                                         |    |          |
| peeling concrete        | 0.018                                             | 0.017 | 0.024    |                                         |    |          |
| 1115                    | 0.033                                             | 0.049 | 0.075    |                                         |    |          |
| 1130                    | 0.019                                             | 0.025 | 0.065    |                                         |    |          |
| XRF                     | ---                                               | ---   | ---      |                                         |    |          |
| Lunch                   | X                                                 |       |          |                                         |    |          |
| 1200                    | X                                                 |       |          |                                         |    |          |
| 1215                    | X                                                 |       |          |                                         |    |          |
| 1230                    | X                                                 |       |          |                                         |    |          |
| 1245                    | X                                                 |       |          |                                         |    |          |
| Excavating              | 0.045                                             | 0.059 | 0.054    |                                         |    |          |
| 1300                    | 0.019                                             | 0.042 | 0.096    |                                         |    |          |
| 1315                    | 0.028                                             | 0.026 | 0.033    |                                         |    |          |
| 1330                    | 0.031                                             | 0.036 | 0.072    |                                         |    |          |
| 1345                    | 0.030                                             | 0.044 | 0.086    |                                         |    |          |
| 1400                    | 0.031                                             | 0.051 | 0.075    |                                         |    |          |
| 1415                    | 0.043                                             | 0.065 | 0.058    |                                         |    |          |
| 1430                    | 0.044                                             | 0.052 | 0.047    |                                         |    |          |
| 1445                    | 0.039                                             | 0.043 | 0.051    |                                         |    |          |
| 1500                    |                                                   |       |          |                                         |    |          |
| 1515                    |                                                   |       |          |                                         |    |          |
| 1530                    |                                                   |       |          |                                         |    |          |
| 1545                    |                                                   |       |          |                                         |    |          |
| 1600                    |                                                   |       |          |                                         |    |          |
| 1615                    |                                                   |       |          |                                         |    |          |
| 1630                    |                                                   |       |          |                                         |    |          |

Orchard-Whitney Plating Area - City of Rochester  
Community Air Monitoring Daily Log

Date: 3/30/2012

Site Representative: Jane F. Jones  
Appr. Wind Direction: → N-NW  
Weather Conditions: cool sun 40° F

Time  
On-Site: 0730     Off-Site: \_\_\_\_\_  
On-Site: \_\_\_\_\_     Off-Site: \_\_\_\_\_  
On-Site: \_\_\_\_\_     Off-Site: \_\_\_\_\_

Description of Daily Work  
Tasks: FA 00080

|                          |      |                    |
|--------------------------|------|--------------------|
| Action Level Exceedance: | None | Yes: (description) |
|--------------------------|------|--------------------|

|                                                   |                                                                                                                                                                                                                            |                                                                                                                                                                                                             |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Notes:<br><u>soils sloppy &amp; wet from rain</u> | Action Level: Downwind particulate level that exceeds the upwind particulate level by 100 ug/m <sup>3</sup> .<br>If the action level is exceeded, the Site Representative will immediately notify the Site Safety Officer. | Action Level: Downwind VOC levels exceed upwind VOC levels. If action level exceeded, the Site Representative will immediately notify the Site Safety Officer implement minor or major emission monitoring. |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| Time | Particulates (ug/m <sup>3</sup> ) |       |          | Volatile Organic Compounds (VOCs) (ppm) |    |          |
|------|-----------------------------------|-------|----------|-----------------------------------------|----|----------|
|      | Upwind                            | BZ    | Downwind | Upwind                                  | BZ | Downwind |
| 0730 |                                   |       |          |                                         |    |          |
| 0745 |                                   |       |          |                                         |    |          |
| 0800 |                                   |       |          |                                         |    |          |
| 0815 |                                   |       |          |                                         |    |          |
| 0830 | 0.000                             | 0.000 | 0.002    |                                         |    |          |
| 0845 | 0.009                             | 0.028 | 0.012    |                                         |    |          |
| 0900 | 0.003                             | 0.015 | 0.009    |                                         |    |          |
| 0915 | 0.003                             | 0.009 | 0.006    |                                         |    |          |
| 0930 | ---                               | ---   | ---      |                                         |    |          |
| 0945 | ---                               | ---   | ---      |                                         |    |          |
| 1000 | ---                               | ---   | ---      |                                         |    |          |
| 1015 | ---                               | ---   | ---      |                                         |    |          |
| 1030 | 0.005                             | 0.027 | 0.026    |                                         |    |          |
| 1045 | 0.003                             | 0.022 | 0.017    |                                         |    |          |
| 1100 | 0.010                             | 0.018 | 0.009    |                                         |    |          |
| 1115 | 0.010                             | 0.024 | 0.021    |                                         |    |          |
| 1130 | 0.009                             | 0.017 | 0.027    |                                         |    |          |
| 1145 | 0.008                             | 0.028 | 0.031    |                                         |    |          |
| 1200 | ---                               | ---   | ---      |                                         |    |          |
| 1215 | ---                               | ---   | ---      |                                         |    |          |
| 1230 | ---                               | ---   | ---      |                                         |    |          |
| 1245 | 0.016                             | 0.047 | 0.028    |                                         |    |          |
| 1300 | 0.021                             | 0.059 | 0.025    |                                         |    |          |
| 1315 | 0.019                             | 0.044 | 0.038    |                                         |    |          |
| 1330 | 0.009                             | 0.056 | 0.041    |                                         |    |          |
| 1345 | 0.031                             | 0.063 | 0.059    |                                         |    |          |
| 1400 | 0.030                             | 0.076 | 0.042    |                                         |    |          |
| 1415 | 0.037                             | 0.108 | 0.072    |                                         |    |          |
| 1430 | 0.028                             | 0.073 | 0.042    |                                         |    |          |
| 1445 |                                   |       |          |                                         |    |          |
| 1500 |                                   |       |          |                                         |    |          |
| 1515 |                                   |       |          |                                         |    |          |
| 1530 |                                   |       |          |                                         |    |          |
| 1545 |                                   |       |          |                                         |    |          |
| 1600 |                                   |       |          |                                         |    |          |
| 1615 |                                   |       |          |                                         |    |          |
| 1630 |                                   |       |          |                                         |    |          |

no visible dust.  
excavate from shallow hole, excav. area / soil from W. SW. set excav. MMS spray mcl. on side walls backfilling shallow excav.

LUNCH

Orchard-Whitney Plating Area - City of Rochester

Community Air Monitoring Daily Log

Date: 4/2/2022

Site Representative: JMHF

Appr. Wind Direction: S-SE

Weather Conditions: Fair, 40° sunny

Appr. Wind Speed: 15

Time On-Site: 0730

On-Site: \_\_\_\_\_

On-Site: \_\_\_\_\_

Off-Site: \_\_\_\_\_

Off-Site: \_\_\_\_\_

Off-Site: \_\_\_\_\_

Description of Daily Work

Tasks: peel concrete from Chrom Exc./Exc. Cr<sup>6</sup> soil (Northside)

Action Level Exceedance:

None

Yes: (description)

Notes:

FA00088

Action Level: Downwind particulate level that exceeds the upwind particulate level by 100 ug/m3. If the action level is exceeded, the Site Representative will immediately notify the Site Safety Officer.

Action Level: Downwind VOC levels exceed upwind VOC levels. If action level exceeded, the Site Representative will immediately notify the Site Safety Officer implement minor or major emission monitoring.

| Time | Particulates (ug/m <sup>3</sup> ) |       |          | Volatile Organic Compounds (VOCs) (ppm) |    |          |
|------|-----------------------------------|-------|----------|-----------------------------------------|----|----------|
|      | Upwind                            | BZ    | Downwind | Upwind                                  | BZ | Downwind |
| 0730 |                                   | 0.062 |          |                                         |    |          |
| 0745 | 0.057                             | 0.039 | 0.078    |                                         |    |          |
| 0800 | 0.017                             | 0.030 | 0.042    |                                         |    |          |
| 0815 | 0.029                             | 0.036 | 0.042    |                                         |    |          |
| 0830 | 0.029                             | 0.039 | 0.040    |                                         |    |          |
| 0845 | 0.020                             | 0.029 | 0.026    |                                         |    |          |
| 0900 | 0.022                             | 0.035 | 0.038    |                                         |    |          |
| 0915 | 0.013                             | 0.053 | 0.048    |                                         |    |          |
| 0930 | 0.019                             | 0.040 | 0.039    |                                         |    |          |
| 0945 | 0.050                             | 0.086 | 0.062    |                                         |    |          |
| 1000 | 0.044                             | 0.051 | 0.047    |                                         |    |          |
| 1015 | 0.034                             | 0.050 | 0.081    |                                         |    |          |
| 1030 | 0.029                             | 0.048 | 0.076    |                                         |    |          |
| 1045 | 0.045                             | 0.044 | 0.045    |                                         |    |          |
| 1100 | 0.046                             | 0.056 | 0.055    |                                         |    |          |
| 1115 | 0.021                             | 0.041 | 0.032    |                                         |    |          |
| 1130 | 0.011                             | 0.038 | 0.039    |                                         |    |          |
| 1145 | 0.047                             | 0.045 | 0.057    |                                         |    |          |
| 1200 |                                   |       |          |                                         |    |          |
| 1215 |                                   |       |          |                                         |    |          |
| 1230 |                                   |       |          |                                         |    |          |
| 1245 |                                   |       |          |                                         |    |          |
| 1300 | ---                               | ---   | ---      |                                         |    |          |
| 1315 | ---                               | ---   | ---      |                                         |    |          |
| 1330 | 0.051                             | 0.069 | 0.071    |                                         |    |          |
| 1345 | 0.056                             | 0.107 | 0.088    |                                         |    |          |
| 1400 | ---                               | ---   | ---      |                                         |    |          |
| 1415 | ---                               | ---   | ---      |                                         |    |          |
| 1430 | ---                               | ---   | ---      |                                         |    |          |
| 1445 | ---                               | ---   | ---      |                                         |    |          |
| 1500 | ---                               | ---   | ---      |                                         |    |          |
| 1515 |                                   |       |          |                                         |    |          |
| 1530 |                                   |       |          |                                         |    |          |
| 1545 |                                   |       |          |                                         |    |          |
| 1600 |                                   |       |          |                                         |    |          |
| 1615 |                                   |       |          |                                         |    |          |
| 1630 |                                   |       |          |                                         |    |          |

Peeling concrete

EX - 0-2'

EX. 2-4'

Exc. 4-6'

LUNCH

MIX MASSES

XRF 2-4'; 4-6'

EXC. 4-6'

SPRAY MASSES

SETTING WELL

COVER SOIL

PILES



Orchard-Whitney Plating Area - City of Rochester

Community Air Monitoring Daily Log

Date: 4/3/2012

Site Representative: JMH

Appr. Wind Direction: \_\_\_\_\_

Weather Conditions: \_\_\_\_\_

Appr. Wind Speed: LS

Time  
On-Site: 0730

On-Site: \_\_\_\_\_

On-Site: \_\_\_\_\_

Off-Site: \_\_\_\_\_

Off-Site: \_\_\_\_\_

Off-Site: \_\_\_\_\_

Description of Daily Work

Tasks: \_\_\_\_\_

Action Level Exceedance:

None

Yes: (description)

Notes:

FA00086

Action Level: Downwind particulate level that exceeds the upwind particulate level by 100 ug/m<sup>3</sup>.

If the action level is exceeded, the Site Representative will immediately notify the Site Safety Officer.

Action Level: Downwind VOC levels exceed upwind VOC levels. If action level exceeded, the Site Representative will immediately notify the Site Safety Officer implement minor or major emission monitoring.

| Time | Particulates (ug/m <sup>3</sup> ) |       |          | Volatile Organic Compounds (VOCs) (ppm) |    |          |
|------|-----------------------------------|-------|----------|-----------------------------------------|----|----------|
|      | Upwind                            | BZ    | Downwind | Upwind                                  | BZ | Downwind |
| 0730 |                                   | 0.003 |          |                                         |    |          |
| 0745 |                                   |       |          |                                         |    |          |
| 0800 |                                   |       |          |                                         |    |          |
| 0815 | 0.003                             | 0.003 | 0.003    |                                         |    |          |
| 0830 | 0.003                             | 0.018 | 0.014    |                                         |    |          |
| 0845 | 0.010                             | 0.042 | 0.016    |                                         |    |          |
| 0900 | 0.001                             | 0.047 | 0.018    |                                         |    |          |
| 0915 | 0.002                             | 0.053 | 0.051    |                                         |    |          |
| 0930 | 0.011                             | 0.026 | 0.033    |                                         |    |          |
| 0945 | 0.005                             | 0.031 | 0.029    |                                         |    |          |
| 1000 | 0.008                             | 0.017 | 0.019    |                                         |    |          |
| 1015 | 0.010                             | 0.014 | 0.013    |                                         |    |          |
| 1030 | 0.002                             | 0.011 | 0.011    |                                         |    |          |
| 1045 | 0.007                             | 0.021 | 0.032    |                                         |    |          |
| 1100 | 0.002                             | 0.007 | 0.019    |                                         |    |          |
| 1115 | 0.003                             | 0.005 | 0.011    |                                         |    |          |
| 1130 | 0.005                             | 0.004 | 0.021    |                                         |    |          |
| 1145 | 0.007                             | 0.012 | 0.038    |                                         |    |          |
| 1200 | ---                               | ---   | ---      |                                         |    |          |
| 1215 | ---                               | ---   | ---      |                                         |    |          |
| 1230 | ---                               | ---   | ---      |                                         |    |          |
| 1245 | 0.001                             | 0.009 | 0.006    |                                         |    |          |
| 1300 | 0.009                             | 0.011 | 0.019    |                                         |    |          |
| 1315 | 0.000                             | 0.004 | 0.010    |                                         |    |          |
| 1330 | 0.002                             | 0.010 | 0.008    |                                         |    |          |
| 1345 | 0.001                             | 0.012 | 0.002    |                                         |    |          |
| 1400 |                                   |       |          |                                         |    |          |
| 1415 |                                   |       |          |                                         |    |          |
| 1430 |                                   |       |          |                                         |    |          |
| 1445 |                                   |       |          |                                         |    |          |
| 1500 |                                   |       |          |                                         |    |          |
| 1515 |                                   |       |          |                                         |    |          |
| 1530 |                                   |       |          |                                         |    |          |
| 1545 |                                   |       |          |                                         |    |          |
| 1600 |                                   |       |          |                                         |    |          |
| 1615 |                                   |       |          |                                         |    |          |
| 1630 |                                   |       |          |                                         |    |          |

Time 0730  
 uncoated plates  
 warm up  
 trucks  
 Exc. 6-8'  
 w/ petrol cont.

stop

LUNCH

**Orchard-Whitney Plating Area - City of Rochester  
Community Air Monitoring Daily Log**

Date: 4/4/2012

Site Representative: JMHE

Appr. Wind Direction: → N-NE

Weather Conditions: sunny, fair 50°F

Appr. Wind Speed: 5

Time  
On-Site: 0730

On-Site: \_\_\_\_\_

On-Site: \_\_\_\_\_

Off-Site: \_\_\_\_\_

Off-Site: \_\_\_\_\_

Off-Site: \_\_\_\_\_

Description of Daily Work site becomes v. windy @ ~1:30pm High Dust across site  
Tasks: Calm in work area

Action Level Exceedance: None Yes: (description) Dust exceedance due to site wide dust and berm not work area. (work area sloppier)

Notes: FA00086  
Action Level: Downwind particulate level that exceeds the upwind particulate level by 100 ug/m<sup>3</sup>. If the action level is exceeded, the Site Representative will immediately notify the Site Safety Officer.  
Action Level: Downwind VOC levels exceed upwind VOC levels. If action level exceeded, the Site Representative will immediately notify the Site Safety Officer implement minor or major emission monitoring.

| Time                                       | Particulates (ug/m <sup>3</sup> ) |       |          | Volatile Organic Compounds (VOCs) (ppm) |    |          |
|--------------------------------------------|-----------------------------------|-------|----------|-----------------------------------------|----|----------|
|                                            | Upwind                            | BZ    | Downwind | Upwind                                  | BZ | Downwind |
| 0730                                       |                                   |       |          |                                         |    |          |
| 0745                                       |                                   |       |          |                                         |    |          |
| <u>SPRAYING MOLASSES</u><br>0800           | 0.004                             | 0.014 | 0.026    |                                         |    |          |
| 0815                                       | 0.002                             | 0.010 | 0.023    |                                         |    |          |
| <u>Backfill "Castle"</u><br>0830           | 0.004                             | 0.009 | 0.017    |                                         |    |          |
| <u>Exc. PA-13 for Petrol</u><br>0845       | 0.009                             | 0.030 | 0.047    |                                         |    |          |
| 0900                                       | 0.007                             | 0.019 | 0.052    |                                         |    |          |
| 0915                                       | 0.026                             | 0.038 | 0.041    |                                         |    |          |
| 0930                                       | 0.029                             | 0.060 | 0.038    |                                         |    |          |
| 0945                                       | 0.021                             | 0.052 | 0.040    |                                         |    |          |
| 1000                                       | 0.022                             | 0.021 | 0.019    |                                         |    |          |
| 1015                                       | 0.013                             | 0.026 | 0.012    |                                         |    |          |
| <u>Spray Molasses</u><br>1030              | —                                 | —     | —        |                                         |    |          |
| 1045                                       | —                                 | —     | —        |                                         |    |          |
| 1100                                       | 0.042                             | 0.110 | 0.094    |                                         |    |          |
| <u>Dig Hydraulic Pit, Backfill</u><br>1115 | 0.037                             | 0.089 | 0.075    |                                         |    |          |
| 1130                                       | 0.061                             | 0.072 | 0.077    |                                         |    |          |
| <u>Stone</u><br>1145                       | —                                 | —     | —        |                                         |    |          |
| <u>Backfill</u><br>1200                    | —                                 | —     | —        |                                         |    |          |
| 1215                                       | —                                 | —     | —        |                                         |    |          |
| 1230                                       | 0.027                             | 0.128 | 0.065    |                                         |    |          |
| 1245                                       | 0.018                             | 0.081 | 0.046    |                                         |    |          |
| 1300                                       | 0.017                             | 0.029 | 0.018    |                                         |    |          |
| 1315                                       | 0.009                             | 0.022 | 0.020    |                                         |    |          |
| 1330                                       | 0.010                             | 0.045 | 0.026    |                                         |    |          |
| 1345                                       | 0.089                             | 0.067 | 0.167    |                                         |    |          |
| 1400                                       | 0.158                             | 0.063 | 0.255    |                                         |    |          |
| 1415                                       | 0.331                             | 0.367 | 0.457    |                                         |    |          |
| 1430                                       | 0.048                             | 0.033 | 0.036    |                                         |    |          |
| 1445                                       | 0.051                             | 0.063 | 0.077    |                                         |    |          |
| 1500                                       |                                   |       |          |                                         |    |          |
| 1515                                       |                                   |       |          |                                         |    |          |
| 1530                                       |                                   |       |          |                                         |    |          |
| 1545                                       |                                   |       |          |                                         |    |          |
| 1600                                       |                                   |       |          |                                         |    |          |
| 1615                                       |                                   |       |          |                                         |    |          |
| 1630                                       |                                   |       |          |                                         |    |          |

Orchard-Whitney Plating Area - City of Rochester

Community Air Monitoring Daily Log

Date: 4/5/2012

Site Representative: JMHE  
 Appr. Wind Direction: → SW  
 Weather Conditions: Cold, 40°

Time  
 On-Site: 0730 Off-Site: \_\_\_\_\_  
 On-Site: \_\_\_\_\_ Off-Site: \_\_\_\_\_  
 On-Site: \_\_\_\_\_ Off-Site: \_\_\_\_\_

Description of Daily Work Tasks: backfill PA excavation w/ soil + berm material

Action Level Exceedance: None Yes: (description)

Notes: FA00088  
 Action Level: Downwind particulate level that exceeds the upwind particulate level by 100 ug/m<sup>3</sup>. If the action level is exceeded, the Site Representative will immediately notify the Site Safety Officer.  
 Action Level: Downwind VOC levels exceed upwind VOC levels. If action level exceeded, the Site Representative will immediately notify the Site Safety Officer implement minor or major emission monitoring.

| Time | Particulates (ug/m <sup>3</sup> ) |              |              | Volatile Organic Compounds (VOCs) (ppm) |    |          |
|------|-----------------------------------|--------------|--------------|-----------------------------------------|----|----------|
|      | Upwind                            | BZ           | Downwind     | Upwind                                  | BZ | Downwind |
| 0730 |                                   |              |              |                                         |    |          |
| 0745 | <u>initial backfill</u>           | <u>0.033</u> |              |                                         |    |          |
| 0800 |                                   |              |              |                                         |    |          |
| 0815 | <u>moving backfill</u>            | <u>0.033</u> | <u>0.031</u> | <u>0.048</u>                            |    |          |
| 0830 |                                   | <u>0.031</u> | <u>0.032</u> | <u>0.044</u>                            |    |          |
| 0845 |                                   | <u>0.040</u> | <u>0.036</u> | <u>0.047</u>                            |    |          |
| 0900 |                                   | <u>0.032</u> | <u>0.037</u> | <u>0.041</u>                            |    |          |
| 0915 | <u>Backfilling</u>                | <u>0.077</u> | <u>0.081</u> | <u>0.074</u>                            |    |          |
| 0930 | <u>DUST</u>                       | <u>0.044</u> | <u>0.051</u> | <u>0.048</u>                            |    |          |
| 0945 | <u>(FRESH WORKING)</u>            | <u>0.039</u> | <u>0.034</u> | <u>0.035</u>                            |    |          |
| 1000 | <u>ACROSS WHITNEY ST. BERM)</u>   | <u>0.035</u> | <u>0.048</u> | <u>0.035</u>                            |    |          |
| 1015 | <u>covering piles</u>             | <u>0.034</u> | <u>0.041</u> | <u>0.038</u>                            |    |          |
| 1030 |                                   | <u>—</u>     | <u>—</u>     | <u>—</u>                                |    |          |
| 1045 |                                   | <u>—</u>     | <u>—</u>     | <u>—</u>                                |    |          |
| 1100 |                                   | <u>0.052</u> | <u>0.044</u> | <u>0.036</u>                            |    |          |
| 1115 | <u>Backfilling</u>                | <u>0.102</u> | <u>0.097</u> | <u>0.085</u>                            |    |          |
| 1130 |                                   | <u>0.131</u> | <u>0.188</u> | <u>0.183</u>                            |    |          |
| 1145 | <u>Lunch</u>                      | <u>—</u>     | <u>—</u>     | <u>—</u>                                |    |          |
| 1200 |                                   | <u>—</u>     | <u>—</u>     | <u>—</u>                                |    |          |
| 1215 |                                   | <u>—</u>     | <u>—</u>     | <u>—</u>                                |    |          |
| 1230 |                                   | <u>0.036</u> | <u>0.053</u> | <u>0.081</u>                            |    |          |
| 1245 |                                   | <u>0.047</u> | <u>0.049</u> | <u>0.074</u>                            |    |          |
| 1300 |                                   | <u>0.052</u> | <u>0.088</u> | <u>0.107</u>                            |    |          |
| 1315 |                                   | <u>0.053</u> | <u>0.081</u> | <u>0.057</u>                            |    |          |
| 1330 |                                   | <u>0.075</u> | <u>0.084</u> | <u>0.059</u>                            |    |          |
| 1345 |                                   | <u>0.069</u> | <u>0.073</u> | <u>0.096</u>                            |    |          |
| 1400 |                                   | <u>0.056</u> | <u>0.053</u> | <u>0.060</u>                            |    |          |
| 1415 |                                   | <u>0.071</u> | <u>0.083</u> | <u>0.077</u>                            |    |          |
| 1430 |                                   | <u>0.038</u> | <u>0.047</u> | <u>0.073</u>                            |    |          |
| 1445 |                                   | <u>0.054</u> | <u>0.051</u> | <u>0.067</u>                            |    |          |
| 1500 |                                   | <u>0.062</u> | <u>0.066</u> | <u>0.081</u>                            |    |          |
| 1515 |                                   | <u>0.087</u> | <u>0.079</u> | <u>0.096</u>                            |    |          |
| 1530 | <u>STEP →</u>                     |              |              |                                         |    |          |
| 1545 |                                   |              |              |                                         |    |          |
| 1600 |                                   |              |              |                                         |    |          |
| 1615 |                                   |              |              |                                         |    |          |
| 1630 |                                   |              |              |                                         |    |          |

**Orchard-Whitney Plating Area - City of Rochester  
Community Air Monitoring Daily Log**

Date: 4/6/12

Site Representative: ED  
 Appr. Wind Direction: NE  
 Weather Conditions: Sunny, 35°

Time  
 On-Site: 7:15      Off-Site: 3:30  
 On-Site: \_\_\_\_\_      Off-Site: \_\_\_\_\_  
 On-Site: \_\_\_\_\_      Off-Site: \_\_\_\_\_

**Description of Daily Work**

Tasks: Loading/Disposal of contaminated soil

|                          |      |                    |
|--------------------------|------|--------------------|
| Action Level Exceedance: | None | Yes: (description) |
|--------------------------|------|--------------------|

Notes: **FA00088**  
 Action Level: Downwind particulate level that exceeds the upwind particulate level by 100 ug/m<sup>3</sup>. If the action level is exceeded, the Site Representative will immediately notify the Site Safety Officer.  
 Action Level: Downwind VOC levels exceed upwind VOC levels. If action level exceeded, the Site Representative will immediately notify the Site Safety Officer implement minor or major emission monitoring.

| Time                    | Particulates (ug/m <sup>3</sup> ) |       |          | Volatile Organic Compounds (VOCs) (ppm) |    |          |
|-------------------------|-----------------------------------|-------|----------|-----------------------------------------|----|----------|
|                         | Upwind                            | BZ    | Downwind | Upwind                                  | BZ | Downwind |
| 0730                    | BACKGROUND = 0.053                |       |          |                                         |    |          |
| LOADING TRUCKS<br>0745  | 0.047                             | 0.051 | 0.043    |                                         |    |          |
| MOVING SOIL<br>0800     | 0.058                             | 0.057 | 0.061    |                                         |    |          |
| PILES<br>0815           | 0.049                             | 0.043 | 0.037    |                                         |    |          |
| 0830                    | 0.061                             | 0.077 | 0.039    |                                         |    |          |
| * visible dust<br>0845  | 0.055                             | 0.051 | 0.073    |                                         |    |          |
| generated on<br>0900    | 0.050                             | 0.043 | 0.057    |                                         |    |          |
| slab, not from<br>0915  | 0.001                             | 0.018 | 0.031    |                                         |    |          |
| soil landing or<br>0930 | 0.013                             | 0.029 | 0.035    |                                         |    |          |
| moving but<br>0945      | 0.007                             | 0.013 | 0.041    |                                         |    |          |
| from wind<br>1000       | 0.014                             | 0.023 | 0.018    |                                         |    |          |
| gusts<br>1015           | 0.011                             | 0.031 | 0.033    |                                         |    |          |
| 1030                    | 0.021                             | 0.017 | 0.022    |                                         |    |          |
| 1045                    | 0.003                             | 0.007 | 0.005    |                                         |    |          |
| 1100                    | 0.005                             | 0.011 | 0.012    |                                         |    |          |
| 1115                    | 0.009                             | 0.015 | 0.021    |                                         |    |          |
| 1130                    | 0.013                             | 0.018 | 0.011    |                                         |    |          |
| 1145                    | 0.031                             | 0.043 | 0.037    |                                         |    |          |
| lunch<br>(STOP)<br>1200 | 0.024                             | 0.031 | 0.041    |                                         |    |          |
| (BACKGROUND)<br>1215    | 0.019                             | 0.013 | 0.009    |                                         |    |          |
| START<br>1230           | 0.014                             | 0.017 | 0.031    |                                         |    |          |
| 1245                    | 0.035                             | 0.031 | 0.047    |                                         |    |          |
| 1300                    | 0.017                             | 0.014 | 0.020    |                                         |    |          |
| 1315                    | 0.031                             | 0.038 | 0.033    |                                         |    |          |
| 1330                    | 0.019                             | 0.011 | 0.014    |                                         |    |          |
| 1345                    | 0.033                             | 0.024 | 0.027    |                                         |    |          |
| 1400                    | 0.017                             | 0.022 | 0.041    |                                         |    |          |
| STOP WORK →<br>1415     |                                   |       |          |                                         |    |          |
| 1430                    |                                   |       |          |                                         |    |          |
| 1445                    |                                   |       |          |                                         |    |          |
| 1500                    |                                   |       |          |                                         |    |          |
| 1515                    |                                   |       |          |                                         |    |          |
| 1530                    |                                   |       |          |                                         |    |          |
| 1545                    |                                   |       |          |                                         |    |          |
| 1600                    |                                   |       |          |                                         |    |          |
| 1615                    |                                   |       |          |                                         |    |          |
| 1630                    |                                   |       |          |                                         |    |          |

ORCHARD/WHITNEY SOIL LOADING

4/16/12 overcast, 65° (730)

WILL/MIKE Optech

- 700 Optech on site
- 715 Lu on site; Ricelli 10-wheeler w/ tandem trailer on site  
for non-haz. soil
- 730 Bobcat mini-excavator w/ hoe ram attachment on site for  
breaking up concrete footer (chrom.); Optech loads out truck
- 750 Ricelli truck leaves site (337 tons non-haz.); Optech moves  
Cr<sup>6</sup> concrete stages on slab next to haz. pile; begins breaking up concrete  
footer

DUST MONITORING

|                       |      | <u>UPWIND</u>                        | <u>BZ</u> | <u>DOWNSWIND</u> | <u>PID</u> |
|-----------------------|------|--------------------------------------|-----------|------------------|------------|
| NH<br>Soil<br>loading | 730  | BACKGROUND = 0.030 mg/m <sup>3</sup> |           |                  |            |
|                       | 730  | 0.027                                | 0.031     | 0.061            | 0          |
| Breaking<br>concrete  | 745  | 0.031                                | 0.021     | 0.083            | 2.7        |
|                       | 800  | 0.019                                | 0.024     | 0.047            | 0          |
|                       | 815  | 0.025                                | 0.033     | 0.051            | 0          |
| finish<br>concrete    | 830  | 0.031                                | 0.027     | 0.061            | 0          |
|                       | 845  | 0.024                                | 0.029     | 0.034            | 0          |
|                       | 930  | 0.023                                | 0.035     | 0.053            | 0          |
| NH<br>Soil<br>loading | 945  | 0.029                                | 0.041     | 0.037            | 4.7        |
|                       | 1000 | 0.034                                | 0.053     | 0.077            | 7.1        |
| LOADING<br>HAZ. SOIL  | 1045 | 0.030                                | 0.026     | 0.041            | 0          |
|                       | 1100 | 0.018                                | 0.024     | 0.045            | 0.8        |
|                       | 1115 | 0.017                                | 0.021     | 0.028            | 0          |
| TEST PIT              | 145  | 0.021                                | 0.023     | 0.037            |            |
|                       | 200  | 0.016                                | 0.020     | 0.029            |            |
|                       | 215  | 0.028                                | 0.027     | 0.039            |            |
|                       | 230  | 0.023                                | 0.033     | 0.043            |            |
|                       | 245  | 0.029                                | 0.031     | 0.037            |            |
|                       | 300  | 0.032                                | 0.040     | 0.039            |            |
|                       | 315  | 0.027                                | 0.033     | 0.045            |            |

DONE  
(NO SOIL  
MOVEMENT)

Exchange  
Structure

8<sup>45</sup> Done breaking concrete (backhoe  $\frac{1}{2}$  hoe ram); Jane F. on site

9<sup>00</sup> Optech drains purge water drums onto haz. soil pile

(1x 30 gal  $\frac{1}{2}$ , 1x 15 gal, 1x 35 gal)

9<sup>12</sup> Bobcat picks up hoe ram (rental) excavator  $\frac{1}{2}$  leaves site

9<sup>23</sup> Ricelli truck returns to site for non-haz load out, loads out  $\frac{1}{2}$

9<sup>50</sup> leaves; tiny bit (500 lbs  $\frac{1}{2}$ ) of Non haz soil remains ... add to haz. pile

10<sup>00</sup> Haz. trucks arrive (2x trailer - 8 wheels) from Page E.T.C. Inc.

11<sup>10</sup> First truck is loaded, tarped and leaves site; load 2<sup>nd</sup> truck

~~add~~ add 2 crocks/soil from drum onto haz. pile for disposal; all

purge/development water from plating area has been added to haz. soil

11<sup>45</sup> 2<sup>nd</sup> truck of haz leaves site (tarped); Optech changes

bucket on excavator for final test pitting

12<sup>30</sup> lunch

1<sup>00</sup> Optech sends Will to shop w/ trailer of empty totes, equip

2<sup>15</sup>; 1<sup>st</sup> Haz. truck returns to site; was 6,000 lbs overweight

begin test pit 7B headed south from TP-7; excavate monitoring well

approx. 30' south, 10-12' west of MW 20; TP 7B extends to within

12-15' of tunnel wall, still impacted from 4' to 7-8' (grey)

Optech stages 2x 275 gal chimney water totes on trailer; 55 gal drum;

backfills TP 7B

Optech/hu offsite, site secure

# Appendix K – Soil and Groundwater Analytical Results

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[Digital Copy Only]

## Appendix L – Data Usability Summary Reports

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[Digital Copy Only]



**DATA USABILITY SUMMARY REPORT**  
**Orchard Whitney Plating Area IRM**

**Water Volatile Organic Analyses by Method SW846 8260B**

**Samples Collected: December 3rd & 4th, 2012**

**Samples Received at Paradigm on December 3rd & 4th, 2012**

**Sample Delivery Group: 12:4962-4988**

**Laboratory Reference Numbers:**

| <b>Lab Sample ID</b> | <b>Field Sample ID</b> |
|----------------------|------------------------|
| 12:4962-01           | PA03 12-03-12          |
| 12:4962-02           | PA04 12-03-12          |
| 12:4962-03           | PA09 12-03-12          |
| 12:4962-04           | PA14 12-03-12          |
| 12:4962-05           | PA15S 12-03-12         |
| 12:4962-06           | PA15D 12-03-12         |
| 12:4962-07           | MW16 12-03-12          |
| 12:4962-08           | MW17 12-03-12          |
| 12:4962-09           | MW15 12-03-12          |
| 12:4962-10           | MW23 12-03-12          |
| 12:4962-11           | Trip Blank             |
| 12:4988-01           | MW19 12-04-12          |
| 12:4988-02           | MW06 12-04-12          |
| 12:4988-02 MS        | MW06 12-04-12 MS       |
| 12:4988-02 MSD       | MW06 12-04-12 MSD      |
| 12:4988-03           | MW07 12-04-12          |
| 12:4988-04           | MW18 12-04-12          |
| 12:4988-05           | MW20 12-04-12          |
| 12:4988-06           | MW05 12-04-12          |
| 12:4988-07           | MW13 12-04-12          |
| 12:4988-08           | MW21 12-04-12          |
| 12:4988-09           | MW11 12-04-12          |
| 12:4988-10           | MW14 12-04-12          |
| 12:4988-11           | MW20 12-04-12 Dup      |

Water samples were validated for analyses of volatile organics by the US EPA Region II data validation SOP (HW-24, Revision 2, 2008). Data were reviewed for usability according to the following criteria:

- \* - Data Completeness
- \* - GC/MS Tuning
- \* - Holding Times
  - Calibrations
  - Laboratory Blanks
  - Trip Blank
- \* - Surrogate Compound Recoveries
- \* - Internal Standard Recoveries
- \* - Matrix Spike / Matrix Spike Duplicate
- \* - Laboratory Control Samples
- \* - Compound Identification
- \* - Compound Quantitation

\* - Indicates that all criteria were met for this parameter.

## DATA VALIDATION SUMMARY

The problems calibrations and blanks should be noted. These are discussed in detail below.

### Holding Times

All samples were analyzed within 14 days of collection.

### Tunes

No problems were detected with the tunes associated with the samples of this delivery group.

### Surrogate Compound Recoveries

All surrogate compound recoveries were within the 80% - 120% quality assurance limits referenced in the data validation protocols..

### Calibrations

All of the %RSDs were less than 20% with the exceptions of acetone (119%) and methylene chloride (119%).

Undetected data were flagged with the "R" qualifier and technically rejected since the %RSDs were greater than 90%.

When one of these compounds was detected in a sample, the data were flagged with the "J" qualifier and are estimated values.

All of the percent differences in the 12/7 continuing calibration were less than 20% with the exceptions of acetone (31%) and methylene chloride (51%)

Undetected data for acetone and methylene chloride were previously rejected due to their high %RSDs.

This continuing calibration was associated with the following samples:

|            |                |
|------------|----------------|
| 12:4962-01 | PA03 12-03-12  |
| 12:4962-02 | PA04 12-03-12  |
| 12:4962-03 | PA09 12-03-12  |
| 12:4962-05 | PA15S 12-03-12 |
| 12:4962-06 | PA15D 12-03-12 |
| 12:4962-07 | MW16 12-03-12  |
| 12:4962-08 | MW17 12-03-12  |
| 12:4962-09 | MW15 12-03-12  |
| 12:4962-10 | MW23 12-03-12  |
| 12:4962-11 | Trip Blank     |

All of the percent differences in the 12/11 continuing calibration were less than 20% with the exceptions of acetone (46%) and methylene chloride (51%).

Undetected data for acetone and methylene chloride were previously rejected due to their high %RSDs.

This continuing calibration was associated with the following samples:

|            |               |
|------------|---------------|
| 12:4962-04 | PA14 12-03-12 |
| 12:4988-01 | MW19 12-04-12 |
| 12:4988-02 | MW06 12-04-12 |
| 12:4988-03 | MW07 12-04-12 |

All of the percent differences in the 12/12 continuing calibration were less than 20% with the exceptions of acetone (43%), methylene chloride (53%) and 1,4-dioxane (27%).

Undetected data for acetone, methylene chloride 1,4-dioxane were previously rejected due to their high %RSDs and / or low relative response factors..

This continuing calibration was associated with the following samples:

|            |                   |
|------------|-------------------|
| 12:4988-04 | MW18 12-04-12     |
| 12:4988-05 | MW20 12-04-12     |
| 12:4988-06 | MW05 12-04-12     |
| 12:4988-07 | MW13 12-04-12     |
| 12:4988-08 | MW21 12-04-12     |
| 12:4988-09 | MW11 12-04-12     |
| 12:4988-10 | MW14 12-04-12     |
| 12:4988-11 | MW20 12-04-12 Dup |

All of the relative response factors (rrfs) were greater than 0.05 with the exceptions of 2-butanone (0.030) and 1,4-dioxane (0.009).

The undetected data for 2-butanone and 1,4-dioxane were flagged with the "R" qualifier and technically rejected.

Detected data were flagged with the "J" qualifier and are estimated values.

### Matrix Spike

The laboratory's in-house QC limits noted on their summary forms were often wider than the 70% - 130% Region 2 limits. The data were validated on the basis of the Region 2 limits.

Sample 12:4988-02 / MW06 12-04-12 was used for the matrix spike and matrix spike duplicate.

All recoveries and RPDs were within the required limits.

Only 5 compounds were reported in the spiking solution.

### Laboratory Control Sample

The laboratory's in-house QC limits noted on their summary forms were often wider than the 70% - 130% Region 2 limits. The data were validated on the basis of the Region 2 limits.

All of the laboratory control samples were within the 70% - 130% limits.

Only 5 compounds were reported in the laboratory control samples.

### Method Blanks

Acetone was detected in two of the method blanks, 12.36 ug/l (12/7) and 11.6 ug/l (12/12).

These blanks were associated with the analyses of the following samples:

|            |                   |
|------------|-------------------|
| 12:4962-01 | PA03 12-03-12     |
| 12:4962-02 | PA04 12-03-12     |
| 12:4962-03 | PA09 12-03-12     |
| 12:4962-05 | PA15S 12-03-12    |
| 12:4962-06 | PA15D 12-03-12    |
| 12:4962-07 | MW16 12-03-12     |
| 12:4962-08 | MW17 12-03-12     |
| 12:4962-09 | MW15 12-03-12     |
| 12:4962-10 | MW23 12-03-12     |
| 12:4962-11 | Trip Blank        |
| 12:4988-04 | MW18 12-04-12     |
| 12:4988-05 | MW20 12-04-12     |
| 12:4988-06 | MW05 12-04-12     |
| 12:4988-07 | MW13 12-04-12     |
| 12:4988-08 | MW21 12-04-12     |
| 12:4988-09 | MW11 12-04-12     |
| 12:4988-10 | MW14 12-04-12     |
| 12:4988-11 | MW20 12-04-12 Dup |

Only low concentrations of acetone, less than the concentrations in the method blanks, were detected in these samples.

All of the acetone data in these samples, with the exception of the Trip Blank, were flagged with the "R" qualifier and technically rejected.

No other compounds were detected in the method blanks.

### Trip Blank

The trip blank contained 7.61 JB ug/l of acetone.

Acetone was detected in the associated method blank at a concentration of 12 ug/l.

### **Internal Standard Areas and Retention Times**

The areas and retention times of all other standards were within the required quality control limits.

### **Sample Results**

No problems were detected with any of the samples.

**SUMMARY OF THE ANALYTICAL DATA VALIDATION  
Orchard Whitney Plating Area IRM**

**Water Total Metals Analyses**

**Samples Collected: December 3rd & 4th, 2012**

**Samples Received at Paradigm on December 3rd & 4th, 2012**

**Sample Delivery Group: 12:4962-4988**

**Laboratory Reference Numbers:**

| <b>Lab Sample ID</b> | <b>Field Sample ID</b> |
|----------------------|------------------------|
| 12:4962-01           | PA03 12-03-12          |
| 12:4962-02           | PA04 12-03-12          |
| 12:4962-03           | PA09 12-03-12          |
| 12:4962-04           | PA14 12-03-12          |
| 12:4962-05           | PA15S 12-03-12         |
| 12:4962-06           | PA15D 12-03-12         |
| 12:4962-07           | MW16 12-03-12          |
| 12:4962-08           | MW17 12-03-12          |
| 12:4962-09           | MW15 12-03-12          |
| 12:4962-10           | MW23 12-03-12          |
| 12:4962-10 MS ICP    | MW23 12-03-12 MS       |
| 12:4962-10 MD ICP    | MW23 12-03-12 MD       |
| 12:4988-01           | MW19 12-04-12          |
| 12:4988-02           | MW06 12-04-12          |
| 12:4988-02 MS ICP    | MW06 12-04-12 MS       |
| 12:4988-02 MD ICP    | MW06 12-04-12 MD       |
| 12:4988-03           | MW07 12-04-12          |
| 12:4988-04           | MW18 12-04-12          |
| 12:4988-05           | MW20 12-04-12          |
| 12:4988-06           | MW05 12-04-12          |
| 12:4988-07           | MW13 12-04-12          |
| 12:4988-08           | MW21 12-04-12          |
| 12:4988-09           | MW11 12-04-12          |
| 12:4988-10           | MW14 12-04-12          |
| 12:4988-10 MS ICP    | MW14 12-04-12 MS       |
| 12:4988-10 MD ICP    | MW14 12-04-12 MD       |
| 12:4988-11           | MW20 12-04-12 Dup      |
| 12:4988-11 MS Hg     | MW20 12-04-12 Dup      |
| 12:4988-11 MD Hg     | MW20 12-04-12 Dup      |

Water samples were validated for inorganic analyses by the US EPA Region II data validation SOP (HW-2, Revision 13). Data were reviewed for usability according to the following criteria:

- \* - Holding Times
- \* - Calibration Verification
  - CRDL Standard
- \* - Laboratory Control Sample
  - Serial Dilution
- \* - Calibration Blanks
  - Field Blank
- \* - Preparation Blanks
- \* - Matrix Spike
- \* - Duplicate Analyses
- \* - ICP Interference Check Sample
- \* - Detection Limit Results
- \* - Linear Range
- \* - Sample Results

\* - Indicates that all criteria were met for this parameter.

### **Data Validation Summary**

A serial dilution and CRDL standards were not analyzed.

No other problems were detected that would affect the use of the data.

### **Holding Times**

All samples were analyzed within the required holding times.

### **Initial and Continuing Calibrations**

No problems were found with any of the initial or continuing calibrations.

### **Preparation Blank**

No compounds were detected in the one preparation blank associated with the digestions of these samples at concentrations above the CRDL. Several analytes were found in the preparation blank at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table.

### **Calibration Blanks**

Several analytes were found in the continuing calibration blanks at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table and do not affect the end use of the data.

**Field Blank**

A field blank was not collected with this sample delivery group.

**ICP Interference Check Sample**

All of the ICP interference check standard recoveries were within the required limits.

**Matrix Spike Recovery**

Samples 12:4962-10 / MW23 12-03-12, 12:4988-02 / MW06 12-04-12 and 12:4988-10 were used as the matrix spike for the ICP analysis.

Sample 12:4988-11 / MW20 12-04-12 Dup was used as the matrix spike for the mercury analysis.

All of the recoveries were within the 75% - 125% quality control limits used for the purpose of the data validation.

**Duplicate Analysis**

Samples 12:4962-10 / MW23 12-03-12, 12:4988-02 / MW06 12-04-12 and 12:4988-10 were used as the matrix duplicate for the ICP analysis.

Sample 12:4988-11 / MW20 12-04-12 Dup was used as the matrix duplicate for the mercury analysis.

All percent differences were less than the 20% quality control limits used for the validation.

**Laboratory Control Sample**

No problems were detected with the recoveries of the LCS standards.

**Serial Dilutions**

A serial dilution was not analyzed.

**Instrument Detection Limit**

No problems were found with the instrument detection limits.

**ICP Linear Ranges**

No problems were detected with the linear ranges.

**Sample Results**

No problems were detected with any of the data.



**SUMMARY OF THE ANALYTICAL DATA VALIDATION  
Orchard Whitney Plating Area IRM**

**Water Total Metals Analyses**

**Samples Collected: December 6, 2012**

**Samples Received at Paradigm on December 6, 2012**

**Sample Delivery Group: 12:5042**

**Laboratory Reference Numbers:**

| <b>Lab Sample ID</b> | <b>Field Sample ID</b> |
|----------------------|------------------------|
| 12:5042-01           | MW24_12-06-12          |
| 12:5042-02           | MW25 12-06-12          |
| 12:5042-03           | MW09 12-06-12          |
| 12:5042-03 MS        | MW09 12-06-12 MS       |
| 12:5042-03 MSD       | MW09 12-06-12 MSD      |
| 12:5042-04           | MW10 12-06-12          |
| 12:5042-05           | MW22 12-06-12          |
| 12:5042-06           | MW10 12-06-12          |
| 12:5042-07           | MW12 12-06-12          |
| 12:5042-08           | MW08 12-06-12          |

Water samples were validated for inorganic analyses by the US EPA Region II data validation SOP (HW-2, Revision 13). Data were reviewed for usability according to the following criteria:

- \* - Holding Times
- \* - Calibration Verification
  - CRDL Standard
- \* - Laboratory Control Sample
  - Serial Dilution
- \* - Calibration Blanks
  - Field Blank
- \* - Preparation Blanks
- \* - Matrix Spike
- \* - Duplicate Analyses
- \* - ICP Interference Check Sample
- \* - Detection Limit Results
- \* - Linear Range
- \* - Sample Results

\* - Indicates that all criteria were met for this parameter.

**Data Validation Summary**

A serial dilution and CRDL standards were not analyzed.

No other problems were detected that would affect the use of the data.

**Holding Times**

All samples were analyzed within the required holding times.

**Initial and Continuing Calibrations**

No problems were found with any of the initial or continuing calibrations.

**Preparation Blank**

No compounds were detected in the one preparation blank associated with the digestions of these samples at concentrations above the CRDL. Several analytes were found in the preparation blank at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table.

**Calibration Blanks**

Several analytes were found in the continuing calibration blanks at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table and do not affect the end use of the data.

**Field Blank**

A field blank was not collected with this sample delivery group.

**ICP Interference Check Sample**

All of the ICP interference check standard recoveries were within the required limits.

**Matrix Spike Recovery**

Samples 12:5042-03 / MW09 12-06-12 used as the matrix spike,

All of the recoveries were within the 75% - 125% quality control limits used for the purpose of the data validation.

**Duplicate Analysis**

Sample 12:5042-03 / MW09 12-06-12 was used as the matrix duplicate

All percent differences were less than the 20% quality control limits used for the validation.

**Laboratory Control Sample**

No problems were detected with the recoveries of the LCS standards.

### **Serial Dilutions**

A serial dilution was not analyzed.

### **Instrument Detection Limit**

No problems were found with the instrument detection limits.

### **ICP Linear Ranges**

No problems were detected with the linear ranges.

### **Sample Results**

No problems were detected with any of the data.

**DATA USABILITY SUMMARY REPORT**  
**Orchard Whitney Plating Area IRM**

**Water Volatile Organic Analyses by Method SW846 8260B**

**Samples Collected: December 6, 2012**

**Samples Received at Paradigm on December 6, 2012**

**Sample Delivery Group: 12:5042**

**Laboratory Reference Numbers:**

| <b>Lab Sample ID</b> | <b>Field Sample ID</b> |
|----------------------|------------------------|
| 12:5042-01           | MW24_12-06-12          |
| 12:5042-02           | MW25 12-06-12          |
| 12:5042-03           | MW09 12-06-12          |
| 12:5042-03 MS        | MW09 12-06-12 MS       |
| 12:5042-03 MSD       | MW09 12-06-12 MSD      |
| 12:5042-04           | MW10 12-06-12          |
| 12:5042-05           | MW22 12-06-12          |
| 12:5042-06           | MW10 12-06-12          |
| 12:5042-07           | MW12 12-06-12          |
| 12:5042-08           | MW08 12-06-12          |

Water samples were validated for analyses of volatile organics by the US EPA Region II data validation SOP (HW-24, Revision 2, 2008). Data were reviewed for usability according to the following criteria:

- \* - Data Completeness
- \* - GC/MS Tuning
- \* - Holding Times
  - Calibrations
  - Laboratory Blanks
  - Trip Blank
- \* - Surrogate Compound Recoveries
- \* - Internal Standard Recoveries
- \* - Matrix Spike / Matrix Spike Duplicate
- \* - Laboratory Control Samples
- \* - Compound Identification
- \* - Compound Quantitation

\* - Indicates that all criteria were met for this parameter.

**DATA VALIDATION SUMMARY**

The problems calibrations and method blanks should be noted. These are discussed in detail below.

**Holding Times**

All samples were analyzed within 14 days of collection.

## Tunes

No problems were detected with the tunes associated with the samples of this delivery group.

## Surrogate Compound Recoveries

All surrogate compound recoveries were within the 80% - 120% quality assurance limits referenced in the data validation protocols.

## Calibrations

All of the %RSDs were less than 20% with the exceptions of acetone (119%) and methylene chloride (119%).

Undetected data were flagged with the "R" qualifier and technically rejected since the %RSDs were greater than 90%.

When one of these compounds was detected in a sample, the data were flagged with the "J" qualifier and are estimated values.

All of the percent differences in the 12/13 continuing calibration were less than 20% with the exceptions of acetone (39%) and methylene chloride (50%).

Undetected data for acetone and methylene chloride were previously rejected due to their high %RSDs.

This continuing calibration was associated with the following samples:

|            |               |
|------------|---------------|
| 12:5042-01 | MW24_12-06-12 |
| 12:5042-02 | MW25 12-06-12 |
| 12:5042-03 | MW09 12-06-12 |
| 12:5042-04 | MW10 12-06-12 |
| 12:5042-05 | MW22 12-06-12 |
| 12:5042-06 | MW10 12-06-12 |

All of the percent differences in the 12/14 continuing calibration were less than 20% with the exceptions of acetone (36%), methylene chloride (55%) and 1,4-dioxane (27%).

Undetected data for acetone and methylene chloride were previously rejected due to their high %RSDs.

This continuing calibration was associated with the following samples:

|            |               |
|------------|---------------|
| 12:5042-07 | MW12 12-06-12 |
| 12:5042-08 | MW08 12-06-12 |

All of the relative response factors (rrfs) were greater than 0.05 with the exceptions of 2-butanone (0.030) and 1,4-dioxane (0.009).

The undetected data for 2-butanone and 1,4-dioxane were flagged with the "R" qualifier and technically rejected.

Detected data were flagged with the "J" qualifier and are estimated values.

### **Matrix Spike**

The laboratory's in-house QC limits noted on their summary forms were often wider than the 70% - 130% Region 2 limits. The data were validated on the basis of the Region 2 limits.

Sample 12:5042-03 / MW09 12-06-12 was used for the matrix spike and matrix spike duplicate.

All recoveries and RPDs were within the required limits.

Only 5 compounds were reported in the spiking solution.

### **Laboratory Control Sample**

The laboratory's in-house QC limits noted on their summary forms were often wider than the 70% - 130% Region 2 limits. The data were validated on the basis of the Region 2 limits.

All of the laboratory control samples were within the 70% - 130% limits.

Only 5 compounds were reported in the laboratory control samples.

### **Method Blanks**

Acetone was detected in two of the method blanks, 14.7 ug/l (12/13) and 15.6 ug/l (12/14).

These blanks were associated with the analyses of all of the samples:

Only low concentrations of acetone, less than the concentrations in the method blanks, were detected in these samples.

All of the acetone data in these samples were flagged with the "R" qualifier and technically rejected.

### **Trip Blank**

A trip blank was not analyzed with this sample delivery group.

### **Internal Standard Areas and Retention Times**

The areas and retention times of all other standards were within the required quality control limits.

### **Sample Results**

No problems were detected with any of the samples.

**SUMMARY OF THE ANALYTICAL DATA VALIDATION  
Orchard Whitney Plating Area IRM**

**Soil Total Metals Analyses**

**Samples Collected: July 7th through 13th, 2011**

**Samples Received at Paradigm on July 27, 2011**

**Sample Delivery Group: 11-3106**

**Laboratory Reference Numbers:**

| <b>Lab Sample ID</b> | <b>Field Sample ID</b> | <b>Date Collected</b> |
|----------------------|------------------------|-----------------------|
| 10226                | OW-PA05-(11-13')       | 7/7/2011              |
| 10227                | OW-PA09-(9-11')        | 7/11/2011             |
| 10228                | OW-PA10-(11.5-13.5')   | 7/11/2011             |
| 10229                | OW-PA11-(9.S-11.S')    | 7/11/2011             |
| 10230                | OW-PA12-(9-11')        | 7/12/2011             |
| 10231                | OW-PA13-(11-12')       | 7/12/2011             |
| 10232                | OW-PA14-(15-16')       | 7/13/2011             |
| 10233                | OW-PA15-(11-13')       | 7/13/2011             |
| 10233 MS             | OW-PA15-(11-13') MS    | 7/13/2011             |
| 10233 MD             | OW-PA15-(11-13') MD    | 7/13/2011             |

Soil samples were validated for inorganic analyses by the US EPA Region II data validation SOP (HW-2, Revision 13). Data were reviewed for usability according to the following criteria:

- \* - Holding Times
- \* - Calibration Verification
  - CRDL Standard
- \* - Laboratory Control Sample
  - Serial Dilution
- \* - Calibration Blanks
  - Field Blank
- \* - Preparation Blanks
- \* - Matrix Spike
  - Duplicate Analyses
- \* - ICP Interference Check Sample
- \* - Detection Limit Results
- \* - Linear Range
- \* - Sample Results

\* - Indicates that all criteria were met for this parameter.

**Data Validation Summary**

The problem with the arsenic matrix duplicate should be noted. This is described in detail below.

A serial dilution and CRDL standards were not analyzed.

No other problems were detected that would affect the use of the data.



**Holding Times**

All samples were analyzed within the required holding times.

**Initial and Continuing Calibrations**

No problems were found with any of the initial or continuing calibrations.

**Preparation Blank**

No compounds were detected in the one preparation blank associated with the digestions of these samples at concentrations above the CRDL. Several analytes were found in the preparation blank at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table.

**Calibration Blanks**

Several analytes were found in the continuing calibration blanks at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table and do not affect the end use of the data.

**Field Blank**

A field blank was not collected with this sample delivery group.

**ICP Interference Check Sample**

All of the ICP interference check standard recoveries were within the required limits.

**Matrix Spike Recovery**

Sample 10233 / OW-PA15-(11-13') was used as the matrix spike.

All recoveries were within the 75% - 125% quality control limits used for the validation.

**Duplicate Analysis**

Sample 10233 / OW-PA15-(11-13') was used as the matrix duplicate .

All percent differences were less than the 20% quality control limit used for the validation with the one exception of arsenic (41%).

The arsenic data were flagged with the "J" qualifier and are estimated values

**Laboratory Control Sample**

No problems were detected with the recoveries of the LCS standards.

### **Serial Dilutions**

A serial dilution was not analyzed.

### **Instrument Detection Limit**

No problems were found with the instrument detection limits.

### **ICP Linear Ranges**

No problems were detected with the linear ranges.

### **Sample Results**

No problems were detected with any of the data.

# Appendix M – Fish and Wildlife Impact Analysis Decision Key

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| <b>Appendix 3C<br/>Fish and Wildlife Resources Impact Analysis Decision Key</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | If YES<br>Go to: | If NO<br>Go to: |
|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------|
| 1.                                                                              | Is the site or area of concern a discharge or spill event?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Yes <b>13</b>    | 2               |
| 2.                                                                              | Is the site or area of concern a point source of contamination to the groundwater which will be prevented from discharging to surface water? Soil contamination is not widespread, or if widespread, is confined under buildings and paved areas.                                                                                                                                                                                                                                                                                                                                                                                                          | 13               | 3               |
| 3.                                                                              | Is the site and all adjacent property a developed area with buildings, paved surfaces and little or no vegetation?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4                | 9               |
| 4.                                                                              | Does the site contain habitat of an endangered, threatened or special concern species?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Section 3.10.1   | 5               |
| 5.                                                                              | Has the contamination gone off-site?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6                | 14              |
| 6.                                                                              | Is there any discharge or erosion of contamination to surface water or the potential for discharge or erosion of contamination?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 7                | 14              |
| 7.                                                                              | Are the site contaminants PCBs, pesticides or other persistent, bioaccumulable substances?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Section 3.10.1   | 8               |
| 8.                                                                              | Does contamination exist at concentrations that could exceed ecological impact SCGs or be toxic to aquatic life if discharged to surface water?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Section 3.10.1   | 14              |
| 9.                                                                              | Does the site or any adjacent or downgradient property contain any of the following resources?<br>i. Any endangered, threatened or special concern species or rare plants or their habitat<br>ii. Any DEC designated significant habitats or rare NYS Ecological Communities<br>iii. Tidal or freshwater wetlands<br>iv. Stream, creek or river<br>v. Pond, lake, lagoon<br>vi. Drainage ditch or channel<br>vii. Other surface water feature<br>viii. Other marine or freshwater habitat<br>ix. Forest<br>x. Grassland or grassy field<br>xi. Parkland or woodland<br>xii. Shrubby area<br>xiii. Urban wildlife habitat<br>xiv. Other terrestrial habitat | 11               | 10              |
| 10.                                                                             | Is the lack of resources due to the contamination?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3.10.1           | 14              |
| 11.                                                                             | Is the contamination a localized source which has not migrated and will not migrate from the source to impact any on-site or off-site resources?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 14               | 12              |
| 12.                                                                             | Does the site have widespread surface soil contamination that is not confined under and around buildings or paved areas?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Section 3.10.1   | 12              |
| 13.                                                                             | Does the contamination at the site or area of concern have the potential to migrate to, erode into or otherwise impact any on-site or off-site habitat of endangered, threatened or special concern species or other fish and wildlife resource? (See #9 for list of potential resources. Contact DEC for information regarding endangered species.)                                                                                                                                                                                                                                                                                                       | Section 3.10.1   | <b>14</b><br>No |
| 14.                                                                             | No Fish and Wildlife Resources Impact Analysis needed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |                 |

Environmental Restoration Program  
Orchard-Whitney Site (#E828123)  
415 Orchard Street  
City of Rochester  
Monroe County, New York

## Interim Remedial Measures Construction Completion Report

Prepared For:



City of Rochester  
City Hall, Room 300B  
30 Church Street  
Rochester, NY 14614

Prepared By:



175 Sully's Trail, Suite 202  
Pittsford, New York 14534

*I, Robert Hutteman, P.E., certify that I am currently a NYS registered professional engineer and that this Final Engineering Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).*

**November 2015**

## CERTIFICATIONS

I, Robert Hutteman, am currently a registered professional engineer licensed by the State of New York, I had primary direct responsibility for implementation of the remedial program activities, and I certify that the Supplemental Site Investigation Work Plan and the prior Remedial Investigation and Interim Remedial Measures Work Plan were implemented and that all construction activities were completed in substantial conformance with the Department-approved Supplemental Site Investigation Work Plan.

I certify that the data submitted to the Department with this Interim Remedial Measures Construction Completion Report demonstrates that the remediation requirements set forth in the Supplemental Site Investigation Work Plan and prior Remedial Investigation and Interim Remedial Measures Work Plan and in all applicable statutes and regulations have been or will be achieved in accordance with the time frames, if any, established in for the remedy.

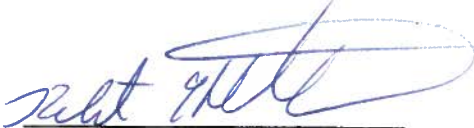
I certify that all use restrictions, Institutional Controls, Engineering Controls, and/or any operation and maintenance requirements applicable to the Site are contained in an environmental easement created and recorded pursuant ECL 71-3605 and that all affected local governments, as defined in ECL 71-3603, have been notified that such easement has been recorded.

I certify that a Site Management Plan has been submitted for the continual and proper operation, maintenance, and monitoring of all Engineering Controls employed at the Site, including the proper maintenance of all remaining monitoring wells, and that such plan has been approved by Department.

I certify that all documents generated in support of this report have been submitted in accordance with the DER's electronic submission protocols and have been accepted by the Department.

I certify that all data generated in support of this report have been submitted in accordance with the Department's electronic data deliverable and have been accepted by the Department.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Robert Hutteman, of Lu Engineers, am certifying as Owner's Designated Site Representative for the site.

|                             |                 |                                                                                              |
|-----------------------------|-----------------|----------------------------------------------------------------------------------------------|
| <u>07206</u>                | <u>12-16-16</u> | <u></u> |
| NYS Professional Engineer # | Date            | Signature                                                                                    |

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## 1.0 Introduction

Lu Engineers has prepared this combined Interim Remedial Measures (IRM) Construction Completion Report (CCR) on behalf of the City of Rochester for the Orchard-Whitney Brownfield Site (the 'Site') located at 415 Orchard Street. This combined summary report was prepared for submission to the New York State Department of Environmental Conservation (NYSDEC) to present a complete summary of recent Supplemental Site Investigation findings and subsequent Interim Remedial Measures (IRM) conducted at the Site in July, August, and October 2015. Investigative activities and remedial actions were conducted at the Site as outlined in the approved *Supplemental Site Investigation Work Plan*, dated June 2015 and subsequent *Interim Remedial Measures Update*, dated September 2015.

This combined report serves as an addendum to the previous Site Investigation and IRMs implemented and documented in the NYSDEC approved *Site Investigation/ Remedial Alternatives Report (January 2014)*. Previous additional IRMs were performed in accordance with the *Remedial Investigation and Interim Remedial Measures Work Plan (April 2011)* and included:

- Detailed evaluation of tunnels and underground utilities;
- Partial excavation of USTs to evaluate subsurface conditions;
- Excavation of twenty-three (23) test pits (TP-19 through TP-39 and TP-7A through TP-7E);
- High resolution test boring program within the former plating area;
- Installation and sampling of sixteen (16) mini-wells, including three nested pairs, within former plating area;
- Installation of three (3) monitoring wells (MW-23 through MW-25);
- Pre-demolition Phase investigation;
  - PCB assessment;
  - Hazardous materials inventory and characterization;
  - Limited lead survey;
  - Pre-demolition asbestos survey of 354 Whitney Street and 415 Orchard Street;
  - Demolition inspection;
- Post-demolition Phase Site-wide investigation (2008-2009);
  - Test pits;
  - Background soil borings;
  - Site-wide soil borings and sampling;
  - Monitoring well installation and subsequent groundwater sampling;
  - Aquifer testing;
  - Surface soil sampling;
- AOC investigation and IRMs (2011-2012);
  - UST investigation;

- Plating area investigation;
- Abandoned Hydraulic Lift
- Former Gasoline Storage and Dispenser
- Drain System Evaluation
- Underground Tunnels and Buried Utility Evaluation
- Former “Low-Rise” Sub-Slab Investigation
- Former Coal Storage; and
- Additional groundwater sampling.

The project was funded by a New York State Environmental Restoration Program awarded to the City of Rochester (the ‘City’) for remediation of petroleum and other hazardous materials at the Orchard-Whitney Site.

A Pre-Demolition Design Investigation, as requested by the NYSDEC, was completed in January 2012 in order to locate and characterize hazardous or contaminated materials that required removal prior to, or concurrently with, demolition. The pre-demolition investigation included a PCB assessment, full hazardous materials inventory, a limited lead inspection, and a pre-demolition survey of 415 Orchard Street. Asbestos abatement activities for the 415 Orchard Street property were conducted between June 30, 2014 and October 25, 2014. Demolition of the 415 Orchard Street building commenced in May 2014 and concluded in June 2015.

In July 2015, Lu Engineers began implementing a Supplemental Site Investigation (SSI) to assist the City with additional Site investigative activities at 415 Orchard Street in accordance with the SSI Work Plan approved by the NYSDEC on July 8, 2015. The purpose of the SSI was to delineate the nature and extent of contamination beneath, and in the immediate vicinity of, the footprint of the former 415 Orchard Street building.

The SSI was also intended to allow development of a Supplemental IRM Work Plan and a Limited Supplemental Site Investigation/Remedial Alternatives Analysis which was used to select a remedy for the area within the former 415 Orchard Street building footprint. Remedial Alternatives outlined in the August 27, 2015 letter to the NYSDEC included (1) abating the asbestos-containing material within the located pipe chase in accordance with appropriate Federal, State, and local variance, guidelines and protocols; (2) excavating the area of petroleum-impacted soils found to be in exceedance of Commercial Use SCOs; (3) soils were field screening during excavation so that soils exhibiting elevated PID readings were segregated for appropriate disposal measures in accordance with applicable requirements. Remedial efforts were completed as IRMs and are described in further detail in this report. IRMs were implemented during October, November, and December 2015.

The previously approved Quality Assurance Project Plan (QAPP), Health and Safety Plan (HASP), Community Air Monitoring Plan (CAMP) and Community Participation Plan (CPP), from the original July 2006 Remedial Investigation (RI) Work Plan and subsequent September 2007 Interim Remedial Measures (IRM) Work Plan, were updated and used for the project-specific purposes of the SSI and most recent IRM work.

The Scope of Work for the IRMs detailed in this report included:

- Abatement of an unknown quantity of asbestos containing materials (ACM) from the previously undocumented utility pipe trench depicted on the attached figures prior to accessing petroleum-contaminated soils.
- Excavation and off-Site disposal of an approximate total of 690 tons petroleum-impacted subsurface soils;
- Placement of existing on-Site clean cover materials across portions of the Site;
- Removal and disposal of trash, woody vegetation, and wood debris.

Section 2.0 provides a detailed description of SSI related activities and Section 4.0 provides details relating to IRM activities conducted as part of this project.

### **1.1 Site Description**

The Orchard-Whitney Site is a 3.9-acre site consisting of two parcels: 415 Orchard Street and 354 Whitney Street, in the City of Rochester (Figures 1 and 2). The Site lies within the City's LYLAKS (Lyell-Lake-State Street Corridor) Brownfield Opportunity Area (BOA) that includes mixed residential and commercial/industrial uses.

The Site is currently a fenced vacant lot covered mainly with concrete slabs and debris piles. Demolition of all structures on the 354 Whitney Street parcel was completed in 2008. Demolition of the 415 Orchard Street building was completed in 2015. Crushed masonry, brick, concrete and stone building materials generated during the demolition process are staged throughout the parcel.

Currently the Site is vacant and void of any buildings or structures with the exception of several large piles of crushed demolition debris and the remaining wall along the southern property line of 415 Orchard Street. The existing, staged, crushed demolition debris piles will be used during the Final Site Grading Plan as Site cover material as well as to create a properly sloped berm against the remaining 415 Orchard Street wall structure.

The Site is bordered by Orchard Street to the east, a former railroad right-of-way to the south, Whitney Street to the west, and commercial buildings with frontage on Lyell Avenue, to the north.

## 1.2 Site History

According to previous environmental reports for the Site, the area was originally developed with residential housing in the mid 1800's. Railroad spurs were extended through the southern adjacent properties circa 1875 and the tracks were used for coal and metal delivery and shipping as the Site and surrounding properties developed into manufacturing and industrial uses in the early 1900s. From 1915 to 1922, the North East Electric Company occupied the Site.

The Delco Appliance Division of General Motors occupied the Site from 1930 to 1967 and had several processes including the manufacture of electrical equipment, various metal finishing operations, coal storage, boiler operation, power generation, petroleum storage and industrial waste water treatment. The facility was expanded to its pre-demolition size and configuration by 1935. The plant closed in 1967 and the property continued to be used for metal finishing, synthetic foam production, printing, plastics manufacturing, electronic manufacturing, and warehousing until 1990 when the Site was abandoned.

After the cessation of commercial use of the Site in 1990, Site conditions declined steadily and in 2003, a large section of the structures on the Whitney Street parcel were heavily damaged during an arson fire. The City partially demolished the structure in 2005 to reduce the risk of collapse and to eliminate other hazardous conditions at the Site. The City had previously offered the parcels at tax delinquent auctions; however, no viable developers had shown interest. Therefore City had acquired ownership of the Orchard and Whitney parcels through tax foreclosure proceedings in 2000 and 2005 respectively.

The City has completed a number of Site Investigation (SI) and Interim Remedial Measures (IRMs) work, along with City of Rochester personnel, from 2006 through 2014, as detailed in the *Site Investigation/ Remedial Alternatives Report (January 2014)* and summarized in Section 1.3 below.

## 1.3 Previous Site Investigations

The Site has undergone a series of environmental investigations since the late 1990's in order to assess Recognized Environmental Concerns (RECs) at the Site. These investigations include:

- Draft Center City Industrial Park Facility Assessment: *The Flint, Allen, White & Radley Draft Center City Industrial Park Facility Assessment (1999)*;
- USEPA Hazardous Substance Removal Action (1999);

- *Phase I Environmental Site Assessment (ESA): 354 Whitney Street and 367, 370, 406, and 415 Orchard Streets, Day Environmental, Inc.* (December 2000);
- Pre-Demolition Asbestos Inspection of 354 Whitney Street Bldg 2/2A/ Brick Mill, *ENSR International* (August 2003);
- Demolition of the western portions of the 354 Whitney Street buildings (2003);
- 354 Whitney Street building demolition (2005);
- *Orchard-Whitney Targeted Site Assessment Report*, NYSDEC Region 8, (December 2006);
- The NYSDEC Targeted Site Assessment, Fall of 2005 to evaluate the Site for potential registry as an Inactive Hazardous Waste Disposal Site (IHWDS). *NYSDEC Investigation* (2005);
- Post-demolition Site-wide investigation completed by Lu Engineers, 2008-2009 as outlined in the *Remedial Investigation Work Plan* (August 2006);
- *Pre-demolition Investigation for 354 Whitney Street* (February 2007);
- Area of Concern (AOC) investigation and IRMs by Lu Engineers, 2011-2012 as described in the *Remedial Investigation and Interim Remedial Measures Work Plan* (April 2011); and
- *Pre-Demolition Investigation for 415 Orchard Street* (January 2012).

#### **1.4 Contemplated Use**

The Site is currently undeveloped and zoned for commercial and light industrial use. The City is at present requesting proposals for future use planning and development designs for the Site, consistent with current commercial or industrial zoning.

Due to potential exposure hazards to human health and the environment, subsurface soil and groundwater contamination, as well as existing asbestos pipe wrap in the underground tunnels, will need to be addressed as part of the planning process associated with eventual re-use of the Site. If future Site redevelopment involves excavation or disturbance of impacted soils, contact with groundwater, and/or asbestos containing material disturbances, potential for human exposures and contaminant migration exists. Potential future exposures shall be addressed by the final Site remedy. Residual petroleum-based contaminant concentrations identified in groundwater are

expected to decrease over time due to the natural attenuation processes in the subsurface.

Groundwater flow is generally to the northeast, toward the Genesee River. There is no evidence to suggest that contaminated soil or groundwater has migrated off-site. The additional investigative and remedial components associated with the most recent phase of this project were conducted in July, August, and October 2015 and are described in detail within the following sections of this report.

## 2.0 Summary of Supplemental Site Investigation Findings

In July 2015, Lu Engineers implemented the scope of work outlined in the NYSDEC approved Supplemental Site Investigation Work Plan (SSIWP) dated May 2015 prepared for the City. The purpose of the SSIWP was to assist the City with additional Site investigative activities, specifically to delineate the nature and extent of contamination beneath, and in the vicinity of, the footprint of the former 415 Orchard Street building.

The scope of work included:

- Completion of sixteen (16) test pit excavations
- Installation of four (4) soil borings
- Subsurface soil sampling for EPA 8260 VOCs, EPA 6010 RCRA Metals, EPA 8082 PCBs, and NYSDOH 310.13 Total Petroleum Hydrocarbons (TPH)
- Installation of four (4) new 2-inch groundwater monitoring wells
- Groundwater sampling for EPA 8260 VOCs, EPA 6010 RCRA Metals , and EPA 8082 PCBs

Figure 2 illustrates the test pit excavations, soil borings, and existing and newly installed monitoring well locations as well as associated analytical result exceedances detected during the SSI. Figure 3 illustrates the photo ionization detector (PID) readings and associated depths for each reading.

### 2.1 SSI Test Pit Excavations

As part of the Supplemental Site Investigation conducted in July 2015 a total of sixteen (16) test pit excavations were advanced within and in the immediate vicinity of the footprint of the former 415 Orchard Street building in accordance with the approved SSIWP (TP-1 through TP-16, see Figure 2).

The objective of the test pits was to more completely delineate the nature and extent of contamination remaining at the Site and use the information to develop appropriate IRMs and if necessary, select suitable remediation technologies.

Test pit excavation activities commenced on July 13, 2015 and were completed on July 16, 2015. Subsurface samples were collected from each test pit location from the area of the pit exhibiting the highest concentration of contamination, if applicable. If no visible, olfactory, or PID indications of contamination were encountered, samples were collected from depths determined by the on-Site Lu Engineer's field professional in conjunction with the City. Analytical results for the test pit activities are tabulated on Tables 1 and 2. Figure 2 illustrates land-surveyed and GPS confirmed locations of each test pit and includes exceedances detected in the analytical data. Test pit logs included as Appendix B detail the test pit dimensions, total depth, soil description, PID reading

results, as well as any other pertinent findings recorded during the test pit excavation activities. PID readings and the depth at which they were recorded during test pit excavation activities are illustrated on Figure 3.

Groundwater infiltration was observed in three (3) of the test pits (TP-5, TP-6, and TP-9); the remaining test pits did not produce water during excavation activities. Groundwater within the three (3) test pits was noted to be free of observed sheen, odors, or discoloration.

During the initial excavation surrounding TP-10 a previously undocumented underground pipe chase was uncovered. The pipe chase was observed to contain several different diameter pipes oriented in a north to south direction. Groundwater was not observed within the pipe chase.

Lu Engineers asbestos professionals conducted an asbestos abatement survey of the pipe wrap material discovered in the pipe chase. Subsequent analytical results confirmed the presence of asbestos within the pipe chase and as a result an asbestos abatement specification was generated under the direction of the City. Lu Engineers was retained by the City to perform Project/Air Monitoring for the abatement portion of the project, as required by New York State Department of Labor (NYSDOL). Genesee Environmental, LLC commenced the asbestos abatement activities on September 21, 2015 and completed work on September 30, 2015. Lu Engineers completed subsequent clearance air sampling verifying that work areas were adequately cleaned and decontaminated prior to commencement of IRM activities. All related documentation has been provided under separate cover (December 2015).

Location of the utility pipe chase is illustrated on Figures 2 and 3.

## 2.2 Test Pit Analytical Sampling

The table below depicts the peak PID headspace readings detected during test pit excavation activities, as well as the PID readings and associated depths from which samples were collected from at each test pit location.

| Test Pit | PID Screen Interval (feet bgs) | Peak PID Headspace Reading (ppm) | Analytical Sample ID | Analytical Sample Depth and PID Reading (feet bgs: ppm) |
|----------|--------------------------------|----------------------------------|----------------------|---------------------------------------------------------|
| TP-1     | 0.0-6.0                        | 0.0                              | OW-TP-01-2015        | 4.0-6.0: 0.0                                            |
| TP-2     | 4.0-6.0                        | 0.7                              | OW-TP-02-2015        | 6.0-9.0: 0.0                                            |
| TP-3     | 0.0-1.0                        | 0.8                              | OW-TP-03-2015        | 8.0-10.0: 0.0                                           |
| TP-4     | 0.0-8.5                        | 0.0                              | OW-TP-04-2015        | 8.5: 0.0                                                |
| TP-5     | 0.0-10.0                       | 0.0                              | OW-TP-05-2015        | 10.0: 0.0                                               |



| Test Pit | PID Screen Interval (feet bgs) | Peak PID Headspace Reading (ppm) | Analytical Sample ID | Analytical Sample Depth and PID Reading (feet bgs: ppm) |
|----------|--------------------------------|----------------------------------|----------------------|---------------------------------------------------------|
| TP-6     | 2.0-4.0                        | 0.2                              | OW-TP-06-2015        | 12.0: 0.0                                               |
| TP-7     | 0.0-9.0                        | 0.0                              | OW-TP-07-2015        | 9.0: 0.0                                                |
| TP-8     | 2.0-4.0                        | 0.2                              | OW-TP-08-2015        | 9.0: 0.0                                                |
| TP-9     | 4.0                            | 5.3                              | OW-TP-09-2015        | 12.0: 0.0                                               |
| TP-10    | 6.0-8.0                        | 54.1                             | OW-TP-10-2015        | 7.5: 54.1                                               |
| TP-11    | 6.0-8.0                        | 22.1                             | OW-TP-11-2015        | 12.0: 0.0                                               |
| TP-12    | 8.5                            | 90.0                             | OW-TP-12-2015        | 8.5: 90.0                                               |
| TP-13    | 2.0                            | 215.0                            | OW-TP-13-2015        | 8-10: 12.5                                              |
| TP-14    | 2.0-4.0                        | 0.7                              | OW-TP-14-2015        | 12.0: 0.0                                               |
| TP-15    | 4.0-6.0                        | 37.9                             | OW-TP-15-2015        | 6.0-8.0: 24.4                                           |
| TP-16    | 6.0-8.0                        | 18.7                             | OW-TP-16-2015        | 6.0: 18.7                                               |

### 2.3 SSI Soil Boring, Monitoring Well Installation, Development, and Sampling

Soil boring and monitoring well installation activities commenced on July 20, 2015 and were completed on July 22, 2015 with a total of four (4) soil borings advanced and a total of four (4) new wells installed in the location of the soil borings. Soil boring logs and monitoring well construction diagrams are included as Appendix G and Appendix H, respectively.

Soil boring and subsequent monitoring well installations were completed by Nothnagle Drilling, Inc., a qualified and licensed drilling subcontractor. A Lu Engineers geologist supervised all well installation activities. Well borings were advanced in overburden using 4.25 ID hollow-stem augers and split spoon samples were field screened at each boring location. Newly installed wells were identified as MW-26 through MW-29.

Subsequent to installation, each monitoring well was developed in accordance with the approved SSIWP. Well development occurred on July 22 and July 23, 2015 for newly installed wells and selected existing wells located on Site. Well development logs are included as Appendix I.

All split-spoon samples were logged by a geologist and recorded for reference. Field screening measurements of VOCs from split-spoon soil samples were recorded using a MiniRAE 3000 PID meter. Since no elevated PID readings or indications of contamination were observed in any of the borings, representative soil samples were collected at varying depths as outlined in the table below.

**Depth of Soil Boring Sample Collected**

| <b>Well ID</b> | <b>Sample Collected Depth (feet bgs)</b> | <b>Total Installed Depth (feet bgs)</b> |
|----------------|------------------------------------------|-----------------------------------------|
| MW-26          | 9.5                                      | 12.1                                    |
| MW-27A         | 29                                       | 36.7                                    |
| MW-27B         | 31                                       | -                                       |
| MW-28          | 11                                       | 18.0                                    |
| MW-29          | 11                                       | 16.0                                    |

Borings were advanced to depths between 12.1 feet (MW-26) and 32.5 feet (MW-27) into bedrock using air rotary/air hammer techniques. Coring of bedrock was conducted with a NX Core barrel. All monitoring wells were constructed according to the following specifications.

- 10 feet of 2-inch Schedule 40 polyvinyl chloride (PVC) machine-slotted screen (0.010-inch slot) installed at the bottom of the boring, with 5' of screen advanced into bedrock (except MW-27, which was terminated at the bedrock surface).
- Two-inch ID Schedule 40 PVC solid riser casing was used to complete each well to grade.
- A sand filter pack composed of chemically inert, coarse-grained sand pack was placed from the bottom of the boring to 1 to 2 feet above the top of the screen interval.
- A 2-foot thick bentonite seal was placed above the sand pack, followed by Portland cement/5% bentonite grout mixture to the surface.
- Each well was completed with flush-mount protective steel casings set in concrete drainage pads. Flush-mounted completions were installed at all monitoring well locations and J-plugs were placed on each well upon completion.

Based on the results of previous investigations and observations made during the advancement of each boring, drill cuttings and water generated during drilling were temporarily containerized, however, did not require off-Site disposal and were subsequently returned to the subsurface during IRM activities. Investigation-derived wastes were not generated as part of the well installations.

Split-spoons were appropriately decontaminated prior to each use. Decontamination involved these three steps:

1. Removal of gross debris;
2. Washing with an Alconox solution; and
3. Rinse with clean water.

### **2.3.1 SSI Well Development**

After construction of new wells, new and selected existing wells (MW-16, MW-22, and MW-23) were developed using dedicated PVC bailers. Well development consisted of gentle surging followed by purging in order to draw fine sediments out of the sand pack and into the well for removal. Development continued until each well purged dry multiple times. Turbidity readings of the development water did not achieve 50 nephelometric turbidity units (NTU) in several wells, however, was achieved in MW-23, MW-26, and MW-29. Turbidity readings and development observations were recorded on Well Development Logs, included in Appendix I. Well development was conducted on July 23, 2015.

Development water from all four (4) newly installed wells was containerized and sampled for characterization. Analytical results revealed no evidence of contamination; therefore water was then discharged to the ground surface post IRM work, allowing for surface infiltration.

### **2.3.2 SSI Groundwater Sampling**

Newly installed and existing monitoring wells were sampled via bailer in two different sampling events. On July 24, 2015 groundwater was collected from new and existing monitoring wells and analyzed for EPA Method 8260 VOCs. Analytical results are tabulated and included as Table 6. On July 26, 2014 groundwater was collected from newly installed and existing monitoring wells and analyzed for EPA Method 6010 RCRA Metals and EPA Method 8082 PCBs. Analytical results are tabulated and included as Table 5. Figure 2 illustrates the exact location of each newly installed monitoring well and detected exceedances in soil and groundwater for new monitoring wells sampled and only groundwater exceedances for existing monitoring wells sampled. Analytical results for soil boring samples are shown on Tables 3 and 4 of this report. Complete analytical reports are included in Appendix C.

Prior to sampling, the water level at each well was measured using an electronic water level indicator, with reference to the casing elevation and recorded on Groundwater Sampling Field Records included as Appendix J.

PVC bailer purging and sampling methods were utilized to obtain representative groundwater samples. Prior to sample collection, the following parameters were measured in the field during sample collection using field testing equipment:

- Dissolved oxygen
- Oxidation/reduction potential
- pH
- Conductivity
- Temperature

- Turbidity

No sheen or unusual odors were observed during purging or sampling. Purge water generated during sampling activities was not containerized since there were no indications of contamination observed in overburden soils, bedrock or purge water.

Well casing elevations were surveyed and established using survey-grade GPS to NAD 83 coordinates on August 14, 2015. Figure 5 illustrates the estimated groundwater flow direction across the Site based on groundwater elevation data collected during sampling. It appears groundwater primarily flowed to the north east across the Site. Subsequent data obtained in November, 2015 suggests a south eastward migration vector, primarily due to the unusually low groundwater elevation observed in MW-25.

## **3.0 Supplemental Site Investigation Analytical Results**

### **3.1 SSI Sample Results**

SSI samples collected were relinquished for analysis to Paradigm Environmental Services, Inc. (Paradigm), in Rochester, New York. Paradigm is an appropriately accredited analytical laboratory, including NYSDOH Environmental Laboratory Approval Program (ELAP) certification. All sample reporting, with the exception of waste characterization samples, was completed with ASP Category B deliverables.

#### **3.1.1 Test Pit Results**

Elevated levels of petroleum contaminated soils exceeding NYSDEC Part 375 Commercial Standards were identified in two test pit excavations. Analytical results for OW-TP-10-2015 indicated an exceedance above Unrestricted Use SCOs for heavy weight petroleum hydrocarbon (PHC) as lube oil and exceedances above Commercial Use SCOs for medium weight PHC as diesel and mineral oil. Analytical results for OW-TP-12-2015 indicated exceedances above Commercial Use SCOs for medium weight PHC as diesel and mineral oil. Please refer to the enclosed Table 2 for further detail and complete tabulated analytical results. In addition, nuisance level odors were observed during SSI activities at varying depths of the area delineated in Figures 2 and 3.

#### **3.1.2 Groundwater Results**

As discussed in Section 2.3.2, groundwater was analyzed for VOCs by EPA Method 8260, RCRA Metals by EPA Method 6010, and PCBs by EPA Method 8082. Groundwater analytical results did not indicate exceedances above NYS Groundwater Class GA Standard for VOCs, however, several well locations did exhibit exceedances for RCRA metals. Metals were encountered in all of the monitoring wells with the exception of MW-23. Comprehensive analytical results are tabulated on Tables 5 and 6 and complete analytical reports are included in Appendix C.

#### **3.1.3 Soil Boring Results**

Soil boring sample analytical results collected during the SSI are presented in Tables 3 and 4. All boring samples collected indicated exceedances above Unrestricted Use SCOs for chromium, however, these detections were beneath Commercial Use SCOs. Acetone was detected in three (3) of the five (5) soil boring samples at levels exceeding Unrestricted Use, but below Commercial Use SCOs. Copies of all laboratory analytical data are included in Appendix C of this report. Soil boring sample locations are illustrated on Figures 2 and 3.

## **4.0 Interim Remedial Measures**

The remedial tasks consisted of asbestos abatement from the utility trench, removal of petroleum-contaminated soil for off-Site disposal at an appropriately permitted disposal facility, and placement of clean Site cover. All confirmatory analytical testing was completed by Paradigm laboratory.

### **4.1 Governing Documents**

Previously approved Quality Assurance Project Plan (QAPP), Health and Safety Plan (HASP), Community Air Monitoring Plan (CAMP) and Community Participation Plan (CPP), from the original July 2006 Remedial Investigation (RI) Work Plan and subsequent September 2007 Interim Remedial Measures (IRM) Work Plan, were updated for the project-specific purposes of the 2015 SSI and IRM work and are included in the appendices.

#### **4.1.1 Site Specific Health and Safety Plan (HASP)**

A Site-Specific Health and Safety Plan (HASP) was prepared and approved for the July 2006 Remedial Investigation and subsequent September 2007 IRM Work Plan, and was modified accordingly for the additional IRM work in accordance with applicable general industry and construction standards of the Federal Occupational Safety and Health Administration (OSHA), U.S. Department of Labor, as well as any other Federal, State or local applicable statutes or regulations. A copy of the modified HASP is included as Appendix L.

All remedial work performed under the SSI and IRM Work Plan was in full compliance with governmental requirements, including Site and worker safety requirements mandated by Federal OSHA.

The Site Specific Health and Safety Plan (HASP) were complied with for all remedial and invasive work performed at the Site.

Monitoring of the work area and screening of soil and groundwater was conducted with a MiniRAE 3000 PID throughout the duration of field activities to assure the safety of on-Site workers.

#### **4.1.2 Quality Assurance Project Plan (QAPP)**

All monitoring and sampling activities were completed in accordance with the NYSDEC approved Quality Assurance Project Plan (QAPP). All quality assurance/quality control procedures were adhered to during this project. The QAPP was included as Appendix A of the SSIWP approved by the NYSDEC. The

QAPP describes the specific policies, objectives, organization, functional activities and quality assurance/quality control activities designed to achieve the project data quality objectives. A copy of the modified QAPP is included as Appendix M.

Samples were obtained, handled and characterized in accordance with the most recent NYSDEC Analytical Services Protocol (ASP) methods. Once obtained, samples were immediately labeled and stored on ice in a cooler. Analytical work was performed by an appropriately qualified ELAP accredited laboratory. All chain of custody requirements were strictly adhered to for designated analyses.

#### **4.1.3 Community Air Monitoring Plan (CAMP)**

A written Community Air Monitoring Plan (CAMP) was prepared in accordance with the requirements of the Environmental Bond Act. This Plan was followed during all Site activities. The CAMP for the SSI Site work is included as Appendix C of the SSIWP and as Appendix N of this report.

Professional personnel entering the Site maintain current OSHA “HAZWOPER” Certifications.

#### **4.2 Site Preparation and Control**

All IRM soil removal work was performed by TREC Environmental, Inc. The remedial activities were observed by appropriately qualified Lu Engineers staff. TREC Environmental was responsible for coordinating a utility stakeout for identification and clearance of Site utilities prior to commencement of work. Op-Tech Environmental Services, Inc. completed the Site re-grading and related IRM effort under Lu Engineers and City oversight.

##### Permits

Permits were not required prior to start of work. No road closures were necessary during the project.

##### Site Security

The Site has been secured with chain-link fencing along the east and west ends of the property for the duration of the work activities. Access to the Site was limited to appropriately trained staff, workers, and pertinent agencies involved with the project only. The public was not permitted to enter the Site or work areas.

##### Traffic Control and Truck Routes

During the petroleum-impacted soil removal, trucks entered and exited the Site from the gated entrance off of Orchard Street, on the east boundary of the Site. Queuing of

trucks was performed on-Site in order to minimize off-Site disturbances. Egress points on Orchard Street for truck and equipment transport from the Site were kept clean of dirt and other materials during Site remediation.

#### On-Site Cover

Clean crushed rubble, derived from the demolition of the former 415 Orchard Street building, was used as on-Site backfill cover material within the IRM removal excavation area. Figure 4 illustrates the actual IRM removal excavation area. Crushed rubble material will also be used for Site cover as part of the Final Site Grading Plan discussed in Section 7.

### **4.3 Asbestos Abatement**

As part of the excavation IRM, asbestos containing materials (ACM) located in the underground utility trench required abatement prior to accessing the underlying petroleum-contaminated soils. Lu Engineers worked with the New York State Department of Labor (NYS DOL) to secure a variance request for relief from certain provisions of Industrial Code Rule 56. As indicated, the variance was required due to the uncertain nature and extent of the utility trench and facilitates safe and fully compliant abatement with certain procedural adjustments. Abatement began on September 21, 2015 and concluded, including inspection and air sampling activities, by October 2, 2015. A Project Monitoring for Environmental Abatement Report was submitted to the City under separate cover in November 2015.

### **4.4 IRM Soil Removal and Disposal**

Concrete hammering and excavation activities were performed by TREC Environmental. Hauling and disposal was performed by M.J.Dreher Trucking Inc., a certified Women Business Enterprise (WBE). All trucks hauling contaminated media were appropriately permitted with valid NYSDEC Part 364 waste hauler permits. All soil disposed from the Site was non-hazardous. Soil removed from the petroleum-impacted area of the Site was live-loaded into dump trucks and transported off-Site for disposal at High Acres Landfill.

Following soil removal at each location, Lu Engineers measured the location of the limits of each removal area and logged the location of each confirmatory sample location. The extent of the excavation was mapped using survey-grade GPS.

#### **4.4.1 Concrete Slab and Subsurface Structure Removal**

Prior to subsurface soil removal, TREC Environmental, Inc. mobilized an excavator equipped with an impact hammer to break through the existing concrete slab as well as any break up any concrete walls, support pillars, or



subsurface concrete structures that were encountered during the SSI work. Concrete flooring and foundations were removed to the extent necessary to allow access to petroleum contaminated soils beneath the building footprint and immediate vicinity.

Portions of the uncontaminated concrete located in the IRM areas were hammered and broken up, removed, and staged to be re-used as clean back fill once petroleum-impacted soils were removed.

During excavation activities the total quantity of subsurface concrete encountered became much greater than originally anticipated. Sheet piling, with diameter exceeding four feet and densely integrated rebar, was encountered in two (2) areas. Large volumes of concrete walls, subsurface concrete floors and support pillars laden with rebar were also encountered during excavation and soil removal activities.

#### **4.4.2 Petroleum-Impacted Soil Removal and Disposal**

SSI analytical results indicated elevated petroleum-related contamination in the soils exceeding Commercial Use SCOs in two test pit excavations. Test pit TP-10, located in the northwest portion of the former 415 Orchard Street building footprint, indicated exceedances for heavy weight PHC as lube oil and medium weight PHC as diesel and mineral oil. This test pit location is immediately to the east of the utility pipe chase, which lies directly east of the former tank farm location and remaining flowable fill from previous tank removal activities.

Soil was removed up to the eastern most perimeter and, to the extent possible, beneath the layer of flowable fill which had been placed in the adjacent former tank pit during the 2013 IRMs. Petroleum impacted materials adhering to subsurface concrete structures were scoured to the extent possible by excavator bucket. This methodology removed the majority of residual contamination on or beneath the subsurface concrete. PID readings generally ranged from 34.1 to 189 ppm throughout the contaminated zone prior to contaminated soil removal.

Based on observations during the IRM excavation, contaminant migration was strongly influenced by the presence of large impermeable concrete foundation components. The distribution of heavily contaminated soils was commonly associated with the soils in contact with subsurface concrete within the vadose zone.

During SSI activities, analytical results for test pit TP-12 revealed exceedances above Commercial Standards for medium weight PHC as diesel and mineral oil.

Additionally, nuisance level odors were observed during investigative activities at varying depths as indicated in the PID readings table in Section 2.2.

The selected remedial measure to address areas of remaining petroleum contamination was to excavate the area of soils found to be in exceedance of Commercial Use SCOs. The proposed area of removal was illustrated in Figure 2. Figure 4 illustrates the actual excavation limits and confirmatory sample locations and results.

Groundwater entered the excavation in the area beneath the former utility pipe chase in the north western portion of the excavation, however, no sheen, odor or free product was observed on the water surface. Prior to soil removal, sampling and backfilling, an 18,000-gallon frac tank was mobilized to the Site. The excavation was subsequently dewatered by means of submersible pump placed in the excavation which pumped water into the staged frac tank. A total of approximately 5,000-gallons of water was removed and staged on-Site for characterization prior to release to the Site to allow surface infiltration in the area of the IRM backfill, in accordance with NYSDEC's requirements per the November 3, 2015 meeting. Frac tank analytical results are discussed in Section 5.0. A complete analytical report is included in Appendix C.

Soils in the delineated removal area were continuously field screened by PID so that the soils which exceeded 25 ppm were live-loaded into Part 360 permitted trucks for off-Site disposal at High Acres Landfill. Total estimated removal quantity post completion of the Supplemental Site Investigation was calculated to be approximately 1,500 cubic yards (1,823 tons). Due to the large amount of non-impacted concrete encountered the actual combined total volume of petroleum-impacted soil removed for off-Site disposal was approximately 690 tons (568 cubic yards). Waste disposal documentation is included in Appendix E.

All trucks were tarped and decontaminated as necessary prior to transporting soil off-Site. No off-Site tracking of contaminated soil occurred as loaded trucks left the Site.

IRM confirmatory analytical results are discussed in Section 5.0.

#### **4.5 Backfilling and Placement of Cover Material**

Once impacted soils had been excavated and confirmatory sampling was completed, the excavations were backfilled with removed and crushed concrete, existing on-Site crushed concrete rubble, and soil removed from the excavation field screened to be clean. No imported backfill material was required during the backfilling activities.

A minimum of one (1) foot of clean cover material consisting of on-Site crushed clean fill was placed throughout the Site, compacted with the excavator in two (2) foot lifts. Any subsurface metal not readily accessible for removal was trimmed and left in the excavation. The purpose of the cover material was to fill in existing void spaces throughout the Site due to the existing underground tunnels and vaults. One area of exposed tunnel void space has been covered with a steel plate bolted to the concrete pad. This cover will allow classification of the Site as meeting commercial re-use requirements set forth in 6 NYCRR Part 375. Additional Site grading was addressed during the Final Site Grading activities.

#### **4.6 Dust and Vapor Monitoring and Mitigation Procedures**

Fugitive dust migration was continuously visually assessed during all work activities. Air monitoring for particulate matter was performed continuously at locations upwind and downwind of the work zone when ground intrusive work was being conducted in known areas of contamination, as specified in the RI and SSIWP Community Air Monitoring Plan (CAMP).

Work zone air monitoring was conducted during petroleum-contaminated soil removal and handling activities using a MiniRAE 3000 PID to ensure that workers were not exposed to elevated concentrations of VOCs. Air monitoring was conducted in accordance with the RI and SSIWP HASP. No exceedances of HASP action levels were observed during the course of the project. CAMP air monitoring data is provided in Appendix F.

#### **4.7 Decontamination Procedures**

Decontamination was performed in accordance with NYSDEC-approved procedures. Sampling methods and equipment were selected to minimize decontamination requirements and prevent the possibility of cross-contamination and ensure compliance with the RI and SSIWP QAPP.

Prior to exiting the Site, transport vehicles were brushed cleaned if deemed necessary. Construction of a decontamination pad was not deemed necessary since efforts were made to unload, use and load transport equipment in a manner that prevents contact of the vehicles with impacted materials. Adherence to these procedures helped to ensure that decontamination was not necessary.

To further eliminate the tracking of contaminated soils, drivers followed a designated truck route through the center of the Site on a temporary gravel road to contain traffic within a limited area.

#### **4.8 Site Survey**

A survey of the Site was performed by Lu Engineers and Land Surveying Services, a NYS Licensed Surveyor in October 2015 to identify excavation limit boundaries and encountered subsurface Site features, such as concrete walls, sheet piling, and concrete subfloor slabs. A base map of the Site was produced using the NAD 83 UTM Zone 18 (NYTM) coordinate system, and is included as Appendix A of this report. An updated metes and bounds description for the Site is also included in Appendix A.

## 5.0 IRM Confirmatory Sample Results

### 5.1 IRM Confirmatory Sample Results

IRM confirmatory samples collected were relinquished for analysis to Paradigm Laboratory. All sample reporting, with the exception of waste characterization samples, was completed with ASP Category B deliverables. IRM confirmatory sample locations are illustrated on Figure 4.

#### 5.1.1 IRM Soil Results

Confirmatory soil sampling in the source removal area was conducted per the protocols outlined in NYSDEC DER-10 for standard excavation sampling. Based on the dimensions of the excavation, a total of four (4) sidewall and four (4) floor samples were collected as illustrated on Figure 4. It is noted that several areas of the excavation were not accessible to sidewall sampling due to existing concrete walls, specifically in the area near the former tank farm and flowable fill as well as the south east wall. Several of the encountered subsurface concrete walls, pillars, and sheet piling were scraped clean with the excavator bucket then left in place during backfilling activities. Prior to backfilling accessible, remaining concrete structures were surveyed by Lu Engineers.

Confirmatory soil samples were analyzed for VOC by EPA Method 8260 and RCRA Metals by EPA Method 6010, and included the following IDs:

| Sample ID        | Sample Type                 | Sample Location                                                             |
|------------------|-----------------------------|-----------------------------------------------------------------------------|
| OW-BOT-01-101215 | Excavation floor sample.    | North west area of excavation near north east corner of utility pipe chase. |
| OW-SW-01-101315  | Excavation sidewall sample. | North east edge of excavation. Center of TP-16.                             |
| OW-BOT-02-101315 | Excavation floor sample.    | Center north east area of excavation. West end of TP-15.                    |
| OW-SW-02-101315  | Excavation sidewall sample. | Eastern edge of excavation. South east corner of TP-12.                     |
| OW-SW-03-101315  | Excavation sidewall sample. | South east edge of excavation.                                              |
| OW-BOT-03-101415 | Excavation floor sample.    | Center of western portion of excavation.                                    |
| OW-SW-04-101415  | Excavation sidewall sample. | South end of excavation. South of TP-11.                                    |
| OW-BOT-04-101415 | Excavation floor sample.    | South end of excavation.                                                    |

PID readings observed on the samples during confirmatory sample collection ranged from 0 ppm to 5 ppm.

Confirmatory analytical results indicated no exceedances for VOCs at any of the confirmatory sample locations and exceedances above Unrestricted Use SCOs for chromium in all sample locations. These chromium exceedances, however, are below Commercial and Industrial Use SCOs. Two (2) sample locations (OW-BOT-03-101415 and OW-BOT-04-101515) did indicate exceedances above Unrestricted standards for Cadmium; however, these results were beneath Commercial and Industrial Standards. Complete confirmatory results are tabulated on Tables 8 and 9. Complete analytical reports are included in Appendix C.

### **5.1.2 Frac Tank Water Results**

Confirmatory samples were collected for the frac tank water and analyzed for volatile organics and methyl tertiary butyl ether (MTBE) by EPA 602, semi-volatile organics (PAHs) by EPA 625, RCRA metals by EPA 610 and were compared to NYSDEC Groundwater Quality Standards for Surface Water and Groundwater, NYSDEC Groundwater Effluent Limitations for Discharges to Class GA Waters, and the Sewer Use Law of Monroe County, Daily Maximum Limit.

Analytical results for the frac tank water indicated no exceedances above any of the three (3) compared standards, therefore, with NYSDEC approval the water was discharged to the ground surface in the source removal area.

## 6.0 Contamination Remaining at the Site

Access to the most heavily contaminated soils identified during the SSI and IRM process was not substantially restricted by the presence of massive concrete foundation components. The foundations appeared to rest directly on bedrock indicating that the overburden/bedrock interface migration pathway does not exist in these locations. Small areas of low-level contaminated soils not accessible due to excavation collapse or other factors during IRM implementation are considered likely to biodegrade over time. The source area(s) for petroleum contamination at this Site have been removed to the extent possible. Based on confirmatory soil sample data, however, the excavation of the source area has been successful in removing accessible petroleum-impacted soils.

Previous investigations have shown that elemental lead exists in the concrete slab on-Site. Lead was commonly used to seal cracks and penetrations in floor slabs in industrial plants in the past. Small nodes of lead have been observed in the remaining slabs at the Site in a number of locations. Prior attempts to quantify the amount of lead remaining in the slabs have been complicated by the presence of varying amounts of dust and debris at the surface. Since large portions of the slab will remain, elemental lead will remain on-Site and as a result will be addressed in the SMP, as necessary.

Remaining asbestos pipe wrap in the existing underground tunnel system presents an existing condition and potential for exposure during future subsurface disturbances or activities. The presence of asbestos in the subsurface will be addressed in the SMP, as necessary.

The Site is currently being considered and the City is accepting proposals for commercial or light industrial development Site planning. As a result of the existing conditions, recommendations for future Site work include an updated Environmental Easement and a Site Management Plan (SMP) as part of the Site remedy. The SMP will provide a clear means of identifying areas of the Site with residual contamination that may require special handling and/or disposal. The SMP will also specify procedures to be followed if contaminated media is encountered during future Site use or redevelopment.

Overall groundwater flow appears to follow a general east, northeast flow direction. It is noted that MW-27 was omitted from the data used for groundwater contour map development due to its anomalously low elevation representative of deeper flow conditions than observed within the SI/IRM areas. This estimation is based, in part, on the deeper screen interval used in construction of this well and previous observations of subsurface conditions in the immediate vicinity of MW-27. Bedrock depth at MW-27 is substantially deeper at the south end of the former petroleum storage/plating area(s). No environmental impacts have been identified in deeper soil or groundwater in this area of the Site in previous or the current 2015 investigation effort.

## **7.0 Engineering Controls**

The Final IRMs completed for the Site included (1) removal of asbestos containing materials within a utility trench; (2) removal of residual petroleum-impacted subsurface soils, specifically in the area adjacent to the former tank farm; and (3) Site grading and restoration with existing crushed building debris.

The final remedy will be chosen by the NYSDEC in a Proposed Remedial Action Plan (PRAP). It is anticipated that part of the PRAP requirements will be a long-term groundwater monitoring program, and certification and annual inspection of the Site cover (Cap). Additional requirements to protect human health and the environment from the potential exposure to remaining asbestos in existing underground tunnel system beneath the property will be addressed in the final Site remedy and SMP.

Demolition debris (crushed brick and stone) has been re-used as on-Site backfill cover material throughout the Site as an engineering control. Areas of exposed soils have been covered with a minimum of one (1) foot of crushed demolition rubble material. One area of exposed tunnel void space has been covered with a steel plate bolted to the concrete pad in order to prevent exposure to human health and environment. The Site cover system will be inspected annually as a requirement to the SMP.

## **8.0 Institutional Controls**

The Site remedy requires that an environmental easement (through deed restrictions) be placed on the property to (1) implement, maintain and monitor any Engineering Controls; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Site to Commercial and Industrial uses only. Adherence to these Institutional Controls (ICs) on the Site will be required by the Declaration of Covenants and Restrictions (DCR) and will implement under the Site Management Plan (SMP).

An environmental easement describing these controls will be submitted to NYSDEC for approval by the City. The final easement and survey map will be filed at the Monroe County Clerk's Office.





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**Table 1: Subsurface Soil TCL VOC Results**

| Analyzed Parameters <sup>1</sup>    | Unrestricted Use <sup>2</sup> | Commercial Use <sup>3</sup> | Industrial Use <sup>3</sup> | OW-TP-01-2015 | OW-TP-02-2015 | OW-TP-03-2015 | OW-TP-04-2015 | OW-TP-05-2015 | OW-TP-06-2015 | OW-TP-07-2015 | OW-TP-08-2015 | OW-TP-09-2015 | OW-TP-10-2015 | OW-TP-11-2015 | OW-TP-12-2015 | OW-TP-13-2015 | OW-TP-14-2015 | OW-TP-15-2015 | OW-TP-16-2015 |
|-------------------------------------|-------------------------------|-----------------------------|-----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <b>EPA 8260 - Volatile Organics</b> |                               |                             |                             |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
| 1,2-Dichlorobenzene                 | 1,100                         | 500,000                     | 1,000,000                   | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            |
| 1,2,4-Trimethylbenzene              | 3,600                         | 190,000                     | 380,000                     | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            |
| 1,3,5-Trimethylbenzene              | 8,400                         | 190,000                     | 380,000                     | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            |
| 1,4-Dichlorobenzene                 | 1,800                         | 130,000                     | 250,000                     | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            |
| Benzene                             | 60                            | 44,000                      | 89,000                      | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            |
| 2-Butanone                          | 120                           | 500,000                     | 1,000,000                   | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            |
| Acetone                             | 50                            | 500,000                     | 1,000,000                   | ND            | ND            | 47.4          | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | 18.0          | ND            |
| Carbon Disulfide                    | -                             | -                           | -                           | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            |
| Chloroform                          | 370                           | 350,000                     | 700,000                     | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            |
| Cyclohexane                         | -                             | -                           | -                           | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | 145           | ND            | ND            | ND            | ND            | ND            | ND            |
| Ethylbenzene                        | 1,000                         | 390,000                     | 780,000                     | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | 189           | ND            | ND            | ND            | ND            | ND            | ND            |
| Isopropylbenzene                    | -                             | -                           | -                           | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | 130           | ND            | ND            | ND            | ND            | ND            | ND            |
| m,p-Xylene                          | -                             | -                           | -                           | ND            | ND            | 2.02          | ND            | ND            | ND            | ND            | ND            | ND            | 833           | ND            | ND            | ND            | ND            | ND            | ND            |
| Methylcyclohexane                   | -                             | -                           | -                           | ND            | ND            | 1.88          | ND            | ND            | ND            | ND            | ND            | ND            | 1,420         | ND            | 61.2          | ND            | ND            | 5.92          | ND            |
| Methylene chloride                  | 50                            | 500,000                     | 1,000,000                   | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            |
| N-Butylbenzene                      | 12,000                        | 500,000                     | 1,000,000                   | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            |
| N-Propylbenzene                     | 3,900                         | 500,000                     | 1,000,000                   | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            |
| Naphthalene                         | 12,000                        | 500,000                     | 1,000,000                   | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            |
| o-Xylene                            | -                             | -                           | -                           | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            |
| p-Isopropyltoluene                  | -                             | -                           | -                           | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            |
| sec-Butylbenzene                    | 11,000                        | 500,000                     | 1,000,000                   | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            |
| Tetrachloroethene                   | 1,300                         | 150,000                     | 300,000                     | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            |
| Toluene                             | 700                           | 500,000                     | 1,000,000                   | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            |
| Total Xylenes                       | -                             | -                           | -                           | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            |
| Trichloroethene                     | 470                           | 200,000                     | 400,000                     | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            |

1 - All values presented in micrograms per kilogram (µg/Kg).  
 2 - 6 NYCRR Part 375-6.8 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives  
 3 - 6 NYCRR Part 375-6.8 - Table 375-6.8(b): Restricted Use Soil Cleanup Objectives  
 ND- Not detected above reporting limit  
 J- value is estimated  
 D- all compounds identified in an analysis at secondary dilution factor  
 M- matrix spike recoveries outside QC limits; matrix bias indicated

|  |                                          |
|--|------------------------------------------|
|  | Value Exceeds Unrestricted SCOs          |
|  | Value Exceeds Commercial Use SCOs        |
|  | Value Exceeds Industrial Use SCOs        |
|  | Analysis not performed on this parameter |



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**Table 2: Subsurface Soil Metals Results**

| Analyzed Parameters <sup>1</sup>                   | Unrestricted Use <sup>2</sup> | Commercial Use <sup>3</sup> | Industrial Use <sup>3</sup> | OW-TP-01-2015 | OW-TP-02-2015 | OW-TP-03-2015 | OW-TP-04-2015 | OW-TP-05-2015 | OW-TP-06-2015 | OW-TP-07-2015 | OW-TP-08-2015 | OW-TP-09-2015 | OW-TP-10-2015 | OW-TP-10-M (metallic sludge) | OW-TP-11-2015 | OW-TP-12-2015 | OW-TP-13-2015 | OW-TP-14-2015 | OW-TP-15-2015 | OW-TP-16-2015 |
|----------------------------------------------------|-------------------------------|-----------------------------|-----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <b>RCRA Metals</b>                                 |                               |                             |                             |               |               |               |               |               |               |               |               |               |               |                              |               |               |               |               |               |               |
| Arsenic                                            | 13                            | 16                          | 16                          | 4.03          | 3.24          | 4.40          | 8.95          | 2.80          | 4.59          | 29.2          | 59.3          | 8.73          | 4.84          | 20.0                         | 3.52          | 4.29          | 4.67          | 5.21          | 6.62          | 4.98          |
| Barium                                             | 350                           | 400                         | 10,000                      | 17.7          | 22.5          | 27.2          | 32.3          | 20.0          | 42.3          | 727           | 95.6          | 57.1          | 53            | 760                          | 21.7          | 439           | 24.9          | 41.5          | 42.6          | 34.7          |
| Cadmium                                            | 2.5                           | 9.3                         | 2,700                       | 0.149         | < 0.283       | < 0.264       | 0.181         | < 0.279       | 0.269         | 1.51          | 1.28          | 0.317         | 1.3           | 16.1                         | 1.17          | 0.270         | 1.68          | 0.991         | 1.76          | 1.00          |
| Chromium                                           | 1                             | 400                         | 800                         | 7.4           | 6.15          | 5.78          | 6.36          | 6.76          | 8.67          | 19.6          | 13.8          | 11.2          | 18.4          | 80.3                         | 4.63          | 7.66          | 7.23          | 10.4          | 10.4          | 9.47          |
| Lead                                               | 63                            | 1,000                       | 3,900                       | 3.64          | 6.48          | 2.44          | 16.4          | 2.75          | 3.4           | 383           | 190           | 28.3          | 15.2          | 1,000                        | 4.26          | 6.35          | 5.7           | 21.0          | 6.19          | 4.65          |
| Mercury                                            | 0.18                          | 2.8                         | 5.7                         | 0.00722       | 0.0123        | 0.00545       | 0.0896        | 0.00896       | 0.0124        | 0.0803        | 0.0658        | 0.0311        | 0.0235        | 6.26                         | 0.0282        | 0.0308        | 0.0129        | 0.0328        | 0.0384        | 0.0127        |
| Selenium                                           | 3.9                           | 1,500                       | 6,800                       | 0.496         | 0.325         | 0.709         | 0.337         | < 0.559       | 0.678         | 3.16          | 2.15          | < 0.706       | < 0.567       | 2.93                         | < 0.585       | 1.22          | < 0.631       | 0.443         | < 0.653       | < 0.560       |
| Silver                                             | 2                             | 1,500                       | 6,800                       | 0.684         | 0.441         | < 0.528       | 0.305         | 0.502         | < 0.547       | 1.12          | 0.478         | 0.533         | < 0.567       | 12.4                         | < 0.585       | < 0.590       | < 0.631       | < 0.561       | < 0.653       | < 0.560       |
| <b>EPA 8082 - PCBs</b>                             |                               |                             |                             |               |               |               |               |               |               |               |               |               |               |                              |               |               |               |               |               |               |
| PCB-1016                                           | 0.1                           | 1                           | 25                          | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            |                              | ND            | ND            | ND            | ND            | ND            | ND            |
| PCB-1221                                           | 0.1                           | 1                           | 25                          | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            |                              | ND            | ND            | ND            | ND            | ND            | ND            |
| PCB-1232                                           | 0.1                           | 1                           | 25                          | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            |                              | ND            | ND            | ND            | ND            | ND            | ND            |
| PCB-1242                                           | 0.1                           | 1                           | 25                          | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            |                              | ND            | ND            | ND            | ND            | ND            | ND            |
| PCB-1248                                           | 0.1                           | 1                           | 25                          | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            |                              | ND            | ND            | ND            | ND            | ND            | ND            |
| PCB-1254                                           | 0.1                           | 1                           | 25                          | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            |                              | ND            | ND            | ND            | ND            | ND            | ND            |
| PCB-1260                                           | 0.1                           | 1                           | 25                          | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            |                              | ND            | ND            | ND            | ND            | ND            | ND            |
| PCB-1262                                           | 0.1                           | 1                           | 25                          | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            | ND            |                              | ND            | ND            | ND            | ND            | ND            | ND            |
| PCB-1268                                           | 0.1                           | 1                           | 25                          | ND            | ND            | ND            | ND            | ND            | ND            | 20.3          | ND            | ND            | ND            |                              | ND            | ND            | ND            | ND            | ND            | ND            |
| <b>Total Petroleum Hydrocarbons- NYSDOH 310.13</b> |                               |                             |                             |               |               |               |               |               |               |               |               |               |               |                              |               |               |               |               |               |               |
| Heavy Weight PHC as Lube Oil                       | 100                           | 500                         | 1,000                       |               |               |               |               |               |               |               |               |               | 143           |                              |               |               | 50            |               |               |               |
| Medium weight PHC as Diesel                        | 100                           | 500                         | 1,000                       |               |               |               |               |               |               |               |               |               | 523           |                              |               | 711           |               |               |               |               |
| Mineral Oil                                        | 100                           | 500                         | 1,000                       |               |               |               |               |               |               |               |               |               | 504           |                              |               | 808           |               |               |               |               |

1- All values for metals are presented in milligrams per kilograms (mg/kg)  
 2 - 6 NYCRR Part 375-6.8 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives  
 3 - 6 NYCRR Part 375-6.8 - Table 375-6.8(b): Restricted Use Soil Cleanup Objectives  
 ND- Not detected above reporting limit  
 J- value is estimated  
 D- all compounds identified in an analysis at secondary dilution factor  
 M- matrix spike recoveries outside QC limits; matrix bias indicated  
 E- value is estimated or not reported due to interference (for metals)  
 N- spike sample recovery is not within QC limits (for metals)  
 NU- Not detected (for metals)  
 \*- spike or duplicate analysis is not within QC limits (for metals)

|  |                                          |
|--|------------------------------------------|
|  | Value Exceeds Unrestricted SCOs          |
|  | Value Exceeds Commercial Use SCOs        |
|  | Value Exceeds Industrial Use SCOs        |
|  | Analysis not performed on this parameter |



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**Table 3: Soil Borings Metals and PCBs Results**

| Analyzed Parameters <sup>1</sup>   | Unrestricted Use <sup>3</sup> | Commercial Use <sup>4</sup> | Industrial Use <sup>4</sup> | MW-26  | MW-27A | MW-27B  | MW-28     | MW-29    |
|------------------------------------|-------------------------------|-----------------------------|-----------------------------|--------|--------|---------|-----------|----------|
| <b>RCRA Metals<sup>2</sup></b>     |                               |                             |                             |        |        |         |           |          |
| Arsenic                            | 13                            | 16                          | 16                          | 3.37   | 4.85   | 2.92    | 3.68      | 3.08     |
| Barium                             | 350                           | 400                         | 10,000                      | 25.2   | 24.7   | 9.12    | 34.4      | 18.9     |
| Cadmium                            | 2.5                           | 9.3                         | 2,700                       | <0.255 | <0.271 | 0.677   | <0.267    | <0.255   |
| Chromium                           | 1                             | 400                         | 800                         | 5.56   | 9.30   | 3.35    | 7.19      | 5.17     |
| Lead                               | 63                            | 1,000                       | 3,900                       | 1.59   | 2.32   | 0.99    | 2.18      | 1.84     |
| Mercury                            | 0.18                          | 2.8                         | 5.7                         | 0.0105 | 0.0108 | <0.0092 | 0.00411 J | <0.00813 |
| Selenium                           | 3.9                           | 1,500                       | 6,800                       | 0.743  | 0.85   | 1.34    | 1.19      | 1.01 D   |
| Silver                             | 2                             | 1,500                       | 6,800                       | <0.510 | <0.542 | <0.596  | <0.533    | <0.510   |
| <b>EPA 8082 - PCBs<sup>2</sup></b> |                               |                             |                             |        |        |         |           |          |
| PCB-1016                           | 0.1                           | 1                           | 25                          | ND     | ND     | ND      | ND        | ND       |
| PCB-1221                           | 0.1                           | 1                           | 25                          | ND     | ND     | ND      | ND        | ND       |
| PCB-1232                           | 0.1                           | 1                           | 25                          | ND     | ND     | ND      | ND        | ND       |
| PCB-1242                           | 0.1                           | 1                           | 25                          | ND     | ND     | ND      | ND        | ND       |
| PCB-1248                           | 0.1                           | 1                           | 25                          | ND     | ND     | ND      | ND        | ND       |
| PCB-1254                           | 0.1                           | 1                           | 25                          | ND     | ND     | ND      | ND        | ND       |
| PCB-1260                           | 0.1                           | 1                           | 25                          | ND     | ND     | ND      | ND        | ND       |
| PCB-1262                           | 0.1                           | 1                           | 25                          | ND     | ND     | ND      | ND        | ND       |
| PCB-1268                           | 0.1                           | 1                           | 25                          | ND     | ND     | ND      | ND        | ND       |

1 - All values presented in micrograms per kilogram (µg/Kg).

2- All values for metals are presented in milligrams per kilograms (mg/kg)

3 - 6 NYCRR Part 375-6.8 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives

4 - 6 NYCRR Part 375-6.8 - Table 375-6.8(b): Restricted Use Soil Cleanup Objectives

ND- Not detected above reporting limit

J- value is estimated

D- all compounds identified in an analysis at secondary dilution factor

M- matrix spike recoveries outside QC limits; matrix bias indicated

E- value is estimated or not reported due to interference (for metals)

N- spike sample recovery is not within QC limits (for metals)

NU- Not detected (for metals)

\*- spike or duplicate analysis is not within QC limits (for metals)



Value Exceeds Unrestricted SCOs  
 Value Exceeds Commercial Use SCOs

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**Table 4: Soil Borings TCL VOC Results**

| Analyzed Parameters <sup>1</sup>    | Unrestricted Use <sup>2</sup> | Commercial Use <sup>3</sup> | Industrial Use <sup>3</sup> | MW-26 | MW-27A | MW-27B | MW-28 | MW-29  |
|-------------------------------------|-------------------------------|-----------------------------|-----------------------------|-------|--------|--------|-------|--------|
| <b>EPA 8260 - Volatile Organics</b> |                               |                             |                             |       |        |        |       |        |
| 1,2-Dichlorobenzene                 | 1,100                         | 500,000                     | 1,000,000                   | ND    | ND     | ND     | ND    | ND     |
| 1,2,4-Trimethylbenzene              | 3,600                         | 190,000                     | 380,000                     | ND    | ND     | ND     | ND    | ND     |
| 1,3,5-Trimethylbenzene              | 8,400                         | 190,000                     | 380,000                     | ND    | ND     | ND     | ND    | ND     |
| 1,4-Dichlorobenzene                 | 1,800                         | 130,000                     | 250,000                     | ND    | ND     | ND     | ND    | ND     |
| Benzene                             | 60                            | 44,000                      | 89,000                      | ND    | ND     | ND     | ND    | ND     |
| 2-Butanone                          | 120                           | 500,000                     | 1,000,000                   | ND    | ND     | ND     | ND    | ND     |
| Acetone                             | 50                            | 500,000                     | 1,000,000                   | 55.6  | 25.0 J | 57.4   | 62.2  | 19.4 J |
| Carbon Disulfide                    | -                             | -                           | -                           | ND    | ND     | 7.92   | ND    | ND     |
| Chloroform                          | 370                           | 350,000                     | 700,000                     | ND    | ND     | ND     | ND    | ND     |
| Cyclohexane                         | -                             | -                           | -                           | ND    | ND     | ND     | ND    | ND     |
| Ethylbenzene                        | 1,000                         | 390,000                     | 780,000                     | ND    | ND     | ND     | ND    | ND     |
| Isopropylbenzene                    | -                             | -                           | -                           | ND    | ND     | ND     | ND    | ND     |
| m,p-Xylene                          | -                             | -                           | -                           | ND    | ND     | ND     | ND    | ND     |
| Methylcyclohexane                   | -                             | -                           | -                           | ND    | ND     | ND     | ND    | ND     |
| Methylene chloride                  | 50                            | 500,000                     | 1,000,000                   | ND    | ND     | ND     | ND    | ND     |
| N-Butylbenzene                      | 12,000                        | 500,000                     | 1,000,000                   | ND    | ND     | ND     | ND    | ND     |
| N-Propylbenzene                     | 3,900                         | 500,000                     | 1,000,000                   | ND    | ND     | ND     | ND    | ND     |
| Naphthalene                         | 12,000                        | 500,000                     | 1,000,000                   | ND    | ND     | ND     | ND    | ND     |
| o-Xylene                            | -                             | -                           | -                           | ND    | ND     | ND     | ND    | ND     |
| p-Isopropyltoluene                  | -                             | -                           | -                           | ND    | ND     | ND     | ND    | ND     |
| sec-Butylbenzene                    | 11,000                        | 500,000                     | 1,000,000                   | ND    | ND     | ND     | ND    | ND     |
| Tetrachloroethene                   | 1,300                         | 150,000                     | 300,000                     | ND    | ND     | ND     | ND    | ND     |
| Toluene                             | 700                           | 500,000                     | 1,000,000                   | ND    | ND     | ND     | ND    | ND     |
| Total Xylenes                       | -                             | -                           | -                           | ND    | ND     | ND     | ND    | ND     |
| Trichloroethene                     | 470                           | 200,000                     | 400,000                     | ND    | ND     | ND     | ND    | ND     |

- 1 - All values presented in micrograms per kilogram (ug/Kg).
- 2 - 6 NYCRR Part 375-6.8 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives
- 3 - 6 NYCRR Part 375-6.8 - Table 375-6.8(b): Restricted Use Soil Cleanup Objectives
- ND- Not detected above reporting limit
- J- value is estimated
- D- all compounds identified in an analysis at secondary dilution factor
- M- matrix spike recoveries outside QC limits; matrix bias indicated

 Value Exceeds Unrestricted SCOs  
 Value Exceeds Commercial Use SCOs



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**Table 5: Groundwater RCRA Metals and PCBs Results**

| Analyzed Parameters <sup>1</sup>   | NYS Groundwater Standard Class GA <sup>2</sup> | MW-16_072815  | MW-22_072815  | MW-23_072815 | MW-26_072815  | MW-27_072815 | MW-28_072815  | MW-29_072815  |
|------------------------------------|------------------------------------------------|---------------|---------------|--------------|---------------|--------------|---------------|---------------|
| <b>EPA 6010-Metals<sup>3</sup></b> |                                                |               |               |              |               |              |               |               |
| Arsenic                            | <b>0.025*</b>                                  | <b>0.0714</b> | 0.0214        | 0.0121       | 0.00623 J     | <b>0.124</b> | <b>0.0306</b> | 0.0157        |
| Barium                             | <b>1</b>                                       | 0.663         | 0.360         | 0.213        | 0.0843 J      | <b>1.06</b>  | 0.325         | 0.153         |
| Cadmium                            | <b>0.005</b>                                   | <b>0.658</b>  | <0.00500      | <0.00500     | <0.00500      | 0.00487 J    | <0.00500      | <b>0.0169</b> |
| Chromium                           | <b>0.05</b>                                    | <b>0.317</b>  | 0.0343        | 0.0171       | 0.00619 J     | <b>0.227</b> | <b>0.052</b>  | 0.0154        |
| Lead                               | <b>0.025</b>                                   | <b>0.0632</b> | 0.0216        | 0.0131       | <0.0100       | <b>0.114</b> | <b>0.0453</b> | <0.0100       |
| Mercury                            | <b>0.0007</b>                                  | 0.000589      | <0.000200     | <0.000200    | <0.000200     | 0.000328     | <0.000200     | <0.000200     |
| Selenium                           | <b>0.01</b>                                    | <0.0100       | <b>0.0168</b> | 0.00907 J    | <b>0.0116</b> | <b>0.013</b> | <b>0.015</b>  | <b>0.016</b>  |
| Silver                             | <b>.05*</b>                                    | <0.0100       | <0.0100       | <0.0100      | <0.0100       | <0.0100      | <0.0100       | <0.0100       |
| <b>EPA 8082-PCBs</b>               |                                                |               |               |              |               |              |               |               |
| PCB-1016                           | <b>0.09</b>                                    | ND            | ND            | ND           | ND            | ND           | ND            | ND            |
| PCB-1221                           | <b>0.09</b>                                    | ND            | ND            | ND           | ND            | ND           | ND            | ND            |
| PCB-1232                           | <b>0.09</b>                                    | ND            | ND            | ND           | ND            | ND           | ND            | ND            |
| PCB-1242                           | <b>0.09</b>                                    | ND            | ND            | ND           | ND            | ND           | ND            | ND            |
| PCB-1248                           | <b>0.09</b>                                    | ND            | ND            | ND           | ND            | ND           | ND            | ND            |
| PCB-1254                           | <b>0.09</b>                                    | ND            | ND            | ND           | ND            | ND           | ND            | ND            |
| PCB-1260                           | <b>0.09</b>                                    | ND            | ND            | ND           | ND            | ND           | ND            | ND            |
| PCB-1262                           | <b>0.09</b>                                    | ND            | ND            | ND           | ND            | ND           | ND            | ND            |
| PCB-1268                           | <b>0.09</b>                                    | ND            | ND            | ND           | ND            | ND           | ND            | ND            |

1 - All values presented in micrograms per kilogram (µg/L).

2 - NYS Ambient Groundwater Standard (6 NYCRR Part 703.5)

3- All values for metals are presented in milligrams per kilogram (mg/L)

  Value Exceeds NYS Ambient Groundwater Standards

ND - not detected above method detection limit

\* - NYSDEC Guidance Value (TOGS 1.1.1)

J - compound detected below the laboratory quantitation limit

B - compound detected in associated method blank



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**Table 6: Groundwater TCL VOCs Results**

| Analyzed Parameters <sup>1</sup>    | NYS Groundwater Standard Class GA <sup>2</sup> | MW-16_072415 | MW-22_072415 | MW-23_072415 | MW-26_072415 | MW-27_072415 | MW-28_072415 | MW-29_072415 |
|-------------------------------------|------------------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| <b>EPA 8260 - Volatile Organics</b> |                                                |              |              |              |              |              |              |              |
| 1,1,1-Trichloroethane               | 5                                              | ND           | ND           | ND           | ND           | ND           | ND           | ND           |
| 1,1-Dichloroethane                  | 5*                                             | ND           | ND           | ND           | ND           | ND           | ND           | ND           |
| 1,4-Dioxane                         | 1                                              | ND           | ND           | ND           | ND           | ND           | ND           | ND           |
| 2-Butanone                          | 50                                             | ND           | ND           | ND           | ND           | ND           | ND           | ND           |
| Acetone                             | 50*                                            | ND           | ND           | ND           | ND           | ND           | ND           | ND           |
| Benzene                             | 1                                              | ND           | ND           | ND           | ND           | ND           | ND           | ND           |
| Chloroform                          | 7                                              | ND           | 2.41         | ND           | 5.39         | ND           | 6.50         | 4.45         |
| cis-1,2-Dichloroethene              | 5*                                             | ND           | ND           | ND           | ND           | ND           | ND           | ND           |
| Cyclohexane                         | -                                              | ND           | ND           | ND           | ND           | ND           | ND           | ND           |
| Methyl tert-butyl Ether             | -                                              | ND           | ND           | ND           | ND           | ND           | ND           | ND           |
| Tetrachloroethene                   | 5                                              | ND           | ND           | ND           | ND           | ND           | ND           | ND           |
| Toluene                             | 5*                                             | ND           | ND           | ND           | ND           | ND           | ND           | ND           |
| trans-1,2-Dichloroethene            | 5*                                             | ND           | ND           | ND           | ND           | ND           | ND           | ND           |
| Trichloroethene                     | 5*                                             | ND           | ND           | ND           | ND           | ND           | ND           | ND           |
| Xylenes (total)                     | -                                              | ND           | ND           | ND           | ND           | ND           | ND           | ND           |
| Vinyl Chloride                      | 2                                              | ND           | ND           | ND           | ND           | ND           | ND           | ND           |

- 1 - All values presented in micrograms per kilogram (µg/L).  
2 - NYS Ambient Groundwater Standard (6 NYCRR Part 703.5)  
3- All values for metals are presented in milligrams per kilogram (mg/L)  
Value Exceeds NYS Ambient Groundwater Standards  
ND - not detected above method detection limit  
\* - NYSDEC Guidance Value (TOGS 1.1.1)  
J - compound detected below the laboratory quantitation limit  
B - compound detected in associated method blank



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**Table 7: Subsurface Soil TCL VOC Results**

| Analyzed Parameters <sup>1</sup>    | Unrestricted Use <sup>2</sup> | Commercial Use <sup>3</sup> | Industrial Use <sup>3</sup> | OW-BOT-01-101215 | OW-SW-01-101315 | OW-BOT-02-101315 | OW-SW-02-101315 | OW-SW-03-101315 | OW-BOT-03-101415 | OW-SW-04-101415 | OW-BOT-04-101515 |
|-------------------------------------|-------------------------------|-----------------------------|-----------------------------|------------------|-----------------|------------------|-----------------|-----------------|------------------|-----------------|------------------|
| <b>EPA 8260 - Volatile Organics</b> |                               |                             |                             |                  |                 |                  |                 |                 |                  |                 |                  |
| 1,2-Dichlorobenzene                 | 1,100                         | 500,000                     | 1,000,000                   | ND               | ND              | ND               | ND              | ND              | ND               | ND              | ND               |
| 1,2,4-Trimethylbenzene              | 3,600                         | 190,000                     | 380,000                     | ND               | ND              | ND               | ND              | ND              | ND               | ND              | ND               |
| 1,3,5-Trimethylbenzene              | 8,400                         | 190,000                     | 380,000                     | ND               | ND              | ND               | ND              | ND              | ND               | ND              | ND               |
| 1,4-Dichlorobenzene                 | 1,800                         | 130,000                     | 250,000                     | ND               | ND              | ND               | ND              | ND              | ND               | ND              | ND               |
| Benzene                             | 60                            | 44,000                      | 89,000                      | ND               | ND              | ND               | ND              | ND              | ND               | ND              | ND               |
| 2-Butanone                          | 120                           | 500,000                     | 1,000,000                   | ND               | ND              | ND               | ND              | ND              | ND               | ND              | ND               |
| Acetone                             | 50                            | 500,000                     | 1,000,000                   | ND               | ND              | ND               | ND              | ND              | ND               | ND              | ND               |
| Carbon Disulfide                    | -                             | -                           | -                           | ND               | ND              | ND               | ND              | ND              | ND               | ND              | ND               |
| Chloroform                          | 370                           | 350,000                     | 700,000                     | ND               | ND              | ND               | ND              | ND              | ND               | ND              | ND               |
| Cyclohexane                         | -                             | -                           | -                           | ND               | ND              | ND               | ND              | ND              | ND               | ND              | ND               |
| Ethylbenzene                        | 1,000                         | 390,000                     | 780,000                     | ND               | ND              | ND               | ND              | ND              | ND               | ND              | ND               |
| Isopropylbenzene                    | -                             | -                           | -                           | ND               | ND              | ND               | ND              | ND              | ND               | ND              | ND               |
| m,p-Xylene                          | -                             | -                           | -                           | ND               | ND              | ND               | ND              | ND              | ND               | ND              | ND               |
| Methylcyclohexane                   | -                             | -                           | -                           | ND               | ND              | ND               | ND              | ND              | 50.8             | ND              | ND               |
| Methylene chloride                  | 50                            | 500,000                     | 1,000,000                   | ND               | ND              | ND               | ND              | ND              | ND               | ND              | ND               |
| N-Butylbenzene                      | 12,000                        | 500,000                     | 1,000,000                   | ND               | ND              | ND               | ND              | ND              | ND               | ND              | ND               |
| N-Propylbenzene                     | 3,900                         | 500,000                     | 1,000,000                   | ND               | ND              | ND               | ND              | ND              | ND               | ND              | ND               |
| Naphthalene                         | 12,000                        | 500,000                     | 1,000,000                   | ND               | ND              | ND               | ND              | ND              | ND               | ND              | ND               |
| o-Xylene                            | -                             | -                           | -                           | ND               | ND              | ND               | ND              | ND              | ND               | ND              | ND               |
| p-Isopropyltoluene                  | -                             | -                           | -                           | ND               | ND              | ND               | ND              | ND              | ND               | ND              | ND               |
| sec-Butylbenzene                    | 11,000                        | 500,000                     | 1,000,000                   | ND               | ND              | ND               | ND              | ND              | ND               | ND              | ND               |
| Tetrachloroethene                   | 1,300                         | 150,000                     | 300,000                     | ND               | ND              | ND               | ND              | ND              | ND               | ND              | ND               |
| Toluene                             | 700                           | 500,000                     | 1,000,000                   | ND               | ND              | ND               | ND              | ND              | ND               | ND              | ND               |
| Total Xylenes                       | -                             | -                           | -                           | ND               | ND              | ND               | ND              | ND              | ND               | ND              | ND               |
| Trichloroethene                     | 470                           | 200,000                     | 400,000                     | ND               | ND              | ND               | ND              | ND              | ND               | ND              | ND               |

1 - All values presented in micrograms per kilogram (µg/Kg).

2 - 6 NYCRR Part 375-6.8 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives

3 - 6 NYCRR Part 375-6.8 - Table 375-6.8(b): Restricted Use Soil Cleanup Objectives

ND- Not detected above reporting limit

J- value is estimated

D- all compounds identified in an analysis at secondary dilution factor

M- matrix spike recoveries outside QC limits; matrix bias indicated

|  |                                          |
|--|------------------------------------------|
|  | Value Exceeds Unrestricted SCOs          |
|  | Value Exceeds Commercial Use SCOs        |
|  | Value Exceeds Industrial Use SCOs        |
|  | Analysis not performed on this parameter |



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**Table 8: Subsurface Soil Metals Results**

| Analyzed Parameters <sup>1</sup> | Unrestricted Use <sup>2</sup> | Commercial Use <sup>3</sup> | Industrial Use <sup>3</sup> | OW-BOT-01-101215 | OW-SW-01-101315 | OW-BOT-02-101315 | OW-SW-02-101315 | OW-SW-03-101315 | OW-BOT-03-101415 | OW-SW-04-101415 | OW-BOT-04-101515 |
|----------------------------------|-------------------------------|-----------------------------|-----------------------------|------------------|-----------------|------------------|-----------------|-----------------|------------------|-----------------|------------------|
| <b>RCRA Metals</b>               |                               |                             |                             |                  |                 |                  |                 |                 |                  |                 |                  |
| Arsenic                          | 13                            | 16                          | 16                          | 1.39             | 4.24            | 1.18             | 1.54            | 1.78            | 5.03             | 1.69            | 3.69             |
| Barium                           | 350                           | 400                         | 10,000                      | 20               | 131             | 24.3             | 21.9            | 20.3            | 296              | 20.0            | 29.7             |
| Cadmium                          | 2.5                           | 9.3                         | 2,700                       | < 0.255          | < 0.249         | < 0.277          | < 0.278         | < 0.273         | 3.07             | < 0.260         | 3.12             |
| Chromium                         | 1                             | 400                         | 800                         | 5.9              | 8.87            | 7.21             | 4.73            | 6.04            | 14.1             | 6.98            | 9.41             |
| Lead                             | 63                            | 1,000                       | 3,900                       | 3.56             | 22.9            | 2.45             | 9.32            | 1.95            | 25.9             | 3.00            | 9.72             |
| Mercury                          | 0.18                          | 2.8                         | 5.7                         | < 0.00816        | 0.026           | 0.00596          | 0.322           | 0.00527         | 0.119            | 0.0127          | 0.0353           |
| Selenium                         | 3.9                           | 1,500                       | 6,800                       | < 0.511          | < 0.498         | < 0.553          | < 0.556         | < 0.546         | < 0.617          | < 0.520         | < 0.572          |
| Silver                           | 2                             | 1,500                       | 6,800                       | 0.26             | < 0.498         | < 0.553          | < 0.556         | < 0.546         | < 0.617          | < 0.520         | < 0.572          |

- 1- All values for metals are presented in milligrams per kilograms (mg/kg)
- 2 - 6 NYCRR Part 375-6.8 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives
- 3 - 6 NYCRR Part 375-6.8 - Table 375-6.8(b): Restricted Use Soil Cleanup Objectives
- ND- Not detected above reporting limit
- J- value is estimated
- D- all compounds identified in an analysis at secondary dilution factor
- M- matrix spike recoveries outside QC limits; matrix bias indicated
- E- value is estimated or not reported due to interference (for metals)
- N- spike sample recovery is not within QC limits (for metals)
- NU- Not detected (for metals)
- \*- spike or duplicate analysis is not within QC limits (for metals)

|  |                                          |
|--|------------------------------------------|
|  | Value Exceeds Unrestricted SCOs          |
|  | Value Exceeds Commercial Use SCOs        |
|  | Value Exceeds Industrial Use SCOs        |
|  | Analysis not performed on this parameter |

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**Table 9: Frac Tank Water Results**

| Analyzed Parameters                                               | Groundwater Standards Surface Water and GW <sup>3</sup> | Groundwater Effluent Limitations <sup>4</sup> | Monroe County Local Limitations <sup>5</sup> | OW-FRAC-101515 |
|-------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------|----------------------------------------------|----------------|
| <b>EPA 602 + MTBE - Volatile Organics (Aromatics)<sup>1</sup></b> |                                                         |                                               |                                              |                |
| 1,2-Dichlorobenzene                                               | 3                                                       | 3                                             | -                                            | < 2.00         |
| 1,3-Dichlorobenzene                                               | 3                                                       | 3                                             | -                                            | < 2.00         |
| 1,4-Dichlorobenzene                                               | 3                                                       | 3                                             | -                                            | < 2.00         |
| Benzene                                                           | 1                                                       | 1                                             | -                                            | < 2.00         |
| Chlorobenzene                                                     | 5                                                       | -                                             | -                                            | < 2.00         |
| Ethylbenzene                                                      | 5                                                       | -                                             | -                                            | < 2.00         |
| Methyl tert-butyl Ether                                           | -                                                       | -                                             | -                                            | < 2.00         |
| Toluene                                                           | 5                                                       | -                                             | -                                            | < 2.00         |
| <b>EPA 625 - Semi-Volatile Organics (PAHs)<sup>1</sup></b>        |                                                         |                                               |                                              |                |
| Acenaphthene                                                      | 20                                                      | -                                             | -                                            | < 10.0         |
| Acenaphthylene                                                    | -                                                       | -                                             | -                                            | < 10.0         |
| Anthracene                                                        | -                                                       | -                                             | -                                            | < 10.0         |
| Benzo(a)anthracene                                                | -                                                       | -                                             | -                                            | < 10.0         |
| Benzo(a)pyrene                                                    | -                                                       | -                                             | -                                            | < 10.0         |
| Benzo(b)fluoranthene                                              | -                                                       | -                                             | -                                            | < 10.0         |
| Benzo(ghi)perylene                                                | -                                                       | -                                             | -                                            | < 10.0         |
| Benzo(k)fluoranthene                                              | -                                                       | -                                             | -                                            | < 10.0         |
| Chrysene                                                          | -                                                       | -                                             | -                                            | < 10.0         |
| Dibenzo(a,h)anthracene                                            | -                                                       | -                                             | -                                            | < 10.0         |
| Fluoranthene                                                      | -                                                       | -                                             | -                                            | < 10.0         |
| Fluorene                                                          | -                                                       | -                                             | -                                            | < 10.0         |
| Indeno(1,2,3-cd)pyrene                                            | -                                                       | -                                             | -                                            | < 10.0         |
| Naphthalene                                                       | 10                                                      | -                                             | -                                            | < 10.0         |
| Phenanthrene                                                      | -                                                       | -                                             | -                                            | < 10.0         |
| Pyrene                                                            | -                                                       | -                                             | -                                            | < 10.0         |
| <b>EPA 610 - RCRA Metals<sup>2</sup></b>                          |                                                         |                                               |                                              |                |
| Arsenic                                                           | 50                                                      | 50                                            | 0.5                                          | < 0.00500      |
| Barium                                                            | 1,000                                                   | 2,000                                         | 2.0                                          | 0.124          |
| Cadmium                                                           | 5                                                       | 10                                            | 1.0                                          | < 0.00250      |
| Chromium                                                          | 50                                                      | 100                                           | 3.0                                          | 0.0067         |
| Lead                                                              | 25                                                      | 50                                            | 1.0                                          | < 0.00500      |
| Mercury                                                           | 0.7                                                     | 1.4                                           | 0.05                                         | < 0.00200      |
| Selenium                                                          | 10                                                      | 20                                            | 2.0                                          | < 0.0100       |
| Silver                                                            | 50                                                      | 100                                           | 2.0                                          | < 0.00500      |

1 - All values presented in micrograms per liter (µg/L).

2 - All values presented in milligrams per liter (mg/L).

3 - NYSDEC Part 703.5 Water Quality Standards Surface Water and Groundwater - Class GA

4 - NYSDEC Part 703.6 Groundwater Effluent Limitations for Discharges to Class GA Waters

5 - Sewer Use Law of Monroe County. Daily Maximum Limit.

ND- Not detected above reporting limit

J- value is estimated



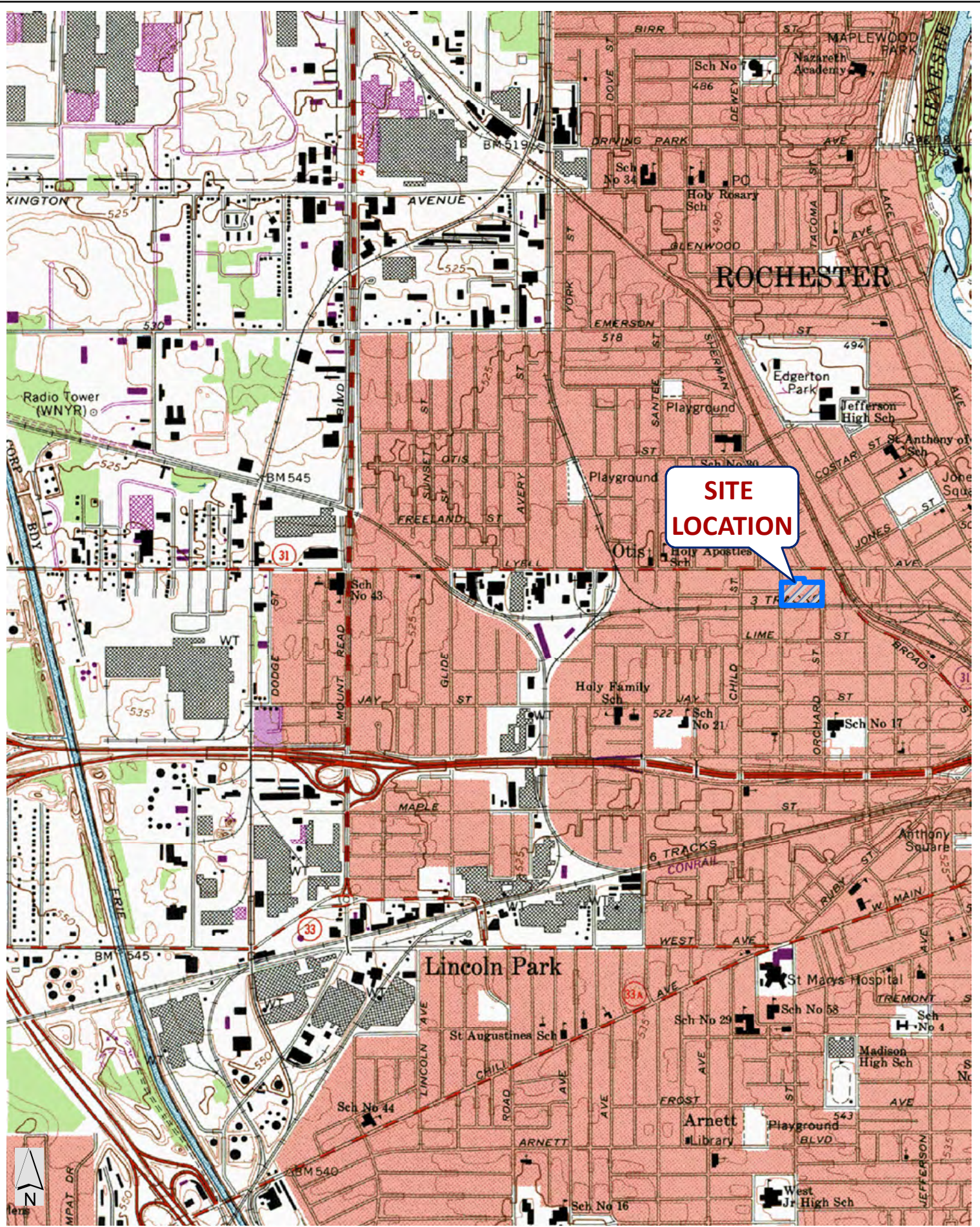
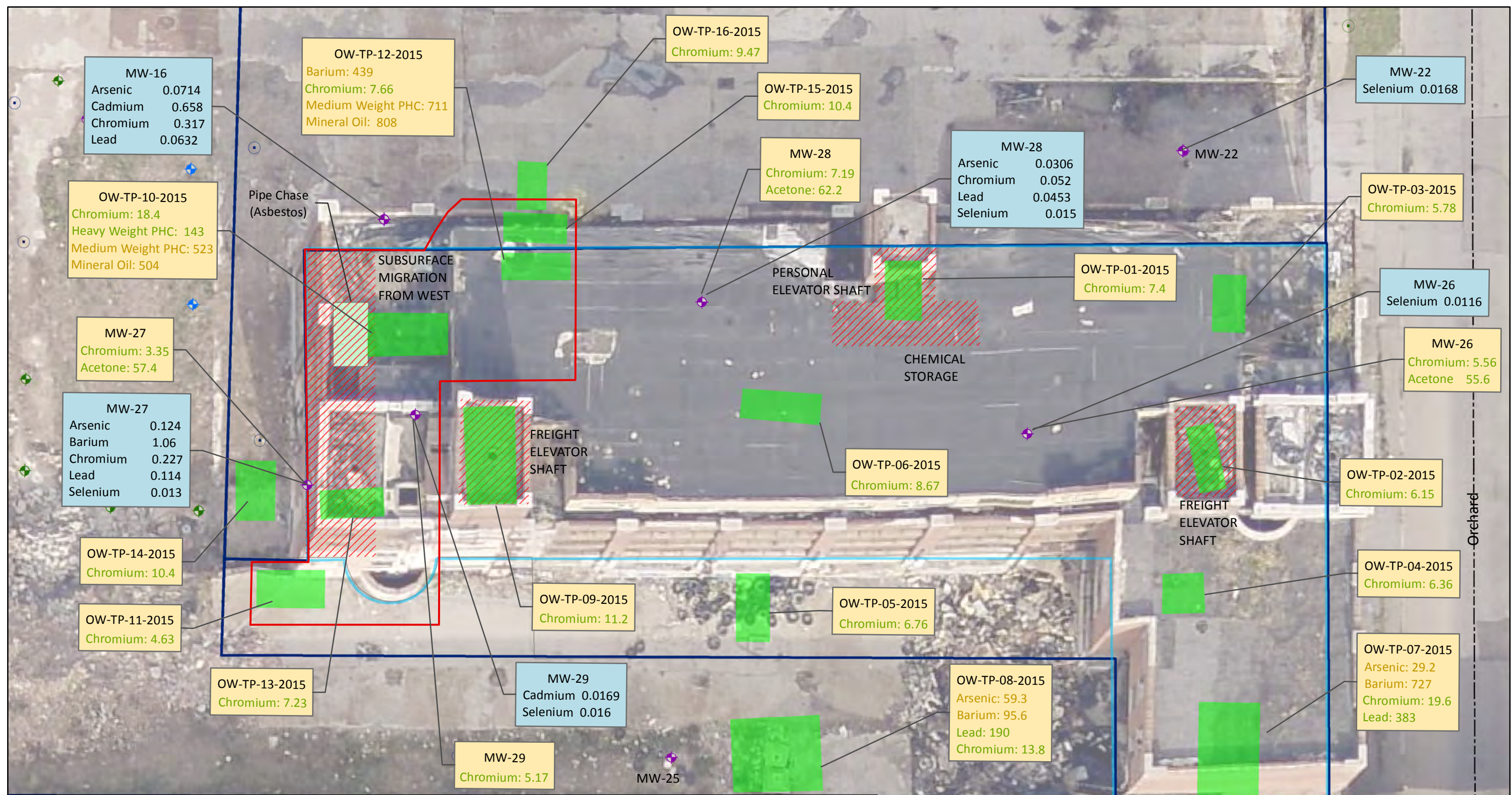


FIGURE 1.  
 ORCHARD WHITNEY SITE LOCATION  
 ERP SITE #EB28123  
 ROCHESTER, NY



**Legend**

- Monitoring Well
- Plating Area 1" well
- Plating Area 2" well
- Soil Boring
- Soil Sample
- Test Pit
- Pipe Chase (Asbestos)
- Property Line
- Test Pit Locations
- Suspected Areas Contaminated Soil/Groundwater Below 415 Orchard St.
- Monroe County Tax Parcel
- Value Exceeds Unrestricted SCOs
- Value Exceeds Commercial Use SCOs
- Groundwater Sample Results
- Soil Sample Results
- Area of Inferred Contamination Requiring Removal/Disposal Screening and Possible ( 3,353 sq. ft.)

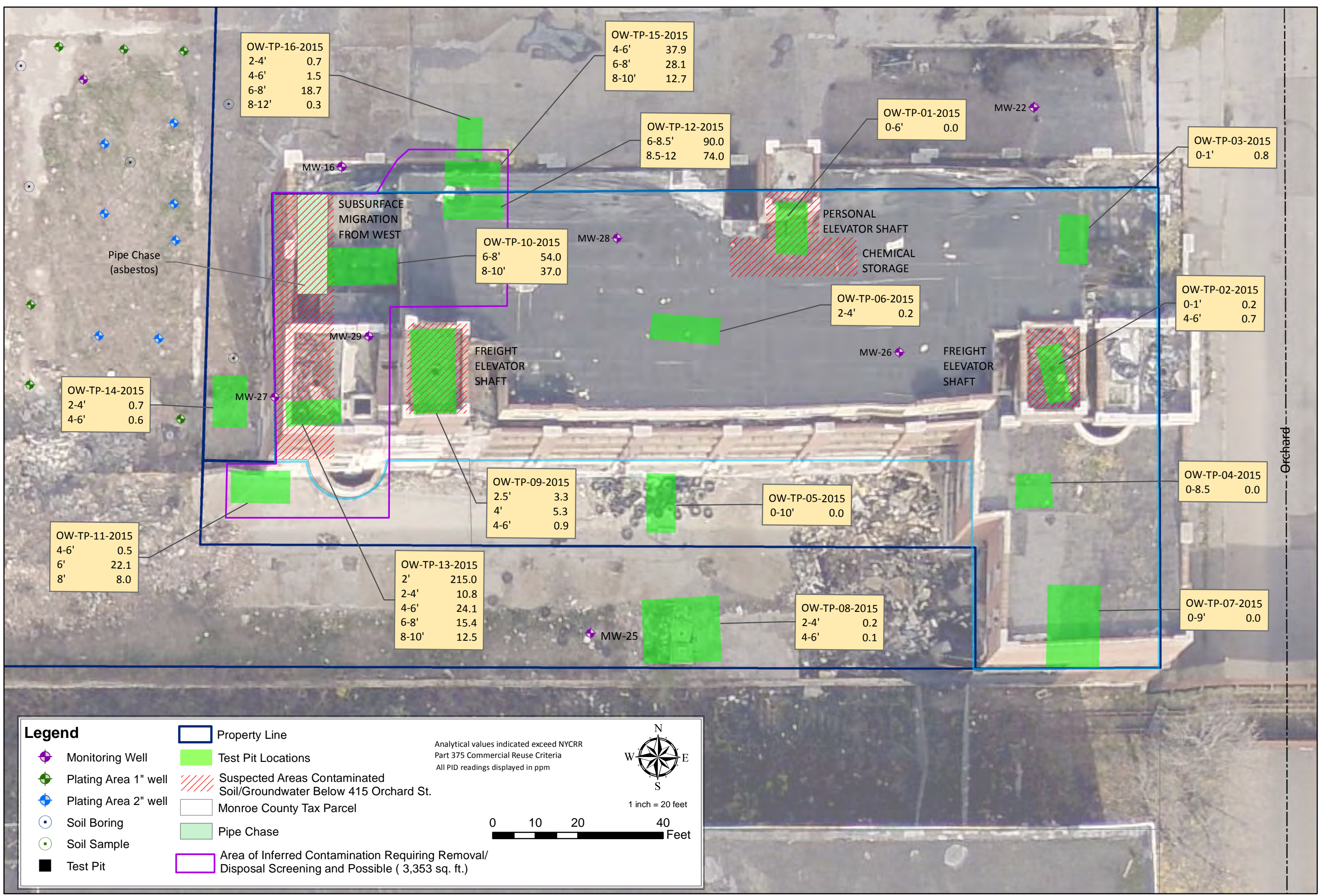
Analytical values indicated exceed NYCRR Part 375 Commercial Reuse Criteria

Water samples displayed in ug/L  
Soil sample data displayed in mg/kg

0 10 20 40 Feet 1 inch = 20 feet

DATE: NOVEMBER 2015  
 SCALE: AS NOTED  
 DRAWN/CHECKED: CSB/GLA  
 DATA SOURCE: PICTOMETRY

**Figure 2. Test Pit and Monitoring Well Analytical Exceedances (Pre-IRM)**  
 415 ORCHARD STREET  
 ERP SITE #E828123  
 ROCHESTER, NY



OW-TP-16-2015

|       |      |
|-------|------|
| 2-4'  | 0.7  |
| 4-6'  | 1.5  |
| 6-8'  | 18.7 |
| 8-12' | 0.3  |

OW-TP-15-2015

|       |      |
|-------|------|
| 4-6'  | 37.9 |
| 6-8'  | 28.1 |
| 8-10' | 12.7 |

OW-TP-12-2015

|         |      |
|---------|------|
| 6-8.5'  | 90.0 |
| 8.5-12' | 74.0 |

OW-TP-01-2015

|      |     |
|------|-----|
| 0-6' | 0.0 |
|------|-----|

OW-TP-03-2015

|      |     |
|------|-----|
| 0-1' | 0.8 |
|------|-----|

OW-TP-10-2015

|       |      |
|-------|------|
| 6-8'  | 54.0 |
| 8-10' | 37.0 |

OW-TP-06-2015

|      |     |
|------|-----|
| 2-4' | 0.2 |
|------|-----|

OW-TP-02-2015

|      |     |
|------|-----|
| 0-1' | 0.2 |
| 4-6' | 0.7 |

OW-TP-14-2015

|      |     |
|------|-----|
| 2-4' | 0.7 |
| 4-6' | 0.6 |

OW-TP-09-2015

|      |     |
|------|-----|
| 2.5' | 3.3 |
| 4'   | 5.3 |
| 4-6' | 0.9 |

OW-TP-05-2015

|       |     |
|-------|-----|
| 0-10' | 0.0 |
|-------|-----|

OW-TP-04-2015

|        |     |
|--------|-----|
| 0-8.5' | 0.0 |
|--------|-----|

OW-TP-11-2015

|      |      |
|------|------|
| 4-6' | 0.5  |
| 6'   | 22.1 |
| 8'   | 8.0  |

OW-TP-13-2015

|       |       |
|-------|-------|
| 2'    | 215.0 |
| 2-4'  | 10.8  |
| 4-6'  | 24.1  |
| 6-8'  | 15.4  |
| 8-10' | 12.5  |

OW-TP-08-2015

|      |     |
|------|-----|
| 2-4' | 0.2 |
| 4-6' | 0.1 |

OW-TP-07-2015

|      |     |
|------|-----|
| 0-9' | 0.0 |
|------|-----|

**Legend**

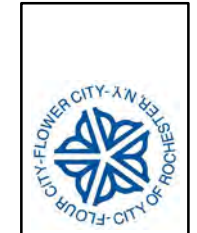
- Monitoring Well
- Plating Area 1" well
- Plating Area 2" well
- Soil Boring
- Soil Sample
- Test Pit
- Property Line
- Test Pit Locations
- Suspected Areas Contaminated Soil/Groundwater Below 415 Orchard St.
- Monroe County Tax Parcel
- Pipe Chase
- Area of Inferred Contamination Requiring Removal/Disposal Screening and Possible ( 3,353 sq. ft.)

Analytical values indicated exceed NYCRR Part 375 Commercial Reuse Criteria  
All PID readings displayed in ppm

1 inch = 20 feet

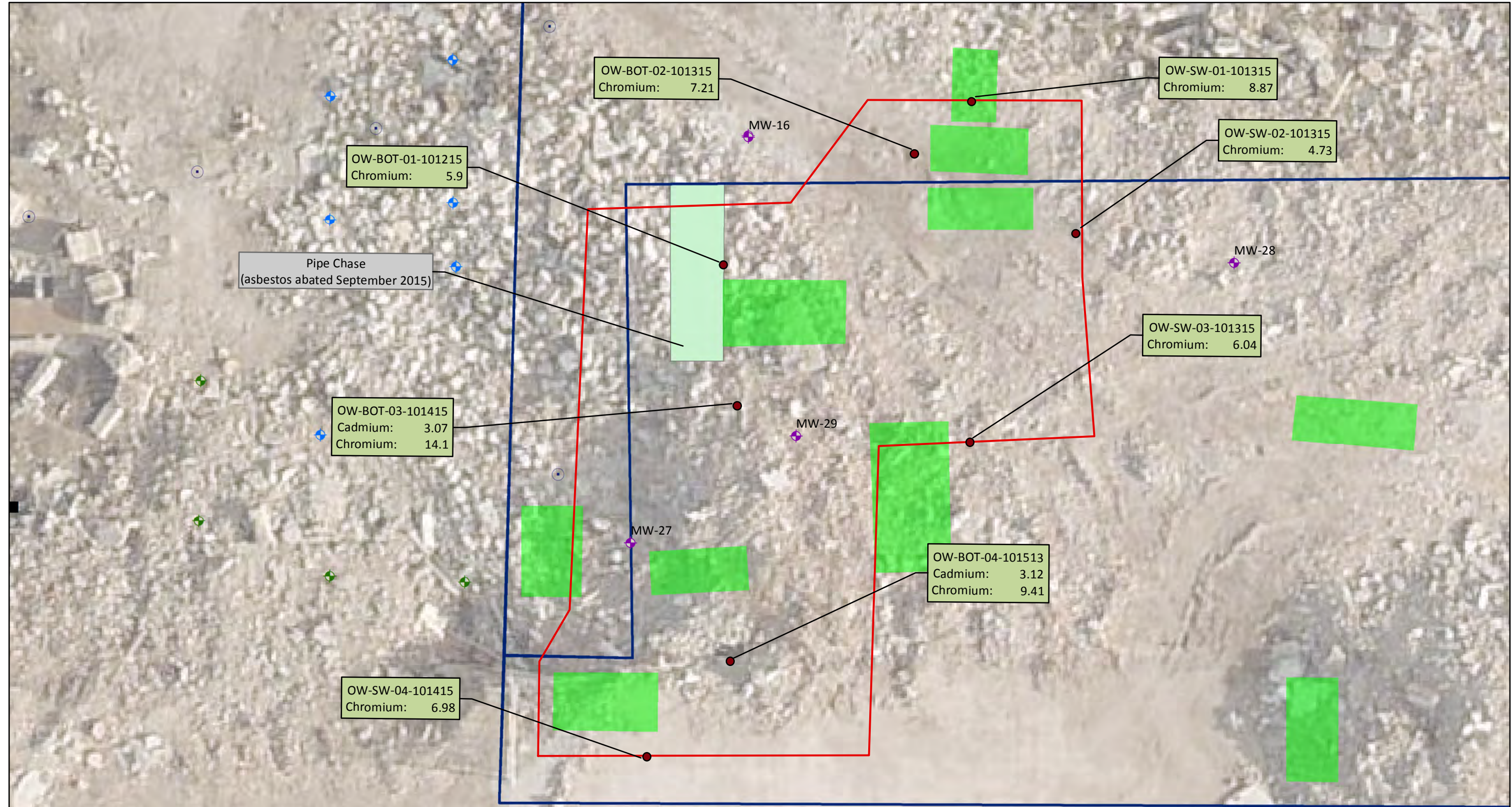
0 10 20 40 Feet

DATE: NOVEMBER 2015  
SCALE: AS NOTED  
DRAWN/CHECKED: CSB/GLA  
DATA SOURCE: PICTOMETRY



**Figure 3. PID Readings and Depths (Pre-IRM)**  
415 ORCHARD STREET  
ERP SITE #E828123  
ROCHESTER, NY





OW-BOT-01-101215  
Chromium: 5.9

OW-BOT-02-101315  
Chromium: 7.21

OW-SW-01-101315  
Chromium: 8.87

OW-SW-02-101315  
Chromium: 4.73

Pipe Chase  
(asbestos abated September 2015)

OW-BOT-03-101415  
Cadmium: 3.07  
Chromium: 14.1

OW-SW-03-101315  
Chromium: 6.04

MW-27

MW-29

OW-BOT-04-101513  
Cadmium: 3.12  
Chromium: 9.41

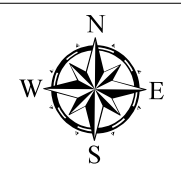
OW-SW-04-101415  
Chromium: 6.98

MW-25

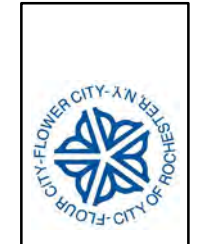
- Legend**
- Monitoring Well
  - Confirmatory Sample Locations
  - Property Line
  - Area of Contamination Removal
  - Value Exceeds Unrestricted SCOs
  - Pipe Chase
  - Test Pit Locations

Analytical values indicated exceed NYCRR  
Part 375 Commercial Reuse Criteria  
All PID readings displayed in ppm

0 5 10 20 Feet  
1 inch = 13 feet

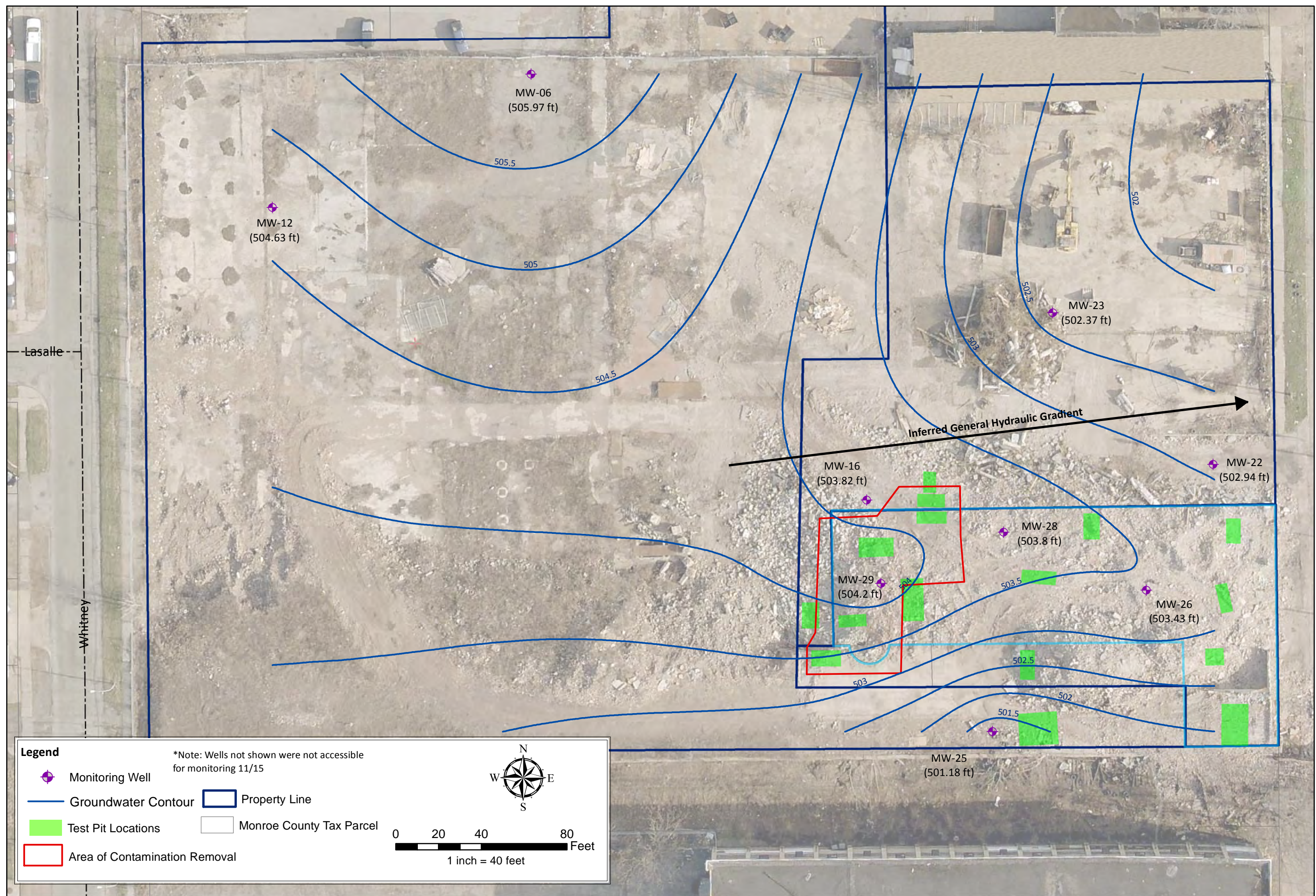


DATE: NOVEMBER 2015  
SCALE: AS NOTED  
DRAWN/CHECKED: CSB/GLA  
DATA SOURCE: PICTOMETRY



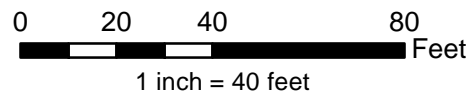
**Figure 4. IRM-EXCAVATION LIMITS  
& CONFIRMATORY SAMPLE LOCATIONS**  
ERP SITE #E828123  
ROCHESTER, NY



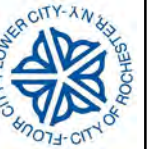


- Legend**
- Monitoring Well
  - Groundwater Contour
  - Test Pit Locations
  - Area of Contamination Removal
  - Property Line
  - Monroe County Tax Parcel

\*Note: Wells not shown were not accessible for monitoring 11/15



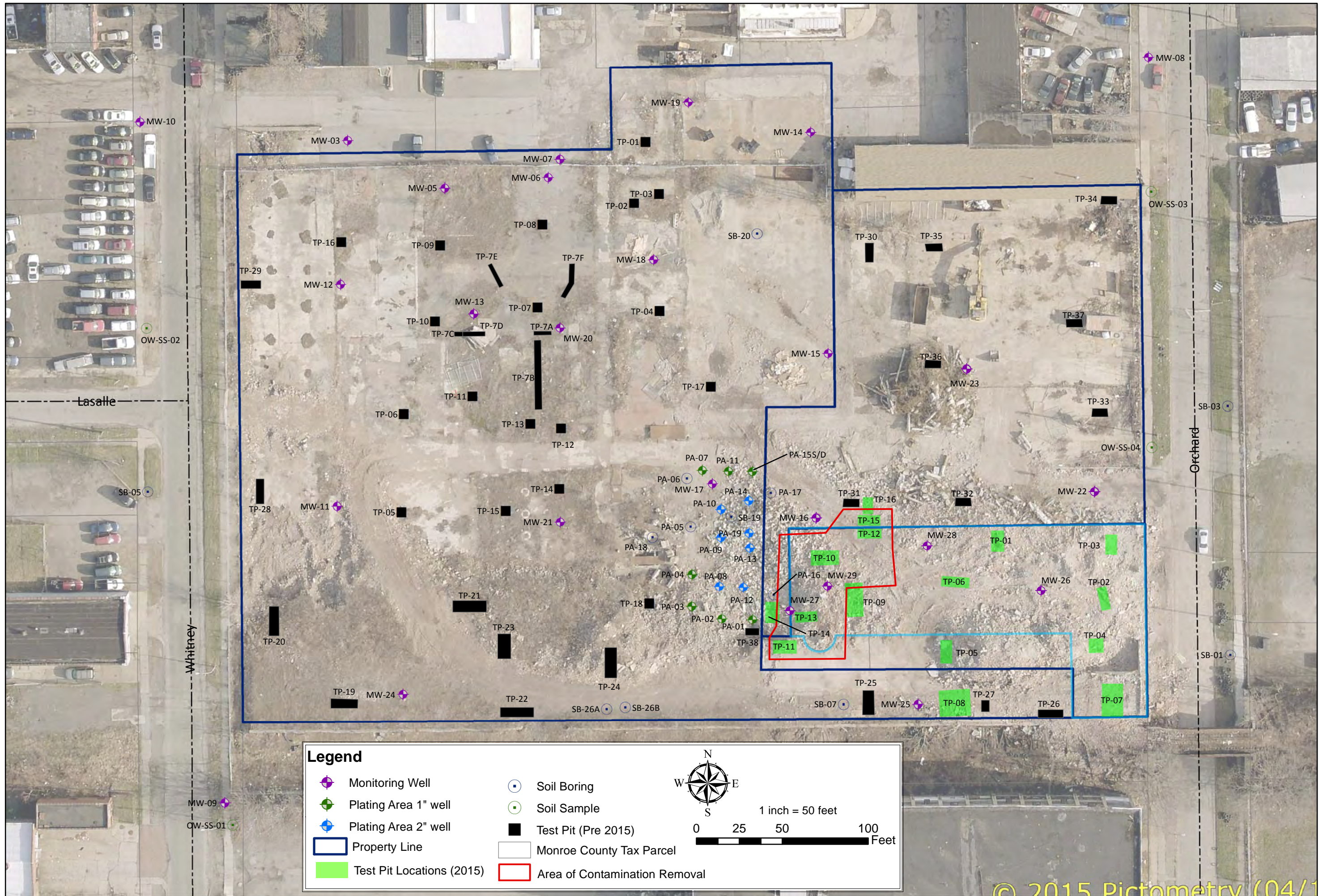
DATE: NOVEMBER 2015  
 SCALE: AS NOTED  
 DRAWN/CHECKED: CSB/GLA  
 DATA SOURCE:  
 PICTOMETRY



**Figure 5. Groundwater Contour Map for Entire Site**  
 415 ORCHARD STREET  
 ERP SITE #E828123  
 ROCHESTER, NY

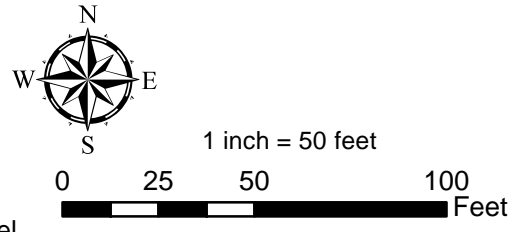






**Legend**

- |                           |                               |
|---------------------------|-------------------------------|
| Monitoring Well           | Soil Boring                   |
| Plating Area 1" well      | Soil Sample                   |
| Plating Area 2" well      | Test Pit (Pre 2015)           |
| Property Line             | Monroe County Tax Parcel      |
| Test Pit Locations (2015) | Area of Contamination Removal |



DATE: November 2015  
 SCALE: 1 in = 50 ft  
 DRAWN/CHECKED: CSB/GLA  
 DATA SOURCE: PICTOMETRY



**Figure 6. Site Wide and IRM Test Pit Location Map**

415 ORCHARD STREET

ERP SITE #E828123  
 ROCHESTER, NY





## Appendix A – Site Survey/Metes and Bounds Description

**ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36  
OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW**

**THIS INDENTURE** made this 26<sup>th</sup> day of September, 2016, between Owner(s) City of Rochester, having an office at 30 Church Street, Rochester, New York 14614-1290, County of Monroe, State of New York (the "Grantor"), and The People of the State of New York (the "Grantee."), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

**WHEREAS**, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

**WHEREAS**, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

**WHEREAS**, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

**WHEREAS**, Grantor, is the owner of real property located at the address of 354 Whitney Street in the City of Rochester, County of Monroe and State of New York, known and designated on the tax map of the County Clerk of Monroe as tax map parcel numbers: Section 105.66 Block 3 Lot 24, being the same as that property conveyed to Grantor by deed dated August 15, 2006 and recorded in the Monroe County Clerk's Office in Liber and Page 10342/568. The property subject to this Environmental Easement (the "Controlled Property") comprises approximately 2.771 +/- acres, and is hereinafter more fully described in the Land Title Survey dated December 22, 2015 and last revised August 2, 2016 prepared by Daniel J. MacDonald, P.L.S., which will be attached to the Site Management Plan. The Controlled Property description is set forth in and attached hereto as Schedule A, and is identified as Parcel A;

**WHEREAS**, Grantor, is the owner of real property located at the address of 415 Orchard Street in the City of Rochester, County of Monroe and State of New York, known and designated on the tax map of the County Clerk of Monroe as tax map parcel numbers: Section 105.66 Block

3 Lot 23, being the same as that property conveyed to Grantor by deed dated December 29, 2008 and recorded in the Monroe County Clerk's Office in Liber and Page 10705/335. The property subject to this Environmental Easement (the "Controlled Property") comprises approximately 1.302 +/- acres, and is hereinafter more fully described in the Land Title Survey dated December 22, 2015 and last revised August 2, 2016 prepared by Daniel J. MacDonald, P.L.S., which will be attached to the Site Management Plan. The Controlled Property description is set forth in and attached hereto as Schedule A, and is identified as Parcel B; and

**WHEREAS**, the Department accepts this Environmental Easement in order to ensure the protection of public health and the environment and to achieve the requirements for remediation established for the Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36; and

**NOW THEREFORE**, in consideration of the mutual covenants contained herein and the terms and conditions of State Assistance Contract Number: C303000, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement").

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

A. (1) The Controlled Property may be used for:

**Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)**

(2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);

(3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP;

(4) The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Monroe County Department of Health to render it safe for use as drinking water or for industrial purposes, and

the user must first notify and obtain written approval to do so from the Department;

(5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(6) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

(7) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

(8) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

(9) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP;

(10) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The Controlled Property shall not be used for Residential or Restricted Residential purposes as defined in 6NYCRR 375-1.8(g)(2)(i) and (ii), and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Site Control Section  
Division of Environmental Remediation  
NYSDEC  
625 Broadway  
Albany, New York 12233  
Phone: (518) 402-9553

D. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

E. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the

property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

**This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation Law.**

F. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

G. Grantor covenants and agrees that it shall, at such time as NYSDEC may require, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individual set forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

(i) are in-place;

(ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved by the NYSDEC and that all controls are in the Department-approved format; and

(iii) that nothing has occurred that would impair the ability of such control to protect the public health and environment;

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls;

(5) the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and

(7) the information presented is accurate and complete.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:

A. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

B. The right to give, sell, assign, or otherwise transfer part or all of the underlying fee interest to the Controlled Property, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person violates this Environmental Easement, the Grantee may revoke the Certificate of Completion with respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach, and Grantee may take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement, including the commencement of any proceedings in accordance with applicable law.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar any enforcement rights.

6. Notice. Whenever notice to the Grantee (other than the annual certification) or approval from the Grantee is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information:

County, NYSDEC Site Number, NYSDEC Brownfield Cleanup Agreement, State Assistance Contract or Order Number, and the County tax map number or the Liber and Page or computerized system identification number.

Parties shall address correspondence to:      Site Number: E828123  
Office of General Counsel  
NYSDEC  
625 Broadway  
Albany New York 12233-5500

With a copy to:                                              Site Control Section



Division of Environmental Remediation  
NYSDEC  
625 Broadway  
Albany, NY 12233

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. Any amendment to this Environmental Easement may only be executed by the Commissioner of the New York State Department of Environmental Conservation or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

**Remainder of Page Intentionally Left Blank**

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

City of Rochester:

By: 

Print Name: MARK D GREGOR

Title: MANAGER DEQ Date: 9-13-16

**Grantor's Acknowledgment**

STATE OF NEW YORK    )  
                                  ) ss:  
COUNTY OF Monroe    )


On the 13<sup>th</sup> day of Sept, in the year 2016, before me, the undersigned, personally appeared Mark D. Gregor, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

  
Notary Public - State of New York

VICKI BRAWN  
Notary Public in the State of New York  
MONROE COUNTY  
Commission Expires August 18, 2018  
01BR486858

**THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK**, Acting By and Through the Department of Environmental Conservation as Designee of the Commissioner.

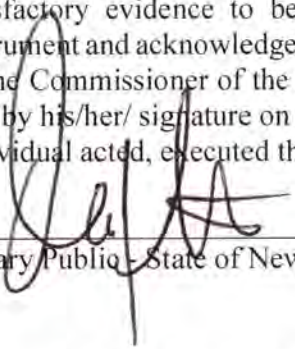
By:

  
\_\_\_\_\_  
Robert W. Schick, Director  
Division of Environmental Remediation

**Grantee's Acknowledgment**

STATE OF NEW YORK    )  
                                  ) ss:  
COUNTY OF ALBANY    )

On the 26<sup>th</sup> day of September, in the year 2016, before me, the undersigned, personally appeared Robert W. Schick, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

  
\_\_\_\_\_  
Notary Public - State of New York

**David J. Chiusano**  
**Notary Public, State of New York**  
No. 01CH5032146  
Qualified in Schenectady County  
Commission Expires August 22, 2018

**SCHEDULE "A" PROPERTY DESCRIPTION**

**PARCEL A (354 WHITNEY STREET)**

ALL THAT TRACT OR PARCEL OF LAND SITUATE IN THE CITY OF ROCHESTER, COUNTY OF MONROE, STATE OF NEW YORK, BEING PART OF TOWN LOT 62, 20,000 ACRE TRACT, TOWNSHIP 1, SHORT RANGE, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT AN IRON PIN IN THE EASTERLY LINE OF WHITNEY STREET WHICH IRON PIN IS LOCATED 499.44 FEET SOUTH OF THE INTERSECTION OF THE EASTERLY LINE OF WHITNEY STREET WITH THE SOUTH LINE OF LYELL AVENUE; THENCE

- 1) NORTHERLY ALONG THE EASTERLY LINE OF WHITNEY STREET A DISTANCE OF 332.28 FEET TO A POINT; THENCE
- 2) EASTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 89°55'44" A DISTANCE OF 218.98 FEET TO A POINT; THENCE
- 3) NORTHERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 270°04'00" A DISTANCE OF 48.43 FEET TO A POINT; THENCE
- 4) EASTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 90°01'10" A DISTANCE OF 128.51 FEET TO A POINT; THENCE
- 5) SOUTHERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 90°00'00" A DISTANCE OF 200.20 FEET TO A POINT; THENCE
- 6) WESTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 90°00'20" A DISTANCE OF 40.20 FEET TO A POINT; THENCE
- 7) SOUTHERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 270°00'40" A DISTANCE 132.45 FEET TO A POINT; THENCE
- 8) EASTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 269°57'00" A DISTANCE OF 26.08 FEET TO A POINT; THENCE
- 9) SOUTHEASTERLY ON A CURVE TO THE LEFT, HAVING A RADIUS OF 7.44 FEET, A DISTANCE OF 18.46 FEET TO A POINT, SAID POINT BEING 14 FEET FROM THE END OF COURSE #8 EXTENDED; THENCE
- 10) EASTERLY ON THE LINE OF COURSE #8 EXTENDED, A DISTANCE OF 20.43 FEET TO A POINT; THENCE
- 11) SOUTHERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 90°00'00" A DISTANCE OF 20.58 FEET TO A POINT; THENCE
- 12) EASTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 270°00'00" A DISTANCE OF 118.06 FEET TO A POINT; THENCE
- 13) SOUTHERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 89°43'50" A DISTANCE OF 28.18 FEET TO A POINT; THENCE
- 14) WESTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 90°10'10" A DISTANCE OF 485.84 FEET TO THE POINT AND PLACE OF BEGINNING.

CONTAINING AN AREA OF APPROXIMATELY 120,697 SQUARE FEET OR 2.771 ACRES MORE OR LESS.

**PARCEL B (415 ORCHARD STREET)**

ALL THAT TRACT OR PARCEL OF LAND SITUATE IN THE CITY OF ROCHESTER, COUNTY OF MONROE, STATE OF NEW YORK, BEING PART OF TOWN LOT 62, 20,000 ACRE TRACT, TOWNSHIP 1, SHORT RANGE, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE WEST LINE OF ORCHARD STREET 192.42 FEET DISTANT SOUTH OF THE INTERSECTION OF THE INTERSECTION OF LYELL AVENUE WITH THE WEST LINE OF ORCHARD STREET; RUNNING THENCE THE FOLLOWING BEARINGS AND DISTANCES: THENCE

- 1) SOUTH ALONG THE WEST LINE OF ORCHARD STREET A DISTANCE OF 308.22 FEET TO ITS INTERSECTION WITH THE NORTH LINE OF LANDS NOW OR FORMERLY OF THE NEW YORK CENTRAL RAILROAD; THENCE
- 2) WEST AT AN INTERIOR ANGLE WITH COURSE No. 1 OF 89°53'50" AND ALONG THE NORTH LINE OF SAID NEW YORK CENTRAL RAILROAD LANDS A DISTANCE OF 42.49 FEET TO A POINT; THENCE
- 3) NORTH AT AN INTERIOR ANGLE WITH COURSE No. 2 OF 89°49'35" A DISTANCE OF 28.18 FEET; THENCE
- 4) WEST AT AN INTERIOR ANGLE WITH COURSE No. 3 OF 270°16'10" A DISTANCE OF 118.06 FEET; THENCE
- 5) NORTH AT AN INTERIOR ANGLE WITH COURSE No. 4 OF 90°00'00" A DISTANCE OF 20.58 FEET; THENCE
- 6) WEST AT AN INTERIOR ANGLE WITH COURSE No. 5 OF 270°00'00" A DISTANCE OF 20.43 FEET; THENCE
- 7) NORTHWESTERLY ON A CURVE TO THE RIGHT, A DISTANCE OF 18.23 FEET ON A CURVE HAVING A RADIUS OF 7.44 FEET; THENCE
- 8) WEST AND A CONTINUATION OF COURSE No. 6 A DISTANCE OF 26.08 FEET; THENCE
- 9) NORTH AT AN INTERIOR ANGLE WITH COURSE No. 8 OF 90°03'00" A DISTANCE OF 132.45 FEET; THENCE
- 10) EAST AT AN INTERIOR ANGLE WITH COURSE No. 9 OF 89°59'20" A DISTANCE OF 40.20; THENCE
- 11) NORTH AT AN INTERIOR ANGLE WITH COURSE No. 10 OF 269°59'40" A DISTANCE OF 126.20 FEET; THENCE
- 12) EAST AT AN INTERIOR ANGLE WITH COURSE No. 11 OF 90°11'30" A DISTANCE OF 180.86 FEET TO THE PLACE OF THE BEGINNING. THE LAST COURSE MAKING AN INTERIOR ANGLE WITH THE FIRST COURSE OF 89°46'51" TO THE POINT OR PLACE OF BEGINNING.

CONTAINING AN AREA OF APPROXIMATELY 56,702 SQUARE FEET OR 1.302 ACRES MORE OR LESS.

EASEMENT DESCRIPTION:

PARCEL B

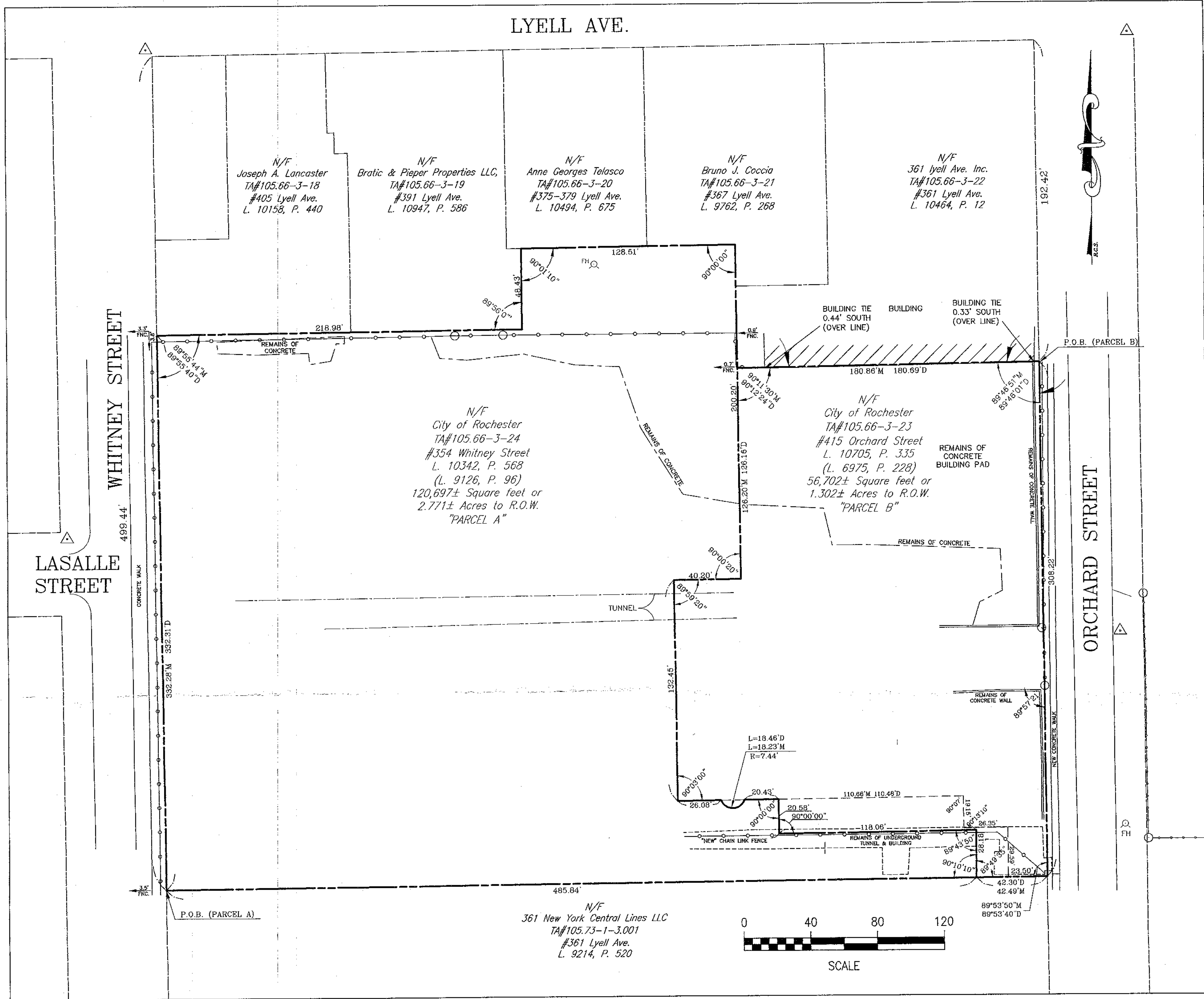
EASEMENT DESCRIPTION:

PARCEL B

ALL THAT TRACT OR PARCEL OF LAND SITUATE IN THE CITY OF ROCHESTER, COUNTY OF MONROE, STATE OF NEW YORK, BEING PART OF TOWN LOT 62, 20,000 ACRE TRACT, TOWNSHIP 1, SHORT RANGE, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE WEST LINE OF ORCHARD STREET 192.42 FEET DISTANT SOUTH OF THE INTERSECTION OF THE INTERSECTION OF LYELL AVENUE WITH THE WEST LINE OF ORCHARD STREET; RUNNING THENCE THE FOLLOWING BEARINGS AND DISTANCES: THENCE

- 1) SOUTH ALONG THE WEST LINE OF ORCHARD STREET A DISTANCE OF 308.22 FEET TO ITS INTERSECTION WITH THE NORTH LINE OF LANDS NOW OR FORMERLY OF THE NEW YORK CENTRAL RAILROAD; THENCE
2) WEST AT AN INTERIOR ANGLE WITH COURSE No. 1 OF 89°53'50" AND ALONG THE NORTH LINE OF SAID NEW YORK CENTRAL RAILROAD LANDS A DISTANCE OF 42.49 FEET TO A POINT; THENCE
3) NORTH AT AN INTERIOR ANGLE WITH COURSE No. 2 OF 89°49'35" A DISTANCE OF 28.18 FEET; THENCE
4) WEST AT AN INTERIOR ANGLE WITH COURSE No. 3 OF 270°16'10" A DISTANCE OF 118.06 FEET; THENCE
5) NORTH AT AN INTERIOR ANGLE WITH COURSE No. 4 OF 90°00'00" A DISTANCE OF 20.58 FEET; THENCE
6) WEST AT AN INTERIOR ANGLE WITH COURSE No. 5 OF 270°00'00" A DISTANCE OF 20.43 FEET; THENCE
7) NORTHWESTERLY ON A CURVE TO THE RIGHT, A DISTANCE OF 18.23 FEET ON A CURVE HAVING A RADIUS OF 7.44 FEET; THENCE
8) WEST AND A CONTINUATION OF COURSE No. 6 A DISTANCE OF 26.08 FEET; THENCE
9) NORTH AT AN INTERIOR ANGLE WITH COURSE No. 8 OF 90°03'00" A DISTANCE OF 132.45 FEET; THENCE
10) EAST AT AN INTERIOR ANGLE WITH COURSE No. 9 OF 89°59'20" A DISTANCE OF 40.20; THENCE
11) NORTH AT AN INTERIOR ANGLE WITH COURSE No. 10 OF 269°59'40" A DISTANCE OF 126.20 FEET; THENCE
12) EAST AT AN INTERIOR ANGLE WITH COURSE No. 11 OF 90°11'30" A DISTANCE OF 180.86 FEET TO THE PLACE OF BEGINNING, THE LAST COURSE MAKING AN INTERIOR ANGLE WITH THE FIRST COURSE OF 89°46'51" TO THE POINT OR PLACE OF BEGINNING.

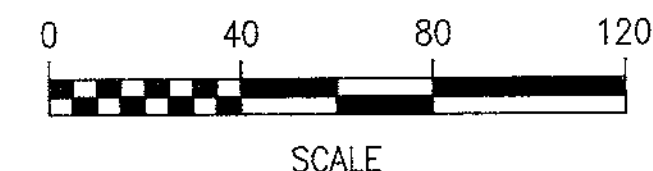


EASEMENT DESCRIPTION:

PARCEL A
ALL THAT TRACT OR PARCEL OF LAND SITUATE IN THE CITY OF ROCHESTER, COUNTY OF MONROE, STATE OF NEW YORK, BEING PART OF TOWN LOT 62, 20,000 ACRE TRACT, TOWNSHIP 1, SHORT RANGE, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

- 1) NORTHERLY ALONG THE EASTERLY LINE OF EASTERLY LINE OF WHITNEY STREET WHICH IRON PIN IS LOCATED 499.44 FEET SOUTH OF THE INTERSECTION OF THE EASTERLY LINE OF WHITNEY STREET WITH THE SOUTH LINE OF LYELL AVENUE; THENCE
2) NORTHERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 270°04'00" A DISTANCE OF 48.43 FEET TO A POINT; THENCE
3) EASTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 89°55'44" A DISTANCE OF 218.98 FEET TO A POINT; THENCE
4) NORTHERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 90°01'10" A DISTANCE OF 128.51 FEET TO A POINT; THENCE
5) SOUTHERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 90°00'00" A DISTANCE OF 200.20 FEET TO A POINT; THENCE
6) WESTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 90°00'20" A DISTANCE OF 40.20 FEET TO A POINT; THENCE
7) SOUTHERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 270°00'40" A DISTANCE 132.45 FEET TO A POINT; THENCE
8) EASTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 269°57'00" A DISTANCE OF 26.08 FEET TO A POINT; THENCE
9) SOUTHEASTERLY ON A CURVE TO THE LEFT, HAVING A RADIUS OF 7.44 FEET, A DISTANCE OF 18.46 FEET TO A POINT, SAID POINT BEING 14 FEET FROM THE END OF COURSE #8 EXTENDED; THENCE
10) EASTERLY ON THE LINE OF COURSE #8 EXTENDED, A DISTANCE OF 20.43 FEET TO A POINT; THENCE
11) SOUTHERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 90°00'00" A DISTANCE OF 20.58 FEET TO A POINT; THENCE
12) EASTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 270°00'00" A DISTANCE OF 118.06 FEET TO A POINT; THENCE
13) SOUTHERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 89°43'50" A DISTANCE OF 28.18 FEET TO A POINT; THENCE
14) WESTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 90°10'10" A DISTANCE OF 485.84 FEET TO THE POINT AND PLACE OF BEGINNING.

LEGEND
APPROXIMATE RIGHT-OF-WAY
EASEMENT BOUNDARIES
EXISTING BUILDING
EXISTING ADJOINING PROPERTY LINES
CHAIN LINK FENCE
SURVEY CONTROL POINT/MONUMENT
FIRE HYDRANT



Survey Notes & References:

- 1. Horizontal Datum is NAD 1983.
2. Coordinates were supplied by City of Rochester Survey Office.
3. Vertical Datum is NAVD 1988 also supplied by City of Rochester Survey Office.
4. Distances shown hereon are ground.
5. Deeds listed in Liber 10705, Page 335 recorded 01-05-09; Liber 10342, Page 568 recorded 08-17-06; Liber 10494, Page 675 recorded 07-30-07; Liber 9762, Page 268 recorded 03-27-03; Liber 10464, Page 12 recorded 05-23-07; Liber 10947, Page 586 recorded 12-02-10; Liber 10158, Page 440 recorded 07-22-05; Liber 9214, Page 520 recorded 09-16-99; Liber 9126, Page 96 recorded 02-19-99; Liber 6975, Page 228 recorded 09-16-86; Liber 9786, Page 105 recorded 05-16-03; Liber 7079, Page 98 recorded 03-10-87.
6. The last two recorded deeds for this parcel do not have a metes and bounds description.
7. There appears to be encumbrances that can not be plotted. These lie in Liber 4343 of Deeds Page 1 and Liber 5065 of Deeds Page 194.
8. There does not appear to be any restricted use zones or wetland areas delineated on this site at this time.

CERTIFICATION:
WE, JOSEPH C. LU ENGINEERS AND LAND SURVEYING, P.C. CERTIFY THAT THIS SURVEY MAP WAS PREPARED ON DECEMBER 22, 2015 FROM NOTES OF A SURVEY COMPLETED ON DECEMBER 18, 2015.

DANIEL J. MACDONALD, N.Y.S. P.L.S. 050613
9/8/16
DATE

THE PROPERTY IS SUBJECT TO AN ENVIRONMENTAL EASEMENT HELD BY THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION PURSUANT TO TITLE 36 OF ARTICLE 71 OF THE NEW YORK ENVIRONMENTAL CONSERVATION LAW. THE ENGINEERING AND INSTUTIONAL CONTROLS FOR THIS EASEMENT ARE SET FORTH IN MORE DETAIL IN THE SITE MANAGEMENT PLAN (SMP). A COPY OF THE SMP MUST BE OBTAINED BY ANY PARTY WITH AN INTEREST IN THE PROPERTY. THE SMP CAN BE OBTAINED FROM NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION, DIVISION OF ENVIRONMENTAL REMEDIATION, SITE CONTROL SECTION, 625 BROADWAY, ALBANY, NY 12233 OR AT derweb@dec.ny.gov

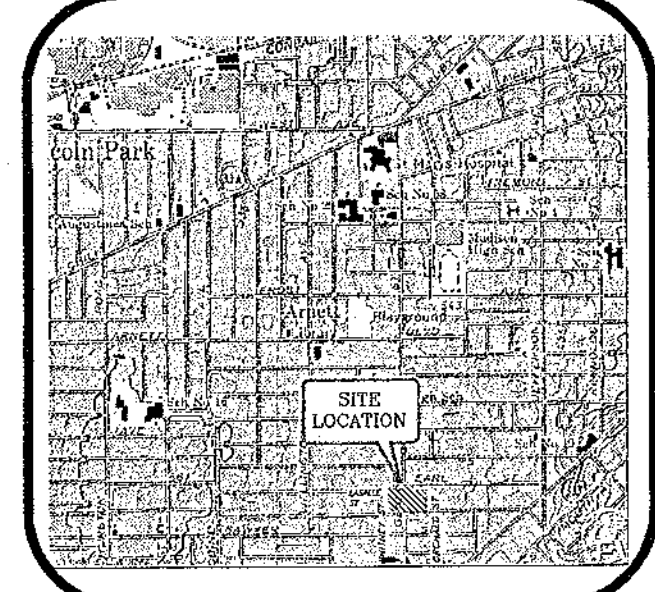


Table with columns: DATE, REVISIONS, BY. Row 1: 8/2/16 REVISED PARCEL "B" DESCRIPTION

DRAWING ALTERATION
Note: It is a violation of law for any person, unless they are acting under the direction of a licensed professional engineer, architect, landscape architect or land surveyor to alter an item in any way. If an item bearing the stamp of a licensed professional is altered, the altering engineer, architect, landscape architect or land surveyor shall stamp the document and include the notation "altered by" followed by their signature, the date of such alteration, and a specific description of the alteration.



BY: \_\_\_\_\_

DATE: \_\_\_\_\_

Lu Engineers
ENVIRONMENTAL • TRANSPORTATION • CIVIL
175 Sullys Trail, Suite 202
Pittsford, New York 14534
(585) 385-7417
Fax: (585) 385-3741
luengineers.com

PROJECT:
415 ORCHARD STREET & 354 WHITNEY STREET
ERP SITE #E828123
CITY OF ROCHESTER, COUNTY OF MONROE STATE OF NEW YORK

CLIENT:
CITY OF ROCHESTER
ROCHESTER, NEW YORK

DRAWING TITLE:
SHOWING EASEMENT TO N.Y.S.D.E.C. PARCELS A & B

Table with columns: DESIGNED BY, DRAWN BY, CHECKED BY, SHEET, SCALE, DATE, PROJECT No., DRAWING No.
Values: GA, DJM, AC, 1 OF 1, 1"=40', 12-22-15, 4216, SU-1

1. Copyright 1996, Lu Engineers All rights reserved. 2. Unauthorized alteration or addition to a survey map bearing a licensed land surveyor's seal is a violation of Section 7209, sub-section 2, of the New York State Education Law. 3. Only copies from the original of this survey marked with an original of the land surveyor's enclosed seal shall be considered valid true copies. 4. Certifications indicated hereon signify that this survey was prepared in accordance with the existing Code of Practice for Land Survey adopted by the New York State Association of Professional Land Surveyors, Inc. Said certification shall run only to the person for whom the survey is prepared, and on his behalf to the title company, governmental agency and lending institution listed hereon, and to the assignees of the lending institution. Certifications are not transferable to additional institutions or subsequent owners. 5. The location of underground improvements or encroachments, if any exist or are shown hereon, are not certified. 6. This map may not be used in connection with a "Survey Affidavit" or similar document, statement or declaration to obtain title insurance for any subsequent or future grantee. \* FORTINQUE: New York State Education Law Section 7209 states that all plans, specifications, and reports prepared by such land surveyors of by a full time or part time subordinate under his/her supervision shall be stamped with such seal and shall also be signed on the original with the personal signature of the land surveyor when filed with public officials.

## Appendix B – Test Pit Logs

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## Test Pit Log

Test Pit No. TP-1

Equipment Used: KOMATSU HAMMER  
DOSE BELANDER

Project: Orchard-Whitney SSI

Weather: SUN, CLEAR Temp.: 75°

Lu Project No.: 4216-06

Date: 7/13/15

Field Engineer/Geologist: ARI CHAKRABORTY

Test Pit Dimensions: 15' x 8' x 6' (Approx.)  
Length Width Depth

| Depth | PID Reading | Description                                                           |
|-------|-------------|-----------------------------------------------------------------------|
| 0-1'  | 0.0         | CONCRETE SLAB                                                         |
| 1-2   | 0.0         | SANDY, LOW MOISTURE, MED-BROWN,<br>LOW AGGREGATE.                     |
| 2-4   | 0.0         | BOTTOM OF ELEVATOR SLANT, BROKEN<br>TURBU, SOIL = SANDY, LOW MOISTURE |
| 4-6   | 0.0         | SANDY, LOW-MOISTURE, MED-BROWN,<br>LOW AGGREGATE                      |
|       |             |                                                                       |

### Comments

- No rock encountered; or  
 Rock encountered at \_\_\_\_\_ feet  
 Perch/Seepage water encountered at \_\_\_\_\_ feet  
 No groundwater encountered; or  
 Ground water encountered at \_\_\_\_\_ feet

Remarks: SAMPLE COLLECTION @ 0940 ID: OW-TP-01

PID: 0.0 ppm



## Test Pit Log

Test Pit No. TP-2

Equipment Used: KOMATSU HAMMOCK  
DIGGER EXCAVATOR

Project: Orchard-Whitney SSI

Weather: SUN, CLEAR Temp.: 80°

Lu Project No.: 4216-06

Date: 7/13/15

Field Engineer/Geologist: ARI CHOLEWICKI

Test Pit Dimensions:  $\frac{12'}{\text{Length}} \times \frac{12'}{\text{Width}} \times \frac{9'}{\text{Depth}}$  (Approx.)

| Depth | PID Reading | Description                                                                    |
|-------|-------------|--------------------------------------------------------------------------------|
| 0-1+  | 0.2         | CONCRETE                                                                       |
| 2-4   | 0.0         | SANDY, RED-BROWN, MOIST SOIL<br>SMALL SIZE AGGREGATES.                         |
| 4-6   | 0.7         | CONCRETE SLAB @ BASE of elevator<br>VAULT. Brown up, exposed sandy, moist soil |
| 6-9   | 0.0         | SANDY, moist, soil                                                             |
|       |             |                                                                                |

### Comments

- No rock encountered; or
- Rock encountered at \_\_\_\_\_ feet
- Perch/Seepage water encountered at \_\_\_\_\_ feet
- No groundwater encountered; or
- Ground water encountered at \_\_\_\_\_ feet

Remarks: SAMPLE OW-TP-02 CONCRETE @ 1045

PID 0.0 ppm

## Test Pit Log

Test Pit No. TP-3

Equipment Used: KOMATSU HAMMER  
DEEPS EXC.

Project: Orchard-Whitney SSI

Lu Project No.: 4216-06

Weather: SUN CLEAR Temp.: 80°

Date: 7/13/15

Field Engineer/Geologist: ALI CHEN

Test Pit Dimensions:  $\frac{10}{\text{Length}} \times \frac{7.5}{\text{Width}} \times \frac{10}{\text{Depth}}$  (approx)

| Depth | PID Reading | Description                                                                   |
|-------|-------------|-------------------------------------------------------------------------------|
| 0-1'  | 0.8         | CONCRETE - SOME PURPLE STAINING ON THE CONCRETE, ASH/CINDER MAT'L BENEATH     |
| 1-5'  | 0.0         | SANDY, CLAYEY, LOW MOISTURE, LOW ABBREASION SOIL HAS SOME (MINIMAL) ASH MAT'L |
| 5-8   | 0.0         | SANDY, CLAYEY, SOME SUBT PETROL. ODDOR - NO READINGS ON PID.                  |
| 8-10  | 0.0         | SANDY, LOW MOIST. SOIL                                                        |
|       |             |                                                                               |

### Comments

- No rock encountered; or
- Rock encountered at \_\_\_\_\_ feet
- Perch/Seepage water encountered at \_\_\_\_\_ feet
- No groundwater encountered; or
- Ground water encountered at \_\_\_\_\_ feet

Remarks: SAMPLE OW-TP-03 COLLECTED @ 1205

## Test Pit Log

Test Pit No. TP-4

Equipment Used: KOMATSU HAMMER  
DEEP EXC.

Project: Orchard-Whitney SSI

Lu Project No.: 4216-06

Weather: SUN, CLEAR, HOT Temp.: 85°

Date: 7/13/15

Field Engineer/Geologist: Ali Ghobadipour

Test Pit Dimensions: 12.5' x 8' x 8.5'  
Length Width Depth

| Depth | PID Reading | Description                                                                    |
|-------|-------------|--------------------------------------------------------------------------------|
| 0-1+  | 0.0         | CONCRETE SLAB                                                                  |
| 2-4   | 0.0         | SANDY, LOW MOISTURE SOIL. CONCRETE PIPE ENCOUNTERED IN NORTH OF EXC. NOT DISCU |
| 4-8.5 | 0.0         | SANDY, LOW MOISTURE, MED-BROWN, LOW AGGREGATE ANTI SOIL                        |
|       |             |                                                                                |
|       |             |                                                                                |

### Comments

- No rock encountered; or  
 Rock encountered at 8.5 feet  
 Perch/Seepage water encountered at \_\_\_\_\_ feet  
 No groundwater encountered; or  
 Ground water encountered at \_\_\_\_\_ feet

Remarks: SAMPLE DW-TP-04 COLLECTED @ 1325

0.0 ppm

# Test Pit Log

Test Pit No. TP-5

Equipment Used: KOMATSU HAMMER  
DEEP EXC.

Project: Orchard-Whitney SSI

Lu Project No.: 4216-06

Weather: SUN, HOT Temp.: 85 °

Date: 7/13/15

Field Engineer/Geologist: Ali CUCERMEZ

Test Pit Dimensions: 14' x 6.5' x 10'  
 Length Width Depth

| Depth | PID Reading | Description                                                                |
|-------|-------------|----------------------------------------------------------------------------|
| 0-2   | 0.0         | LOPCASTE, MED-BROWN SANDY SOIL.                                            |
| 2-4   | 0.0         | MED BROWN, LOW MOISTURE SANDY SOIL.<br>PIPES ENCOUNTERED - NO PID READINGS |
| 4-6   | 0.0         | Some large boulders, sandy, med-brown soil.                                |
| 6-10  | 0.0         | SANDY, MED-BROWN, CLAYEY, HIGH MOISTURE, LOW ABUNDANCE.                    |
|       |             |                                                                            |

**Comments**

- No rock encountered; or
- Rock encountered at 10 feet
- Perch/Seepage water encountered at 10 feet
- No groundwater encountered; or
- Ground water encountered at 10 feet

Remarks: Pipe diameters - 2" + 4" both running N-S.

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## Test Pit Log

Test Pit No. TP-6

Equipment Used: DUCE HAMMER DRILL  
DEERE EXCAVATOR

Project: Orchard-Whitney SSI

Lu Project No.: 4216-06

Weather: CLOUDY HUMID Temp.: 72°

Date: 7/14/15

Field Engineer/Geologist: ARI CHEGEMSKY

Test Pit Dimensions: 15' x 8' x 12' (Approx.)  
Length Width Depth

| Depth | PID Reading | Description                                                                        |
|-------|-------------|------------------------------------------------------------------------------------|
| 0-2   | 0.0         | CONCRETE, ASH/FILL MATERIALS. → RED/BROWN CLAYEY SOIL                              |
| 2-4   | 0.2         | RED-BROWN CLAYEY SANDY SOIL; LOW MOISTURE - NAPHTHALENE ODOR                       |
| 4-8   | 0.0         | RED-BROWN SANDY SOIL, LOW MOISTURE, NO ODOR.                                       |
| 8-12  | 0.0         | WATER ENCOUNTERED RED-BROWN CLAYEY SAND. NAPHA. ODOR. SOME GREY CLAY @ LOWER DEPTH |
|       |             |                                                                                    |

### Comments

- No rock encountered; or
- Rock encountered at 12 feet
- Perch/Seepage water encountered at 8+ feet
- No groundwater encountered; or
- Ground water encountered at \_\_\_\_\_ feet

Remarks: SAMPLE OUT TP-06 + OW-TP-06 7/14/15 @ 0935

MS/MSO @ THIS LOCATION PID = 0.0 PPM

## Test Pit Log

Test Pit No. TP-7

Equipment Used: KOMATSU HAMMER  
DEERE EXCAVATOR

Weather: SUN, CLEAR Temp.: 80°

Field Engineer/Geologist: ANU CHEREMENKOF

Test Pit Dimensions: 11.5 x 7.11 x 9  
Length Width Depth

Project: Orchard-Whitney SSI

Lu Project No.: 4216-06

Date: 7/14/15 @ 0930

| Depth | PID Reading | Description                                                            |
|-------|-------------|------------------------------------------------------------------------|
| 0-2   | 0.0         | CONCRETE, FILL MATERIAL                                                |
| 2-4   | 0.0         | DARK, DAMP, FILL MATL CINDER BLOCKS, BROKEN BRICKS, ROOTS, WOOD, REBAR |
| 4-6   | 0.0         | " "                                                                    |
| 6-9   | 0.0         | " " → CONCRETE                                                         |
|       |             |                                                                        |

### Comments

- No rock encountered; or  
 Rock encountered at \_\_\_\_\_ feet  
 Perch/Seepage water encountered at \_\_\_\_\_ feet  
 No groundwater encountered; or  
 Ground water encountered at \_\_\_\_\_ feet

Remarks: SAMPLE ON-TP-07 COLLECTED @ 1245

PID 0.0 ppm

## Test Pit Log

Test Pit No. TP-8

Equipment Used: KOMATSU HAMMER  
DIESEL EXCAVATOR

Project: Orchard-Whitney SSI

Weather: RAIN CLOUDY Temp.: 75°

Lu Project No.: 4216-06

Date: 7/14/15

Field Engineer/Geologist: Ari Czesniakoff

Test Pit Dimensions:  $\frac{12}{\text{Length}} \times \frac{6}{\text{Width}} \times \frac{9}{\text{Depth}}$

| Depth | PID Reading | Description                                                                  |
|-------|-------------|------------------------------------------------------------------------------|
| 0-2   | 0.0         | CONCRETE - FILL MATR                                                         |
| 2-4   | 0.2         | FILL MATR - DARK BROWN SOIL W/<br>BROKEN BRICK, CNW, WOOD, ROOTS             |
| 4-6   | 0.1         | 2 WATER PIPE LINES RUNNING N-S<br>DISC. UNTOUCHED / UNDamaged. SOIL SAME     |
| 6-9   | 0.0         | FILL MATR INTERMIXED W/ MORE NATIVE<br>SANDY SOIL. NO EVID OF PIPES OR DISCS |
|       |             |                                                                              |

### Comments

- No rock encountered; or
- Rock encountered at \_\_\_\_\_ feet
- Perch/Seepage water encountered at \_\_\_\_\_ feet
- No groundwater encountered; or
- Ground water encountered at \_\_\_\_\_ feet

Remarks: SAMPLE OW-TP-08 COLLECTED @ 1415

D.O.PRM PID - 0.0 PRM

# Test Pit Log

Test Pit No. TP-9

Equipment Used: KOMATSU HAMMER  
 DIESEL EXCAVATOR

Project: Orchard-Whitney SSI

Lu Project No.: 4216-06

Weather: GREY, MOSTLY RAIN Temp.: 55°

Date: 7/15/15

Field Engineer/Geologist: Ari Cuslemsteff

Test Pit Dimensions: 20 x 12 x 13 (Approx.)  
 Length Width Depth

| Depth | PID Reading                    | Description                                                             |
|-------|--------------------------------|-------------------------------------------------------------------------|
| 0-2   | 0.0                            | concrete, crushed brick, fill mat's then sand, med-brown w/ fill mat's. |
| 2-4   | 3.3 ppm (2.5')<br>5.3 ppm (4') | Sandy, med-brown w/ mixed crushed brick fill. BOTTOM of elev.           |
| 4-6   | 0.9                            | sand - med brown. under concrete elev. floor.                           |
| 6-8   | 0.0                            | " "                                                                     |
| 8-13  | 0.0                            | " " some water entering pit.                                            |

**Comments**

- No rock encountered; or
- Rock encountered at 13' feet bgs
- Perch/Seepage water encountered at \_\_\_\_\_ feet
- No groundwater encountered; or
- Ground water encountered at 12-13' feet bgs.

Remarks: SAMPLE OW-TP-09 COLLECTED @ 1020  
ALSO BLIND DUP (OW-BD-01) COLLECTED @  
THIS LOCATION.



# Test Pit Log

Test Pit No. TP-10  
 Equipment Used: KOMATSU HAMMER  
DEERE EXCAVATOR  
 Project: Orchard-Whitney SSI  
 Lu Project No.: 4216-06  
 Weather: OVERCAST Temp.: 100°  
 Date: 7/15/15  
 Field Engineer/Geologist: ARI CHELENETOFF  
 Test Pit Dimensions: 17 x 8.5 x ~12' to bedrock (approx.)  
 Length Width Depth

| Depth | PID Reading | Description                                                                     |
|-------|-------------|---------------------------------------------------------------------------------|
| 0-2   | 0.0         | Concrete, FILL MAT'L. CLOSED BRICK SAND                                         |
| 2-4   | 0.0         | Med-brown sand w/ some fill mat'l.                                              |
| 4-6   | -0.0        | PIPE ENCOUNTERED W/ METALLIC SWOGE. NO ELEVATED PID READINGS - SAMPLE COLLECTED |
| 6-8   | 54.1        | DARK, STAINED SOIL W/ HEAVY PETROL. ODOUR @ ~7.5' bgs                           |
| 8-10  | 37.0        | " "                                                                             |

**Comments**

- No rock encountered; or
- Rock encountered at ~12' feet
- Perch/Seepage water encountered at \_\_\_\_\_ feet
- No groundwater encountered; or
- Ground water encountered at \_\_\_\_\_ feet

Remarks: SAMPLE OW-TP-10 @ 1230 & METALLIC SWOGE FOUND: OW-TP-10-17 @ 1230 (1 CONTAINER)  
ORIGINAL TP-10 LOCATION ENCOUNTERED A PIPE CHASE THAT CONT. PAPER PIPE WRAP. MOVED TP-10 OVER JUST EAST ABOUT 10' PIPE CHASE LOC.

## Test Pit Log

Test Pit No. TP-11

Equipment Used: KOMATSU HAMMER  
DEERE EXCAVATOR

Project: Orchard-Whitney SSI

Lu Project No.: 4216-06

Weather: Clear, Sun Temp.: 75°

Date: 7/15/15

Field Engineer/Geologist: ARI CHIRONIS

Test Pit Dimensions: 14.1 x 7' x 12  
Length Width Depth

| Depth | PID Reading                 | Description                                                                         |
|-------|-----------------------------|-------------------------------------------------------------------------------------|
| 0-2   | 0.0                         | concrete, fill mat'l for 1'+<br>turned to sandy, med-brown, dry<br>w/ crushed brick |
| 2-4   | 0.0                         | sandy, med-brown, dry w/ crushed<br>fill mat'l.                                     |
| 4-6   | 0.5                         | " "                                                                                 |
| 6-8   | 22.1ppm (6")<br>8.0ppm (8") | " " small area of<br>dark brown mat'l, no odor.                                     |
| 8-12  | 0.0                         | " "                                                                                 |

### Comments

- No rock encountered; or
- Rock encountered at 12 feet
- Perch/Seepage water encountered at \_\_\_\_\_ feet
- No groundwater encountered; or
- Ground water encountered at \_\_\_\_\_ feet

Remarks: SAMPLE DWT TP-11 COLLECTED @ 1400

SOIL WAS TO BUILDING = 9' - 6.7"

# Test Pit Log

Test Pit No. TP-12

Equipment Used: KOMATSU HAMMER  
DEERE EXCAVATOR

Project: Orchard-Whitney SSI

Lu Project No.: 4216-06

Weather: CLEAR SUN Temp.: 60°

Date: 7/16/15

Field Engineer/Geologist: ARI CHEREMISHEV

Test Pit Dimensions: 15'3" x 8'4" x 12'  
 Length Width Depth

| Depth  | PID Reading | Description                                                                                         |
|--------|-------------|-----------------------------------------------------------------------------------------------------|
| 0-2'   | 0.0         | CONCRETE, - VERY THICK CONCRETE PIPE ENCOUNTERED. APPEARS TO BE SENSE-TYPE. NO PID READINGS: 0.0ppm |
| 2-4    | 0.0         | MED. BROWN SANDY SOIL W/ INTERMIXED BROKEN BRICK, CONCRETE, WOOD BLOCK (FUNDATION). PIPES.          |
| 4-6    | 0.0         | SANDY, MED-BROWN SOIL W/ FILL MAT'L INTERMIXED. MORE PIPES- EVIDENT.                                |
| 6-8.5  | 90ppm       | SANDY, MED-BROWN CHANGING TO DARK BROWN, TAR-LIKE, HEAVY PETROL OIL.                                |
| 8.5-12 | 74ppm       | " "                                                                                                 |

### Comments

- No rock encountered; or
- Rock encountered at 12 feet
- Perch/Seepage water encountered at \_\_\_\_\_ feet
- No groundwater encountered; or
- Ground water encountered at \_\_\_\_\_ feet

Remarks: SAMPLE OW-TP-12 COLLECTED @ 0935  
PID Reading 90ppm, @ Depth of ~8.5' bgs.  
Once samples collected TP-12 Backfilled.

## Test Pit Log

Test Pit No. TP-13

Equipment Used: KOMATSU HANMER  
DEERE EXCAVATOR

Weather: SUN, CLEAR Temp.: 70°

Field Engineer/Geologist: ARI CHALIKIAN

Test Pit Dimensions: 15' x 8' x 12'  
Length Width Depth

Project: Orchard-Whitney SSI

Lu Project No.: 4216-06

Date: 7/16/15

| Depth | PID Reading         | Description                                                                                            |
|-------|---------------------|--------------------------------------------------------------------------------------------------------|
| 0-2'  | (2' bgs)<br>215 ppm | CONCRETE, FILL MAT'L, DARK, SOIL, HEAVY<br><del>REBAR</del> SOLENT $\rightarrow$ BRICK, CONCRETE, WOOD |
| 2-4'  | 10.8 ppm            | " " SOLENT OVER<br>CONCRETE WITH ENCOUNTERED                                                           |
| 4-6'  | 24.1 ppm            | SANDY, DARK TO MED-BROWN SOIL w/ FILL<br>MAT'L HEAVY SOLENT OVER PIPE = 15.5 ppm                       |
| 6-8'  | 15.4                | " "                                                                                                    |
| 8-10' | 12.5                | " "                                                                                                    |

### Comments

- No rock encountered; or
- Rock encountered at 12 feet bgs
- Perch/Seepage water encountered at \_\_\_\_\_ feet
- No groundwater encountered; or
- Ground water encountered at \_\_\_\_\_ feet

Remarks: SAMPLE DW-TP13 COLLECTED @ 1040

@ 8-10' bgs.

SOLENT OVER, ELEVATED PID READINGS  
FROM ~ 2'- BD ROCK.

## Test Pit Log

Test Pit No. TP-14

Equipment Used: KOMATSU HAMMER  
DIESEL EXCAVATOR

Weather: SUN, CLEAR Temp.: 75°

Field Engineer/Geologist: ARI CHERNOGUREFF

Project: Orchard-Whitney SSI

Lu Project No.: 4216-06

Date: 7/16/15

Test Pit Dimensions: 11 x 8 x 12'  
Length Width Depth

| Depth | PID Reading | Description                                 |
|-------|-------------|---------------------------------------------|
| 0-2   | 0.0         | concrete, fill w/ sand underneath           |
| 2-4   | 0.7         | sand, med-brown, w/some crushed fill mat'l. |
| 4-6   | 0.6         | " "                                         |
| 6-12  | 0.0         | " "                                         |
|       |             |                                             |

### Comments

- No rock encountered; or
- Rock encountered at 11.5'<sup>12</sup> feet
- Perch/Seepage water encountered at 12 feet
- No groundwater encountered; or
- Ground water encountered at \_\_\_\_\_ feet

Remarks: SAMPLE OW-TP-14 CONCRETE @ 1140

PID 0.0 ppm

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# Test Pit Log

Test Pit No. TP 15

Equipment Used: KOMATSU HAMMER  
 DIESEL EXC.

Project: Orchard-Whitney SSI

Lu Project No.: 4216-06

Weather: SUN, CLEAR Temp.: 75°

Date: 7/16/15

Field Engineer/Geologist: ARI CHEREMISOFF

Test Pit Dimensions: 15' x 8' x 12' (Approx.)  
 Length Width Depth

| Depth | PID Reading | Description                                                                                            |
|-------|-------------|--------------------------------------------------------------------------------------------------------|
| 0-2'  | 0.0         | Brown, sandy soil BENEATH LAYER OF CONCRETE                                                            |
| 2-4'  | 0.0         | Brown, sandy soil w/ some crushed brick, fill mat'l.                                                   |
| 4-6'  | 37.9        | Brown, sandy soil with darker brown soil, petrol odor. - concentrated to western portion of excavation |
| 6-8'  | 28.1        | " "                                                                                                    |
| 8-10' | 12.7        | " "                                                                                                    |

**Comments**

- No rock encountered; or
- Rock encountered at 12 feet
- Perch/Seepage water encountered at \_\_\_\_\_ feet
- No groundwater encountered; or
- Ground water encountered at \_\_\_\_\_ feet

Remarks: SAMPLE OR-TP-15 @ 1310 PID: 24.4 PPM

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## Test Pit Log

Test Pit No. TP-16  
 Equipment Used: KOMATSU HAMMER  
DEERE EXC.  
 Weather: SUN CLEAR Temp.: 75°  
 Field Engineer/Geologist: ARI CEREMETEFF  
 Test Pit Dimensions: 14.1' x 5.2' x 12'  
 Length Width Depth  
 Project: Orchard-Whitney SSI  
 Lu Project No.: 4216-06  
 Date: 7/16/15

| Depth | PID Reading | Description                                                 |
|-------|-------------|-------------------------------------------------------------|
| 0-2   | 0.0         | concrete, fill mat'l. sand underneath                       |
| 2-4   | 0.7         | Sandy, med brown w/ some fill mat'l (crushed brick, stone). |
| 4-6   | 1.5         | " "                                                         |
| 6-8   | 18.7        | " " no staining or odor observed.                           |
| 8-12  | 0.3         | " "                                                         |

### Comments

- No rock encountered; or
- Rock encountered at 12 feet
- Perch/Seepage water encountered at \_\_\_\_\_ feet
- No groundwater encountered; or
- Ground water encountered at \_\_\_\_\_ feet

Remarks: SAMPLE OW-TP-16 COLLECTED @ 1340

## Appendix C – Laboratory Analytical Data

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**Lab Project ID:** 152891

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

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**Sample Identifier:** OW-TP-01

**Lab Sample ID:** 152891-01

**Date Sampled:** 7/13/2015

**Matrix:** Soil

**Date Received:** 7/13/2015

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**Mercury**

| <b>Analyte</b>              | <b>Result</b>  | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|----------------|--------------|------------------|----------------------|
| Mercury                     | <b>0.00722</b> | mg/Kg        | J                | 7/16/2015 11:55      |
| <b>Method Reference(s):</b> | EPA 7471B      |              |                  |                      |
| <b>Preparation Date:</b>    | 7/15/2015      |              |                  |                      |
| <b>Data File:</b>           | Hg150716A      |              |                  |                      |

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*Report Prepared Friday, July 17, 2015*



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-01

**Lab Sample ID:** 152891-01

**Matrix:** Soil

**Date Sampled:** 7/13/2015

**Date Received:** 7/13/2015

**RCRA Metals (ICP)**

| <b>Analyte</b> | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic        | <b>4.03</b>   | mg/Kg        |                  | 7/16/2015 17:38      |
| Barium         | <b>17.7</b>   | mg/Kg        |                  | 7/16/2015 17:38      |
| Cadmium        | <b>0.149</b>  | mg/Kg        | J                | 7/16/2015 17:38      |
| Chromium       | <b>7.40</b>   | mg/Kg        |                  | 7/16/2015 17:38      |
| Lead           | <b>3.64</b>   | mg/Kg        |                  | 7/16/2015 17:38      |
| Selenium       | <b>0.496</b>  | mg/Kg        | J                | 7/16/2015 17:38      |
| Silver         | <b>0.684</b>  | mg/Kg        |                  | 7/16/2015 17:38      |

**Method Reference(s):** EPA 6010C  
EPA 3050  
**Preparation Date:** 7/16/2015  
**Data File:** 071615b

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**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-01

**Lab Sample ID:** 152891-01

**Matrix:** Soil

**Date Sampled:** 7/13/2015

**Date Received:** 7/13/2015

**PCBs**

| <b>Analyte</b> | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016       | < 0.0309      | mg/Kg        |                  | 7/16/2015 21:44      |
| PCB-1221       | < 0.0309      | mg/Kg        |                  | 7/16/2015 21:44      |
| PCB-1232       | < 0.0309      | mg/Kg        |                  | 7/16/2015 21:44      |
| PCB-1242       | < 0.0309      | mg/Kg        |                  | 7/16/2015 21:44      |
| PCB-1248       | < 0.0309      | mg/Kg        |                  | 7/16/2015 21:44      |
| PCB-1254       | < 0.0309      | mg/Kg        |                  | 7/16/2015 21:44      |
| PCB-1260       | < 0.0309      | mg/Kg        |                  | 7/16/2015 21:44      |
| PCB-1262       | < 0.0309      | mg/Kg        |                  | 7/16/2015 21:44      |
| PCB-1268       | < 0.0309      | mg/Kg        |                  | 7/16/2015 21:44      |

| <b>Surrogate</b>     | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl   | <b>72.7</b>             | 30.5 - 159    |                 | 7/16/2015 21:44      |
| Tetrachloro-m-xylene | <b>62.8</b>             | 23.2 - 144    |                 | 7/16/2015 21:44      |

**Method Reference(s):** EPA 8082A  
EPA 3550C  
**Preparation Date:** 7/16/2015

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Lab Project ID: 152891

Client: Lu Engineers, Inc.

Project Reference: Orchard-Whitney 4216-06

Sample Identifier: OW-TP-01

Lab Sample ID: 152891-01

Matrix: Soil

Date Sampled: 7/13/2015

Date Received: 7/13/2015

Volatile Organics

| Analyte                     | Result | Units | Qualifier | Date Analyzed   |
|-----------------------------|--------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane       | < 4.29 | ug/Kg |           | 7/14/2015 16:59 |
| 1,1,2,2-Tetrachloroethane   | < 4.29 | ug/Kg |           | 7/14/2015 16:59 |
| 1,1,2-Trichloroethane       | < 4.29 | ug/Kg |           | 7/14/2015 16:59 |
| 1,1-Dichloroethane          | < 4.29 | ug/Kg |           | 7/14/2015 16:59 |
| 1,1-Dichloroethene          | < 4.29 | ug/Kg |           | 7/14/2015 16:59 |
| 1,2,3-Trichlorobenzene      | < 10.7 | ug/Kg |           | 7/14/2015 16:59 |
| 1,2,4-Trichlorobenzene      | < 10.7 | ug/Kg |           | 7/14/2015 16:59 |
| 1,2-Dibromo-3-Chloropropane | < 21.4 | ug/Kg |           | 7/14/2015 16:59 |
| 1,2-Dibromoethane           | < 4.29 | ug/Kg |           | 7/14/2015 16:59 |
| 1,2-Dichlorobenzene         | < 4.29 | ug/Kg |           | 7/14/2015 16:59 |
| 1,2-Dichloroethane          | < 4.29 | ug/Kg |           | 7/14/2015 16:59 |
| 1,2-Dichloropropane         | < 4.29 | ug/Kg |           | 7/14/2015 16:59 |
| 1,3-Dichlorobenzene         | < 4.29 | ug/Kg |           | 7/14/2015 16:59 |
| 1,4-Dichlorobenzene         | < 4.29 | ug/Kg |           | 7/14/2015 16:59 |
| 1,4-dioxane                 | < 42.9 | ug/Kg |           | 7/14/2015 16:59 |
| 2-Butanone                  | < 21.4 | ug/Kg |           | 7/14/2015 16:59 |
| 2-Hexanone                  | < 10.7 | ug/Kg |           | 7/14/2015 16:59 |
| 4-Methyl-2-pentanone        | < 10.7 | ug/Kg |           | 7/14/2015 16:59 |
| Acetone                     | < 21.4 | ug/Kg |           | 7/14/2015 16:59 |
| Benzene                     | < 4.29 | ug/Kg |           | 7/14/2015 16:59 |
| Bromochloromethane          | < 10.7 | ug/Kg |           | 7/14/2015 16:59 |
| Bromodichloromethane        | < 4.29 | ug/Kg |           | 7/14/2015 16:59 |
| Bromoform                   | < 10.7 | ug/Kg |           | 7/14/2015 16:59 |
| Bromomethane                | < 4.29 | ug/Kg |           | 7/14/2015 16:59 |
| Carbon disulfide            | < 4.29 | ug/Kg |           | 7/14/2015 16:59 |
| Carbon Tetrachloride        | < 4.29 | ug/Kg |           | 7/14/2015 16:59 |
| Chlorobenzene               | < 4.29 | ug/Kg |           | 7/14/2015 16:59 |

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Report Prepared Friday, July 17, 2015



Lab Project ID: 152891

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

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|                           |           |       |  |                       |           |
|---------------------------|-----------|-------|--|-----------------------|-----------|
| <b>Sample Identifier:</b> | OW-TP-01  |       |  |                       |           |
| <b>Lab Sample ID:</b>     | 152891-01 |       |  | <b>Date Sampled:</b>  | 7/13/2015 |
| <b>Matrix:</b>            | Soil      |       |  | <b>Date Received:</b> | 7/13/2015 |
| <hr/>                     |           |       |  |                       |           |
| Chloroethane              | < 4.29    | ug/Kg |  | 7/14/2015             | 16:59     |
| Chloroform                | < 4.29    | ug/Kg |  | 7/14/2015             | 16:59     |
| Chloromethane             | < 4.29    | ug/Kg |  | 7/14/2015             | 16:59     |
| cis-1,2-Dichloroethene    | < 4.29    | ug/Kg |  | 7/14/2015             | 16:59     |
| cis-1,3-Dichloropropene   | < 4.29    | ug/Kg |  | 7/14/2015             | 16:59     |
| Cyclohexane               | < 21.4    | ug/Kg |  | 7/14/2015             | 16:59     |
| Dibromochloromethane      | < 4.29    | ug/Kg |  | 7/14/2015             | 16:59     |
| Dichlorodifluoromethane   | < 4.29    | ug/Kg |  | 7/14/2015             | 16:59     |
| Ethylbenzene              | < 4.29    | ug/Kg |  | 7/14/2015             | 16:59     |
| Freon 113                 | < 4.29    | ug/Kg |  | 7/14/2015             | 16:59     |
| Isopropylbenzene          | < 4.29    | ug/Kg |  | 7/14/2015             | 16:59     |
| m,p-Xylene                | < 4.29    | ug/Kg |  | 7/14/2015             | 16:59     |
| Methyl acetate            | < 4.29    | ug/Kg |  | 7/14/2015             | 16:59     |
| Methyl tert-butyl Ether   | < 4.29    | ug/Kg |  | 7/14/2015             | 16:59     |
| Methylcyclohexane         | < 4.29    | ug/Kg |  | 7/14/2015             | 16:59     |
| Methylene chloride        | < 10.7    | ug/Kg |  | 7/14/2015             | 16:59     |
| o-Xylene                  | < 4.29    | ug/Kg |  | 7/14/2015             | 16:59     |
| Styrene                   | < 10.7    | ug/Kg |  | 7/14/2015             | 16:59     |
| Tetrachloroethene         | < 4.29    | ug/Kg |  | 7/14/2015             | 16:59     |
| Toluene                   | < 4.29    | ug/Kg |  | 7/14/2015             | 16:59     |
| trans-1,2-Dichloroethene  | < 4.29    | ug/Kg |  | 7/14/2015             | 16:59     |
| trans-1,3-Dichloropropene | < 4.29    | ug/Kg |  | 7/14/2015             | 16:59     |
| Trichloroethene           | < 4.29    | ug/Kg |  | 7/14/2015             | 16:59     |
| Trichlorofluoromethane    | < 4.29    | ug/Kg |  | 7/14/2015             | 16:59     |
| Vinyl chloride            | < 4.29    | ug/Kg |  | 7/14/2015             | 16:59     |

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Report Prepared Friday, July 17, 2015



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-01

**Lab Sample ID:** 152891-01

**Date Sampled:** 7/13/2015

**Matrix:** Soil

**Date Received:** 7/13/2015

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | <b>120</b>              | 80.6 - 125    |                 | 7/14/2015 16:59      |
| 4-Bromofluorobenzene  | <b>88.5</b>             | 86.6 - 111    |                 | 7/14/2015 16:59      |
| Pentafluorobenzene    | <b>92.4</b>             | 90.9 - 107    |                 | 7/14/2015 16:59      |
| Toluene-D8            | <b>95.2</b>             | 90.8 - 109    |                 | 7/14/2015 16:59      |

**Method Reference(s):** EPA 8260C  
EPA 5035

**Data File:** x24583.D

*This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.*



**Lab Project ID:** 152891

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

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**Sample Identifier:** OW-TP-02

**Lab Sample ID:** 152891-02

**Date Sampled:** 7/13/2015

**Matrix:** Soil

**Date Received:** 7/13/2015

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**Mercury**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| Mercury                     | <b>0.0123</b> | mg/Kg        |                  | 7/16/2015 11:59      |
| <b>Method Reference(s):</b> | EPA 7471B     |              |                  |                      |
| <b>Preparation Date:</b>    | 7/15/2015     |              |                  |                      |
| <b>Data File:</b>           | Hg150716A     |              |                  |                      |

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*Report Prepared Friday, July 17, 2015*



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-02

**Lab Sample ID:** 152891-02

**Matrix:** Soil

**Date Sampled:** 7/13/2015

**Date Received:** 7/13/2015

**RCRA Metals (ICP)**

| <b>Analyte</b> | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic        | <b>3.24</b>   | mg/Kg        |                  | 7/16/2015 17:42      |
| Barium         | <b>22.5</b>   | mg/Kg        |                  | 7/16/2015 17:42      |
| Cadmium        | < 0.283       | mg/Kg        |                  | 7/16/2015 17:42      |
| Chromium       | <b>6.15</b>   | mg/Kg        |                  | 7/16/2015 17:42      |
| Lead           | <b>6.48</b>   | mg/Kg        |                  | 7/16/2015 17:42      |
| Selenium       | <b>0.325</b>  | mg/Kg        | J                | 7/16/2015 17:42      |
| Silver         | <b>0.441</b>  | mg/Kg        | J                | 7/16/2015 17:42      |

**Method Reference(s):** EPA 6010C  
EPA 3050  
**Preparation Date:** 7/16/2015  
**Data File:** 071615b

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Lab Project ID: 152891

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-02

**Lab Sample ID:** 152891-02

**Matrix:** Soil

**Date Sampled:** 7/13/2015

**Date Received:** 7/13/2015

**PCBs**

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016       | < 0.0351      | mg/Kg        |                  | 7/16/2015 22:07      |
| PCB-1221       | < 0.0351      | mg/Kg        |                  | 7/16/2015 22:07      |
| PCB-1232       | < 0.0351      | mg/Kg        |                  | 7/16/2015 22:07      |
| PCB-1242       | < 0.0351      | mg/Kg        |                  | 7/16/2015 22:07      |
| PCB-1248       | < 0.0351      | mg/Kg        |                  | 7/16/2015 22:07      |
| PCB-1254       | < 0.0351      | mg/Kg        |                  | 7/16/2015 22:07      |
| PCB-1260       | < 0.0351      | mg/Kg        |                  | 7/16/2015 22:07      |
| PCB-1262       | < 0.0351      | mg/Kg        |                  | 7/16/2015 22:07      |
| PCB-1268       | < 0.0351      | mg/Kg        |                  | 7/16/2015 22:07      |

| <u>Surrogate</u>     | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl   | 67.1                    | 30.5 - 159    |                 | 7/16/2015 22:07      |
| Tetrachloro-m-xylene | 63.5                    | 23.2 - 144    |                 | 7/16/2015 22:07      |

**Method Reference(s):** EPA 8082A  
EPA 3550C  
**Preparation Date:** 7/16/2015

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Report Prepared Friday, July 17, 2015



Lab Project ID: 152891

Client: Lu Engineers, Inc.

Project Reference: Orchard-Whitney 4216-06

Sample Identifier: OW-TP-02

Lab Sample ID: 152891-02

Date Sampled: 7/13/2015

Matrix: Soil

Date Received: 7/13/2015

**Volatile Organics**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| 1,1,1-Trichloroethane       | < 4.84        | ug/Kg        |                  | 7/14/2015 17:23      |
| 1,1,2,2-Tetrachloroethane   | < 4.84        | ug/Kg        |                  | 7/14/2015 17:23      |
| 1,1,2-Trichloroethane       | < 4.84        | ug/Kg        |                  | 7/14/2015 17:23      |
| 1,1-Dichloroethane          | < 4.84        | ug/Kg        |                  | 7/14/2015 17:23      |
| 1,1-Dichloroethene          | < 4.84        | ug/Kg        |                  | 7/14/2015 17:23      |
| 1,2,3-Trichlorobenzene      | < 12.1        | ug/Kg        |                  | 7/14/2015 17:23      |
| 1,2,4-Trichlorobenzene      | < 12.1        | ug/Kg        |                  | 7/14/2015 17:23      |
| 1,2-Dibromo-3-Chloropropane | < 24.2        | ug/Kg        |                  | 7/14/2015 17:23      |
| 1,2-Dibromoethane           | < 4.84        | ug/Kg        |                  | 7/14/2015 17:23      |
| 1,2-Dichlorobenzene         | < 4.84        | ug/Kg        |                  | 7/14/2015 17:23      |
| 1,2-Dichloroethane          | < 4.84        | ug/Kg        |                  | 7/14/2015 17:23      |
| 1,2-Dichloropropane         | < 4.84        | ug/Kg        |                  | 7/14/2015 17:23      |
| 1,3-Dichlorobenzene         | < 4.84        | ug/Kg        |                  | 7/14/2015 17:23      |
| 1,4-Dichlorobenzene         | < 4.84        | ug/Kg        |                  | 7/14/2015 17:23      |
| 1,4-dioxane                 | < 48.4        | ug/Kg        |                  | 7/14/2015 17:23      |
| 2-Butanone                  | < 24.2        | ug/Kg        |                  | 7/14/2015 17:23      |
| 2-Hexanone                  | < 12.1        | ug/Kg        |                  | 7/14/2015 17:23      |
| 4-Methyl-2-pentanone        | < 12.1        | ug/Kg        |                  | 7/14/2015 17:23      |
| Acetone                     | < 24.2        | ug/Kg        |                  | 7/14/2015 17:23      |
| Benzene                     | < 4.84        | ug/Kg        |                  | 7/14/2015 17:23      |
| Bromochloromethane          | < 12.1        | ug/Kg        |                  | 7/14/2015 17:23      |
| Bromodichloromethane        | < 4.84        | ug/Kg        |                  | 7/14/2015 17:23      |
| Bromoform                   | < 12.1        | ug/Kg        |                  | 7/14/2015 17:23      |
| Bromomethane                | < 4.84        | ug/Kg        |                  | 7/14/2015 17:23      |
| Carbon disulfide            | < 4.84        | ug/Kg        |                  | 7/14/2015 17:23      |
| Carbon Tetrachloride        | < 4.84        | ug/Kg        |                  | 7/14/2015 17:23      |
| Chlorobenzene               | < 4.84        | ug/Kg        |                  | 7/14/2015 17:23      |

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Report Prepared Friday, July 17, 2015



Lab Project ID: 152891

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

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|                           |           |       |  |                       |           |
|---------------------------|-----------|-------|--|-----------------------|-----------|
| <b>Sample Identifier:</b> | OW-TP-02  |       |  |                       |           |
| <b>Lab Sample ID:</b>     | 152891-02 |       |  | <b>Date Sampled:</b>  | 7/13/2015 |
| <b>Matrix:</b>            | Soil      |       |  | <b>Date Received:</b> | 7/13/2015 |
| <hr/>                     |           |       |  |                       |           |
| Chloroethane              | < 4.84    | ug/Kg |  | 7/14/2015             | 17:23     |
| Chloroform                | < 4.84    | ug/Kg |  | 7/14/2015             | 17:23     |
| Chloromethane             | < 4.84    | ug/Kg |  | 7/14/2015             | 17:23     |
| cis-1,2-Dichloroethene    | < 4.84    | ug/Kg |  | 7/14/2015             | 17:23     |
| cis-1,3-Dichloropropene   | < 4.84    | ug/Kg |  | 7/14/2015             | 17:23     |
| Cyclohexane               | < 24.2    | ug/Kg |  | 7/14/2015             | 17:23     |
| Dibromochloromethane      | < 4.84    | ug/Kg |  | 7/14/2015             | 17:23     |
| Dichlorodifluoromethane   | < 4.84    | ug/Kg |  | 7/14/2015             | 17:23     |
| Ethylbenzene              | < 4.84    | ug/Kg |  | 7/14/2015             | 17:23     |
| Freon 113                 | < 4.84    | ug/Kg |  | 7/14/2015             | 17:23     |
| Isopropylbenzene          | < 4.84    | ug/Kg |  | 7/14/2015             | 17:23     |
| m,p-Xylene                | < 4.84    | ug/Kg |  | 7/14/2015             | 17:23     |
| Methyl acetate            | < 4.84    | ug/Kg |  | 7/14/2015             | 17:23     |
| Methyl tert-butyl Ether   | < 4.84    | ug/Kg |  | 7/14/2015             | 17:23     |
| Methylcyclohexane         | < 4.84    | ug/Kg |  | 7/14/2015             | 17:23     |
| Methylene chloride        | < 12.1    | ug/Kg |  | 7/14/2015             | 17:23     |
| o-Xylene                  | < 4.84    | ug/Kg |  | 7/14/2015             | 17:23     |
| Styrene                   | < 12.1    | ug/Kg |  | 7/14/2015             | 17:23     |
| Tetrachloroethene         | < 4.84    | ug/Kg |  | 7/14/2015             | 17:23     |
| Toluene                   | < 4.84    | ug/Kg |  | 7/14/2015             | 17:23     |
| trans-1,2-Dichloroethene  | < 4.84    | ug/Kg |  | 7/14/2015             | 17:23     |
| trans-1,3-Dichloropropene | < 4.84    | ug/Kg |  | 7/14/2015             | 17:23     |
| Trichloroethene           | < 4.84    | ug/Kg |  | 7/14/2015             | 17:23     |
| Trichlorofluoromethane    | < 4.84    | ug/Kg |  | 7/14/2015             | 17:23     |
| Vinyl chloride            | < 4.84    | ug/Kg |  | 7/14/2015             | 17:23     |

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Report Prepared Friday, July 17, 2015



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-02

**Lab Sample ID:** 152891-02

**Date Sampled:** 7/13/2015

**Matrix:** Soil

**Date Received:** 7/13/2015

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | <b>120</b>              | 80.6 - 125    |                 | 7/14/2015 17:23      |
| 4-Bromofluorobenzene  | <b>87.7</b>             | 86.6 - 111    |                 | 7/14/2015 17:23      |
| Pentafluorobenzene    | <b>94.4</b>             | 90.9 - 107    |                 | 7/14/2015 17:23      |
| Toluene-D8            | <b>97.1</b>             | 90.8 - 109    |                 | 7/14/2015 17:23      |

**Method Reference(s):** EPA 8260C  
EPA 5035

**Data File:** x24584.D

*This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.*



Lab Project ID: 152891

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

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**Sample Identifier:** OW-TP-03

**Lab Sample ID:** 152891-03

**Date Sampled:** 7/13/2015

**Matrix:** Soil

**Date Received:** 7/13/2015

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**Mercury**

| <b>Analyte</b>              | <b>Result</b>  | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|----------------|--------------|------------------|----------------------|
| Mercury                     | <b>0.00545</b> | mg/Kg        | J                | 7/16/2015 12:02      |
| <b>Method Reference(s):</b> | EPA 7471B      |              |                  |                      |
| <b>Preparation Date:</b>    | 7/15/2015      |              |                  |                      |
| <b>Data File:</b>           | Hg150715B      |              |                  |                      |

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Report Prepared Friday, July 17, 2015



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-03

**Lab Sample ID:** 152891-03

**Matrix:** Soil

**Date Sampled:** 7/13/2015

**Date Received:** 7/13/2015

**RCRA Metals (ICP)**

| <b>Analyte</b> | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic        | <b>4.40</b>   | mg/Kg        |                  | 7/16/2015 17:46      |
| Barium         | <b>27.2</b>   | mg/Kg        |                  | 7/16/2015 17:46      |
| Cadmium        | < 0.264       | mg/Kg        |                  | 7/16/2015 17:46      |
| Chromium       | <b>5.78</b>   | mg/Kg        |                  | 7/16/2015 17:46      |
| Lead           | <b>2.44</b>   | mg/Kg        |                  | 7/16/2015 17:46      |
| Selenium       | <b>0.709</b>  | mg/Kg        |                  | 7/16/2015 17:46      |
| Silver         | < 0.528       | mg/Kg        |                  | 7/16/2015 17:46      |

**Method Reference(s):** EPA 6010C  
EPA 3050  
**Preparation Date:** 7/16/2015  
**Data File:** 071615b

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**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-03

**Lab Sample ID:** 152891-03

**Matrix:** Soil

**Date Sampled:** 7/13/2015

**Date Received:** 7/13/2015

**PCBs**

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016       | < 0.0315      | mg/Kg        |                  | 7/16/2015 22:31      |
| PCB-1221       | < 0.0315      | mg/Kg        |                  | 7/16/2015 22:31      |
| PCB-1232       | < 0.0315      | mg/Kg        |                  | 7/16/2015 22:31      |
| PCB-1242       | < 0.0315      | mg/Kg        |                  | 7/16/2015 22:31      |
| PCB-1248       | < 0.0315      | mg/Kg        |                  | 7/16/2015 22:31      |
| PCB-1254       | < 0.0315      | mg/Kg        |                  | 7/16/2015 22:31      |
| PCB-1260       | < 0.0315      | mg/Kg        |                  | 7/16/2015 22:31      |
| PCB-1262       | < 0.0315      | mg/Kg        |                  | 7/16/2015 22:31      |
| PCB-1268       | < 0.0315      | mg/Kg        |                  | 7/16/2015 22:31      |

| <u>Surrogate</u>     | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl   | <b>43.6</b>             | 30.5 - 159    |                 | 7/16/2015 22:31      |
| Tetrachloro-m-xylene | <b>52.2</b>             | 23.2 - 144    |                 | 7/16/2015 22:31      |

**Method Reference(s):** EPA 8082A  
EPA 3550C  
**Preparation Date:** 7/16/2015

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**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-03

**Lab Sample ID:** 152891-03

**Matrix:** Soil

**Date Sampled:** 7/13/2015

**Date Received:** 7/13/2015

**Volatile Organics**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| 1,1,1-Trichloroethane       | < 3.62        | ug/Kg        |                  | 7/14/2015 17:47      |
| 1,1,2,2-Tetrachloroethane   | < 3.62        | ug/Kg        |                  | 7/14/2015 17:47      |
| 1,1,2-Trichloroethane       | < 3.62        | ug/Kg        |                  | 7/14/2015 17:47      |
| 1,1-Dichloroethane          | < 3.62        | ug/Kg        |                  | 7/14/2015 17:47      |
| 1,1-Dichloroethene          | < 3.62        | ug/Kg        |                  | 7/14/2015 17:47      |
| 1,2,3-Trichlorobenzene      | < 9.06        | ug/Kg        |                  | 7/14/2015 17:47      |
| 1,2,4-Trichlorobenzene      | < 9.06        | ug/Kg        |                  | 7/14/2015 17:47      |
| 1,2-Dibromo-3-Chloropropane | < 18.1        | ug/Kg        |                  | 7/14/2015 17:47      |
| 1,2-Dibromoethane           | < 3.62        | ug/Kg        |                  | 7/14/2015 17:47      |
| 1,2-Dichlorobenzene         | < 3.62        | ug/Kg        |                  | 7/14/2015 17:47      |
| 1,2-Dichloroethane          | < 3.62        | ug/Kg        |                  | 7/14/2015 17:47      |
| 1,2-Dichloropropane         | < 3.62        | ug/Kg        |                  | 7/14/2015 17:47      |
| 1,3-Dichlorobenzene         | < 3.62        | ug/Kg        |                  | 7/14/2015 17:47      |
| 1,4-Dichlorobenzene         | < 3.62        | ug/Kg        |                  | 7/14/2015 17:47      |
| 1,4-dioxane                 | < 36.2        | ug/Kg        |                  | 7/14/2015 17:47      |
| 2-Butanone                  | < 18.1        | ug/Kg        |                  | 7/14/2015 17:47      |
| 2-Hexanone                  | < 9.06        | ug/Kg        |                  | 7/14/2015 17:47      |
| 4-Methyl-2-pentanone        | < 9.06        | ug/Kg        |                  | 7/14/2015 17:47      |
| Acetone                     | <b>47.4</b>   | ug/Kg        |                  | 7/14/2015 17:47      |
| Benzene                     | < 3.62        | ug/Kg        |                  | 7/14/2015 17:47      |
| Bromochloromethane          | < 9.06        | ug/Kg        |                  | 7/14/2015 17:47      |
| Bromodichloromethane        | < 3.62        | ug/Kg        |                  | 7/14/2015 17:47      |
| Bromoform                   | < 9.06        | ug/Kg        |                  | 7/14/2015 17:47      |
| Bromomethane                | < 3.62        | ug/Kg        |                  | 7/14/2015 17:47      |
| Carbon disulfide            | < 3.62        | ug/Kg        |                  | 7/14/2015 17:47      |
| Carbon Tetrachloride        | < 3.62        | ug/Kg        |                  | 7/14/2015 17:47      |
| Chlorobenzene               | < 3.62        | ug/Kg        |                  | 7/14/2015 17:47      |

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Lab Project ID: 152891

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

| Sample Identifier:        | OW-TP-03    |       |                |                 |
|---------------------------|-------------|-------|----------------|-----------------|
| Lab Sample ID:            | 152891-03   |       | Date Sampled:  | 7/13/2015       |
| Matrix:                   | Soil        |       | Date Received: | 7/13/2015       |
| Chloroethane              | < 3.62      | ug/Kg |                | 7/14/2015 17:47 |
| Chloroform                | < 3.62      | ug/Kg |                | 7/14/2015 17:47 |
| Chloromethane             | < 3.62      | ug/Kg |                | 7/14/2015 17:47 |
| cis-1,2-Dichloroethene    | < 3.62      | ug/Kg |                | 7/14/2015 17:47 |
| cis-1,3-Dichloropropene   | < 3.62      | ug/Kg |                | 7/14/2015 17:47 |
| Cyclohexane               | < 18.1      | ug/Kg |                | 7/14/2015 17:47 |
| Dibromochloromethane      | < 3.62      | ug/Kg |                | 7/14/2015 17:47 |
| Dichlorodifluoromethane   | < 3.62      | ug/Kg |                | 7/14/2015 17:47 |
| Ethylbenzene              | < 3.62      | ug/Kg |                | 7/14/2015 17:47 |
| Freon 113                 | < 3.62      | ug/Kg |                | 7/14/2015 17:47 |
| Isopropylbenzene          | < 3.62      | ug/Kg |                | 7/14/2015 17:47 |
| m,p-Xylene                | <b>2.02</b> | ug/Kg | J              | 7/14/2015 17:47 |
| Methyl acetate            | < 3.62      | ug/Kg |                | 7/14/2015 17:47 |
| Methyl tert-butyl Ether   | < 3.62      | ug/Kg |                | 7/14/2015 17:47 |
| Methylcyclohexane         | <b>1.88</b> | ug/Kg | J              | 7/14/2015 17:47 |
| Methylene chloride        | < 9.06      | ug/Kg |                | 7/14/2015 17:47 |
| o-Xylene                  | < 3.62      | ug/Kg |                | 7/14/2015 17:47 |
| Styrene                   | < 9.06      | ug/Kg |                | 7/14/2015 17:47 |
| Tetrachloroethene         | < 3.62      | ug/Kg |                | 7/14/2015 17:47 |
| Toluene                   | < 3.62      | ug/Kg |                | 7/14/2015 17:47 |
| trans-1,2-Dichloroethene  | < 3.62      | ug/Kg |                | 7/14/2015 17:47 |
| trans-1,3-Dichloropropene | < 3.62      | ug/Kg |                | 7/14/2015 17:47 |
| Trichloroethene           | < 3.62      | ug/Kg |                | 7/14/2015 17:47 |
| Trichlorofluoromethane    | < 3.62      | ug/Kg |                | 7/14/2015 17:47 |
| Vinyl chloride            | < 3.62      | ug/Kg |                | 7/14/2015 17:47 |

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Report Prepared Friday, July 17, 2015



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-03

**Lab Sample ID:** 152891-03

**Date Sampled:** 7/13/2015

**Matrix:** Soil

**Date Received:** 7/13/2015

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |       |
|-----------------------|-------------------------|---------------|-----------------|----------------------|-------|
| 1,2-Dichloroethane-d4 | <b>122</b>              | 80.6 - 125    |                 | 7/14/2015            | 17:47 |
| 4-Bromofluorobenzene  | <b>90.8</b>             | 86.6 - 111    |                 | 7/14/2015            | 17:47 |
| Pentafluorobenzene    | <b>89.8</b>             | 90.9 - 107    | *               | 7/14/2015            | 17:47 |
| Toluene-D8            | <b>94.4</b>             | 90.8 - 109    |                 | 7/14/2015            | 17:47 |

*Internal standard outliers indicate probable matrix interference*

**Method Reference(s):** EPA 8260C  
EPA 5035

**Data File:** x24585.D

*This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.*



**Lab Project ID:** 152891

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

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**Sample Identifier:** OW-TP-04

**Lab Sample ID:** 152891-04

**Date Sampled:** 7/13/2015

**Matrix:** Soil

**Date Received:** 7/13/2015

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**Mercury**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| Mercury                     | <b>0.0896</b> | mg/Kg        |                  | 7/16/2015 12:09      |
| <b>Method Reference(s):</b> | EPA 7471B     |              |                  |                      |
| <b>Preparation Date:</b>    | 7/15/2015     |              |                  |                      |
| <b>Data File:</b>           | Hg150716A     |              |                  |                      |

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*Report Prepared Friday, July 17, 2015*



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-04

**Lab Sample ID:** 152891-04

**Matrix:** Soil

**Date Sampled:** 7/13/2015

**Date Received:** 7/13/2015

**RCRA Metals (ICP)**

| <b>Analyte</b> | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic        | <b>8.95</b>   | mg/Kg        |                  | 7/16/2015 17:50      |
| Barium         | <b>32.3</b>   | mg/Kg        |                  | 7/16/2015 17:50      |
| Cadmium        | <b>0.181</b>  | mg/Kg        | J                | 7/16/2015 17:50      |
| Chromium       | <b>6.36</b>   | mg/Kg        |                  | 7/16/2015 17:50      |
| Lead           | <b>16.4</b>   | mg/Kg        |                  | 7/16/2015 17:50      |
| Selenium       | <b>0.337</b>  | mg/Kg        | J                | 7/17/2015 12:46      |
| Silver         | <b>0.305</b>  | mg/Kg        | J                | 7/16/2015 17:50      |

**Method Reference(s):** EPA 6010C  
EPA 3050  
**Preparation Date:** 7/16/2015  
**Data File:** 071615b

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**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-04

**Lab Sample ID:** 152891-04

**Matrix:** Soil

**Date Sampled:** 7/13/2015

**Date Received:** 7/13/2015

**PCBs**

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016       | < 0.0316      | mg/Kg        |                  | 7/16/2015 22:54      |
| PCB-1221       | < 0.0316      | mg/Kg        |                  | 7/16/2015 22:54      |
| PCB-1232       | < 0.0316      | mg/Kg        |                  | 7/16/2015 22:54      |
| PCB-1242       | < 0.0316      | mg/Kg        |                  | 7/16/2015 22:54      |
| PCB-1248       | < 0.0316      | mg/Kg        |                  | 7/16/2015 22:54      |
| PCB-1254       | < 0.0316      | mg/Kg        |                  | 7/16/2015 22:54      |
| PCB-1260       | < 0.0316      | mg/Kg        |                  | 7/16/2015 22:54      |
| PCB-1262       | < 0.0316      | mg/Kg        |                  | 7/16/2015 22:54      |
| PCB-1268       | < 0.0316      | mg/Kg        |                  | 7/16/2015 22:54      |

| <u>Surrogate</u>     | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl   | <b>55.9</b>             | 30.5 - 159    |                 | 7/16/2015 22:54      |
| Tetrachloro-m-xylene | <b>44.4</b>             | 23.2 - 144    |                 | 7/16/2015 22:54      |

**Method Reference(s):** EPA 8082A  
EPA 3550C  
**Preparation Date:** 7/16/2015

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Lab Project ID: 152891

Client: Lu Engineers, Inc.

Project Reference: Orchard-Whitney 4216-06

Sample Identifier: OW-TP-04

Lab Sample ID: 152891-04

Matrix: Soil

Date Sampled: 7/13/2015

Date Received: 7/13/2015

**Volatile Organics**

| Analyte                     | Result | Units | Qualifier | Date Analyzed   |
|-----------------------------|--------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane       | < 4.50 | ug/Kg |           | 7/14/2015 18:11 |
| 1,1,2,2-Tetrachloroethane   | < 4.50 | ug/Kg |           | 7/14/2015 18:11 |
| 1,1,2-Trichloroethane       | < 4.50 | ug/Kg |           | 7/14/2015 18:11 |
| 1,1-Dichloroethane          | < 4.50 | ug/Kg |           | 7/14/2015 18:11 |
| 1,1-Dichloroethene          | < 4.50 | ug/Kg |           | 7/14/2015 18:11 |
| 1,2,3-Trichlorobenzene      | < 11.2 | ug/Kg |           | 7/14/2015 18:11 |
| 1,2,4-Trichlorobenzene      | < 11.2 | ug/Kg |           | 7/14/2015 18:11 |
| 1,2-Dibromo-3-Chloropropane | < 22.5 | ug/Kg |           | 7/14/2015 18:11 |
| 1,2-Dibromoethane           | < 4.50 | ug/Kg |           | 7/14/2015 18:11 |
| 1,2-Dichlorobenzene         | < 4.50 | ug/Kg |           | 7/14/2015 18:11 |
| 1,2-Dichloroethane          | < 4.50 | ug/Kg |           | 7/14/2015 18:11 |
| 1,2-Dichloropropane         | < 4.50 | ug/Kg |           | 7/14/2015 18:11 |
| 1,3-Dichlorobenzene         | < 4.50 | ug/Kg |           | 7/14/2015 18:11 |
| 1,4-Dichlorobenzene         | < 4.50 | ug/Kg |           | 7/14/2015 18:11 |
| 1,4-dioxane                 | < 45.0 | ug/Kg |           | 7/14/2015 18:11 |
| 2-Butanone                  | < 22.5 | ug/Kg |           | 7/14/2015 18:11 |
| 2-Hexanone                  | < 11.2 | ug/Kg |           | 7/14/2015 18:11 |
| 4-Methyl-2-pentanone        | < 11.2 | ug/Kg |           | 7/14/2015 18:11 |
| Acetone                     | < 22.5 | ug/Kg |           | 7/14/2015 18:11 |
| Benzene                     | < 4.50 | ug/Kg |           | 7/14/2015 18:11 |
| Bromochloromethane          | < 11.2 | ug/Kg |           | 7/14/2015 18:11 |
| Bromodichloromethane        | < 4.50 | ug/Kg |           | 7/14/2015 18:11 |
| Bromoform                   | < 11.2 | ug/Kg |           | 7/14/2015 18:11 |
| Bromomethane                | < 4.50 | ug/Kg |           | 7/14/2015 18:11 |
| Carbon disulfide            | < 4.50 | ug/Kg |           | 7/14/2015 18:11 |
| Carbon Tetrachloride        | < 4.50 | ug/Kg |           | 7/14/2015 18:11 |
| Chlorobenzene               | < 4.50 | ug/Kg |           | 7/14/2015 18:11 |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 17, 2015



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-04

**Lab Sample ID:** 152891-04

**Date Sampled:** 7/13/2015

**Matrix:** Soil

**Date Received:** 7/13/2015

|                           |        |       |           |       |
|---------------------------|--------|-------|-----------|-------|
| Chloroethane              | < 4.50 | ug/Kg | 7/14/2015 | 18:11 |
| Chloroform                | < 4.50 | ug/Kg | 7/14/2015 | 18:11 |
| Chloromethane             | < 4.50 | ug/Kg | 7/14/2015 | 18:11 |
| cis-1,2-Dichloroethene    | < 4.50 | ug/Kg | 7/14/2015 | 18:11 |
| cis-1,3-Dichloropropene   | < 4.50 | ug/Kg | 7/14/2015 | 18:11 |
| Cyclohexane               | < 22.5 | ug/Kg | 7/14/2015 | 18:11 |
| Dibromochloromethane      | < 4.50 | ug/Kg | 7/14/2015 | 18:11 |
| Dichlorodifluoromethane   | < 4.50 | ug/Kg | 7/14/2015 | 18:11 |
| Ethylbenzene              | < 4.50 | ug/Kg | 7/14/2015 | 18:11 |
| Freon 113                 | < 4.50 | ug/Kg | 7/14/2015 | 18:11 |
| Isopropylbenzene          | < 4.50 | ug/Kg | 7/14/2015 | 18:11 |
| m,p-Xylene                | < 4.50 | ug/Kg | 7/14/2015 | 18:11 |
| Methyl acetate            | < 4.50 | ug/Kg | 7/14/2015 | 18:11 |
| Methyl tert-butyl Ether   | < 4.50 | ug/Kg | 7/14/2015 | 18:11 |
| Methylcyclohexane         | < 4.50 | ug/Kg | 7/14/2015 | 18:11 |
| Methylene chloride        | < 11.2 | ug/Kg | 7/14/2015 | 18:11 |
| o-Xylene                  | < 4.50 | ug/Kg | 7/14/2015 | 18:11 |
| Styrene                   | < 11.2 | ug/Kg | 7/14/2015 | 18:11 |
| Tetrachloroethene         | < 4.50 | ug/Kg | 7/14/2015 | 18:11 |
| Toluene                   | < 4.50 | ug/Kg | 7/14/2015 | 18:11 |
| trans-1,2-Dichloroethene  | < 4.50 | ug/Kg | 7/14/2015 | 18:11 |
| trans-1,3-Dichloropropene | < 4.50 | ug/Kg | 7/14/2015 | 18:11 |
| Trichloroethene           | < 4.50 | ug/Kg | 7/14/2015 | 18:11 |
| Trichlorofluoromethane    | < 4.50 | ug/Kg | 7/14/2015 | 18:11 |
| Vinyl chloride            | < 4.50 | ug/Kg | 7/14/2015 | 18:11 |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-04

**Lab Sample ID:** 152891-04

**Date Sampled:** 7/13/2015

**Matrix:** Soil

**Date Received:** 7/13/2015

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | <b>119</b>              | 80.6 - 125    |                 | 7/14/2015 18:11      |
| 4-Bromofluorobenzene  | <b>93.2</b>             | 86.6 - 111    |                 | 7/14/2015 18:11      |
| Pentafluorobenzene    | <b>93.8</b>             | 90.9 - 107    |                 | 7/14/2015 18:11      |
| Toluene-D8            | <b>96.3</b>             | 90.8 - 109    |                 | 7/14/2015 18:11      |

**Method Reference(s):** EPA 8260C  
EPA 5035

**Data File:** x24586.D

*This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.*





Lab Project ID: 152891

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

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**Sample Identifier:** OW-TP-05

**Lab Sample ID:** 152891-05

**Date Sampled:** 7/13/2015

**Matrix:** Soil

**Date Received:** 7/13/2015

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**Mercury**

| <b>Analyte</b>              | <b>Result</b>  | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|----------------|--------------|------------------|----------------------|
| Mercury                     | <b>0.00896</b> | mg/Kg        | J                | 7/16/2015 12:12      |
| <b>Method Reference(s):</b> | EPA 7471B      |              |                  |                      |
| <b>Preparation Date:</b>    | 7/15/2015      |              |                  |                      |
| <b>Data File:</b>           | Hg150716A      |              |                  |                      |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, July 17, 2015



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-05

**Lab Sample ID:** 152891-05

**Matrix:** Soil

**Date Sampled:** 7/13/2015

**Date Received:** 7/13/2015

**RCRA Metals (ICP)**

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic        | <b>2.80</b>   | mg/Kg        |                  | 7/16/2015 17:54      |
| Barium         | <b>20.0</b>   | mg/Kg        |                  | 7/16/2015 17:54      |
| Cadmium        | < 0.279       | mg/Kg        |                  | 7/16/2015 17:54      |
| Chromium       | <b>6.76</b>   | mg/Kg        |                  | 7/16/2015 17:54      |
| Lead           | <b>2.75</b>   | mg/Kg        |                  | 7/16/2015 17:54      |
| Selenium       | < 0.559       | mg/Kg        |                  | 7/16/2015 17:54      |
| Silver         | <b>0.502</b>  | mg/Kg        | J                | 7/16/2015 17:54      |

**Method Reference(s):** EPA 6010C  
EPA 3050  
**Preparation Date:** 7/16/2015  
**Data File:** 071615b

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**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-05

**Lab Sample ID:** 152891-05

**Matrix:** Soil

**Date Sampled:** 7/13/2015

**Date Received:** 7/13/2015

**PCBs**

| <b>Analyte</b> | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016       | < 0.0346      | mg/Kg        |                  | 7/16/2015 23:18      |
| PCB-1221       | < 0.0346      | mg/Kg        |                  | 7/16/2015 23:18      |
| PCB-1232       | < 0.0346      | mg/Kg        |                  | 7/16/2015 23:18      |
| PCB-1242       | < 0.0346      | mg/Kg        |                  | 7/16/2015 23:18      |
| PCB-1248       | < 0.0346      | mg/Kg        |                  | 7/16/2015 23:18      |
| PCB-1254       | < 0.0346      | mg/Kg        |                  | 7/16/2015 23:18      |
| PCB-1260       | < 0.0346      | mg/Kg        |                  | 7/16/2015 23:18      |
| PCB-1262       | < 0.0346      | mg/Kg        |                  | 7/16/2015 23:18      |
| PCB-1268       | < 0.0346      | mg/Kg        |                  | 7/16/2015 23:18      |

| <b>Surrogate</b>     | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl   | <b>72.5</b>             | 30.5 - 159    |                 | 7/16/2015 23:18      |
| Tetrachloro-m-xylene | <b>33.5</b>             | 23.2 - 144    |                 | 7/16/2015 23:18      |

**Method Reference(s):** EPA 8082A  
EPA 3550C  
**Preparation Date:** 7/16/2015

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Lab Project ID: 152891

Client: Lu Engineers, Inc.

Project Reference: Orchard-Whitney 4216-06

Sample Identifier: OW-TP-05

Lab Sample ID: 152891-05

Matrix: Soil

Date Sampled: 7/13/2015

Date Received: 7/13/2015

**Volatile Organics**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| 1,1,1-Trichloroethane       | < 4.16        | ug/Kg        |                  | 7/14/2015 18:36      |
| 1,1,2,2-Tetrachloroethane   | < 4.16        | ug/Kg        |                  | 7/14/2015 18:36      |
| 1,1,2-Trichloroethane       | < 4.16        | ug/Kg        |                  | 7/14/2015 18:36      |
| 1,1-Dichloroethane          | < 4.16        | ug/Kg        |                  | 7/14/2015 18:36      |
| 1,1-Dichloroethene          | < 4.16        | ug/Kg        |                  | 7/14/2015 18:36      |
| 1,2,3-Trichlorobenzene      | < 10.4        | ug/Kg        |                  | 7/14/2015 18:36      |
| 1,2,4-Trichlorobenzene      | < 10.4        | ug/Kg        |                  | 7/14/2015 18:36      |
| 1,2-Dibromo-3-Chloropropane | < 20.8        | ug/Kg        |                  | 7/14/2015 18:36      |
| 1,2-Dibromoethane           | < 4.16        | ug/Kg        |                  | 7/14/2015 18:36      |
| 1,2-Dichlorobenzene         | < 4.16        | ug/Kg        |                  | 7/14/2015 18:36      |
| 1,2-Dichloroethane          | < 4.16        | ug/Kg        |                  | 7/14/2015 18:36      |
| 1,2-Dichloropropane         | < 4.16        | ug/Kg        |                  | 7/14/2015 18:36      |
| 1,3-Dichlorobenzene         | < 4.16        | ug/Kg        |                  | 7/14/2015 18:36      |
| 1,4-Dichlorobenzene         | < 4.16        | ug/Kg        |                  | 7/14/2015 18:36      |
| 1,4-dioxane                 | < 41.6        | ug/Kg        |                  | 7/14/2015 18:36      |
| 2-Butanone                  | < 20.8        | ug/Kg        |                  | 7/14/2015 18:36      |
| 2-Hexanone                  | < 10.4        | ug/Kg        |                  | 7/14/2015 18:36      |
| 4-Methyl-2-pentanone        | < 10.4        | ug/Kg        |                  | 7/14/2015 18:36      |
| Acetone                     | < 20.8        | ug/Kg        |                  | 7/14/2015 18:36      |
| Benzene                     | < 4.16        | ug/Kg        |                  | 7/14/2015 18:36      |
| Bromochloromethane          | < 10.4        | ug/Kg        |                  | 7/14/2015 18:36      |
| Bromodichloromethane        | < 4.16        | ug/Kg        |                  | 7/14/2015 18:36      |
| Bromoform                   | < 10.4        | ug/Kg        |                  | 7/14/2015 18:36      |
| Bromomethane                | < 4.16        | ug/Kg        |                  | 7/14/2015 18:36      |
| Carbon disulfide            | < 4.16        | ug/Kg        |                  | 7/14/2015 18:36      |
| Carbon Tetrachloride        | < 4.16        | ug/Kg        |                  | 7/14/2015 18:36      |
| Chlorobenzene               | < 4.16        | ug/Kg        |                  | 7/14/2015 18:36      |

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Report Prepared Friday, July 17, 2015



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-05

**Lab Sample ID:** 152891-05

**Date Sampled:** 7/13/2015

**Matrix:** Soil

**Date Received:** 7/13/2015

|                           |        |       |           |       |
|---------------------------|--------|-------|-----------|-------|
| Chloroethane              | < 4.16 | ug/Kg | 7/14/2015 | 18:36 |
| Chloroform                | < 4.16 | ug/Kg | 7/14/2015 | 18:36 |
| Chloromethane             | < 4.16 | ug/Kg | 7/14/2015 | 18:36 |
| cis-1,2-Dichloroethene    | < 4.16 | ug/Kg | 7/14/2015 | 18:36 |
| cis-1,3-Dichloropropene   | < 4.16 | ug/Kg | 7/14/2015 | 18:36 |
| Cyclohexane               | < 20.8 | ug/Kg | 7/14/2015 | 18:36 |
| Dibromochloromethane      | < 4.16 | ug/Kg | 7/14/2015 | 18:36 |
| Dichlorodifluoromethane   | < 4.16 | ug/Kg | 7/14/2015 | 18:36 |
| Ethylbenzene              | < 4.16 | ug/Kg | 7/14/2015 | 18:36 |
| Freon 113                 | < 4.16 | ug/Kg | 7/14/2015 | 18:36 |
| Isopropylbenzene          | < 4.16 | ug/Kg | 7/14/2015 | 18:36 |
| m,p-Xylene                | < 4.16 | ug/Kg | 7/14/2015 | 18:36 |
| Methyl acetate            | < 4.16 | ug/Kg | 7/14/2015 | 18:36 |
| Methyl tert-butyl Ether   | < 4.16 | ug/Kg | 7/14/2015 | 18:36 |
| Methylcyclohexane         | < 4.16 | ug/Kg | 7/14/2015 | 18:36 |
| Methylene chloride        | < 10.4 | ug/Kg | 7/14/2015 | 18:36 |
| o-Xylene                  | < 4.16 | ug/Kg | 7/14/2015 | 18:36 |
| Styrene                   | < 10.4 | ug/Kg | 7/14/2015 | 18:36 |
| Tetrachloroethene         | < 4.16 | ug/Kg | 7/14/2015 | 18:36 |
| Toluene                   | < 4.16 | ug/Kg | 7/14/2015 | 18:36 |
| trans-1,2-Dichloroethene  | < 4.16 | ug/Kg | 7/14/2015 | 18:36 |
| trans-1,3-Dichloropropene | < 4.16 | ug/Kg | 7/14/2015 | 18:36 |
| Trichloroethene           | < 4.16 | ug/Kg | 7/14/2015 | 18:36 |
| Trichlorofluoromethane    | < 4.16 | ug/Kg | 7/14/2015 | 18:36 |
| Vinyl chloride            | < 4.16 | ug/Kg | 7/14/2015 | 18:36 |

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**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-05

**Lab Sample ID:** 152891-05

**Date Sampled:** 7/13/2015

**Matrix:** Soil

**Date Received:** 7/13/2015

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | <b>115</b>              | 80.6 - 125    |                 | 7/14/2015 18:36      |
| 4-Bromofluorobenzene  | <b>88.3</b>             | 86.6 - 111    |                 | 7/14/2015 18:36      |
| Pentafluorobenzene    | <b>95.7</b>             | 90.9 - 107    |                 | 7/14/2015 18:36      |
| Toluene-D8            | <b>96.8</b>             | 90.8 - 109    |                 | 7/14/2015 18:36      |

**Method Reference(s):** EPA 8260C  
EPA 5035

**Data File:** x24587.D

*This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.*



## Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

*"<" = Analyzed for but not detected at or above the quantitation limit.*

*"E" = Result has been estimated, calibration limit exceeded.*

*"Z" = See case narrative.*

*"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.*

*"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.*

*"B" = Method blank contained trace levels of analyte. Refer to included method blank report.*

*"J" = Result estimated between the quantitation limit and half the quantitation limit.*

*"L" = Laboratory Control Sample recovery outside accepted QC limits.*

*"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.*  
*"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.*

*"\*" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

*"(1)" = Indicates data from primary column used for QC calculation.*

# GENERAL TERMS AND CONDITIONS

## LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term, or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

### **Warranty.**

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

### **Scope and Compensation.**

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

### **Prices.**

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

### **Limitations of Liability.**

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

### **Hazard Disclosure.**

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

### **Sample Handling.**

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises. Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

### **Legal Responsibility.**

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

### **Assignment.**

LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

### **Force Majeure.**

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

### **Law.**

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.



# CHAIN OF CUSTODY



**REPORT TO:**

**INVOICE TO:**

**LAB PROJECT ID**

|                                   |                            |                                           |
|-----------------------------------|----------------------------|-------------------------------------------|
| <b>CLIENT:</b> Lu Engineers       | <b>CLIENT:</b> Same        | <b>LAB PROJECT ID</b> 152891              |
| <b>ADDRESS:</b> 125 Sullivan Road | <b>ADDRESS:</b> Same       | <b>Quotation #:</b>                       |
| <b>CITY:</b> Pittsford NY         | <b>CITY:</b> Pittsford NY  | <b>State:</b> NY                          |
| <b>PHONE:</b> 585-385-7414        | <b>PHONE:</b> 585-385-7414 | <b>ZIP:</b> 14534                         |
| <b>ATTN:</b> AM CHEGEMERRE        | <b>ATTN:</b>               | <b>Email:</b> acheremetre@luengineers.com |

**PROJECT REFERENCE**  
Richard-Whitney  
4216-06

**Matrix Codes:**  
AQ - Aqueous Liquid  
NQ - Non-Aqueous Liquid

WA - Water  
WG - Groundwater

DW - Drinking Water  
WW - Wastewater

SO - Soil  
SL - Sludge

SD - Solid  
PT - Paint

WP - Wipe  
CK - Caulk

OL - Oil  
AR - Air

**REQUESTED ANALYSIS**

| DATE COLLECTED | TIME COLLECTED | COMPOSITE | GARAB | SAMPLE IDENTIFIER | MATRIX | ANALYSIS      | NO. OF REPEATS | REMARKS | PARADIGM LAB SAMPLE NUMBER |
|----------------|----------------|-----------|-------|-------------------|--------|---------------|----------------|---------|----------------------------|
| 7/13/15        | 0940           | X         | X     | DW-TP-01          |        | TCL VOC 8260  | 2              |         | 01                         |
|                | 1045           | X         | X     | DW-TP-02          |        | PCPA MET. 602 | 2              |         | 02                         |
|                | 1205           | X         | X     | OW-TP-03          |        | PCB 808       | 2              |         | 03                         |
|                | 1325           | X         | X     | OW-TP-04          |        |               | 2              |         | 04                         |
|                | 1425           | X         | X     | DW-TP-05          |        |               | 2              |         | 05                         |
|                |                |           |       |                   |        |               |                |         |                            |
|                |                |           |       |                   |        |               |                |         |                            |
|                |                |           |       |                   |        |               |                |         |                            |
|                |                |           |       |                   |        |               |                |         |                            |
|                |                |           |       |                   |        |               |                |         |                            |
|                |                |           |       |                   |        |               |                |         |                            |
|                |                |           |       |                   |        |               |                |         |                            |

|                                                                       |                                                |
|-----------------------------------------------------------------------|------------------------------------------------|
| <b>Turnaround Time</b>                                                | <b>Report Supplements</b>                      |
| Availability contingent upon lab approval; additional fees may apply. |                                                |
| Standard 5 day <input checked="" type="checkbox"/>                    | Batch QC <input type="checkbox"/>              |
| Rush 3 day <input type="checkbox"/>                                   | Category A <input type="checkbox"/>            |
| Rush 2 day <input type="checkbox"/>                                   | Category B <input checked="" type="checkbox"/> |
| Rush 1 day <input type="checkbox"/>                                   | Other <input type="checkbox"/>                 |
| Other <input type="checkbox"/>                                        | Other EDD <input type="checkbox"/>             |
|                                                                       | Other please indicate: _____                   |

**AWI CHEGEMERRE**

**Sampled By:** [Signature] **Date/Time:** 7/13/15 1430

**Relinquished By:** [Signature] **Date/Time:** 7/13/15 1510

**Received By:** [Signature] **Date/Time:** 7/13/15 1518

**Received @ Lab By:** [Signature] **Date/Time:** 7/13/15 1518

**Total Cost:** [ ]

**PLF:** [ ]

QC received started in field  
Custody seals w/A, samples delivered by client 6/27/15



### Chain of Custody Supplement

Client: Lu Engineers  
 Lab Project ID: 152891

Completed by: Glenn Pezzuto  
 Date: 7/13/15

#### Sample Condition Requirements Per NELAC/ELAP 210/241/242/243/244

| Condition                                  | <i>NELAC compliance with the sample condition requirements upon receipt</i> |                                          |                                            |
|--------------------------------------------|-----------------------------------------------------------------------------|------------------------------------------|--------------------------------------------|
|                                            | Yes                                                                         | No                                       | N/A                                        |
| Container Type                             | <input checked="" type="checkbox"/>                                         | <input checked="" type="checkbox"/> SoBS | <input type="checkbox"/>                   |
| Comments                                   | _____                                                                       |                                          |                                            |
| Transferred to method-compliant container  | <input type="checkbox"/>                                                    | <input type="checkbox"/>                 | <input checked="" type="checkbox"/>        |
| Headspace (<1 mL)                          | <input type="checkbox"/>                                                    | <input type="checkbox"/>                 | <input checked="" type="checkbox"/>        |
| Comments                                   | _____                                                                       |                                          |                                            |
| Preservation                               | <input type="checkbox"/>                                                    | <input type="checkbox"/>                 | <input checked="" type="checkbox"/>        |
| Comments                                   | _____                                                                       |                                          |                                            |
| Chlorine Absent (<0.10 ppm per test strip) | <input type="checkbox"/>                                                    | <input type="checkbox"/>                 | <input checked="" type="checkbox"/>        |
| Comments                                   | _____                                                                       |                                          |                                            |
| Holding Time                               | <input checked="" type="checkbox"/>                                         | <input type="checkbox"/>                 | <input type="checkbox"/>                   |
| Comments                                   | _____                                                                       |                                          |                                            |
| Temperature                                | <input checked="" type="checkbox"/>                                         | <input type="checkbox"/>                 | <input checked="" type="checkbox"/> metals |
| Comments                                   | <u>8°C iced started in field</u>                                            |                                          |                                            |
| Sufficient Sample Quantity                 | <input checked="" type="checkbox"/>                                         | <input type="checkbox"/>                 | <input type="checkbox"/>                   |
| Comments                                   | _____                                                                       |                                          |                                            |



**Lab Project ID:** 152918

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

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**Sample Identifier:** OW-TP-06

**Lab Sample ID:** 152918-01

**Date Sampled:** 7/14/2015

**Matrix:** Soil

**Date Received:** 7/14/2015

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**Mercury**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| Mercury                     | <b>0.0124</b> | mg/Kg        |                  | 7/16/2015 14:08      |
| <b>Method Reference(s):</b> | EPA 7471B     |              |                  |                      |
| <b>Preparation Date:</b>    | 7/15/2015     |              |                  |                      |
| <b>Data File:</b>           | Hg150716B     |              |                  |                      |

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*Report Prepared Monday, July 20, 2015*



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-06

**Lab Sample ID:** 152918-01

**Matrix:** Soil

**Date Sampled:** 7/14/2015

**Date Received:** 7/14/2015

**RCRA Metals (ICP)**

| <b>Analyte</b> | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic        | <b>4.59</b>   | mg/Kg        |                  | 7/16/2015 19:07      |
| Barium         | <b>42.3</b>   | mg/Kg        | M                | 7/16/2015 19:07      |
| Cadmium        | <b>0.269</b>  | mg/Kg        | JM               | 7/16/2015 19:07      |
| Chromium       | <b>8.67</b>   | mg/Kg        | D                | 7/16/2015 19:07      |
| Lead           | <b>3.40</b>   | mg/Kg        | M                | 7/16/2015 19:07      |
| Selenium       | <b>0.678</b>  | mg/Kg        | M                | 7/17/2015 12:54      |
| Silver         | < 0.547       | mg/Kg        |                  | 7/16/2015 19:07      |

**Method Reference(s):** EPA 6010C  
EPA 3050  
**Preparation Date:** 7/16/2015  
**Data File:** 071615b

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**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-06

**Lab Sample ID:** 152918-01

**Matrix:** Soil

**Date Sampled:** 7/14/2015

**Date Received:** 7/14/2015

**PCBs**

| <b>Analyte</b> | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016       | < 0.0329      | mg/Kg        |                  | 7/16/2015 23:41      |
| PCB-1221       | < 0.0329      | mg/Kg        |                  | 7/16/2015 23:41      |
| PCB-1232       | < 0.0329      | mg/Kg        |                  | 7/16/2015 23:41      |
| PCB-1242       | < 0.0329      | mg/Kg        |                  | 7/16/2015 23:41      |
| PCB-1248       | < 0.0329      | mg/Kg        |                  | 7/16/2015 23:41      |
| PCB-1254       | < 0.0329      | mg/Kg        |                  | 7/16/2015 23:41      |
| PCB-1260       | < 0.0329      | mg/Kg        |                  | 7/16/2015 23:41      |
| PCB-1262       | < 0.0329      | mg/Kg        |                  | 7/16/2015 23:41      |
| PCB-1268       | < 0.0329      | mg/Kg        |                  | 7/16/2015 23:41      |

| <b>Surrogate</b>     | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl   | <b>74.1</b>             | 30.5 - 159    |                 | 7/16/2015 23:41      |
| Tetrachloro-m-xylene | <b>61.3</b>             | 23.2 - 144    |                 | 7/16/2015 23:41      |

**Method Reference(s):** EPA 8082A  
EPA 3550C  
**Preparation Date:** 7/16/2015

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**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-06

**Lab Sample ID:** 152918-01

**Matrix:** Soil

**Date Sampled:** 7/14/2015

**Date Received:** 7/14/2015

**Volatile Organics**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| 1,1,1-Trichloroethane       | < 3.77        | ug/Kg        |                  | 7/14/2015 21:21      |
| 1,1,2,2-Tetrachloroethane   | < 3.77        | ug/Kg        |                  | 7/14/2015 21:21      |
| 1,1,2-Trichloroethane       | < 3.77        | ug/Kg        |                  | 7/14/2015 21:21      |
| 1,1-Dichloroethane          | < 3.77        | ug/Kg        |                  | 7/14/2015 21:21      |
| 1,1-Dichloroethene          | < 3.77        | ug/Kg        |                  | 7/14/2015 21:21      |
| 1,2,3-Trichlorobenzene      | < 9.43        | ug/Kg        |                  | 7/14/2015 21:21      |
| 1,2,4-Trichlorobenzene      | < 9.43        | ug/Kg        |                  | 7/14/2015 21:21      |
| 1,2-Dibromo-3-Chloropropane | < 18.9        | ug/Kg        |                  | 7/14/2015 21:21      |
| 1,2-Dibromoethane           | < 3.77        | ug/Kg        |                  | 7/14/2015 21:21      |
| 1,2-Dichlorobenzene         | < 3.77        | ug/Kg        |                  | 7/14/2015 21:21      |
| 1,2-Dichloroethane          | < 3.77        | ug/Kg        |                  | 7/14/2015 21:21      |
| 1,2-Dichloropropane         | < 3.77        | ug/Kg        |                  | 7/14/2015 21:21      |
| 1,3-Dichlorobenzene         | < 3.77        | ug/Kg        |                  | 7/14/2015 21:21      |
| 1,4-Dichlorobenzene         | < 3.77        | ug/Kg        |                  | 7/14/2015 21:21      |
| 1,4-dioxane                 | < 37.7        | ug/Kg        |                  | 7/14/2015 21:21      |
| 2-Butanone                  | < 18.9        | ug/Kg        |                  | 7/14/2015 21:21      |
| 2-Hexanone                  | < 9.43        | ug/Kg        |                  | 7/14/2015 21:21      |
| 4-Methyl-2-pentanone        | < 9.43        | ug/Kg        |                  | 7/14/2015 21:21      |
| Acetone                     | < 18.9        | ug/Kg        |                  | 7/14/2015 21:21      |
| Benzene                     | < 3.77        | ug/Kg        |                  | 7/14/2015 21:21      |
| Bromochloromethane          | < 9.43        | ug/Kg        |                  | 7/14/2015 21:21      |
| Bromodichloromethane        | < 3.77        | ug/Kg        |                  | 7/14/2015 21:21      |
| Bromoform                   | < 9.43        | ug/Kg        |                  | 7/14/2015 21:21      |
| Bromomethane                | < 3.77        | ug/Kg        |                  | 7/14/2015 21:21      |
| Carbon disulfide            | < 3.77        | ug/Kg        |                  | 7/14/2015 21:21      |
| Carbon Tetrachloride        | < 3.77        | ug/Kg        |                  | 7/14/2015 21:21      |
| Chlorobenzene               | < 3.77        | ug/Kg        |                  | 7/14/2015 21:21      |

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**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-06

**Lab Sample ID:** 152918-01

**Date Sampled:** 7/14/2015

**Matrix:** Soil

**Date Received:** 7/14/2015

|                           |        |       |           |       |
|---------------------------|--------|-------|-----------|-------|
| Chloroethane              | < 3.77 | ug/Kg | 7/14/2015 | 21:21 |
| Chloroform                | < 3.77 | ug/Kg | 7/14/2015 | 21:21 |
| Chloromethane             | < 3.77 | ug/Kg | 7/14/2015 | 21:21 |
| cis-1,2-Dichloroethene    | < 3.77 | ug/Kg | 7/14/2015 | 21:21 |
| cis-1,3-Dichloropropene   | < 3.77 | ug/Kg | 7/14/2015 | 21:21 |
| Cyclohexane               | < 18.9 | ug/Kg | 7/14/2015 | 21:21 |
| Dibromochloromethane      | < 3.77 | ug/Kg | 7/14/2015 | 21:21 |
| Dichlorodifluoromethane   | < 3.77 | ug/Kg | 7/14/2015 | 21:21 |
| Ethylbenzene              | < 3.77 | ug/Kg | 7/14/2015 | 21:21 |
| Freon 113                 | < 3.77 | ug/Kg | 7/14/2015 | 21:21 |
| Isopropylbenzene          | < 3.77 | ug/Kg | 7/14/2015 | 21:21 |
| m,p-Xylene                | < 3.77 | ug/Kg | 7/14/2015 | 21:21 |
| Methyl acetate            | < 3.77 | ug/Kg | 7/14/2015 | 21:21 |
| Methyl tert-butyl Ether   | < 3.77 | ug/Kg | 7/14/2015 | 21:21 |
| Methylcyclohexane         | < 3.77 | ug/Kg | 7/14/2015 | 21:21 |
| Methylene chloride        | < 9.43 | ug/Kg | 7/14/2015 | 21:21 |
| o-Xylene                  | < 3.77 | ug/Kg | 7/14/2015 | 21:21 |
| Styrene                   | < 9.43 | ug/Kg | 7/14/2015 | 21:21 |
| Tetrachloroethene         | < 3.77 | ug/Kg | 7/14/2015 | 21:21 |
| Toluene                   | < 3.77 | ug/Kg | 7/14/2015 | 21:21 |
| trans-1,2-Dichloroethene  | < 3.77 | ug/Kg | 7/14/2015 | 21:21 |
| trans-1,3-Dichloropropene | < 3.77 | ug/Kg | 7/14/2015 | 21:21 |
| Trichloroethene           | < 3.77 | ug/Kg | 7/14/2015 | 21:21 |
| Trichlorofluoromethane    | < 3.77 | ug/Kg | 7/14/2015 | 21:21 |
| Vinyl chloride            | < 3.77 | ug/Kg | 7/14/2015 | 21:21 |

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**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-06

**Lab Sample ID:** 152918-01

**Date Sampled:** 7/14/2015

**Matrix:** Soil

**Date Received:** 7/14/2015

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | <b>111</b>              | 80.6 - 125    |                 | 7/14/2015 21:21      |
| 4-Bromofluorobenzene  | <b>96.4</b>             | 86.6 - 111    |                 | 7/14/2015 21:21      |
| Pentafluorobenzene    | <b>98.1</b>             | 90.9 - 107    |                 | 7/14/2015 21:21      |
| Toluene-D8            | <b>99.7</b>             | 90.8 - 109    |                 | 7/14/2015 21:21      |

**Method Reference(s):** EPA 8260C  
EPA 5035

**Data File:** x24594.D

*This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.*





**Lab Project ID:** 152918

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

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**Sample Identifier:** OW-TP-07

**Lab Sample ID:** 152918-02

**Date Sampled:** 7/14/2015

**Matrix:** Soil

**Date Received:** 7/14/2015

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**Mercury**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| Mercury                     | <b>0.0803</b> | mg/Kg        |                  | 7/16/2015 14:18      |
| <b>Method Reference(s):</b> | EPA 7471B     |              |                  |                      |
| <b>Preparation Date:</b>    | 7/15/2015     |              |                  |                      |
| <b>Data File:</b>           | Hg150716B     |              |                  |                      |

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*Report Prepared Monday, July 20, 2015*



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-07

**Lab Sample ID:** 152918-02

**Matrix:** Soil

**Date Sampled:** 7/14/2015

**Date Received:** 7/14/2015

**RCRA Metals (ICP)**

| <b>Analyte</b> | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic        | <b>29.2</b>   | mg/Kg        |                  | 7/15/2015 16:48      |
| Barium         | <b>727</b>    | mg/Kg        |                  | 7/15/2015 16:48      |
| Cadmium        | <b>1.51</b>   | mg/Kg        |                  | 7/15/2015 16:48      |
| Chromium       | <b>19.6</b>   | mg/Kg        |                  | 7/15/2015 16:48      |
| Lead           | <b>383</b>    | mg/Kg        |                  | 7/15/2015 16:48      |
| Selenium       | <b>3.16</b>   | mg/Kg        |                  | 7/16/2015 12:35      |
| Silver         | <b>1.12</b>   | mg/Kg        |                  | 7/15/2015 16:48      |

**Method Reference(s):** EPA 6010C  
EPA 3050  
**Preparation Date:** 7/15/2015  
**Data File:** 071515b

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**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-07

**Lab Sample ID:** 152918-02

**Matrix:** Soil

**Date Sampled:** 7/14/2015

**Date Received:** 7/14/2015

**PCBs**

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016       | < 1.78        | mg/Kg        |                  | 7/20/2015 09:53      |
| PCB-1221       | < 1.78        | mg/Kg        |                  | 7/20/2015 09:53      |
| PCB-1232       | < 1.78        | mg/Kg        |                  | 7/20/2015 09:53      |
| PCB-1242       | < 1.78        | mg/Kg        |                  | 7/20/2015 09:53      |
| PCB-1248       | < 1.78        | mg/Kg        |                  | 7/20/2015 09:53      |
| PCB-1254       | < 1.78        | mg/Kg        |                  | 7/20/2015 09:53      |
| PCB-1260       | < 1.78        | mg/Kg        |                  | 7/20/2015 09:53      |
| PCB-1262       | < 1.78        | mg/Kg        |                  | 7/20/2015 09:53      |
| PCB-1268       | <b>20.3</b>   | mg/Kg        |                  | 7/20/2015 09:53      |

| <u>Surrogate</u>     | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl   | NC                      | 30.5 - 159    |                 | 7/20/2015 09:53      |
| Tetrachloro-m-xylene | NC                      | 23.2 - 144    |                 | 7/20/2015 09:53      |

**Method Reference(s):** EPA 8082A  
EPA 3550C  
**Preparation Date:** 7/16/2015

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**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-07

**Lab Sample ID:** 152918-02

**Matrix:** Soil

**Date Sampled:** 7/14/2015

**Date Received:** 7/14/2015

**Volatile Organics**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| 1,1,1-Trichloroethane       | < 4.70        | ug/Kg        |                  | 7/14/2015 21:45      |
| 1,1,2,2-Tetrachloroethane   | < 4.70        | ug/Kg        |                  | 7/14/2015 21:45      |
| 1,1,2-Trichloroethane       | < 4.70        | ug/Kg        |                  | 7/14/2015 21:45      |
| 1,1-Dichloroethane          | < 4.70        | ug/Kg        |                  | 7/14/2015 21:45      |
| 1,1-Dichloroethene          | < 4.70        | ug/Kg        |                  | 7/14/2015 21:45      |
| 1,2,3-Trichlorobenzene      | < 11.7        | ug/Kg        |                  | 7/14/2015 21:45      |
| 1,2,4-Trichlorobenzene      | < 11.7        | ug/Kg        |                  | 7/14/2015 21:45      |
| 1,2-Dibromo-3-Chloropropane | < 23.5        | ug/Kg        |                  | 7/14/2015 21:45      |
| 1,2-Dibromoethane           | < 4.70        | ug/Kg        |                  | 7/14/2015 21:45      |
| 1,2-Dichlorobenzene         | < 4.70        | ug/Kg        |                  | 7/14/2015 21:45      |
| 1,2-Dichloroethane          | < 4.70        | ug/Kg        |                  | 7/14/2015 21:45      |
| 1,2-Dichloropropane         | < 4.70        | ug/Kg        |                  | 7/14/2015 21:45      |
| 1,3-Dichlorobenzene         | < 4.70        | ug/Kg        |                  | 7/14/2015 21:45      |
| 1,4-Dichlorobenzene         | < 4.70        | ug/Kg        |                  | 7/14/2015 21:45      |
| 1,4-dioxane                 | < 47.0        | ug/Kg        |                  | 7/14/2015 21:45      |
| 2-Butanone                  | < 23.5        | ug/Kg        |                  | 7/14/2015 21:45      |
| 2-Hexanone                  | < 11.7        | ug/Kg        |                  | 7/14/2015 21:45      |
| 4-Methyl-2-pentanone        | < 11.7        | ug/Kg        |                  | 7/14/2015 21:45      |
| Acetone                     | < 23.5        | ug/Kg        |                  | 7/14/2015 21:45      |
| Benzene                     | < 4.70        | ug/Kg        |                  | 7/14/2015 21:45      |
| Bromochloromethane          | < 11.7        | ug/Kg        |                  | 7/14/2015 21:45      |
| Bromodichloromethane        | < 4.70        | ug/Kg        |                  | 7/14/2015 21:45      |
| Bromoform                   | < 11.7        | ug/Kg        |                  | 7/14/2015 21:45      |
| Bromomethane                | < 4.70        | ug/Kg        |                  | 7/14/2015 21:45      |
| Carbon disulfide            | < 4.70        | ug/Kg        |                  | 7/14/2015 21:45      |
| Carbon Tetrachloride        | < 4.70        | ug/Kg        |                  | 7/14/2015 21:45      |
| Chlorobenzene               | < 4.70        | ug/Kg        |                  | 7/14/2015 21:45      |

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Lab Project ID: 152918

Client: Lu Engineers, Inc.

Project Reference: Orchard-Whitney 4216-06

Sample Identifier: OW-TP-07

Lab Sample ID: 152918-02

Date Sampled: 7/14/2015

Matrix: Soil

Date Received: 7/14/2015

|                           |        |       |           |       |
|---------------------------|--------|-------|-----------|-------|
| Chloroethane              | < 4.70 | ug/Kg | 7/14/2015 | 21:45 |
| Chloroform                | < 4.70 | ug/Kg | 7/14/2015 | 21:45 |
| Chloromethane             | < 4.70 | ug/Kg | 7/14/2015 | 21:45 |
| cis-1,2-Dichloroethene    | < 4.70 | ug/Kg | 7/14/2015 | 21:45 |
| cis-1,3-Dichloropropene   | < 4.70 | ug/Kg | 7/14/2015 | 21:45 |
| Cyclohexane               | < 23.5 | ug/Kg | 7/14/2015 | 21:45 |
| Dibromochloromethane      | < 4.70 | ug/Kg | 7/14/2015 | 21:45 |
| Dichlorodifluoromethane   | < 4.70 | ug/Kg | 7/14/2015 | 21:45 |
| Ethylbenzene              | < 4.70 | ug/Kg | 7/14/2015 | 21:45 |
| Freon 113                 | < 4.70 | ug/Kg | 7/14/2015 | 21:45 |
| Isopropylbenzene          | < 4.70 | ug/Kg | 7/14/2015 | 21:45 |
| m,p-Xylene                | < 4.70 | ug/Kg | 7/14/2015 | 21:45 |
| Methyl acetate            | < 4.70 | ug/Kg | 7/14/2015 | 21:45 |
| Methyl tert-butyl Ether   | < 4.70 | ug/Kg | 7/14/2015 | 21:45 |
| Methylcyclohexane         | < 4.70 | ug/Kg | 7/14/2015 | 21:45 |
| Methylene chloride        | < 11.7 | ug/Kg | 7/14/2015 | 21:45 |
| o-Xylene                  | < 4.70 | ug/Kg | 7/14/2015 | 21:45 |
| Styrene                   | < 11.7 | ug/Kg | 7/14/2015 | 21:45 |
| Tetrachloroethene         | < 4.70 | ug/Kg | 7/14/2015 | 21:45 |
| Toluene                   | < 4.70 | ug/Kg | 7/14/2015 | 21:45 |
| trans-1,2-Dichloroethene  | < 4.70 | ug/Kg | 7/14/2015 | 21:45 |
| trans-1,3-Dichloropropene | < 4.70 | ug/Kg | 7/14/2015 | 21:45 |
| Trichloroethene           | < 4.70 | ug/Kg | 7/14/2015 | 21:45 |
| Trichlorofluoromethane    | < 4.70 | ug/Kg | 7/14/2015 | 21:45 |
| Vinyl chloride            | < 4.70 | ug/Kg | 7/14/2015 | 21:45 |

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Report Prepared Monday, July 20, 2015



**Client:** **Lu Engineers, Inc.**

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-07

**Lab Sample ID:** 152918-02

**Date Sampled:** 7/14/2015

**Matrix:** Soil

**Date Received:** 7/14/2015

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |       |
|-----------------------|-------------------------|---------------|-----------------|----------------------|-------|
| 1,2-Dichloroethane-d4 | <b>110</b>              | 80.6 - 125    |                 | 7/14/2015            | 21:45 |
| 4-Bromofluorobenzene  | <b>81.4</b>             | 86.6 - 111    | *               | 7/14/2015            | 21:45 |
| Pentafluorobenzene    | <b>97.9</b>             | 90.9 - 107    |                 | 7/14/2015            | 21:45 |
| Toluene-D8            | <b>95.6</b>             | 90.8 - 109    |                 | 7/14/2015            | 21:45 |

**Method Reference(s):** EPA 8260C  
EPA 5035

**Data File:** x24595.D

*This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.*



**Lab Project ID:** 152918

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

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**Sample Identifier:** OW-TP-08

**Lab Sample ID:** 152918-03

**Date Sampled:** 7/14/2015

**Matrix:** Soil

**Date Received:** 7/14/2015

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**Mercury**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| Mercury                     | <b>0.0658</b> | mg/Kg        |                  | 7/16/2015 14:21      |
| <b>Method Reference(s):</b> | EPA 7471B     |              |                  |                      |
| <b>Preparation Date:</b>    | 7/15/2015     |              |                  |                      |
| <b>Data File:</b>           | Hg150716B     |              |                  |                      |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

*Report Prepared Monday, July 20, 2015*



**Client:** **Lu Engineers, Inc.**

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-08

**Lab Sample ID:** 152918-03

**Matrix:** Soil

**Date Sampled:** 7/14/2015

**Date Received:** 7/14/2015

**RCRA Metals (ICP)**

| <b>Analyte</b> | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic        | <b>59.3</b>   | mg/Kg        |                  | 7/15/2015 16:51      |
| Barium         | <b>95.6</b>   | mg/Kg        |                  | 7/15/2015 16:51      |
| Cadmium        | <b>1.28</b>   | mg/Kg        |                  | 7/15/2015 16:51      |
| Chromium       | <b>13.8</b>   | mg/Kg        |                  | 7/15/2015 16:51      |
| Lead           | <b>190</b>    | mg/Kg        |                  | 7/15/2015 16:51      |
| Selenium       | <b>2.15</b>   | mg/Kg        |                  | 7/16/2015 12:39      |
| Silver         | <b>0.478</b>  | mg/Kg        | J                | 7/15/2015 16:51      |

**Method Reference(s):** EPA 6010C  
EPA 3050  
**Preparation Date:** 7/15/2015  
**Data File:** 071515b

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**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-08

**Lab Sample ID:** 152918-03

**Matrix:** Soil

**Date Sampled:** 7/14/2015

**Date Received:** 7/14/2015

**PCBs**

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016       | < 0.0322      | mg/Kg        |                  | 7/17/2015 01:14      |
| PCB-1221       | < 0.0322      | mg/Kg        |                  | 7/17/2015 01:14      |
| PCB-1232       | < 0.0322      | mg/Kg        |                  | 7/17/2015 01:14      |
| PCB-1242       | < 0.0322      | mg/Kg        |                  | 7/17/2015 01:14      |
| PCB-1248       | < 0.0322      | mg/Kg        |                  | 7/17/2015 01:14      |
| PCB-1254       | < 0.0322      | mg/Kg        |                  | 7/17/2015 01:14      |
| PCB-1260       | < 0.0322      | mg/Kg        |                  | 7/17/2015 01:14      |
| PCB-1262       | < 0.0322      | mg/Kg        |                  | 7/17/2015 01:14      |
| PCB-1268       | < 0.0322      | mg/Kg        |                  | 7/17/2015 01:14      |

| <u>Surrogate</u>     | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl   | <b>35.1</b>             | 30.5 - 159    |                 | 7/17/2015 01:14      |
| Tetrachloro-m-xylene | <b>51.6</b>             | 23.2 - 144    |                 | 7/17/2015 01:14      |

**Method Reference(s):** EPA 8082A  
EPA 3550C  
**Preparation Date:** 7/16/2015

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**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-08

**Lab Sample ID:** 152918-03

**Matrix:** Soil

**Date Sampled:** 7/14/2015

**Date Received:** 7/14/2015

**Volatile Organics**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| 1,1,1-Trichloroethane       | < 4.29        | ug/Kg        |                  | 7/14/2015 22:09      |
| 1,1,2,2-Tetrachloroethane   | < 4.29        | ug/Kg        |                  | 7/14/2015 22:09      |
| 1,1,2-Trichloroethane       | < 4.29        | ug/Kg        |                  | 7/14/2015 22:09      |
| 1,1-Dichloroethane          | < 4.29        | ug/Kg        |                  | 7/14/2015 22:09      |
| 1,1-Dichloroethene          | < 4.29        | ug/Kg        |                  | 7/14/2015 22:09      |
| 1,2,3-Trichlorobenzene      | < 10.7        | ug/Kg        |                  | 7/14/2015 22:09      |
| 1,2,4-Trichlorobenzene      | < 10.7        | ug/Kg        |                  | 7/14/2015 22:09      |
| 1,2-Dibromo-3-Chloropropane | < 21.5        | ug/Kg        |                  | 7/14/2015 22:09      |
| 1,2-Dibromoethane           | < 4.29        | ug/Kg        |                  | 7/14/2015 22:09      |
| 1,2-Dichlorobenzene         | < 4.29        | ug/Kg        |                  | 7/14/2015 22:09      |
| 1,2-Dichloroethane          | < 4.29        | ug/Kg        |                  | 7/14/2015 22:09      |
| 1,2-Dichloropropane         | < 4.29        | ug/Kg        |                  | 7/14/2015 22:09      |
| 1,3-Dichlorobenzene         | < 4.29        | ug/Kg        |                  | 7/14/2015 22:09      |
| 1,4-Dichlorobenzene         | < 4.29        | ug/Kg        |                  | 7/14/2015 22:09      |
| 1,4-dioxane                 | < 42.9        | ug/Kg        |                  | 7/14/2015 22:09      |
| 2-Butanone                  | < 21.5        | ug/Kg        |                  | 7/14/2015 22:09      |
| 2-Hexanone                  | < 10.7        | ug/Kg        |                  | 7/14/2015 22:09      |
| 4-Methyl-2-pentanone        | < 10.7        | ug/Kg        |                  | 7/14/2015 22:09      |
| Acetone                     | < 21.5        | ug/Kg        |                  | 7/14/2015 22:09      |
| Benzene                     | < 4.29        | ug/Kg        |                  | 7/14/2015 22:09      |
| Bromochloromethane          | < 10.7        | ug/Kg        |                  | 7/14/2015 22:09      |
| Bromodichloromethane        | < 4.29        | ug/Kg        |                  | 7/14/2015 22:09      |
| Bromoform                   | < 10.7        | ug/Kg        |                  | 7/14/2015 22:09      |
| Bromomethane                | < 4.29        | ug/Kg        |                  | 7/14/2015 22:09      |
| Carbon disulfide            | < 4.29        | ug/Kg        |                  | 7/14/2015 22:09      |
| Carbon Tetrachloride        | < 4.29        | ug/Kg        |                  | 7/14/2015 22:09      |
| Chlorobenzene               | < 4.29        | ug/Kg        |                  | 7/14/2015 22:09      |

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**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

|                           |           |       |                       |           |
|---------------------------|-----------|-------|-----------------------|-----------|
| <b>Sample Identifier:</b> | OW-TP-08  |       |                       |           |
| <b>Lab Sample ID:</b>     | 152918-03 |       | <b>Date Sampled:</b>  | 7/14/2015 |
| <b>Matrix:</b>            | Soil      |       | <b>Date Received:</b> | 7/14/2015 |
| Chloroethane              | < 4.29    | ug/Kg | 7/14/2015             | 22:09     |
| Chloroform                | < 4.29    | ug/Kg | 7/14/2015             | 22:09     |
| Chloromethane             | < 4.29    | ug/Kg | 7/14/2015             | 22:09     |
| cis-1,2-Dichloroethene    | < 4.29    | ug/Kg | 7/14/2015             | 22:09     |
| cis-1,3-Dichloropropene   | < 4.29    | ug/Kg | 7/14/2015             | 22:09     |
| Cyclohexane               | < 21.5    | ug/Kg | 7/14/2015             | 22:09     |
| Dibromochloromethane      | < 4.29    | ug/Kg | 7/14/2015             | 22:09     |
| Dichlorodifluoromethane   | < 4.29    | ug/Kg | 7/14/2015             | 22:09     |
| Ethylbenzene              | < 4.29    | ug/Kg | 7/14/2015             | 22:09     |
| Freon 113                 | < 4.29    | ug/Kg | 7/14/2015             | 22:09     |
| Isopropylbenzene          | < 4.29    | ug/Kg | 7/14/2015             | 22:09     |
| m,p-Xylene                | < 4.29    | ug/Kg | 7/14/2015             | 22:09     |
| Methyl acetate            | < 4.29    | ug/Kg | 7/14/2015             | 22:09     |
| Methyl tert-butyl Ether   | < 4.29    | ug/Kg | 7/14/2015             | 22:09     |
| Methylcyclohexane         | < 4.29    | ug/Kg | 7/14/2015             | 22:09     |
| Methylene chloride        | < 10.7    | ug/Kg | 7/14/2015             | 22:09     |
| o-Xylene                  | < 4.29    | ug/Kg | 7/14/2015             | 22:09     |
| Styrene                   | < 10.7    | ug/Kg | 7/14/2015             | 22:09     |
| Tetrachloroethene         | < 4.29    | ug/Kg | 7/14/2015             | 22:09     |
| Toluene                   | < 4.29    | ug/Kg | 7/14/2015             | 22:09     |
| trans-1,2-Dichloroethene  | < 4.29    | ug/Kg | 7/14/2015             | 22:09     |
| trans-1,3-Dichloropropene | < 4.29    | ug/Kg | 7/14/2015             | 22:09     |
| Trichloroethene           | < 4.29    | ug/Kg | 7/14/2015             | 22:09     |
| Trichlorofluoromethane    | < 4.29    | ug/Kg | 7/14/2015             | 22:09     |
| Vinyl chloride            | < 4.29    | ug/Kg | 7/14/2015             | 22:09     |

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**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-08

**Lab Sample ID:** 152918-03

**Date Sampled:** 7/14/2015

**Matrix:** Soil

**Date Received:** 7/14/2015

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |       |
|-----------------------|-------------------------|---------------|-----------------|----------------------|-------|
| 1,2-Dichloroethane-d4 | <b>117</b>              | 80.6 - 125    |                 | 7/14/2015            | 22:09 |
| 4-Bromofluorobenzene  | <b>76.1</b>             | 86.6 - 111    | *               | 7/14/2015            | 22:09 |
| Pentafluorobenzene    | <b>97.5</b>             | 90.9 - 107    |                 | 7/14/2015            | 22:09 |
| Toluene-D8            | <b>92.6</b>             | 90.8 - 109    |                 | 7/14/2015            | 22:09 |

*Internal standard outliers indicate probable matrix interference*

**Method Reference(s):** EPA 8260C  
EPA 5035

**Data File:** x24596.D

*This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.*

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## Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

*"<" = Analyzed for but not detected at or above the quantitation limit.*

*"E" = Result has been estimated, calibration limit exceeded.*

*"Z" = See case narrative.*

*"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.*

*"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.*

*"B" = Method blank contained trace levels of analyte. Refer to included method blank report.*

*"J" = Result estimated between the quantitation limit and half the quantitation limit.*

*"L" = Laboratory Control Sample recovery outside accepted QC limits.*

*"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.*  
*"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.*

*"\*" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

*"(1)" = Indicates data from primary column used for QC calculation.*

# GENERAL TERMS AND CONDITIONS

## LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term, or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

### **Warranty.**

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

### **Scope and Compensation.**

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

### **Prices.**

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

### **Limitations of Liability.**

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

### **Hazard Disclosure.**

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

### **Sample Handling.**

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises. Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

### **Legal Responsibility.**

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

### **Assignment.**

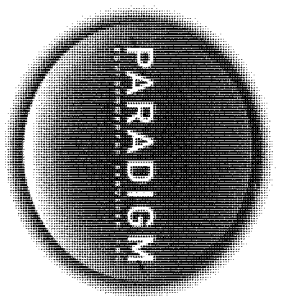
LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

### **Force Majeure.**

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

### **Law.**

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.



# CHAIN OF CUSTODY

|                                                                                                                                           |  |                                                                                                                                                                                                                                                               |  |                                                                         |  |
|-------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------|--|
| <b>REPORT TO:</b><br>CLIENT: W. Evershed<br>ADDRESS: 175 Sullivan<br>CITY: State MA ZIP: 702<br>PHONE: 585-385-7414<br>ATTN: Aoi Chemetex |  | <b>INVOICE TO:</b><br>CLIENT: Same<br>ADDRESS: State MA ZIP: 702<br>CITY: State MA ZIP: 702<br>PHONE: State MA ZIP: 702<br>ATTN: State MA ZIP: 702                                                                                                            |  | <b>LAB PROJECT ID</b><br>152918                                         |  |
| <b>PROJECT REFERENCE</b><br>DeCruard Whitney<br>4216-06                                                                                   |  | <b>Matrix Codes:</b><br>AQ - Aqueous Liquid<br>NG - Non-Aqueous Liquid<br>WA - Water<br>WG - Groundwater<br>DW - Drinking Water<br>WW - Wastewater<br>SO - Soil<br>SL - Sludge<br>SD - Solid<br>PT - Paint<br>WP - Wipe<br>CK - Caulk<br>OL - Oil<br>AR - Air |  | <b>Requested Analysis</b><br>TOC VOC 8260<br>RCLA Met. 6020<br>PCB 8082 |  |
| <b>Quotation #:</b><br>152918                                                                                                             |  | <b>Email:</b><br>Aoi.Chemetex@chemetex.com                                                                                                                                                                                                                    |  | <b>REMARKS</b>                                                          |  |

| DATE COLLECTED | TIME COLLECTED | COMPOSITE | G R A B | SAMPLE IDENTIFIER | M C A O T R E S I X | C O U N T B A I N E R S | REMARKS | PARADIGM LAB SAMPLE NUMBER |
|----------------|----------------|-----------|---------|-------------------|---------------------|-------------------------|---------|----------------------------|
| 12/14/15       | 0835           | X         | X       | OW-TP-06          |                     |                         |         | 01                         |
| 2              | 0835           | X         | X       | OW-TP-06-1440     |                     |                         |         | 02                         |
| 3              | 1245           | X         | X       | OW-TP-07          |                     |                         |         | 03                         |
| 4              | 1415           | X         | X       | OW-TP-08          |                     |                         |         |                            |
| 5              |                |           |         |                   |                     |                         |         |                            |
| 6              |                |           |         |                   |                     |                         |         |                            |
| 7              |                |           |         |                   |                     |                         |         |                            |
| 8              |                |           |         |                   |                     |                         |         |                            |
| 9              |                |           |         |                   |                     |                         |         |                            |
| 10             |                |           |         |                   |                     |                         |         |                            |

|                                                                                                 |                                     |                           |                                     |
|-------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------|-------------------------------------|
| <b>Turnaround Time</b><br>Availability contingent upon lab approval; additional fees may apply. |                                     | <b>Report Supplements</b> |                                     |
| Standard 5 day                                                                                  | <input checked="" type="checkbox"/> | Batch QC                  | <input type="checkbox"/>            |
| Rush 3 day                                                                                      | <input type="checkbox"/>            | Category A                | <input type="checkbox"/>            |
| Rush 2 day                                                                                      | <input type="checkbox"/>            | Category B                | <input checked="" type="checkbox"/> |
| Rush 1 day                                                                                      | <input type="checkbox"/>            | Other                     | <input type="checkbox"/>            |
| Other                                                                                           | <input type="checkbox"/>            | Other EDD                 | <input type="checkbox"/>            |

|                                                                      |                                            |
|----------------------------------------------------------------------|--------------------------------------------|
| <b>Sampled By:</b><br>Aoi Chemetex<br>Date/Time: 7/14/15 14:40       | <b>Total Cost:</b><br><input type="text"/> |
| <b>Reinquired By:</b><br>[Signature]<br>Date/Time: 7/14/15 14:52     |                                            |
| <b>Received By:</b><br>[Signature]<br>Date/Time: 7/14/15 14:52       |                                            |
| <b>Received @ Lab By:</b><br>[Signature]<br>Date/Time: 7/14/15 15:36 | <b>P.L.F.:</b><br><input type="checkbox"/> |

S'ced 7/14/15 15:15  
 Customary Seals N/A. Samples delivered by client. GP 7/14/15



### Chain of Custody Supplement

Client: Lu Engineers Completed by: Glen Pezzullo  
 Lab Project ID: 152918 Date: 7/14/15

**Sample Condition Requirements**  
 Per NELAC/ELAP 210/241/242/243/244

| Condition                                  | NELAC compliance with the sample condition requirements upon receipt |                                          |                                            |
|--------------------------------------------|----------------------------------------------------------------------|------------------------------------------|--------------------------------------------|
|                                            | Yes                                                                  | No                                       | N/A                                        |
| Container Type                             | <input checked="" type="checkbox"/>                                  | <input checked="" type="checkbox"/> SoBS | <input type="checkbox"/>                   |
| Comments                                   | _____                                                                |                                          |                                            |
| Transferred to method-compliant container  | <input type="checkbox"/>                                             | <input type="checkbox"/>                 | <input checked="" type="checkbox"/>        |
| Headspace (<1 mL)                          | <input type="checkbox"/>                                             | <input type="checkbox"/>                 | <input checked="" type="checkbox"/>        |
| Comments                                   | _____                                                                |                                          |                                            |
| Preservation                               | <input type="checkbox"/>                                             | <input type="checkbox"/>                 | <input checked="" type="checkbox"/>        |
| Comments                                   | _____                                                                |                                          |                                            |
| Chlorine Absent (<0.10 ppm per test strip) | <input type="checkbox"/>                                             | <input type="checkbox"/>                 | <input checked="" type="checkbox"/>        |
| Comments                                   | _____                                                                |                                          |                                            |
| Holding Time                               | <input checked="" type="checkbox"/>                                  | <input type="checkbox"/>                 | <input type="checkbox"/>                   |
| Comments                                   | _____                                                                |                                          |                                            |
| Temperature                                | <input checked="" type="checkbox"/>                                  | <input type="checkbox"/>                 | <input checked="" type="checkbox"/> Metals |
| Comments                                   | <u>5°C iced</u>                                                      |                                          |                                            |
| Sufficient Sample Quantity                 | <input checked="" type="checkbox"/>                                  | <input type="checkbox"/>                 | <input type="checkbox"/>                   |
| Comments                                   | _____                                                                |                                          |                                            |





**Lab Project ID:** 152950

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

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**Sample Identifier:** OW-TP-09

**Lab Sample ID:** 152950-01

**Date Sampled:** 7/15/2015

**Matrix:** Soil

**Date Received:** 7/15/2015

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**Mercury**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| Mercury                     | <b>0.0311</b> | mg/Kg        |                  | 7/20/2015 12:25      |
| <b>Method Reference(s):</b> | EPA 7471B     |              |                  |                      |
| <b>Preparation Date:</b>    | 7/17/2015     |              |                  |                      |
| <b>Data File:</b>           | Hg150720A     |              |                  |                      |

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*Report Prepared Wednesday, July 22, 2015*



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-09

**Lab Sample ID:** 152950-01

**Matrix:** Soil

**Date Sampled:** 7/15/2015

**Date Received:** 7/15/2015

**RCRA Metals (ICP)**

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic        | <b>8.73</b>   | mg/Kg        |                  | 7/16/2015 18:38      |
| Barium         | <b>57.1</b>   | mg/Kg        |                  | 7/16/2015 18:38      |
| Cadmium        | <b>0.317</b>  | mg/Kg        | J                | 7/16/2015 18:38      |
| Chromium       | <b>11.2</b>   | mg/Kg        |                  | 7/16/2015 18:38      |
| Lead           | <b>28.3</b>   | mg/Kg        |                  | 7/16/2015 18:38      |
| Selenium       | < 0.706       | mg/Kg        |                  | 7/16/2015 18:38      |
| Silver         | <b>0.533</b>  | mg/Kg        | J                | 7/16/2015 18:38      |

**Method Reference(s):** EPA 6010C  
EPA 3050  
**Preparation Date:** 7/16/2015  
**Data File:** 071615b

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**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-09

**Lab Sample ID:** 152950-01

**Matrix:** Soil

**Date Sampled:** 7/15/2015

**Date Received:** 7/15/2015

**PCBs**

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016       | < 0.0430      | mg/Kg        |                  | 7/20/2015 17:30      |
| PCB-1221       | < 0.0430      | mg/Kg        |                  | 7/20/2015 17:30      |
| PCB-1232       | < 0.0430      | mg/Kg        |                  | 7/20/2015 17:30      |
| PCB-1242       | < 0.0430      | mg/Kg        |                  | 7/20/2015 17:30      |
| PCB-1248       | < 0.0430      | mg/Kg        |                  | 7/20/2015 17:30      |
| PCB-1254       | < 0.0430      | mg/Kg        |                  | 7/20/2015 17:30      |
| PCB-1260       | < 0.0430      | mg/Kg        |                  | 7/20/2015 17:30      |
| PCB-1262       | < 0.0430      | mg/Kg        |                  | 7/20/2015 17:30      |
| PCB-1268       | < 0.0430      | mg/Kg        |                  | 7/20/2015 17:30      |

| <u>Surrogate</u>     | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl   | <b>71.2</b>             | 30.5 - 159    |                 | 7/20/2015 17:30      |
| Tetrachloro-m-xylene | <b>34.5</b>             | 23.2 - 144    |                 | 7/20/2015 17:30      |

**Method Reference(s):** EPA 8082A  
EPA 3550C  
**Preparation Date:** 7/21/2015

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Lab Project ID: 152950

Client: Lu Engineers, Inc.

Project Reference: Orchard-Whitney 4216-06

Sample Identifier: OW-TP-09

Lab Sample ID: 152950-01

Matrix: Soil

Date Sampled: 7/15/2015

Date Received: 7/15/2015

Volatile Organics

| Analyte                     | Result | Units | Qualifier | Date Analyzed   |
|-----------------------------|--------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane       | < 5.23 | ug/Kg |           | 7/16/2015 17:16 |
| 1,1,2,2-Tetrachloroethane   | < 5.23 | ug/Kg |           | 7/16/2015 17:16 |
| 1,1,2-Trichloroethane       | < 5.23 | ug/Kg |           | 7/16/2015 17:16 |
| 1,1-Dichloroethane          | < 5.23 | ug/Kg |           | 7/16/2015 17:16 |
| 1,1-Dichloroethene          | < 5.23 | ug/Kg |           | 7/16/2015 17:16 |
| 1,2,3-Trichlorobenzene      | < 13.1 | ug/Kg |           | 7/16/2015 17:16 |
| 1,2,4-Trichlorobenzene      | < 13.1 | ug/Kg |           | 7/16/2015 17:16 |
| 1,2-Dibromo-3-Chloropropane | < 26.2 | ug/Kg |           | 7/16/2015 17:16 |
| 1,2-Dibromoethane           | < 5.23 | ug/Kg |           | 7/16/2015 17:16 |
| 1,2-Dichlorobenzene         | < 5.23 | ug/Kg |           | 7/16/2015 17:16 |
| 1,2-Dichloroethane          | < 5.23 | ug/Kg |           | 7/16/2015 17:16 |
| 1,2-Dichloropropane         | < 5.23 | ug/Kg |           | 7/16/2015 17:16 |
| 1,3-Dichlorobenzene         | < 5.23 | ug/Kg |           | 7/16/2015 17:16 |
| 1,4-Dichlorobenzene         | < 5.23 | ug/Kg |           | 7/16/2015 17:16 |
| 1,4-dioxane                 | < 52.3 | ug/Kg |           | 7/16/2015 17:16 |
| 2-Butanone                  | < 26.2 | ug/Kg |           | 7/16/2015 17:16 |
| 2-Hexanone                  | < 13.1 | ug/Kg |           | 7/16/2015 17:16 |
| 4-Methyl-2-pentanone        | < 13.1 | ug/Kg |           | 7/16/2015 17:16 |
| Acetone                     | < 26.2 | ug/Kg |           | 7/16/2015 17:16 |
| Benzene                     | < 5.23 | ug/Kg |           | 7/16/2015 17:16 |
| Bromochloromethane          | < 13.1 | ug/Kg |           | 7/16/2015 17:16 |
| Bromodichloromethane        | < 5.23 | ug/Kg |           | 7/16/2015 17:16 |
| Bromoform                   | < 13.1 | ug/Kg |           | 7/16/2015 17:16 |
| Bromomethane                | < 5.23 | ug/Kg |           | 7/16/2015 17:16 |
| Carbon disulfide            | < 5.23 | ug/Kg |           | 7/16/2015 17:16 |
| Carbon Tetrachloride        | < 5.23 | ug/Kg |           | 7/16/2015 17:16 |
| Chlorobenzene               | < 5.23 | ug/Kg |           | 7/16/2015 17:16 |

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Report Prepared Wednesday, July 22, 2015



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-09

**Lab Sample ID:** 152950-01

**Date Sampled:** 7/15/2015

**Matrix:** Soil

**Date Received:** 7/15/2015

|                           |        |       |           |       |
|---------------------------|--------|-------|-----------|-------|
| Chloroethane              | < 5.23 | ug/Kg | 7/16/2015 | 17:16 |
| Chloroform                | < 5.23 | ug/Kg | 7/16/2015 | 17:16 |
| Chloromethane             | < 5.23 | ug/Kg | 7/16/2015 | 17:16 |
| cis-1,2-Dichloroethene    | < 5.23 | ug/Kg | 7/16/2015 | 17:16 |
| cis-1,3-Dichloropropene   | < 5.23 | ug/Kg | 7/16/2015 | 17:16 |
| Cyclohexane               | < 26.2 | ug/Kg | 7/16/2015 | 17:16 |
| Dibromochloromethane      | < 5.23 | ug/Kg | 7/16/2015 | 17:16 |
| Dichlorodifluoromethane   | < 5.23 | ug/Kg | 7/16/2015 | 17:16 |
| Ethylbenzene              | < 5.23 | ug/Kg | 7/16/2015 | 17:16 |
| Freon 113                 | < 5.23 | ug/Kg | 7/16/2015 | 17:16 |
| Isopropylbenzene          | < 5.23 | ug/Kg | 7/16/2015 | 17:16 |
| m,p-Xylene                | < 5.23 | ug/Kg | 7/16/2015 | 17:16 |
| Methyl acetate            | < 5.23 | ug/Kg | 7/16/2015 | 17:16 |
| Methyl tert-butyl Ether   | < 5.23 | ug/Kg | 7/16/2015 | 17:16 |
| Methylcyclohexane         | < 5.23 | ug/Kg | 7/16/2015 | 17:16 |
| Methylene chloride        | < 13.1 | ug/Kg | 7/16/2015 | 17:16 |
| o-Xylene                  | < 5.23 | ug/Kg | 7/16/2015 | 17:16 |
| Styrene                   | < 13.1 | ug/Kg | 7/16/2015 | 17:16 |
| Tetrachloroethene         | < 5.23 | ug/Kg | 7/16/2015 | 17:16 |
| Toluene                   | < 5.23 | ug/Kg | 7/16/2015 | 17:16 |
| trans-1,2-Dichloroethene  | < 5.23 | ug/Kg | 7/16/2015 | 17:16 |
| trans-1,3-Dichloropropene | < 5.23 | ug/Kg | 7/16/2015 | 17:16 |
| Trichloroethene           | < 5.23 | ug/Kg | 7/16/2015 | 17:16 |
| Trichlorofluoromethane    | < 5.23 | ug/Kg | 7/16/2015 | 17:16 |
| Vinyl chloride            | < 5.23 | ug/Kg | 7/16/2015 | 17:16 |

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**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-09

**Lab Sample ID:** 152950-01

**Matrix:** Soil

**Date Sampled:** 7/15/2015

**Date Received:** 7/15/2015

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | <b>111</b>              | 80.6 - 125    |                 | 7/16/2015 17:16      |
| 4-Bromofluorobenzene  | <b>88.7</b>             | 86.6 - 111    |                 | 7/16/2015 17:16      |
| Pentafluorobenzene    | <b>93.8</b>             | 90.9 - 107    |                 | 7/16/2015 17:16      |
| Toluene-D8            | <b>97.7</b>             | 90.8 - 109    |                 | 7/16/2015 17:16      |

**Method Reference(s):** EPA 8260C  
EPA 5035

**Data File:** x24643.D

*This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.*



Lab Project ID: 152950

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

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**Sample Identifier:** OW-TP-10

**Lab Sample ID:** 152950-02

**Date Sampled:** 7/15/2015

**Matrix:** Soil

**Date Received:** 7/15/2015

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**Mercury**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| Mercury                     | <b>0.0235</b> | mg/Kg        |                  | 7/20/2015 12:29      |
| <b>Method Reference(s):</b> | EPA 7471B     |              |                  |                      |
| <b>Preparation Date:</b>    | 7/17/2015     |              |                  |                      |
| <b>Data File:</b>           | Hg150720A     |              |                  |                      |

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*Report Prepared Wednesday, July 22, 2015*



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-10

**Lab Sample ID:** 152950-02

**Matrix:** Soil

**Date Sampled:** 7/15/2015

**Date Received:** 7/15/2015

**RCRA Metals (ICP)**

| <b>Analyte</b> | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic        | <b>4.84</b>   | mg/Kg        |                  | 7/16/2015 18:42      |
| Barium         | <b>52.6</b>   | mg/Kg        |                  | 7/16/2015 18:42      |
| Cadmium        | <b>1.30</b>   | mg/Kg        |                  | 7/16/2015 18:42      |
| Chromium       | <b>18.4</b>   | mg/Kg        |                  | 7/16/2015 18:42      |
| Lead           | <b>15.2</b>   | mg/Kg        |                  | 7/16/2015 18:42      |
| Selenium       | < 0.567       | mg/Kg        |                  | 7/16/2015 18:42      |
| Silver         | < 0.567       | mg/Kg        |                  | 7/16/2015 18:42      |

**Method Reference(s):** EPA 6010C  
EPA 3050  
**Preparation Date:** 7/16/2015  
**Data File:** 071615b

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Lab Project ID: 152950

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-10

**Lab Sample ID:** 152950-02

**Matrix:** Soil

**Date Sampled:** 7/15/2015

**Date Received:** 7/15/2015

**PCBs**

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016       | < 0.0341      | mg/Kg        |                  | 7/21/2015 13:58      |
| PCB-1221       | < 0.0341      | mg/Kg        |                  | 7/21/2015 13:58      |
| PCB-1232       | < 0.0341      | mg/Kg        |                  | 7/21/2015 13:58      |
| PCB-1242       | < 0.0341      | mg/Kg        |                  | 7/21/2015 13:58      |
| PCB-1248       | < 0.0341      | mg/Kg        |                  | 7/21/2015 13:58      |
| PCB-1254       | < 0.0341      | mg/Kg        |                  | 7/21/2015 13:58      |
| PCB-1260       | < 0.0341      | mg/Kg        |                  | 7/21/2015 13:58      |
| PCB-1262       | < 0.0341      | mg/Kg        |                  | 7/21/2015 13:58      |
| PCB-1268       | < 0.0341      | mg/Kg        |                  | 7/21/2015 13:58      |

| <u>Surrogate</u>     | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl   | 59.5                    | 30.5 - 159    |                 | 7/21/2015 13:58      |
| Tetrachloro-m-xylene | 39.4                    | 23.2 - 144    |                 | 7/21/2015 13:58      |

**Method Reference(s):** EPA 8082A  
EPA 3550C  
**Preparation Date:** 7/21/2015

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Report Prepared Wednesday, July 22, 2015



Lab Project ID: 152950

Client: Lu Engineers, Inc.

Project Reference: Orchard-Whitney 4216-06

Sample Identifier: OW-TP-10

Lab Sample ID: 152950-02

Matrix: Soil

Date Sampled: 7/15/2015

Date Received: 7/15/2015

**Volatile Organics**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| 1,1,1-Trichloroethane       | < 38.4        | ug/Kg        |                  | 7/16/2015 18:28      |
| 1,1,2,2-Tetrachloroethane   | < 38.4        | ug/Kg        |                  | 7/16/2015 18:28      |
| 1,1,2-Trichloroethane       | < 38.4        | ug/Kg        |                  | 7/16/2015 18:28      |
| 1,1-Dichloroethane          | < 38.4        | ug/Kg        |                  | 7/16/2015 18:28      |
| 1,1-Dichloroethene          | < 38.4        | ug/Kg        |                  | 7/16/2015 18:28      |
| 1,2,3-Trichlorobenzene      | < 96.0        | ug/Kg        |                  | 7/16/2015 18:28      |
| 1,2,4-Trichlorobenzene      | < 96.0        | ug/Kg        |                  | 7/16/2015 18:28      |
| 1,2-Dibromo-3-Chloropropane | < 192         | ug/Kg        |                  | 7/16/2015 18:28      |
| 1,2-Dibromoethane           | < 38.4        | ug/Kg        |                  | 7/16/2015 18:28      |
| 1,2-Dichlorobenzene         | < 38.4        | ug/Kg        |                  | 7/16/2015 18:28      |
| 1,2-Dichloroethane          | < 38.4        | ug/Kg        |                  | 7/16/2015 18:28      |
| 1,2-Dichloropropane         | < 38.4        | ug/Kg        |                  | 7/16/2015 18:28      |
| 1,3-Dichlorobenzene         | < 38.4        | ug/Kg        |                  | 7/16/2015 18:28      |
| 1,4-Dichlorobenzene         | < 38.4        | ug/Kg        |                  | 7/16/2015 18:28      |
| 1,4-dioxane                 | < 384         | ug/Kg        |                  | 7/16/2015 18:28      |
| 2-Butanone                  | < 192         | ug/Kg        |                  | 7/16/2015 18:28      |
| 2-Hexanone                  | < 96.0        | ug/Kg        |                  | 7/16/2015 18:28      |
| 4-Methyl-2-pentanone        | < 96.0        | ug/Kg        |                  | 7/16/2015 18:28      |
| Acetone                     | < 192         | ug/Kg        |                  | 7/16/2015 18:28      |
| Benzene                     | < 38.4        | ug/Kg        |                  | 7/16/2015 18:28      |
| Bromochloromethane          | < 96.0        | ug/Kg        |                  | 7/16/2015 18:28      |
| Bromodichloromethane        | < 38.4        | ug/Kg        |                  | 7/16/2015 18:28      |
| Bromoform                   | < 96.0        | ug/Kg        |                  | 7/16/2015 18:28      |
| Bromomethane                | < 38.4        | ug/Kg        |                  | 7/16/2015 18:28      |
| Carbon disulfide            | < 38.4        | ug/Kg        |                  | 7/16/2015 18:28      |
| Carbon Tetrachloride        | < 38.4        | ug/Kg        |                  | 7/16/2015 18:28      |
| Chlorobenzene               | < 38.4        | ug/Kg        |                  | 7/16/2015 18:28      |

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Report Prepared Wednesday, July 22, 2015



Lab Project ID: 152950

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

| <b>Sample Identifier:</b> | OW-TP-10    |       |   |                       |           |
|---------------------------|-------------|-------|---|-----------------------|-----------|
| <b>Lab Sample ID:</b>     | 152950-02   |       |   | <b>Date Sampled:</b>  | 7/15/2015 |
| <b>Matrix:</b>            | Soil        |       |   | <b>Date Received:</b> | 7/15/2015 |
| Chloroethane              | < 38.4      | ug/Kg |   | 7/16/2015             | 18:28     |
| Chloroform                | < 38.4      | ug/Kg |   | 7/16/2015             | 18:28     |
| Chloromethane             | < 38.4      | ug/Kg |   | 7/16/2015             | 18:28     |
| cis-1,2-Dichloroethene    | < 38.4      | ug/Kg |   | 7/16/2015             | 18:28     |
| cis-1,3-Dichloropropene   | < 38.4      | ug/Kg |   | 7/16/2015             | 18:28     |
| Cyclohexane               | <b>145</b>  | ug/Kg | J | 7/16/2015             | 18:28     |
| Dibromochloromethane      | < 38.4      | ug/Kg |   | 7/16/2015             | 18:28     |
| Dichlorodifluoromethane   | < 38.4      | ug/Kg |   | 7/16/2015             | 18:28     |
| Ethylbenzene              | <b>189</b>  | ug/Kg |   | 7/16/2015             | 18:28     |
| Freon 113                 | < 38.4      | ug/Kg |   | 7/16/2015             | 18:28     |
| Isopropylbenzene          | <b>130</b>  | ug/Kg |   | 7/16/2015             | 18:28     |
| m,p-Xylene                | <b>833</b>  | ug/Kg |   | 7/16/2015             | 18:28     |
| Methyl acetate            | < 38.4      | ug/Kg |   | 7/16/2015             | 18:28     |
| Methyl tert-butyl Ether   | < 38.4      | ug/Kg |   | 7/16/2015             | 18:28     |
| Methylcyclohexane         | <b>1420</b> | ug/Kg |   | 7/16/2015             | 18:28     |
| Methylene chloride        | < 96.0      | ug/Kg |   | 7/16/2015             | 18:28     |
| o-Xylene                  | < 38.4      | ug/Kg |   | 7/16/2015             | 18:28     |
| Styrene                   | < 96.0      | ug/Kg |   | 7/16/2015             | 18:28     |
| Tetrachloroethene         | < 38.4      | ug/Kg |   | 7/16/2015             | 18:28     |
| Toluene                   | < 38.4      | ug/Kg |   | 7/16/2015             | 18:28     |
| trans-1,2-Dichloroethene  | < 38.4      | ug/Kg |   | 7/16/2015             | 18:28     |
| trans-1,3-Dichloropropene | < 38.4      | ug/Kg |   | 7/16/2015             | 18:28     |
| Trichloroethene           | < 38.4      | ug/Kg |   | 7/16/2015             | 18:28     |
| Trichlorofluoromethane    | < 38.4      | ug/Kg |   | 7/16/2015             | 18:28     |
| Vinyl chloride            | < 38.4      | ug/Kg |   | 7/16/2015             | 18:28     |

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**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-10

**Lab Sample ID:** 152950-02

**Date Sampled:** 7/15/2015

**Matrix:** Soil

**Date Received:** 7/15/2015

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | <b>109</b>              | 80.6 - 125    |                 | 7/16/2015 18:28      |
| 4-Bromofluorobenzene  | <b>95.8</b>             | 86.6 - 111    |                 | 7/16/2015 18:28      |
| Pentafluorobenzene    | <b>97.9</b>             | 90.9 - 107    |                 | 7/16/2015 18:28      |
| Toluene-D8            | <b>105</b>              | 90.8 - 109    |                 | 7/16/2015 18:28      |

**Method Reference(s):** EPA 8260C  
EPA 5035

**Data File:** x24646.D

*This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.*



**Lab Project ID:** 152950

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

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**Sample Identifier:** OW-TP-10-M

**Lab Sample ID:** 152950-03

**Date Sampled:** 7/15/2015

**Matrix:** Sludge

**Date Received:** 7/15/2015

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**Mercury**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| Mercury                     | <b>6.26</b>   | mg/Kg        |                  | 7/20/2015 13:19      |
| <b>Method Reference(s):</b> | EPA 7471B     |              |                  |                      |
| <b>Preparation Date:</b>    | 7/17/2015     |              |                  |                      |
| <b>Data File:</b>           | Hg150720A     |              |                  |                      |

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*Report Prepared Wednesday, July 22, 2015*



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-10-M

**Lab Sample ID:** 152950-03

**Matrix:** Sludge

**Date Sampled:** 7/15/2015

**Date Received:** 7/15/2015

**RCRA Metals (ICP)**

| <b>Analyte</b> | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic        | <b>20.0</b>   | mg/Kg        |                  | 7/16/2015 18:46      |
| Barium         | <b>760</b>    | mg/Kg        |                  | 7/16/2015 18:46      |
| Cadmium        | <b>16.1</b>   | mg/Kg        |                  | 7/16/2015 18:46      |
| Chromium       | <b>80.3</b>   | mg/Kg        |                  | 7/16/2015 18:46      |
| Lead           | <b>1000</b>   | mg/Kg        |                  | 7/16/2015 18:46      |
| Selenium       | <b>2.93</b>   | mg/Kg        |                  | 7/16/2015 18:46      |
| Silver         | <b>12.4</b>   | mg/Kg        |                  | 7/16/2015 18:46      |

**Method Reference(s):** EPA 6010C  
EPA 3050  
**Preparation Date:** 7/16/2015  
**Data File:** 071615b

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**Lab Project ID:** 152950

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

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**Sample Identifier:** OW-TP-11

**Lab Sample ID:** 152950-04

**Date Sampled:** 7/15/2015

**Matrix:** Soil

**Date Received:** 7/15/2015

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**Mercury**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| Mercury                     | <b>0.0282</b> | mg/Kg        |                  | 7/20/2015 12:35      |
| <b>Method Reference(s):</b> | EPA 7471B     |              |                  |                      |
| <b>Preparation Date:</b>    | 7/17/2015     |              |                  |                      |
| <b>Data File:</b>           | Hg150720A     |              |                  |                      |

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*Report Prepared Wednesday, July 22, 2015*



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-11

**Lab Sample ID:** 152950-04

**Matrix:** Soil

**Date Sampled:** 7/15/2015

**Date Received:** 7/15/2015

**RCRA Metals (ICP)**

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic        | <b>3.52</b>   | mg/Kg        |                  | 7/16/2015 18:50      |
| Barium         | <b>21.7</b>   | mg/Kg        |                  | 7/16/2015 18:50      |
| Cadmium        | <b>1.17</b>   | mg/Kg        |                  | 7/16/2015 18:50      |
| Chromium       | <b>4.63</b>   | mg/Kg        |                  | 7/16/2015 18:50      |
| Lead           | <b>4.26</b>   | mg/Kg        |                  | 7/16/2015 18:50      |
| Selenium       | < 0.585       | mg/Kg        |                  | 7/16/2015 18:50      |
| Silver         | < 0.585       | mg/Kg        |                  | 7/16/2015 18:50      |

**Method Reference(s):** EPA 6010C  
EPA 3050  
**Preparation Date:** 7/16/2015  
**Data File:** 071615b

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.





Lab Project ID: 152950

Client: Lu Engineers, Inc.

Project Reference: Orchard-Whitney 4216-06

Sample Identifier: OW-TP-11

Lab Sample ID: 152950-04

Matrix: Soil

Date Sampled: 7/15/2015

Date Received: 7/15/2015

**PCBs**

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016       | < 0.0341      | mg/Kg        |                  | 7/20/2015 18:20      |
| PCB-1221       | < 0.0341      | mg/Kg        |                  | 7/20/2015 18:20      |
| PCB-1232       | < 0.0341      | mg/Kg        |                  | 7/20/2015 18:20      |
| PCB-1242       | < 0.0341      | mg/Kg        |                  | 7/20/2015 18:20      |
| PCB-1248       | < 0.0341      | mg/Kg        |                  | 7/20/2015 18:20      |
| PCB-1254       | < 0.0341      | mg/Kg        |                  | 7/20/2015 18:20      |
| PCB-1260       | < 0.0341      | mg/Kg        |                  | 7/20/2015 18:20      |
| PCB-1262       | < 0.0341      | mg/Kg        |                  | 7/20/2015 18:20      |
| PCB-1268       | < 0.0341      | mg/Kg        |                  | 7/20/2015 18:20      |

| <u>Surrogate</u>     | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl   | 69.1                    | 30.5 - 159    |                 | 7/20/2015 18:20      |
| Tetrachloro-m-xylene | 50.3                    | 23.2 - 144    |                 | 7/20/2015 18:20      |

Method Reference(s): EPA 8082A  
 EPA 3550C  
 Preparation Date: 7/21/2015

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Report Prepared Wednesday, July 22, 2015



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-11

**Lab Sample ID:** 152950-04

**Matrix:** Soil

**Date Sampled:** 7/15/2015

**Date Received:** 7/15/2015

**Volatile Organics**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| 1,1,1-Trichloroethane       | < 4.05        | ug/Kg        |                  | 7/16/2015 17:40      |
| 1,1,2,2-Tetrachloroethane   | < 4.05        | ug/Kg        |                  | 7/16/2015 17:40      |
| 1,1,2-Trichloroethane       | < 4.05        | ug/Kg        |                  | 7/16/2015 17:40      |
| 1,1-Dichloroethane          | < 4.05        | ug/Kg        |                  | 7/16/2015 17:40      |
| 1,1-Dichloroethene          | < 4.05        | ug/Kg        |                  | 7/16/2015 17:40      |
| 1,2,3-Trichlorobenzene      | < 10.1        | ug/Kg        |                  | 7/16/2015 17:40      |
| 1,2,4-Trichlorobenzene      | < 10.1        | ug/Kg        |                  | 7/16/2015 17:40      |
| 1,2-Dibromo-3-Chloropropane | < 20.3        | ug/Kg        |                  | 7/16/2015 17:40      |
| 1,2-Dibromoethane           | < 4.05        | ug/Kg        |                  | 7/16/2015 17:40      |
| 1,2-Dichlorobenzene         | < 4.05        | ug/Kg        |                  | 7/16/2015 17:40      |
| 1,2-Dichloroethane          | < 4.05        | ug/Kg        |                  | 7/16/2015 17:40      |
| 1,2-Dichloropropane         | < 4.05        | ug/Kg        |                  | 7/16/2015 17:40      |
| 1,3-Dichlorobenzene         | < 4.05        | ug/Kg        |                  | 7/16/2015 17:40      |
| 1,4-Dichlorobenzene         | < 4.05        | ug/Kg        |                  | 7/16/2015 17:40      |
| 1,4-dioxane                 | < 40.5        | ug/Kg        |                  | 7/16/2015 17:40      |
| 2-Butanone                  | < 20.3        | ug/Kg        |                  | 7/16/2015 17:40      |
| 2-Hexanone                  | < 10.1        | ug/Kg        |                  | 7/16/2015 17:40      |
| 4-Methyl-2-pentanone        | < 10.1        | ug/Kg        |                  | 7/16/2015 17:40      |
| Acetone                     | < 20.3        | ug/Kg        |                  | 7/16/2015 17:40      |
| Benzene                     | < 4.05        | ug/Kg        |                  | 7/16/2015 17:40      |
| Bromochloromethane          | < 10.1        | ug/Kg        |                  | 7/16/2015 17:40      |
| Bromodichloromethane        | < 4.05        | ug/Kg        |                  | 7/16/2015 17:40      |
| Bromoform                   | < 10.1        | ug/Kg        |                  | 7/16/2015 17:40      |
| Bromomethane                | < 4.05        | ug/Kg        |                  | 7/16/2015 17:40      |
| Carbon disulfide            | < 4.05        | ug/Kg        |                  | 7/16/2015 17:40      |
| Carbon Tetrachloride        | < 4.05        | ug/Kg        |                  | 7/16/2015 17:40      |
| Chlorobenzene               | < 4.05        | ug/Kg        |                  | 7/16/2015 17:40      |

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Lab Project ID: 152950

Client: Lu Engineers, Inc.

Project Reference: Orchard-Whitney 4216-06

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|                           |           |       |  |                       |           |
|---------------------------|-----------|-------|--|-----------------------|-----------|
| <b>Sample Identifier:</b> | OW-TP-11  |       |  |                       |           |
| <b>Lab Sample ID:</b>     | 152950-04 |       |  | <b>Date Sampled:</b>  | 7/15/2015 |
| <b>Matrix:</b>            | Soil      |       |  | <b>Date Received:</b> | 7/15/2015 |
| <hr/>                     |           |       |  |                       |           |
| Chloroethane              | < 4.05    | ug/Kg |  | 7/16/2015             | 17:40     |
| Chloroform                | < 4.05    | ug/Kg |  | 7/16/2015             | 17:40     |
| Chloromethane             | < 4.05    | ug/Kg |  | 7/16/2015             | 17:40     |
| cis-1,2-Dichloroethene    | < 4.05    | ug/Kg |  | 7/16/2015             | 17:40     |
| cis-1,3-Dichloropropene   | < 4.05    | ug/Kg |  | 7/16/2015             | 17:40     |
| Cyclohexane               | < 20.3    | ug/Kg |  | 7/16/2015             | 17:40     |
| Dibromochloromethane      | < 4.05    | ug/Kg |  | 7/16/2015             | 17:40     |
| Dichlorodifluoromethane   | < 4.05    | ug/Kg |  | 7/16/2015             | 17:40     |
| Ethylbenzene              | < 4.05    | ug/Kg |  | 7/16/2015             | 17:40     |
| Freon 113                 | < 4.05    | ug/Kg |  | 7/16/2015             | 17:40     |
| Isopropylbenzene          | < 4.05    | ug/Kg |  | 7/16/2015             | 17:40     |
| m,p-Xylene                | < 4.05    | ug/Kg |  | 7/16/2015             | 17:40     |
| Methyl acetate            | < 4.05    | ug/Kg |  | 7/16/2015             | 17:40     |
| Methyl tert-butyl Ether   | < 4.05    | ug/Kg |  | 7/16/2015             | 17:40     |
| Methylcyclohexane         | < 4.05    | ug/Kg |  | 7/16/2015             | 17:40     |
| Methylene chloride        | < 10.1    | ug/Kg |  | 7/16/2015             | 17:40     |
| o-Xylene                  | < 4.05    | ug/Kg |  | 7/16/2015             | 17:40     |
| Styrene                   | < 10.1    | ug/Kg |  | 7/16/2015             | 17:40     |
| Tetrachloroethene         | < 4.05    | ug/Kg |  | 7/16/2015             | 17:40     |
| Toluene                   | < 4.05    | ug/Kg |  | 7/16/2015             | 17:40     |
| trans-1,2-Dichloroethene  | < 4.05    | ug/Kg |  | 7/16/2015             | 17:40     |
| trans-1,3-Dichloropropene | < 4.05    | ug/Kg |  | 7/16/2015             | 17:40     |
| Trichloroethene           | < 4.05    | ug/Kg |  | 7/16/2015             | 17:40     |
| Trichlorofluoromethane    | < 4.05    | ug/Kg |  | 7/16/2015             | 17:40     |
| Vinyl chloride            | < 4.05    | ug/Kg |  | 7/16/2015             | 17:40     |

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Report Prepared Wednesday, July 22, 2015



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-11

**Lab Sample ID:** 152950-04

**Date Sampled:** 7/15/2015

**Matrix:** Soil

**Date Received:** 7/15/2015

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | <b>114</b>              | 80.6 - 125    |                 | 7/16/2015 17:40      |
| 4-Bromofluorobenzene  | <b>87.1</b>             | 86.6 - 111    |                 | 7/16/2015 17:40      |
| Pentafluorobenzene    | <b>93.9</b>             | 90.9 - 107    |                 | 7/16/2015 17:40      |
| Toluene-D8            | <b>96.6</b>             | 90.8 - 109    |                 | 7/16/2015 17:40      |

**Method Reference(s):** EPA 8260C  
EPA 5035

**Data File:** x24644.D

*This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.*

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Lab Project ID: 152950

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

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**Sample Identifier:** OW-BD-01

**Lab Sample ID:** 152950-05

**Date Sampled:** 7/15/2015

**Matrix:** Soil

**Date Received:** 7/15/2015

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**Mercury**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| Mercury                     | <b>0.0156</b> | mg/Kg        |                  | 7/20/2015 12:39      |
| <b>Method Reference(s):</b> | EPA 7471B     |              |                  |                      |
| <b>Preparation Date:</b>    | 7/17/2015     |              |                  |                      |
| <b>Data File:</b>           | Hg150720A     |              |                  |                      |

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Report Prepared Wednesday, July 22, 2015



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-BD-01

**Lab Sample ID:** 152950-05

**Matrix:** Soil

**Date Sampled:** 7/15/2015

**Date Received:** 7/15/2015

**RCRA Metals (ICP)**

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic        | <b>3.93</b>   | mg/Kg        |                  | 7/21/2015 15:12      |
| Barium         | <b>43.2</b>   | mg/Kg        |                  | 7/21/2015 15:12      |
| Cadmium        | <b>0.181</b>  | mg/Kg        | J                | 7/21/2015 15:12      |
| Chromium       | <b>9.43</b>   | mg/Kg        |                  | 7/21/2015 15:12      |
| Lead           | <b>3.83</b>   | mg/Kg        |                  | 7/21/2015 15:12      |
| Selenium       | <b>0.336</b>  | mg/Kg        | J                | 7/21/2015 15:12      |
| Silver         | <b>0.643</b>  | mg/Kg        |                  | 7/21/2015 15:12      |

**Method Reference(s):** EPA 6010C  
EPA 3050  
**Preparation Date:** 7/16/2015  
**Data File:** 071615b

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**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-BD-01

**Lab Sample ID:** 152950-05

**Matrix:** Soil

**Date Sampled:** 7/15/2015

**Date Received:** 7/15/2015

**PCBs**

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016       | < 0.0723      | mg/Kg        |                  | 7/20/2015 18:43      |
| PCB-1221       | < 0.0723      | mg/Kg        |                  | 7/20/2015 18:43      |
| PCB-1232       | < 0.0723      | mg/Kg        |                  | 7/20/2015 18:43      |
| PCB-1242       | < 0.0723      | mg/Kg        |                  | 7/20/2015 18:43      |
| PCB-1248       | < 0.0723      | mg/Kg        |                  | 7/20/2015 18:43      |
| PCB-1254       | < 0.0723      | mg/Kg        |                  | 7/20/2015 18:43      |
| PCB-1260       | < 0.0723      | mg/Kg        |                  | 7/20/2015 18:43      |
| PCB-1262       | < 0.0723      | mg/Kg        |                  | 7/20/2015 18:43      |
| PCB-1268       | < 0.0723      | mg/Kg        |                  | 7/20/2015 18:43      |

| <u>Surrogate</u>     | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl   | <b>47.7</b>             | 30.5 - 159    |                 | 7/20/2015 18:43      |
| Tetrachloro-m-xylene | <b>39.8</b>             | 23.2 - 144    |                 | 7/20/2015 18:43      |

**Method Reference(s):** EPA 8082A  
EPA 3550C  
**Preparation Date:** 7/21/2015

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Lab Project ID: 152950

Client: Lu Engineers, Inc.

Project Reference: Orchard-Whitney 4216-06

Sample Identifier: OW-BD-01

Lab Sample ID: 152950-05

Matrix: Soil

Date Sampled: 7/15/2015

Date Received: 7/15/2015

Volatile Organics

| Analyte                     | Result | Units | Qualifier | Date Analyzed   |
|-----------------------------|--------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane       | < 4.15 | ug/Kg |           | 7/16/2015 18:04 |
| 1,1,2,2-Tetrachloroethane   | < 4.15 | ug/Kg |           | 7/16/2015 18:04 |
| 1,1,2-Trichloroethane       | < 4.15 | ug/Kg |           | 7/16/2015 18:04 |
| 1,1-Dichloroethane          | < 4.15 | ug/Kg |           | 7/16/2015 18:04 |
| 1,1-Dichloroethene          | < 4.15 | ug/Kg |           | 7/16/2015 18:04 |
| 1,2,3-Trichlorobenzene      | < 10.4 | ug/Kg |           | 7/16/2015 18:04 |
| 1,2,4-Trichlorobenzene      | < 10.4 | ug/Kg |           | 7/16/2015 18:04 |
| 1,2-Dibromo-3-Chloropropane | < 20.8 | ug/Kg |           | 7/16/2015 18:04 |
| 1,2-Dibromoethane           | < 4.15 | ug/Kg |           | 7/16/2015 18:04 |
| 1,2-Dichlorobenzene         | < 4.15 | ug/Kg |           | 7/16/2015 18:04 |
| 1,2-Dichloroethane          | < 4.15 | ug/Kg |           | 7/16/2015 18:04 |
| 1,2-Dichloropropane         | < 4.15 | ug/Kg |           | 7/16/2015 18:04 |
| 1,3-Dichlorobenzene         | < 4.15 | ug/Kg |           | 7/16/2015 18:04 |
| 1,4-Dichlorobenzene         | < 4.15 | ug/Kg |           | 7/16/2015 18:04 |
| 1,4-dioxane                 | < 41.5 | ug/Kg |           | 7/16/2015 18:04 |
| 2-Butanone                  | < 20.8 | ug/Kg |           | 7/16/2015 18:04 |
| 2-Hexanone                  | < 10.4 | ug/Kg |           | 7/16/2015 18:04 |
| 4-Methyl-2-pentanone        | < 10.4 | ug/Kg |           | 7/16/2015 18:04 |
| Acetone                     | < 20.8 | ug/Kg |           | 7/16/2015 18:04 |
| Benzene                     | < 4.15 | ug/Kg |           | 7/16/2015 18:04 |
| Bromochloromethane          | < 10.4 | ug/Kg |           | 7/16/2015 18:04 |
| Bromodichloromethane        | < 4.15 | ug/Kg |           | 7/16/2015 18:04 |
| Bromoform                   | < 10.4 | ug/Kg |           | 7/16/2015 18:04 |
| Bromomethane                | < 4.15 | ug/Kg |           | 7/16/2015 18:04 |
| Carbon disulfide            | < 4.15 | ug/Kg |           | 7/16/2015 18:04 |
| Carbon Tetrachloride        | < 4.15 | ug/Kg |           | 7/16/2015 18:04 |
| Chlorobenzene               | < 4.15 | ug/Kg |           | 7/16/2015 18:04 |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Wednesday, July 22, 2015





Lab Project ID: 152950

Client: Lu Engineers, Inc.

Project Reference: Orchard-Whitney 4216-06

|                           |           |       |  |                       |           |
|---------------------------|-----------|-------|--|-----------------------|-----------|
| <b>Sample Identifier:</b> | OW-BD-01  |       |  |                       |           |
| <b>Lab Sample ID:</b>     | 152950-05 |       |  | <b>Date Sampled:</b>  | 7/15/2015 |
| <b>Matrix:</b>            | Soil      |       |  | <b>Date Received:</b> | 7/15/2015 |
| Chloroethane              | < 4.15    | ug/Kg |  | 7/16/2015             | 18:04     |
| Chloroform                | < 4.15    | ug/Kg |  | 7/16/2015             | 18:04     |
| Chloromethane             | < 4.15    | ug/Kg |  | 7/16/2015             | 18:04     |
| cis-1,2-Dichloroethene    | < 4.15    | ug/Kg |  | 7/16/2015             | 18:04     |
| cis-1,3-Dichloropropene   | < 4.15    | ug/Kg |  | 7/16/2015             | 18:04     |
| Cyclohexane               | < 20.8    | ug/Kg |  | 7/16/2015             | 18:04     |
| Dibromochloromethane      | < 4.15    | ug/Kg |  | 7/16/2015             | 18:04     |
| Dichlorodifluoromethane   | < 4.15    | ug/Kg |  | 7/16/2015             | 18:04     |
| Ethylbenzene              | < 4.15    | ug/Kg |  | 7/16/2015             | 18:04     |
| Freon 113                 | < 4.15    | ug/Kg |  | 7/16/2015             | 18:04     |
| Isopropylbenzene          | < 4.15    | ug/Kg |  | 7/16/2015             | 18:04     |
| m,p-Xylene                | < 4.15    | ug/Kg |  | 7/16/2015             | 18:04     |
| Methyl acetate            | < 4.15    | ug/Kg |  | 7/16/2015             | 18:04     |
| Methyl tert-butyl Ether   | < 4.15    | ug/Kg |  | 7/16/2015             | 18:04     |
| Methylcyclohexane         | < 4.15    | ug/Kg |  | 7/16/2015             | 18:04     |
| Methylene chloride        | < 10.4    | ug/Kg |  | 7/16/2015             | 18:04     |
| o-Xylene                  | < 4.15    | ug/Kg |  | 7/16/2015             | 18:04     |
| Styrene                   | < 10.4    | ug/Kg |  | 7/16/2015             | 18:04     |
| Tetrachloroethene         | < 4.15    | ug/Kg |  | 7/16/2015             | 18:04     |
| Toluene                   | < 4.15    | ug/Kg |  | 7/16/2015             | 18:04     |
| trans-1,2-Dichloroethene  | < 4.15    | ug/Kg |  | 7/16/2015             | 18:04     |
| trans-1,3-Dichloropropene | < 4.15    | ug/Kg |  | 7/16/2015             | 18:04     |
| Trichloroethene           | < 4.15    | ug/Kg |  | 7/16/2015             | 18:04     |
| Trichlorofluoromethane    | < 4.15    | ug/Kg |  | 7/16/2015             | 18:04     |
| Vinyl chloride            | < 4.15    | ug/Kg |  | 7/16/2015             | 18:04     |

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Report Prepared Wednesday, July 22, 2015



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-BD-01

**Lab Sample ID:** 152950-05

**Date Sampled:** 7/15/2015

**Matrix:** Soil

**Date Received:** 7/15/2015

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |       |
|-----------------------|-------------------------|---------------|-----------------|----------------------|-------|
| 1,2-Dichloroethane-d4 | <b>112</b>              | 80.6 - 125    |                 | 7/16/2015            | 18:04 |
| 4-Bromofluorobenzene  | <b>86.0</b>             | 86.6 - 111    | *               | 7/16/2015            | 18:04 |
| Pentafluorobenzene    | <b>92.9</b>             | 90.9 - 107    |                 | 7/16/2015            | 18:04 |
| Toluene-D8            | <b>97.1</b>             | 90.8 - 109    |                 | 7/16/2015            | 18:04 |

**Method Reference(s):** EPA 8260C  
EPA 5035

**Data File:** x24645.D

*This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.*



## Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

Each page of this document is part of a multipage report. This document may not be reproduced except in its entirety, without the prior consent of Paradigm Environmental Services, Inc.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

*"<" = Analyzed for but not detected at or above the quantitation limit.*

*"E" = Result has been estimated, calibration limit exceeded.*

*"Z" = See case narrative.*

*"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.*

*"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.*

*"B" = Method blank contained trace levels of analyte. Refer to included method blank report.*

*"J" = Result estimated between the quantitation limit and half the quantitation limit.*

*"L" = Laboratory Control Sample recovery outside accepted QC limits.*

*"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.*  
*"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.*

*"\*" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

*"(1)" = Indicates data from primary column used for QC calculation.*

# GENERAL TERMS AND CONDITIONS

## LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term, or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

### **Warranty.**

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

### **Scope and Compensation.**

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

### **Prices.**

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

### **Limitations of Liability.**

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

### **Hazard Disclosure.**

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

### **Sample Handling.**

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises. Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

### **Legal Responsibility.**

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

### **Assignment.**

LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

### **Force Majeure.**

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

### **Law.**

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

# CHAIN OF CUSTODY



PARADIGM

REPORT TO:

INVOICE TO:

LAB PROJECT ID

|                                 |                                          |                                          |
|---------------------------------|------------------------------------------|------------------------------------------|
| CLIENT: <u>W ENGINEERS</u>      | CLIENT: <u>SAVME</u>                     | LAB PROJECT ID: <u>150950</u>            |
| ADDRESS: <u>125 Sully Rd</u>    | ADDRESS: <u>SAVME</u>                    | Quotation #: <u>150950</u>               |
| CITY: <u>ROCHESTER</u>          | CITY: <u>SAVME</u>                       | Email: <u>Acheremette@wengineers.com</u> |
| STATE: <u>NY</u>                | STATE: <u>NY</u>                         |                                          |
| ZIP: <u>14622</u>               | ZIP: <u>14622</u>                        |                                          |
| PHONE: <u>(585) 385-7114</u>    | PHONE: <u>(585) 385-7114</u>             |                                          |
| ATN: <u>Ag: CHELSEA</u>         | ATN: <u>Ag: CHELSEA</u>                  |                                          |
| Matrix Codes: <u>WA - Water</u> | Matrix Codes: <u>WW - Drinking Water</u> | SO - Soil                                |
| <u>AQ - Aqueous Liquid</u>      | <u>WV - Wastewater</u>                   | SL - Sludge                              |
| <u>NQ - Non-Aqueous Liquid</u>  | <u>WG - Groundwater</u>                  | SD - Solid                               |
|                                 |                                          | PT - Paint                               |
|                                 |                                          | WP - Wipe                                |
|                                 |                                          | CK - Caulk                               |
|                                 |                                          | OL - Oil                                 |
|                                 |                                          | AR - Air                                 |

REQUESTED ANALYSIS

| DATE COLLECTED | TIME COLLECTED | C O M P O S I T E | G R A B | SAMPLE IDENTIFIER               | M C A O T R E X I S | C O N T A I N E R S | REMARKS     | PARADIGM LAB SAMPLE NUMBER |
|----------------|----------------|-------------------|---------|---------------------------------|---------------------|---------------------|-------------|----------------------------|
| 1 7/15/15      | 1020           |                   | X       | DW-TP-09                        |                     | 1                   |             | 01                         |
| 2 7/15/15      | 1230           |                   | X       | DW-TP-10                        |                     | 2                   |             | 02                         |
| 3 7/15/15      | 1230           |                   | X       | DW-TP-10-17                     |                     | 1                   | Soil/Sludge | 03                         |
| 4 7/15/15      | 1400           |                   | X       | <del>DW-TP-10-11</del> DW-TP-11 |                     | 2                   |             | 04                         |
| 5 7/15/15      | -              |                   | X       | DW-BD-01                        |                     | 2                   |             | 05                         |
| 6              |                |                   |         |                                 |                     |                     |             |                            |
| 7              |                |                   |         |                                 |                     |                     |             |                            |
| 8              |                |                   |         |                                 |                     |                     |             |                            |
| 9              |                |                   |         |                                 |                     |                     |             |                            |
| 10             |                |                   |         |                                 |                     |                     |             |                            |

Turnaround Time

Report Supplements

Availability contingent upon lab approval; additional fees may apply.

|                |                                     |            |                                     |            |                                     |
|----------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|
| Standard 5 day | <input checked="" type="checkbox"/> | Batch QC   | <input type="checkbox"/>            | Basic EDD  | <input type="checkbox"/>            |
| Rush 3 day     | <input type="checkbox"/>            | Category A | <input type="checkbox"/>            | NVSEDC EDD | <input checked="" type="checkbox"/> |
| Rush 2 day     | <input type="checkbox"/>            | Category B | <input checked="" type="checkbox"/> |            |                                     |
| Rush 1 day     | <input type="checkbox"/>            |            |                                     |            |                                     |
| Other          | <input type="checkbox"/>            | Other      | <input type="checkbox"/>            | Other EDD  | <input type="checkbox"/>            |

Please indicate: \_\_\_\_\_

Ag: CHELSEA

Sampled By: [Signature] Date/Time: 7/15/15 1430

Relinquished By: [Signature] Date/Time: 7/15/15 15:09

Received By: [Signature] Date/Time: 7/15/15 15:02

Received @ Lab By: [Signature] Date/Time: 7/15/15 16:09

Total Cost:

PLIF:

13°C in sealed stainless steel field  
Custody seals N/A, samples delivered by client. GP 7/15/15

1072



### Chain of Custody Supplement

Client: Lu Engineers Completed by: Glen Pezzulo  
 Lab Project ID: 152950 Date: 7/15/15

**Sample Condition Requirements**  
 Per NELAC/ELAP 210/241/242/243/244

| Condition                                  | NELAC compliance with the sample condition requirements upon receipt |                                          |                                            |
|--------------------------------------------|----------------------------------------------------------------------|------------------------------------------|--------------------------------------------|
|                                            | Yes                                                                  | No                                       | N/A                                        |
| Container Type                             | <input checked="" type="checkbox"/>                                  | <input checked="" type="checkbox"/> So35 | <input type="checkbox"/>                   |
| Comments                                   | _____                                                                |                                          |                                            |
| Transferred to method-compliant container  | <input type="checkbox"/>                                             | <input type="checkbox"/>                 | <input checked="" type="checkbox"/>        |
| Headspace (<1 mL)                          | <input type="checkbox"/>                                             | <input type="checkbox"/>                 | <input checked="" type="checkbox"/>        |
| Comments                                   | _____                                                                |                                          |                                            |
| Preservation                               | <input type="checkbox"/>                                             | <input type="checkbox"/>                 | <input checked="" type="checkbox"/>        |
| Comments                                   | _____                                                                |                                          |                                            |
| Chlorine Absent (<0.10 ppm per test strip) | <input type="checkbox"/>                                             | <input type="checkbox"/>                 | <input checked="" type="checkbox"/>        |
| Comments                                   | _____                                                                |                                          |                                            |
| Holding Time                               | <input checked="" type="checkbox"/>                                  | <input type="checkbox"/>                 | <input type="checkbox"/>                   |
| Comments                                   | _____                                                                |                                          |                                            |
| Temperature                                | <input checked="" type="checkbox"/>                                  | <input type="checkbox"/>                 | <input checked="" type="checkbox"/> metals |
| Comments                                   | <u>13°C iced started in field</u>                                    |                                          |                                            |
| Sufficient Sample Quantity                 | <input checked="" type="checkbox"/>                                  | <input type="checkbox"/>                 | <input type="checkbox"/>                   |
| Comments                                   | _____                                                                |                                          |                                            |



**Lab Project ID:** 152980

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

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**Sample Identifier:** OW-TP-12

**Lab Sample ID:** 152980-01

**Date Sampled:** 7/16/2015

**Matrix:** Soil

**Date Received:** 7/16/2015

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**Mercury**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| Mercury                     | <b>0.0308</b> | mg/Kg        |                  | 7/20/2015 13:03      |
| <b>Method Reference(s):</b> | EPA 7471B     |              |                  |                      |
| <b>Preparation Date:</b>    | 7/17/2015     |              |                  |                      |
| <b>Data File:</b>           | Hg150720A     |              |                  |                      |

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*Report Prepared Thursday, July 23, 2015*



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-12

**Lab Sample ID:** 152980-01

**Matrix:** Soil

**Date Sampled:** 7/16/2015

**Date Received:** 7/16/2015

**RCRA Metals (ICP)**

| <b>Analyte</b> | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic        | <b>4.29</b>   | mg/Kg        | M                | 7/21/2015 14:34      |
| Barium         | <b>439</b>    | mg/Kg        | M                | 7/21/2015 14:34      |
| Cadmium        | <b>0.270</b>  | mg/Kg        | JM               | 7/21/2015 14:34      |
| Chromium       | <b>7.66</b>   | mg/Kg        | M                | 7/21/2015 14:34      |
| Lead           | <b>6.35</b>   | mg/Kg        | M                | 7/21/2015 14:34      |
| Selenium       | <b>1.22</b>   | mg/Kg        | M                | 7/22/2015 18:13      |
| Silver         | < 0.590       | mg/Kg        | M                | 7/21/2015 14:34      |

**Method Reference(s):** EPA 6010C  
EPA 3050  
**Preparation Date:** 7/20/2015  
**Data File:** 072115b

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Lab Project ID: 152980

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-12

**Lab Sample ID:** 152980-01

**Matrix:** Soil

**Date Sampled:** 7/16/2015

**Date Received:** 7/16/2015

**PCBs**

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016       | < 0.0354      | mg/Kg        |                  | 7/22/2015 15:27      |
| PCB-1221       | < 0.0354      | mg/Kg        |                  | 7/22/2015 15:27      |
| PCB-1232       | < 0.0354      | mg/Kg        |                  | 7/22/2015 15:27      |
| PCB-1242       | < 0.0354      | mg/Kg        |                  | 7/22/2015 15:27      |
| PCB-1248       | < 0.0354      | mg/Kg        |                  | 7/22/2015 15:27      |
| PCB-1254       | < 0.0354      | mg/Kg        |                  | 7/22/2015 15:27      |
| PCB-1260       | < 0.0354      | mg/Kg        |                  | 7/22/2015 15:27      |
| PCB-1262       | < 0.0354      | mg/Kg        |                  | 7/22/2015 15:27      |
| PCB-1268       | < 0.0354      | mg/Kg        |                  | 7/22/2015 15:27      |

| <u>Surrogate</u>     | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl   | 67.2                    | 30.5 - 159    |                 | 7/22/2015 15:27      |
| Tetrachloro-m-xylene | 41.0                    | 23.2 - 144    |                 | 7/22/2015 15:27      |

**Method Reference(s):** EPA 8082A  
EPA 3550C  
**Preparation Date:** 7/21/2015

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Thursday, July 23, 2015



Lab Project ID: 152980

Client: Lu Engineers, Inc.

Project Reference: Orchard-Whitney 4216-06

Sample Identifier: OW-TP-12

Lab Sample ID: 152980-01

Date Sampled: 7/16/2015

Matrix: Soil

Date Received: 7/16/2015

**Volatile Organics**

| Analyte                     | Result | Units | Qualifier | Date Analyzed   |
|-----------------------------|--------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane       | < 42.4 | ug/Kg |           | 7/21/2015 18:33 |
| 1,1,2,2-Tetrachloroethane   | < 42.4 | ug/Kg |           | 7/21/2015 18:33 |
| 1,1,2-Trichloroethane       | < 42.4 | ug/Kg |           | 7/21/2015 18:33 |
| 1,1-Dichloroethane          | < 42.4 | ug/Kg |           | 7/21/2015 18:33 |
| 1,1-Dichloroethene          | < 42.4 | ug/Kg |           | 7/21/2015 18:33 |
| 1,2,3-Trichlorobenzene      | < 106  | ug/Kg |           | 7/21/2015 18:33 |
| 1,2,4-Trichlorobenzene      | < 106  | ug/Kg |           | 7/21/2015 18:33 |
| 1,2-Dibromo-3-Chloropropane | < 212  | ug/Kg |           | 7/21/2015 18:33 |
| 1,2-Dibromoethane           | < 42.4 | ug/Kg |           | 7/21/2015 18:33 |
| 1,2-Dichlorobenzene         | < 42.4 | ug/Kg |           | 7/21/2015 18:33 |
| 1,2-Dichloroethane          | < 42.4 | ug/Kg |           | 7/21/2015 18:33 |
| 1,2-Dichloropropane         | < 42.4 | ug/Kg |           | 7/21/2015 18:33 |
| 1,3-Dichlorobenzene         | < 42.4 | ug/Kg |           | 7/21/2015 18:33 |
| 1,4-Dichlorobenzene         | < 42.4 | ug/Kg |           | 7/21/2015 18:33 |
| 1,4-dioxane                 | < 424  | ug/Kg |           | 7/21/2015 18:33 |
| 2-Butanone                  | < 212  | ug/Kg |           | 7/21/2015 18:33 |
| 2-Hexanone                  | < 106  | ug/Kg |           | 7/21/2015 18:33 |
| 4-Methyl-2-pentanone        | < 106  | ug/Kg |           | 7/21/2015 18:33 |
| Acetone                     | < 212  | ug/Kg |           | 7/21/2015 18:33 |
| Benzene                     | < 42.4 | ug/Kg |           | 7/21/2015 18:33 |
| Bromochloromethane          | < 106  | ug/Kg |           | 7/21/2015 18:33 |
| Bromodichloromethane        | < 42.4 | ug/Kg |           | 7/21/2015 18:33 |
| Bromoform                   | < 106  | ug/Kg |           | 7/21/2015 18:33 |
| Bromomethane                | < 42.4 | ug/Kg |           | 7/21/2015 18:33 |
| Carbon disulfide            | < 42.4 | ug/Kg |           | 7/21/2015 18:33 |
| Carbon Tetrachloride        | < 42.4 | ug/Kg |           | 7/21/2015 18:33 |
| Chlorobenzene               | < 42.4 | ug/Kg |           | 7/21/2015 18:33 |

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**Client:** **Lu Engineers, Inc.**

**Project Reference:** Orchard-Whitney 4216-06

|                           |             |       |                       |           |
|---------------------------|-------------|-------|-----------------------|-----------|
| <b>Sample Identifier:</b> | OW-TP-12    |       |                       |           |
| <b>Lab Sample ID:</b>     | 152980-01   |       | <b>Date Sampled:</b>  | 7/16/2015 |
| <b>Matrix:</b>            | Soil        |       | <b>Date Received:</b> | 7/16/2015 |
| Chloroethane              | < 42.4      | ug/Kg | 7/21/2015             | 18:33     |
| Chloroform                | < 42.4      | ug/Kg | 7/21/2015             | 18:33     |
| Chloromethane             | < 42.4      | ug/Kg | 7/21/2015             | 18:33     |
| cis-1,2-Dichloroethene    | < 42.4      | ug/Kg | 7/21/2015             | 18:33     |
| cis-1,3-Dichloropropene   | < 42.4      | ug/Kg | 7/21/2015             | 18:33     |
| Cyclohexane               | < 212       | ug/Kg | 7/21/2015             | 18:33     |
| Dibromochloromethane      | < 42.4      | ug/Kg | 7/21/2015             | 18:33     |
| Dichlorodifluoromethane   | < 42.4      | ug/Kg | 7/21/2015             | 18:33     |
| Ethylbenzene              | < 42.4      | ug/Kg | 7/21/2015             | 18:33     |
| Freon 113                 | < 42.4      | ug/Kg | 7/21/2015             | 18:33     |
| Isopropylbenzene          | < 42.4      | ug/Kg | 7/21/2015             | 18:33     |
| m,p-Xylene                | < 42.4      | ug/Kg | 7/21/2015             | 18:33     |
| Methyl acetate            | < 42.4      | ug/Kg | 7/21/2015             | 18:33     |
| Methyl tert-butyl Ether   | < 42.4      | ug/Kg | 7/21/2015             | 18:33     |
| Methylcyclohexane         | <b>61.2</b> | ug/Kg | 7/21/2015             | 18:33     |
| Methylene chloride        | < 106       | ug/Kg | 7/21/2015             | 18:33     |
| o-Xylene                  | < 42.4      | ug/Kg | 7/21/2015             | 18:33     |
| Styrene                   | < 106       | ug/Kg | 7/21/2015             | 18:33     |
| Tetrachloroethene         | < 42.4      | ug/Kg | 7/21/2015             | 18:33     |
| Toluene                   | < 42.4      | ug/Kg | 7/21/2015             | 18:33     |
| trans-1,2-Dichloroethene  | < 42.4      | ug/Kg | 7/21/2015             | 18:33     |
| trans-1,3-Dichloropropene | < 42.4      | ug/Kg | 7/21/2015             | 18:33     |
| Trichloroethene           | < 42.4      | ug/Kg | 7/21/2015             | 18:33     |
| Trichlorofluoromethane    | < 42.4      | ug/Kg | 7/21/2015             | 18:33     |
| Vinyl chloride            | < 42.4      | ug/Kg | 7/21/2015             | 18:33     |

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**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-12

**Lab Sample ID:** 152980-01

**Date Sampled:** 7/16/2015

**Matrix:** Soil

**Date Received:** 7/16/2015

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |       |
|-----------------------|-------------------------|---------------|-----------------|----------------------|-------|
| 1,2-Dichloroethane-d4 | <b>104</b>              | 80.6 - 125    |                 | 7/21/2015            | 18:33 |
| 4-Bromofluorobenzene  | <b>112</b>              | 86.6 - 111    | *               | 7/21/2015            | 18:33 |
| Pentafluorobenzene    | <b>100</b>              | 90.9 - 107    |                 | 7/21/2015            | 18:33 |
| Toluene-D8            | <b>104</b>              | 90.8 - 109    |                 | 7/21/2015            | 18:33 |

*Reporting limit elevated due to non-target compounds*

**Method Reference(s):** EPA 8260C  
EPA 5035

**Data File:** x24768.D

*This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.*



Lab Project ID: 152980

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

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**Sample Identifier:** OW-TP-13

**Lab Sample ID:** 152980-02

**Date Sampled:** 7/16/2015

**Matrix:** Soil

**Date Received:** 7/16/2015

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**Mercury**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| Mercury                     | <b>0.0129</b> | mg/Kg        |                  | 7/20/2015 13:06      |
| <b>Method Reference(s):</b> | EPA 7471B     |              |                  |                      |
| <b>Preparation Date:</b>    | 7/17/2015     |              |                  |                      |
| <b>Data File:</b>           | Hg150720A     |              |                  |                      |

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Report Prepared Thursday, July 23, 2015



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-13

**Lab Sample ID:** 152980-02

**Matrix:** Soil

**Date Sampled:** 7/16/2015

**Date Received:** 7/16/2015

**RCRA Metals (ICP)**

| <b>Analyte</b> | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic        | <b>4.67</b>   | mg/Kg        |                  | 7/21/2015 14:52      |
| Barium         | <b>24.9</b>   | mg/Kg        |                  | 7/21/2015 14:52      |
| Cadmium        | <b>1.68</b>   | mg/Kg        |                  | 7/21/2015 14:52      |
| Chromium       | <b>7.23</b>   | mg/Kg        |                  | 7/21/2015 14:52      |
| Lead           | <b>5.70</b>   | mg/Kg        |                  | 7/21/2015 14:52      |
| Selenium       | < 0.631       | mg/Kg        |                  | 7/21/2015 14:52      |
| Silver         | < 0.631       | mg/Kg        |                  | 7/21/2015 14:52      |

**Method Reference(s):** EPA 6010C  
EPA 3050  
**Preparation Date:** 7/20/2015  
**Data File:** 072115b

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Lab Project ID: 152980

Client: Lu Engineers, Inc.

Project Reference: Orchard-Whitney 4216-06

Sample Identifier: OW-TP-13

Lab Sample ID: 152980-02

Matrix: Soil

Date Sampled: 7/16/2015

Date Received: 7/16/2015

**PCBs**

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016       | < 0.0358      | mg/Kg        |                  | 7/21/2015 16:30      |
| PCB-1221       | < 0.0358      | mg/Kg        |                  | 7/21/2015 16:30      |
| PCB-1232       | < 0.0358      | mg/Kg        |                  | 7/21/2015 16:30      |
| PCB-1242       | < 0.0358      | mg/Kg        |                  | 7/21/2015 16:30      |
| PCB-1248       | < 0.0358      | mg/Kg        |                  | 7/21/2015 16:30      |
| PCB-1254       | < 0.0358      | mg/Kg        |                  | 7/21/2015 16:30      |
| PCB-1260       | < 0.0358      | mg/Kg        |                  | 7/21/2015 16:30      |
| PCB-1262       | < 0.0358      | mg/Kg        |                  | 7/21/2015 16:30      |
| PCB-1268       | < 0.0358      | mg/Kg        |                  | 7/21/2015 16:30      |

| <u>Surrogate</u>     | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl   | 61.9                    | 30.5 - 159    |                 | 7/21/2015 16:30      |
| Tetrachloro-m-xylene | 54.2                    | 23.2 - 144    |                 | 7/21/2015 16:30      |

Method Reference(s): EPA 8082A  
 EPA 3550C  
 Preparation Date: 7/21/2015

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Report Prepared Thursday, July 23, 2015



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-13

**Lab Sample ID:** 152980-02

**Matrix:** Soil

**Date Sampled:** 7/16/2015

**Date Received:** 7/16/2015

**Volatile Organics**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| 1,1,1-Trichloroethane       | < 5.13        | ug/Kg        |                  | 7/21/2015 17:22      |
| 1,1,2,2-Tetrachloroethane   | < 5.13        | ug/Kg        |                  | 7/21/2015 17:22      |
| 1,1,2-Trichloroethane       | < 5.13        | ug/Kg        |                  | 7/21/2015 17:22      |
| 1,1-Dichloroethane          | < 5.13        | ug/Kg        |                  | 7/21/2015 17:22      |
| 1,1-Dichloroethene          | < 5.13        | ug/Kg        |                  | 7/21/2015 17:22      |
| 1,2,3-Trichlorobenzene      | < 12.8        | ug/Kg        |                  | 7/21/2015 17:22      |
| 1,2,4-Trichlorobenzene      | < 12.8        | ug/Kg        |                  | 7/21/2015 17:22      |
| 1,2-Dibromo-3-Chloropropane | < 25.6        | ug/Kg        |                  | 7/21/2015 17:22      |
| 1,2-Dibromoethane           | < 5.13        | ug/Kg        |                  | 7/21/2015 17:22      |
| 1,2-Dichlorobenzene         | < 5.13        | ug/Kg        |                  | 7/21/2015 17:22      |
| 1,2-Dichloroethane          | < 5.13        | ug/Kg        |                  | 7/21/2015 17:22      |
| 1,2-Dichloropropane         | < 5.13        | ug/Kg        |                  | 7/21/2015 17:22      |
| 1,3-Dichlorobenzene         | < 5.13        | ug/Kg        |                  | 7/21/2015 17:22      |
| 1,4-Dichlorobenzene         | < 5.13        | ug/Kg        |                  | 7/21/2015 17:22      |
| 1,4-dioxane                 | < 51.3        | ug/Kg        |                  | 7/21/2015 17:22      |
| 2-Butanone                  | < 25.6        | ug/Kg        |                  | 7/21/2015 17:22      |
| 2-Hexanone                  | < 12.8        | ug/Kg        |                  | 7/21/2015 17:22      |
| 4-Methyl-2-pentanone        | < 12.8        | ug/Kg        |                  | 7/21/2015 17:22      |
| Acetone                     | < 25.6        | ug/Kg        |                  | 7/21/2015 17:22      |
| Benzene                     | < 5.13        | ug/Kg        |                  | 7/21/2015 17:22      |
| Bromochloromethane          | < 12.8        | ug/Kg        |                  | 7/21/2015 17:22      |
| Bromodichloromethane        | < 5.13        | ug/Kg        |                  | 7/21/2015 17:22      |
| Bromoform                   | < 12.8        | ug/Kg        |                  | 7/21/2015 17:22      |
| Bromomethane                | < 5.13        | ug/Kg        |                  | 7/21/2015 17:22      |
| Carbon disulfide            | < 5.13        | ug/Kg        |                  | 7/21/2015 17:22      |
| Carbon Tetrachloride        | < 5.13        | ug/Kg        |                  | 7/21/2015 17:22      |
| Chlorobenzene               | < 5.13        | ug/Kg        |                  | 7/21/2015 17:22      |

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**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-13

**Lab Sample ID:** 152980-02

**Date Sampled:** 7/16/2015

**Matrix:** Soil

**Date Received:** 7/16/2015

|                           |        |       |           |       |
|---------------------------|--------|-------|-----------|-------|
| Chloroethane              | < 5.13 | ug/Kg | 7/21/2015 | 17:22 |
| Chloroform                | < 5.13 | ug/Kg | 7/21/2015 | 17:22 |
| Chloromethane             | < 5.13 | ug/Kg | 7/21/2015 | 17:22 |
| cis-1,2-Dichloroethene    | < 5.13 | ug/Kg | 7/21/2015 | 17:22 |
| cis-1,3-Dichloropropene   | < 5.13 | ug/Kg | 7/21/2015 | 17:22 |
| Cyclohexane               | < 25.6 | ug/Kg | 7/21/2015 | 17:22 |
| Dibromochloromethane      | < 5.13 | ug/Kg | 7/21/2015 | 17:22 |
| Dichlorodifluoromethane   | < 5.13 | ug/Kg | 7/21/2015 | 17:22 |
| Ethylbenzene              | < 5.13 | ug/Kg | 7/21/2015 | 17:22 |
| Freon 113                 | < 5.13 | ug/Kg | 7/21/2015 | 17:22 |
| Isopropylbenzene          | < 5.13 | ug/Kg | 7/21/2015 | 17:22 |
| m,p-Xylene                | < 5.13 | ug/Kg | 7/21/2015 | 17:22 |
| Methyl acetate            | < 5.13 | ug/Kg | 7/21/2015 | 17:22 |
| Methyl tert-butyl Ether   | < 5.13 | ug/Kg | 7/21/2015 | 17:22 |
| Methylcyclohexane         | < 5.13 | ug/Kg | 7/21/2015 | 17:22 |
| Methylene chloride        | < 12.8 | ug/Kg | 7/21/2015 | 17:22 |
| o-Xylene                  | < 5.13 | ug/Kg | 7/21/2015 | 17:22 |
| Styrene                   | < 12.8 | ug/Kg | 7/21/2015 | 17:22 |
| Tetrachloroethene         | < 5.13 | ug/Kg | 7/21/2015 | 17:22 |
| Toluene                   | < 5.13 | ug/Kg | 7/21/2015 | 17:22 |
| trans-1,2-Dichloroethene  | < 5.13 | ug/Kg | 7/21/2015 | 17:22 |
| trans-1,3-Dichloropropene | < 5.13 | ug/Kg | 7/21/2015 | 17:22 |
| Trichloroethene           | < 5.13 | ug/Kg | 7/21/2015 | 17:22 |
| Trichlorofluoromethane    | < 5.13 | ug/Kg | 7/21/2015 | 17:22 |
| Vinyl chloride            | < 5.13 | ug/Kg | 7/21/2015 | 17:22 |

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**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-13

**Lab Sample ID:** 152980-02

**Date Sampled:** 7/16/2015

**Matrix:** Soil

**Date Received:** 7/16/2015

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |       |
|-----------------------|-------------------------|---------------|-----------------|----------------------|-------|
| 1,2-Dichloroethane-d4 | <b>102</b>              | 80.6 - 125    |                 | 7/21/2015            | 17:22 |
| 4-Bromofluorobenzene  | <b>99.2</b>             | 86.6 - 111    |                 | 7/21/2015            | 17:22 |
| Pentafluorobenzene    | <b>101</b>              | 90.9 - 107    |                 | 7/21/2015            | 17:22 |
| Toluene-D8            | <b>95.6</b>             | 90.8 - 109    |                 | 7/21/2015            | 17:22 |

**Method Reference(s):** EPA 8260C  
EPA 5035

**Data File:** x24765.D

*This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.*



**Lab Project ID:** 152980

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

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**Sample Identifier:** OW-TP-14

**Lab Sample ID:** 152980-03

**Date Sampled:** 7/16/2015

**Matrix:** Soil

**Date Received:** 7/16/2015

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**Mercury**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| Mercury                     | <b>0.0328</b> | mg/Kg        |                  | 7/20/2015 13:09      |
| <b>Method Reference(s):</b> | EPA 7471B     |              |                  |                      |
| <b>Preparation Date:</b>    | 7/17/2015     |              |                  |                      |
| <b>Data File:</b>           | Hg150720A     |              |                  |                      |

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*Report Prepared Thursday, July 23, 2015*



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-14

**Lab Sample ID:** 152980-03

**Matrix:** Soil

**Date Sampled:** 7/16/2015

**Date Received:** 7/16/2015

**RCRA Metals (ICP)**

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic        | <b>5.21</b>   | mg/Kg        |                  | 7/21/2015 14:56      |
| Barium         | <b>41.5</b>   | mg/Kg        |                  | 7/21/2015 14:56      |
| Cadmium        | <b>0.991</b>  | mg/Kg        |                  | 7/21/2015 14:56      |
| Chromium       | <b>10.4</b>   | mg/Kg        |                  | 7/21/2015 14:56      |
| Lead           | <b>21.0</b>   | mg/Kg        |                  | 7/21/2015 14:56      |
| Selenium       | <b>0.443</b>  | mg/Kg        | J                | 7/21/2015 14:56      |
| Silver         | < 0.561       | mg/Kg        |                  | 7/21/2015 14:56      |

**Method Reference(s):** EPA 6010C  
EPA 3050  
**Preparation Date:** 7/20/2015  
**Data File:** 072115b

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**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-14

**Lab Sample ID:** 152980-03

**Matrix:** Soil

**Date Sampled:** 7/16/2015

**Date Received:** 7/16/2015

**PCBs**

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016       | < 0.0343      | mg/Kg        |                  | 7/21/2015 16:55      |
| PCB-1221       | < 0.0343      | mg/Kg        |                  | 7/21/2015 16:55      |
| PCB-1232       | < 0.0343      | mg/Kg        |                  | 7/21/2015 16:55      |
| PCB-1242       | < 0.0343      | mg/Kg        |                  | 7/21/2015 16:55      |
| PCB-1248       | < 0.0343      | mg/Kg        |                  | 7/21/2015 16:55      |
| PCB-1254       | < 0.0343      | mg/Kg        |                  | 7/21/2015 16:55      |
| PCB-1260       | < 0.0343      | mg/Kg        |                  | 7/21/2015 16:55      |
| PCB-1262       | < 0.0343      | mg/Kg        |                  | 7/21/2015 16:55      |
| PCB-1268       | < 0.0343      | mg/Kg        |                  | 7/21/2015 16:55      |

| <u>Surrogate</u>     | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl   | <b>71.4</b>             | 30.5 - 159    |                 | 7/21/2015 16:55      |
| Tetrachloro-m-xylene | <b>43.9</b>             | 23.2 - 144    |                 | 7/21/2015 16:55      |

**Method Reference(s):** EPA 8082A  
EPA 3550C  
**Preparation Date:** 7/21/2015

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Lab Project ID: 152980

Client: Lu Engineers, Inc.

Project Reference: Orchard-Whitney 4216-06

Sample Identifier: OW-TP-14

Lab Sample ID: 152980-03

Date Sampled: 7/16/2015

Matrix: Soil

Date Received: 7/16/2015

Volatile Organics

| Analyte                     | Result | Units | Qualifier | Date Analyzed   |
|-----------------------------|--------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane       | < 4.57 | ug/Kg |           | 7/21/2015 17:46 |
| 1,1,2,2-Tetrachloroethane   | < 4.57 | ug/Kg |           | 7/21/2015 17:46 |
| 1,1,2-Trichloroethane       | < 4.57 | ug/Kg |           | 7/21/2015 17:46 |
| 1,1-Dichloroethane          | < 4.57 | ug/Kg |           | 7/21/2015 17:46 |
| 1,1-Dichloroethene          | < 4.57 | ug/Kg |           | 7/21/2015 17:46 |
| 1,2,3-Trichlorobenzene      | < 11.4 | ug/Kg |           | 7/21/2015 17:46 |
| 1,2,4-Trichlorobenzene      | < 11.4 | ug/Kg |           | 7/21/2015 17:46 |
| 1,2-Dibromo-3-Chloropropane | < 22.8 | ug/Kg |           | 7/21/2015 17:46 |
| 1,2-Dibromoethane           | < 4.57 | ug/Kg |           | 7/21/2015 17:46 |
| 1,2-Dichlorobenzene         | < 4.57 | ug/Kg |           | 7/21/2015 17:46 |
| 1,2-Dichloroethane          | < 4.57 | ug/Kg |           | 7/21/2015 17:46 |
| 1,2-Dichloropropane         | < 4.57 | ug/Kg |           | 7/21/2015 17:46 |
| 1,3-Dichlorobenzene         | < 4.57 | ug/Kg |           | 7/21/2015 17:46 |
| 1,4-Dichlorobenzene         | < 4.57 | ug/Kg |           | 7/21/2015 17:46 |
| 1,4-dioxane                 | < 45.7 | ug/Kg |           | 7/21/2015 17:46 |
| 2-Butanone                  | < 22.8 | ug/Kg |           | 7/21/2015 17:46 |
| 2-Hexanone                  | < 11.4 | ug/Kg |           | 7/21/2015 17:46 |
| 4-Methyl-2-pentanone        | < 11.4 | ug/Kg |           | 7/21/2015 17:46 |
| Acetone                     | < 22.8 | ug/Kg |           | 7/21/2015 17:46 |
| Benzene                     | < 4.57 | ug/Kg |           | 7/21/2015 17:46 |
| Bromochloromethane          | < 11.4 | ug/Kg |           | 7/21/2015 17:46 |
| Bromodichloromethane        | < 4.57 | ug/Kg |           | 7/21/2015 17:46 |
| Bromoform                   | < 11.4 | ug/Kg |           | 7/21/2015 17:46 |
| Bromomethane                | < 4.57 | ug/Kg |           | 7/21/2015 17:46 |
| Carbon disulfide            | < 4.57 | ug/Kg |           | 7/21/2015 17:46 |
| Carbon Tetrachloride        | < 4.57 | ug/Kg |           | 7/21/2015 17:46 |
| Chlorobenzene               | < 4.57 | ug/Kg |           | 7/21/2015 17:46 |

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Report Prepared Thursday, July 23, 2015



Lab Project ID: 152980

Client: Lu Engineers, Inc.

Project Reference: Orchard-Whitney 4216-06

|                           |           |       |  |                       |           |
|---------------------------|-----------|-------|--|-----------------------|-----------|
| <b>Sample Identifier:</b> | OW-TP-14  |       |  |                       |           |
| <b>Lab Sample ID:</b>     | 152980-03 |       |  | <b>Date Sampled:</b>  | 7/16/2015 |
| <b>Matrix:</b>            | Soil      |       |  | <b>Date Received:</b> | 7/16/2015 |
| Chloroethane              | < 4.57    | ug/Kg |  | 7/21/2015             | 17:46     |
| Chloroform                | < 4.57    | ug/Kg |  | 7/21/2015             | 17:46     |
| Chloromethane             | < 4.57    | ug/Kg |  | 7/21/2015             | 17:46     |
| cis-1,2-Dichloroethene    | < 4.57    | ug/Kg |  | 7/21/2015             | 17:46     |
| cis-1,3-Dichloropropene   | < 4.57    | ug/Kg |  | 7/21/2015             | 17:46     |
| Cyclohexane               | < 22.8    | ug/Kg |  | 7/21/2015             | 17:46     |
| Dibromochloromethane      | < 4.57    | ug/Kg |  | 7/21/2015             | 17:46     |
| Dichlorodifluoromethane   | < 4.57    | ug/Kg |  | 7/21/2015             | 17:46     |
| Ethylbenzene              | < 4.57    | ug/Kg |  | 7/21/2015             | 17:46     |
| Freon 113                 | < 4.57    | ug/Kg |  | 7/21/2015             | 17:46     |
| Isopropylbenzene          | < 4.57    | ug/Kg |  | 7/21/2015             | 17:46     |
| m,p-Xylene                | < 4.57    | ug/Kg |  | 7/21/2015             | 17:46     |
| Methyl acetate            | < 4.57    | ug/Kg |  | 7/21/2015             | 17:46     |
| Methyl tert-butyl Ether   | < 4.57    | ug/Kg |  | 7/21/2015             | 17:46     |
| Methylcyclohexane         | < 4.57    | ug/Kg |  | 7/21/2015             | 17:46     |
| Methylene chloride        | < 11.4    | ug/Kg |  | 7/21/2015             | 17:46     |
| o-Xylene                  | < 4.57    | ug/Kg |  | 7/21/2015             | 17:46     |
| Styrene                   | < 11.4    | ug/Kg |  | 7/21/2015             | 17:46     |
| Tetrachloroethene         | < 4.57    | ug/Kg |  | 7/21/2015             | 17:46     |
| Toluene                   | < 4.57    | ug/Kg |  | 7/21/2015             | 17:46     |
| trans-1,2-Dichloroethene  | < 4.57    | ug/Kg |  | 7/21/2015             | 17:46     |
| trans-1,3-Dichloropropene | < 4.57    | ug/Kg |  | 7/21/2015             | 17:46     |
| Trichloroethene           | < 4.57    | ug/Kg |  | 7/21/2015             | 17:46     |
| Trichlorofluoromethane    | < 4.57    | ug/Kg |  | 7/21/2015             | 17:46     |
| Vinyl chloride            | < 4.57    | ug/Kg |  | 7/21/2015             | 17:46     |

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Report Prepared Thursday, July 23, 2015



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-14

**Lab Sample ID:** 152980-03

**Date Sampled:** 7/16/2015

**Matrix:** Soil

**Date Received:** 7/16/2015

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | <b>104</b>              | 80.6 - 125    |                 | 7/21/2015 17:46      |
| 4-Bromofluorobenzene  | <b>92.3</b>             | 86.6 - 111    |                 | 7/21/2015 17:46      |
| Pentafluorobenzene    | <b>99.2</b>             | 90.9 - 107    |                 | 7/21/2015 17:46      |
| Toluene-D8            | <b>95.1</b>             | 90.8 - 109    |                 | 7/21/2015 17:46      |

**Method Reference(s):** EPA 8260C  
EPA 5035

**Data File:** x24766.D

*This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.*





Lab Project ID: 152980

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

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**Sample Identifier:** OW-TP-15

**Lab Sample ID:** 152980-04

**Date Sampled:** 7/16/2015

**Matrix:** Soil

**Date Received:** 7/16/2015

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**Mercury**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| Mercury                     | <b>0.0384</b> | mg/Kg        |                  | 7/20/2015 13:13      |
| <b>Method Reference(s):</b> | EPA 7471B     |              |                  |                      |
| <b>Preparation Date:</b>    | 7/17/2015     |              |                  |                      |
| <b>Data File:</b>           | Hg150720A     |              |                  |                      |

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Report Prepared Thursday, July 23, 2015



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-15

**Lab Sample ID:** 152980-04

**Matrix:** Soil

**Date Sampled:** 7/16/2015

**Date Received:** 7/16/2015

**RCRA Metals (ICP)**

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic        | <b>6.62</b>   | mg/Kg        |                  | 7/21/2015 15:09      |
| Barium         | <b>42.6</b>   | mg/Kg        |                  | 7/21/2015 15:09      |
| Cadmium        | <b>1.76</b>   | mg/Kg        |                  | 7/21/2015 15:09      |
| Chromium       | <b>10.4</b>   | mg/Kg        |                  | 7/21/2015 15:09      |
| Lead           | <b>6.19</b>   | mg/Kg        |                  | 7/21/2015 15:09      |
| Selenium       | < 0.653       | mg/Kg        |                  | 7/21/2015 15:09      |
| Silver         | < 0.653       | mg/Kg        |                  | 7/21/2015 15:09      |

**Method Reference(s):** EPA 6010C  
EPA 3050  
**Preparation Date:** 7/20/2015  
**Data File:** 072115b

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**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-15

**Lab Sample ID:** 152980-04

**Matrix:** Soil

**Date Sampled:** 7/16/2015

**Date Received:** 7/16/2015

**PCBs**

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016       | < 0.0388      | mg/Kg        |                  | 7/22/2015 15:51      |
| PCB-1221       | < 0.0388      | mg/Kg        |                  | 7/22/2015 15:51      |
| PCB-1232       | < 0.0388      | mg/Kg        |                  | 7/22/2015 15:51      |
| PCB-1242       | < 0.0388      | mg/Kg        |                  | 7/22/2015 15:51      |
| PCB-1248       | < 0.0388      | mg/Kg        |                  | 7/22/2015 15:51      |
| PCB-1254       | < 0.0388      | mg/Kg        |                  | 7/22/2015 15:51      |
| PCB-1260       | < 0.0388      | mg/Kg        |                  | 7/22/2015 15:51      |
| PCB-1262       | < 0.0388      | mg/Kg        |                  | 7/22/2015 15:51      |
| PCB-1268       | < 0.0388      | mg/Kg        |                  | 7/22/2015 15:51      |

| <u>Surrogate</u>     | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl   | <b>76.6</b>             | 30.5 - 159    |                 | 7/22/2015 15:51      |
| Tetrachloro-m-xylene | <b>41.0</b>             | 23.2 - 144    |                 | 7/22/2015 15:51      |

**Method Reference(s):** EPA 8082A  
EPA 3550C  
**Preparation Date:** 7/21/2015

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Lab Project ID: 152980

Client: Lu Engineers, Inc.

Project Reference: Orchard-Whitney 4216-06

Sample Identifier: OW-TP-15

Lab Sample ID: 152980-04

Date Sampled: 7/16/2015

Matrix: Soil

Date Received: 7/16/2015

Volatile Organics

| Analyte                     | Result      | Units | Qualifier | Date Analyzed   |
|-----------------------------|-------------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane       | < 5.21      | ug/Kg |           | 7/22/2015 15:07 |
| 1,1,2,2-Tetrachloroethane   | < 5.21      | ug/Kg |           | 7/22/2015 15:07 |
| 1,1,2-Trichloroethane       | < 5.21      | ug/Kg |           | 7/22/2015 15:07 |
| 1,1-Dichloroethane          | < 5.21      | ug/Kg |           | 7/22/2015 15:07 |
| 1,1-Dichloroethene          | < 5.21      | ug/Kg |           | 7/22/2015 15:07 |
| 1,2,3-Trichlorobenzene      | < 13.0      | ug/Kg |           | 7/22/2015 15:07 |
| 1,2,4-Trichlorobenzene      | < 13.0      | ug/Kg |           | 7/22/2015 15:07 |
| 1,2-Dibromo-3-Chloropropane | < 26.0      | ug/Kg |           | 7/22/2015 15:07 |
| 1,2-Dibromoethane           | < 5.21      | ug/Kg |           | 7/22/2015 15:07 |
| 1,2-Dichlorobenzene         | < 5.21      | ug/Kg |           | 7/22/2015 15:07 |
| 1,2-Dichloroethane          | < 5.21      | ug/Kg |           | 7/22/2015 15:07 |
| 1,2-Dichloropropane         | < 5.21      | ug/Kg |           | 7/22/2015 15:07 |
| 1,3-Dichlorobenzene         | < 5.21      | ug/Kg |           | 7/22/2015 15:07 |
| 1,4-Dichlorobenzene         | < 5.21      | ug/Kg |           | 7/22/2015 15:07 |
| 1,4-dioxane                 | < 52.1      | ug/Kg |           | 7/22/2015 15:07 |
| 2-Butanone                  | < 26.0      | ug/Kg |           | 7/22/2015 15:07 |
| 2-Hexanone                  | < 13.0      | ug/Kg |           | 7/22/2015 15:07 |
| 4-Methyl-2-pentanone        | < 13.0      | ug/Kg |           | 7/22/2015 15:07 |
| Acetone                     | <b>18.0</b> | ug/Kg | J         | 7/22/2015 15:07 |
| Benzene                     | < 5.21      | ug/Kg |           | 7/22/2015 15:07 |
| Bromochloromethane          | < 13.0      | ug/Kg |           | 7/22/2015 15:07 |
| Bromodichloromethane        | < 5.21      | ug/Kg |           | 7/22/2015 15:07 |
| Bromoform                   | < 13.0      | ug/Kg |           | 7/22/2015 15:07 |
| Bromomethane                | < 5.21      | ug/Kg |           | 7/22/2015 15:07 |
| Carbon disulfide            | < 5.21      | ug/Kg |           | 7/22/2015 15:07 |
| Carbon Tetrachloride        | < 5.21      | ug/Kg |           | 7/22/2015 15:07 |
| Chlorobenzene               | < 5.21      | ug/Kg |           | 7/22/2015 15:07 |

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**Client:** **Lu Engineers, Inc.**

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-15

**Lab Sample ID:** 152980-04

**Date Sampled:** 7/16/2015

**Matrix:** Soil

**Date Received:** 7/16/2015

|                           |             |       |           |       |
|---------------------------|-------------|-------|-----------|-------|
| Chloroethane              | < 5.21      | ug/Kg | 7/22/2015 | 15:07 |
| Chloroform                | < 5.21      | ug/Kg | 7/22/2015 | 15:07 |
| Chloromethane             | < 5.21      | ug/Kg | 7/22/2015 | 15:07 |
| cis-1,2-Dichloroethene    | < 5.21      | ug/Kg | 7/22/2015 | 15:07 |
| cis-1,3-Dichloropropene   | < 5.21      | ug/Kg | 7/22/2015 | 15:07 |
| Cyclohexane               | < 26.0      | ug/Kg | 7/22/2015 | 15:07 |
| Dibromochloromethane      | < 5.21      | ug/Kg | 7/22/2015 | 15:07 |
| Dichlorodifluoromethane   | < 5.21      | ug/Kg | 7/22/2015 | 15:07 |
| Ethylbenzene              | < 5.21      | ug/Kg | 7/22/2015 | 15:07 |
| Freon 113                 | < 5.21      | ug/Kg | 7/22/2015 | 15:07 |
| Isopropylbenzene          | < 5.21      | ug/Kg | 7/22/2015 | 15:07 |
| m,p-Xylene                | < 5.21      | ug/Kg | 7/22/2015 | 15:07 |
| Methyl acetate            | < 5.21      | ug/Kg | 7/22/2015 | 15:07 |
| Methyl tert-butyl Ether   | < 5.21      | ug/Kg | 7/22/2015 | 15:07 |
| Methylcyclohexane         | <b>5.92</b> | ug/Kg | 7/22/2015 | 15:07 |
| Methylene chloride        | < 13.0      | ug/Kg | 7/22/2015 | 15:07 |
| o-Xylene                  | < 5.21      | ug/Kg | 7/22/2015 | 15:07 |
| Styrene                   | < 13.0      | ug/Kg | 7/22/2015 | 15:07 |
| Tetrachloroethene         | < 5.21      | ug/Kg | 7/22/2015 | 15:07 |
| Toluene                   | < 5.21      | ug/Kg | 7/22/2015 | 15:07 |
| trans-1,2-Dichloroethene  | < 5.21      | ug/Kg | 7/22/2015 | 15:07 |
| trans-1,3-Dichloropropene | < 5.21      | ug/Kg | 7/22/2015 | 15:07 |
| Trichloroethene           | < 5.21      | ug/Kg | 7/22/2015 | 15:07 |
| Trichlorofluoromethane    | < 5.21      | ug/Kg | 7/22/2015 | 15:07 |
| Vinyl chloride            | < 5.21      | ug/Kg | 7/22/2015 | 15:07 |

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**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-15

**Lab Sample ID:** 152980-04

**Date Sampled:** 7/16/2015

**Matrix:** Soil

**Date Received:** 7/16/2015

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |       |
|-----------------------|-------------------------|---------------|-----------------|----------------------|-------|
| 1,2-Dichloroethane-d4 | <b>102</b>              | 80.6 - 125    |                 | 7/22/2015            | 15:07 |
| 4-Bromofluorobenzene  | <b>75.4</b>             | 86.6 - 111    | *               | 7/22/2015            | 15:07 |
| Pentafluorobenzene    | <b>98.8</b>             | 90.9 - 107    |                 | 7/22/2015            | 15:07 |
| Toluene-D8            | <b>104</b>              | 90.8 - 109    |                 | 7/22/2015            | 15:07 |

**Method Reference(s):** EPA 8260C  
EPA 5035

**Data File:** x24819.D

*This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.*



**Lab Project ID:** 152980

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

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**Sample Identifier:** OW-TP-16

**Lab Sample ID:** 152980-05

**Date Sampled:** 7/16/2015

**Matrix:** Soil

**Date Received:** 7/16/2015

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**Mercury**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| Mercury                     | <b>0.0127</b> | mg/Kg        |                  | 7/20/2015 13:16      |
| <b>Method Reference(s):</b> | EPA 7471B     |              |                  |                      |
| <b>Preparation Date:</b>    | 7/17/2015     |              |                  |                      |
| <b>Data File:</b>           | Hg150720A     |              |                  |                      |

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*Report Prepared Thursday, July 23, 2015*



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-16

**Lab Sample ID:** 152980-05

**Matrix:** Soil

**Date Sampled:** 7/16/2015

**Date Received:** 7/16/2015

**RCRA Metals (ICP)**

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic        | <b>4.98</b>   | mg/Kg        |                  | 7/21/2015 15:12      |
| Barium         | <b>34.7</b>   | mg/Kg        |                  | 7/21/2015 15:12      |
| Cadmium        | <b>1.00</b>   | mg/Kg        |                  | 7/21/2015 15:12      |
| Chromium       | <b>9.47</b>   | mg/Kg        |                  | 7/21/2015 15:12      |
| Lead           | <b>4.65</b>   | mg/Kg        |                  | 7/21/2015 15:12      |
| Selenium       | < 0.560       | mg/Kg        |                  | 7/21/2015 15:12      |
| Silver         | < 0.560       | mg/Kg        |                  | 7/21/2015 15:12      |

**Method Reference(s):** EPA 6010C  
EPA 3050  
**Preparation Date:** 7/20/2015  
**Data File:** 072115b

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**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-16

**Lab Sample ID:** 152980-05

**Matrix:** Soil

**Date Sampled:** 7/16/2015

**Date Received:** 7/16/2015

**PCBs**

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016       | < 0.0342      | mg/Kg        |                  | 7/21/2015 17:43      |
| PCB-1221       | < 0.0342      | mg/Kg        |                  | 7/21/2015 17:43      |
| PCB-1232       | < 0.0342      | mg/Kg        |                  | 7/21/2015 17:43      |
| PCB-1242       | < 0.0342      | mg/Kg        |                  | 7/21/2015 17:43      |
| PCB-1248       | < 0.0342      | mg/Kg        |                  | 7/21/2015 17:43      |
| PCB-1254       | < 0.0342      | mg/Kg        |                  | 7/21/2015 17:43      |
| PCB-1260       | < 0.0342      | mg/Kg        |                  | 7/21/2015 17:43      |
| PCB-1262       | < 0.0342      | mg/Kg        |                  | 7/21/2015 17:43      |
| PCB-1268       | < 0.0342      | mg/Kg        |                  | 7/21/2015 17:43      |

| <u>Surrogate</u>     | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl   | 67.6                    | 30.5 - 159    |                 | 7/21/2015 17:43      |
| Tetrachloro-m-xylene | 37.6                    | 23.2 - 144    |                 | 7/21/2015 17:43      |

**Method Reference(s):** EPA 8082A  
EPA 3550C  
**Preparation Date:** 7/21/2015

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**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-16

**Lab Sample ID:** 152980-05

**Matrix:** Soil

**Date Sampled:** 7/16/2015

**Date Received:** 7/16/2015

**Volatile Organics**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| 1,1,1-Trichloroethane       | < 4.68        | ug/Kg        |                  | 7/21/2015 18:09      |
| 1,1,2,2-Tetrachloroethane   | < 4.68        | ug/Kg        |                  | 7/21/2015 18:09      |
| 1,1,2-Trichloroethane       | < 4.68        | ug/Kg        |                  | 7/21/2015 18:09      |
| 1,1-Dichloroethane          | < 4.68        | ug/Kg        |                  | 7/21/2015 18:09      |
| 1,1-Dichloroethene          | < 4.68        | ug/Kg        |                  | 7/21/2015 18:09      |
| 1,2,3-Trichlorobenzene      | < 11.7        | ug/Kg        |                  | 7/21/2015 18:09      |
| 1,2,4-Trichlorobenzene      | < 11.7        | ug/Kg        |                  | 7/21/2015 18:09      |
| 1,2-Dibromo-3-Chloropropane | < 23.4        | ug/Kg        |                  | 7/21/2015 18:09      |
| 1,2-Dibromoethane           | < 4.68        | ug/Kg        |                  | 7/21/2015 18:09      |
| 1,2-Dichlorobenzene         | < 4.68        | ug/Kg        |                  | 7/21/2015 18:09      |
| 1,2-Dichloroethane          | < 4.68        | ug/Kg        |                  | 7/21/2015 18:09      |
| 1,2-Dichloropropane         | < 4.68        | ug/Kg        |                  | 7/21/2015 18:09      |
| 1,3-Dichlorobenzene         | < 4.68        | ug/Kg        |                  | 7/21/2015 18:09      |
| 1,4-Dichlorobenzene         | < 4.68        | ug/Kg        |                  | 7/21/2015 18:09      |
| 1,4-dioxane                 | < 46.8        | ug/Kg        |                  | 7/21/2015 18:09      |
| 2-Butanone                  | < 23.4        | ug/Kg        |                  | 7/21/2015 18:09      |
| 2-Hexanone                  | < 11.7        | ug/Kg        |                  | 7/21/2015 18:09      |
| 4-Methyl-2-pentanone        | < 11.7        | ug/Kg        |                  | 7/21/2015 18:09      |
| Acetone                     | < 23.4        | ug/Kg        |                  | 7/21/2015 18:09      |
| Benzene                     | < 4.68        | ug/Kg        |                  | 7/21/2015 18:09      |
| Bromochloromethane          | < 11.7        | ug/Kg        |                  | 7/21/2015 18:09      |
| Bromodichloromethane        | < 4.68        | ug/Kg        |                  | 7/21/2015 18:09      |
| Bromoform                   | < 11.7        | ug/Kg        |                  | 7/21/2015 18:09      |
| Bromomethane                | < 4.68        | ug/Kg        |                  | 7/21/2015 18:09      |
| Carbon disulfide            | < 4.68        | ug/Kg        |                  | 7/21/2015 18:09      |
| Carbon Tetrachloride        | < 4.68        | ug/Kg        |                  | 7/21/2015 18:09      |
| Chlorobenzene               | < 4.68        | ug/Kg        |                  | 7/21/2015 18:09      |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Lab Project ID: 152980

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

|                           |           |       |                       |           |
|---------------------------|-----------|-------|-----------------------|-----------|
| <b>Sample Identifier:</b> | OW-TP-16  |       |                       |           |
| <b>Lab Sample ID:</b>     | 152980-05 |       | <b>Date Sampled:</b>  | 7/16/2015 |
| <b>Matrix:</b>            | Soil      |       | <b>Date Received:</b> | 7/16/2015 |
| Chloroethane              | < 4.68    | ug/Kg | 7/21/2015             | 18:09     |
| Chloroform                | < 4.68    | ug/Kg | 7/21/2015             | 18:09     |
| Chloromethane             | < 4.68    | ug/Kg | 7/21/2015             | 18:09     |
| cis-1,2-Dichloroethene    | < 4.68    | ug/Kg | 7/21/2015             | 18:09     |
| cis-1,3-Dichloropropene   | < 4.68    | ug/Kg | 7/21/2015             | 18:09     |
| Cyclohexane               | < 23.4    | ug/Kg | 7/21/2015             | 18:09     |
| Dibromochloromethane      | < 4.68    | ug/Kg | 7/21/2015             | 18:09     |
| Dichlorodifluoromethane   | < 4.68    | ug/Kg | 7/21/2015             | 18:09     |
| Ethylbenzene              | < 4.68    | ug/Kg | 7/21/2015             | 18:09     |
| Freon 113                 | < 4.68    | ug/Kg | 7/21/2015             | 18:09     |
| Isopropylbenzene          | < 4.68    | ug/Kg | 7/21/2015             | 18:09     |
| m,p-Xylene                | < 4.68    | ug/Kg | 7/21/2015             | 18:09     |
| Methyl acetate            | < 4.68    | ug/Kg | 7/21/2015             | 18:09     |
| Methyl tert-butyl Ether   | < 4.68    | ug/Kg | 7/21/2015             | 18:09     |
| Methylcyclohexane         | < 4.68    | ug/Kg | 7/21/2015             | 18:09     |
| Methylene chloride        | < 11.7    | ug/Kg | 7/21/2015             | 18:09     |
| o-Xylene                  | < 4.68    | ug/Kg | 7/21/2015             | 18:09     |
| Styrene                   | < 11.7    | ug/Kg | 7/21/2015             | 18:09     |
| Tetrachloroethene         | < 4.68    | ug/Kg | 7/21/2015             | 18:09     |
| Toluene                   | < 4.68    | ug/Kg | 7/21/2015             | 18:09     |
| trans-1,2-Dichloroethene  | < 4.68    | ug/Kg | 7/21/2015             | 18:09     |
| trans-1,3-Dichloropropene | < 4.68    | ug/Kg | 7/21/2015             | 18:09     |
| Trichloroethene           | < 4.68    | ug/Kg | 7/21/2015             | 18:09     |
| Trichlorofluoromethane    | < 4.68    | ug/Kg | 7/21/2015             | 18:09     |
| Vinyl chloride            | < 4.68    | ug/Kg | 7/21/2015             | 18:09     |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Thursday, July 23, 2015



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-16

**Lab Sample ID:** 152980-05

**Date Sampled:** 7/16/2015

**Matrix:** Soil

**Date Received:** 7/16/2015

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | <b>101</b>              | 80.6 - 125    |                 | 7/21/2015 18:09      |
| 4-Bromofluorobenzene  | <b>94.2</b>             | 86.6 - 111    |                 | 7/21/2015 18:09      |
| Pentafluorobenzene    | <b>100</b>              | 90.9 - 107    |                 | 7/21/2015 18:09      |
| Toluene-D8            | <b>94.6</b>             | 90.8 - 109    |                 | 7/21/2015 18:09      |

**Method Reference(s):** EPA 8260C  
EPA 5035

**Data File:** x24767.D

*This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.*

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



## Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

*"<" = Analyzed for but not detected at or above the quantitation limit.*

*"E" = Result has been estimated, calibration limit exceeded.*

*"Z" = See case narrative.*

*"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.*

*"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.*

*"B" = Method blank contained trace levels of analyte. Refer to included method blank report.*

*"J" = Result estimated between the quantitation limit and half the quantitation limit.*

*"L" = Laboratory Control Sample recovery outside accepted QC limits.*

*"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.*  
*"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.*

*"\*" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

*"(1)" = Indicates data from primary column used for QC calculation.*

# GENERAL TERMS AND CONDITIONS

## LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term, or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

### **Warranty.**

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

### **Scope and Compensation.**

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

### **Prices.**

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

### **Limitations of Liability.**

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

### **Hazard Disclosure.**

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

### **Sample Handling.**

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises. Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

### **Legal Responsibility.**

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

### **Assignment.**

LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

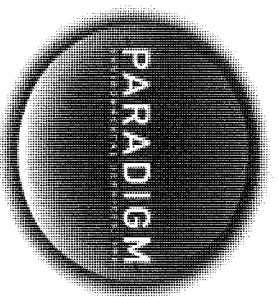
### **Force Majeure.**

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

### **Law.**

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

# CHAIN OF CUSTODY



|                                                   |  |                                                                     |  |                                              |  |                                                      |  |
|---------------------------------------------------|--|---------------------------------------------------------------------|--|----------------------------------------------|--|------------------------------------------------------|--|
| <b>REPORT TO:</b>                                 |  | <b>CLIENT:</b> LV ENGINEERS                                         |  | <b>INVOICE TO:</b> DANIEL                    |  | <b>LAB PROJECT ID:</b> 152980                        |  |
| <b>ADDRESS:</b> 175 SWEETMAN 202                  |  | <b>ADDRESS:</b>                                                     |  | <b>STATE:</b> NY                             |  | <b>ZIP:</b>                                          |  |
| <b>CITY:</b> PITTSFORD NY 14534                   |  | <b>CITY:</b>                                                        |  | <b>STATE:</b>                                |  | <b>ZIP:</b>                                          |  |
| <b>PHONE:</b> 585 385 7414                        |  | <b>PHONE:</b>                                                       |  | <b>STATE:</b>                                |  | <b>ZIP:</b>                                          |  |
| <b>ATTN:</b> Ari Charementoff                     |  | <b>ATTN:</b>                                                        |  | <b>STATE:</b>                                |  | <b>ZIP:</b>                                          |  |
| <b>PROJECT REFERENCE:</b> Order - Urthmen 4216-06 |  | <b>Matrix Codes:</b> AQ - Aqueous Liquid<br>NQ - Non-Aqueous Liquid |  | <b>WA - Water</b><br><b>WG - Groundwater</b> |  | <b>DW - Drinking Water</b><br><b>WW - Wastewater</b> |  |
|                                                   |  |                                                                     |  | <b>SO - Soil</b><br><b>SL - Sludge</b>       |  | <b>SD - Solid</b><br><b>PT - Paint</b>               |  |
|                                                   |  |                                                                     |  |                                              |  | <b>WP - Wipe</b><br><b>CK - Caulk</b>                |  |
|                                                   |  |                                                                     |  |                                              |  | <b>OL - Oil</b><br><b>AR - Air</b>                   |  |
|                                                   |  |                                                                     |  |                                              |  | <b>Quotation #:</b>                                  |  |
|                                                   |  |                                                                     |  |                                              |  | <b>Email:</b> achermentoff@lvengineers.com           |  |

| DATE COLLECTED | TIME COLLECTED | COMPOSITE | GRADES | SAMPLE IDENTIFIER | MATERIALS | CONTAMINANTS | REQUESTED ANALYSIS | REMARKS      | PARADIGM LAB SAMPLE NUMBER |
|----------------|----------------|-----------|--------|-------------------|-----------|--------------|--------------------|--------------|----------------------------|
| 1/16/15        | 0935           | X         |        | OW-TR-12          | SO        | 2            | X                  | TCL VOC B2L6 | 01                         |
| 2              | 1040           | X         |        | OW-TR-13          | SO        | 2            | X                  | PCRA 6020    | 02                         |
| 3              | 1140           | X         |        | OW-TR-14          | SO        | 2            | X                  | PCB B082     | 03                         |
| 4              | 1310           | X         |        | OW-TR-15          | SO        | 2            | X                  |              | 04                         |
| 5              | 1340           | X         |        | OW-TR-16          | SO        | 2            | X                  |              | 05                         |
| 6              |                |           |        |                   |           |              |                    |              |                            |
| 7              |                |           |        |                   |           |              |                    |              |                            |
| 8              |                |           |        |                   |           |              |                    |              |                            |
| 9              |                |           |        |                   |           |              |                    |              |                            |
| 10             |                |           |        |                   |           |              |                    |              |                            |

|                                                                       |                                     |                           |                                     |
|-----------------------------------------------------------------------|-------------------------------------|---------------------------|-------------------------------------|
| <b>Turnaround Time</b>                                                |                                     | <b>Report Supplements</b> |                                     |
| Availability contingent upon lab approval; additional fees may apply. |                                     |                           |                                     |
| Standard 5 day                                                        | <input checked="" type="checkbox"/> | Batch QC                  | <input type="checkbox"/>            |
| Rush 3 day                                                            | <input type="checkbox"/>            | Category A                | <input type="checkbox"/>            |
| Rush 2 day                                                            | <input type="checkbox"/>            | Category B                | <input checked="" type="checkbox"/> |
| Rush 1 day                                                            | <input type="checkbox"/>            | Other                     | <input type="checkbox"/>            |
| Other                                                                 | <input type="checkbox"/>            | Other EDD                 | <input type="checkbox"/>            |
| please indicate:                                                      |                                     | please indicate:          |                                     |

**Received By:** Ari Charementoff  
**Date/Time:** 1/16/15 13:40  
**Received By:** [Signature]  
**Date/Time:** 1/16/15 14:43  
**Received By:** [Signature]  
**Date/Time:** 1/16/15 17:02  
**Received @ Lab By:** [Signature]

**Remarks:** B'icial station in field  
 Custody seals with client delivery  
 1/16/15 7:16 AM

10/2



### Chain of Custody Supplement

Client: Lu Engineers

Completed by: Glen Pezzulo

Lab Project ID: 152980

Date: 7/17/15

#### Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

| Condition                                  | NELAC compliance with the sample condition requirements upon receipt |                                          |                                           |
|--------------------------------------------|----------------------------------------------------------------------|------------------------------------------|-------------------------------------------|
|                                            | Yes                                                                  | No                                       | N/A                                       |
| Container Type                             | <input checked="" type="checkbox"/>                                  | <input checked="" type="checkbox"/> 5035 | <input type="checkbox"/>                  |
| Comments                                   | _____                                                                |                                          |                                           |
| Transferred to method-compliant container  | <input type="checkbox"/>                                             | <input type="checkbox"/>                 | <input checked="" type="checkbox"/>       |
| Headspace (<1 mL)                          | <input type="checkbox"/>                                             | <input type="checkbox"/>                 | <input checked="" type="checkbox"/>       |
| Comments                                   | _____                                                                |                                          |                                           |
| Preservation                               | <input type="checkbox"/>                                             | <input type="checkbox"/>                 | <input checked="" type="checkbox"/>       |
| Comments                                   | _____                                                                |                                          |                                           |
| Chlorine Absent (<0.10 ppm per test strip) | <input type="checkbox"/>                                             | <input type="checkbox"/>                 | <input checked="" type="checkbox"/>       |
| Comments                                   | _____                                                                |                                          |                                           |
| Holding Time                               | <input checked="" type="checkbox"/>                                  | <input type="checkbox"/>                 | <input type="checkbox"/>                  |
| Comments                                   | _____                                                                |                                          |                                           |
| Temperature                                | <input checked="" type="checkbox"/>                                  | <input type="checkbox"/>                 | <input checked="" type="checkbox"/> nkl's |
| Comments                                   | <u>8°C iced started in field</u>                                     |                                          |                                           |
| Sufficient Sample Quantity                 | <input checked="" type="checkbox"/>                                  | <input type="checkbox"/>                 | <input type="checkbox"/>                  |
| Comments                                   | _____                                                                |                                          |                                           |





Lab Project ID: 153072

**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

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**Sample Identifier:** MW-26

**Lab Sample ID:** 153072-01

**Date Sampled:** 7/20/2015

**Matrix:** Soil

**Date Received:** 7/22/2015

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**Mercury**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| Mercury                     | <b>0.0105</b> | mg/Kg        |                  | 7/27/2015 13:03      |
| <b>Method Reference(s):</b> | EPA 7471B     |              |                  |                      |
| <b>Preparation Date:</b>    | 7/24/2015     |              |                  |                      |
| <b>Data File:</b>           | Hg150727A     |              |                  |                      |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Wednesday, July 29, 2015



**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** MW-26

**Lab Sample ID:** 153072-01

**Matrix:** Soil

**Date Sampled:** 7/20/2015

**Date Received:** 7/22/2015

**TAL Metals (ICP)**

| <b>Analyte</b> | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|----------------|---------------|--------------|------------------|----------------------|
| Aluminum       | 3590          | mg/Kg        |                  | 7/28/2015 11:49      |
| Antimony       | < 3.06        | mg/Kg        |                  | 7/28/2015 11:49      |
| Arsenic        | 3.37          | mg/Kg        |                  | 7/28/2015 11:49      |
| Barium         | 25.2          | mg/Kg        |                  | 7/28/2015 11:49      |
| Beryllium      | 0.168         | mg/Kg        | J                | 7/28/2015 11:49      |
| Cadmium        | < 0.255       | mg/Kg        |                  | 7/28/2015 11:49      |
| Calcium        | 46700         | mg/Kg        |                  | 7/28/2015 11:54      |
| Chromium       | 5.56          | mg/Kg        |                  | 7/28/2015 11:49      |
| Cobalt         | 3.21          | mg/Kg        |                  | 7/28/2015 11:49      |
| Copper         | 7.48          | mg/Kg        |                  | 7/28/2015 11:49      |
| Iron           | 8560          | mg/Kg        |                  | 7/28/2015 11:49      |
| Lead           | 1.59          | mg/Kg        |                  | 7/28/2015 11:49      |
| Magnesium      | 8680          | mg/Kg        |                  | 7/28/2015 11:49      |
| Manganese      | 242           | mg/Kg        |                  | 7/28/2015 11:49      |
| Nickel         | 6.18          | mg/Kg        |                  | 7/28/2015 11:49      |
| Potassium      | 849           | mg/Kg        |                  | 7/28/2015 11:49      |
| Selenium       | 0.743         | mg/Kg        |                  | 7/28/2015 11:49      |
| Silver         | < 0.510       | mg/Kg        |                  | 7/28/2015 11:49      |
| Sodium         | 116           | mg/Kg        | J                | 7/28/2015 11:49      |
| Thallium       | 2.13          | mg/Kg        |                  | 7/28/2015 11:49      |
| Vanadium       | 10.6          | mg/Kg        |                  | 7/28/2015 11:49      |
| Zinc           | 13.8          | mg/Kg        |                  | 7/28/2015 11:49      |

**Method Reference(s):** EPA 6010C  
EPA 3050  
**Preparation Date:** 7/24/2015  
**Data File:** 072815a

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** MW-26

**Lab Sample ID:** 153072-01

**Matrix:** Soil

**Date Sampled:** 7/20/2015

**Date Received:** 7/22/2015

**PCBs**

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016       | < 0.331       | mg/Kg        |                  | 7/23/2015 22:54      |
| PCB-1221       | < 0.331       | mg/Kg        |                  | 7/23/2015 22:54      |
| PCB-1232       | < 0.331       | mg/Kg        |                  | 7/23/2015 22:54      |
| PCB-1242       | < 0.331       | mg/Kg        |                  | 7/23/2015 22:54      |
| PCB-1248       | < 0.331       | mg/Kg        |                  | 7/23/2015 22:54      |
| PCB-1254       | < 0.331       | mg/Kg        |                  | 7/23/2015 22:54      |
| PCB-1260       | < 0.331       | mg/Kg        |                  | 7/23/2015 22:54      |
| PCB-1262       | < 0.331       | mg/Kg        |                  | 7/23/2015 22:54      |
| PCB-1268       | < 0.331       | mg/Kg        |                  | 7/23/2015 22:54      |

| <u>Surrogate</u>     | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl   | <b>59.3</b>             | 33.3 - 147    |                 | 7/23/2015 22:54      |
| Tetrachloro-m-xylene | <b>83.4</b>             | 4.91 - 155    |                 | 7/23/2015 22:54      |

**Method Reference(s):** EPA 8082A  
EPA 3550C  
**Preparation Date:** 7/23/2015

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** MW-26

**Lab Sample ID:** 153072-01

**Matrix:** Soil

**Date Sampled:** 7/20/2015

**Date Received:** 7/22/2015

**Volatile Organics**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| 1,1,1-Trichloroethane       | < 8.24        | ug/Kg        |                  | 7/24/2015 21:22      |
| 1,1,2,2-Tetrachloroethane   | < 8.24        | ug/Kg        |                  | 7/24/2015 21:22      |
| 1,1,2-Trichloroethane       | < 8.24        | ug/Kg        |                  | 7/24/2015 21:22      |
| 1,1-Dichloroethane          | < 8.24        | ug/Kg        |                  | 7/24/2015 21:22      |
| 1,1-Dichloroethene          | < 8.24        | ug/Kg        |                  | 7/24/2015 21:22      |
| 1,2,3-Trichlorobenzene      | < 20.6        | ug/Kg        |                  | 7/24/2015 21:22      |
| 1,2,4-Trichlorobenzene      | < 20.6        | ug/Kg        |                  | 7/24/2015 21:22      |
| 1,2-Dibromo-3-Chloropropane | < 41.2        | ug/Kg        |                  | 7/24/2015 21:22      |
| 1,2-Dibromoethane           | < 8.24        | ug/Kg        |                  | 7/24/2015 21:22      |
| 1,2-Dichlorobenzene         | < 8.24        | ug/Kg        |                  | 7/24/2015 21:22      |
| 1,2-Dichloroethane          | < 8.24        | ug/Kg        |                  | 7/24/2015 21:22      |
| 1,2-Dichloropropane         | < 8.24        | ug/Kg        |                  | 7/24/2015 21:22      |
| 1,3-Dichlorobenzene         | < 8.24        | ug/Kg        |                  | 7/24/2015 21:22      |
| 1,4-Dichlorobenzene         | < 8.24        | ug/Kg        |                  | 7/24/2015 21:22      |
| 1,4-dioxane                 | < 82.4        | ug/Kg        |                  | 7/24/2015 21:22      |
| 2-Butanone                  | < 41.2        | ug/Kg        |                  | 7/24/2015 21:22      |
| 2-Hexanone                  | < 20.6        | ug/Kg        |                  | 7/24/2015 21:22      |
| 4-Methyl-2-pentanone        | < 20.6        | ug/Kg        |                  | 7/24/2015 21:22      |
| Acetone                     | <b>55.6</b>   | ug/Kg        |                  | 7/24/2015 21:22      |
| Benzene                     | < 8.24        | ug/Kg        |                  | 7/24/2015 21:22      |
| Bromochloromethane          | < 20.6        | ug/Kg        |                  | 7/24/2015 21:22      |
| Bromodichloromethane        | < 8.24        | ug/Kg        |                  | 7/24/2015 21:22      |
| Bromoform                   | < 20.6        | ug/Kg        |                  | 7/24/2015 21:22      |
| Bromomethane                | < 8.24        | ug/Kg        |                  | 7/24/2015 21:22      |
| Carbon disulfide            | < 8.24        | ug/Kg        |                  | 7/24/2015 21:22      |
| Carbon Tetrachloride        | < 8.24        | ug/Kg        |                  | 7/24/2015 21:22      |
| Chlorobenzene               | < 8.24        | ug/Kg        |                  | 7/24/2015 21:22      |

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**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** MW-26

**Lab Sample ID:** 153072-01

**Date Sampled:** 7/20/2015

**Matrix:** Soil

**Date Received:** 7/22/2015

|                           |        |       |           |       |
|---------------------------|--------|-------|-----------|-------|
| Chloroethane              | < 8.24 | ug/Kg | 7/24/2015 | 21:22 |
| Chloroform                | < 8.24 | ug/Kg | 7/24/2015 | 21:22 |
| Chloromethane             | < 8.24 | ug/Kg | 7/24/2015 | 21:22 |
| cis-1,2-Dichloroethene    | < 8.24 | ug/Kg | 7/24/2015 | 21:22 |
| cis-1,3-Dichloropropene   | < 8.24 | ug/Kg | 7/24/2015 | 21:22 |
| Cyclohexane               | < 41.2 | ug/Kg | 7/24/2015 | 21:22 |
| Dibromochloromethane      | < 8.24 | ug/Kg | 7/24/2015 | 21:22 |
| Dichlorodifluoromethane   | < 8.24 | ug/Kg | 7/24/2015 | 21:22 |
| Ethylbenzene              | < 8.24 | ug/Kg | 7/24/2015 | 21:22 |
| Freon 113                 | < 8.24 | ug/Kg | 7/24/2015 | 21:22 |
| Isopropylbenzene          | < 8.24 | ug/Kg | 7/24/2015 | 21:22 |
| m,p-Xylene                | < 8.24 | ug/Kg | 7/24/2015 | 21:22 |
| Methyl acetate            | < 8.24 | ug/Kg | 7/24/2015 | 21:22 |
| Methyl tert-butyl Ether   | < 8.24 | ug/Kg | 7/24/2015 | 21:22 |
| Methylcyclohexane         | < 8.24 | ug/Kg | 7/24/2015 | 21:22 |
| Methylene chloride        | < 20.6 | ug/Kg | 7/24/2015 | 21:22 |
| o-Xylene                  | < 8.24 | ug/Kg | 7/24/2015 | 21:22 |
| Styrene                   | < 20.6 | ug/Kg | 7/24/2015 | 21:22 |
| Tetrachloroethene         | < 8.24 | ug/Kg | 7/24/2015 | 21:22 |
| Toluene                   | < 8.24 | ug/Kg | 7/24/2015 | 21:22 |
| trans-1,2-Dichloroethene  | < 8.24 | ug/Kg | 7/24/2015 | 21:22 |
| trans-1,3-Dichloropropene | < 8.24 | ug/Kg | 7/24/2015 | 21:22 |
| Trichloroethene           | < 8.24 | ug/Kg | 7/24/2015 | 21:22 |
| Trichlorofluoromethane    | < 8.24 | ug/Kg | 7/24/2015 | 21:22 |
| Vinyl chloride            | < 8.24 | ug/Kg | 7/24/2015 | 21:22 |

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**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** MW-26

**Lab Sample ID:** 153072-01

**Date Sampled:** 7/20/2015

**Matrix:** Soil

**Date Received:** 7/22/2015

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | <b>102</b>              | 84.1 - 121    |                 | 7/24/2015 21:22      |
| 4-Bromofluorobenzene  | <b>92.1</b>             | 83.4 - 113    |                 | 7/24/2015 21:22      |
| Pentafluorobenzene    | <b>102</b>              | 91.4 - 110    |                 | 7/24/2015 21:22      |
| Toluene-D8            | <b>95.4</b>             | 91.5 - 106    |                 | 7/24/2015 21:22      |

**Method Reference(s):** EPA 8260C  
EPA 5035

**Data File:** x24900.D

*This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.*



Lab Project ID: 153072

**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

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**Sample Identifier:** MW-27A

**Lab Sample ID:** 153072-02

**Date Sampled:** 7/20/2015

**Matrix:** Soil

**Date Received:** 7/22/2015

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**Mercury**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| Mercury                     | <b>0.0108</b> | mg/Kg        |                  | 7/27/2015 13:07      |
| <b>Method Reference(s):</b> | EPA 7471B     |              |                  |                      |
| <b>Preparation Date:</b>    | 7/24/2015     |              |                  |                      |
| <b>Data File:</b>           | Hg150727A     |              |                  |                      |

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Report Prepared Wednesday, July 29, 2015



**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** MW-27A

**Lab Sample ID:** 153072-02

**Matrix:** Soil

**Date Sampled:** 7/20/2015

**Date Received:** 7/22/2015

**TAL Metals (ICP)**

| <b>Analyte</b> | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|----------------|---------------|--------------|------------------|----------------------|
| Aluminum       | 5620          | mg/Kg        |                  | 7/28/2015 11:58      |
| Antimony       | < 3.25        | mg/Kg        |                  | 7/28/2015 11:58      |
| Arsenic        | 4.85          | mg/Kg        |                  | 7/28/2015 11:58      |
| Barium         | 24.7          | mg/Kg        |                  | 7/28/2015 11:58      |
| Beryllium      | 0.256         | mg/Kg        | J                | 7/28/2015 11:58      |
| Cadmium        | < 0.271       | mg/Kg        |                  | 7/28/2015 11:58      |
| Calcium        | 72800         | mg/Kg        |                  | 7/28/2015 12:02      |
| Chromium       | 9.30          | mg/Kg        |                  | 7/28/2015 11:58      |
| Cobalt         | 5.11          | mg/Kg        |                  | 7/28/2015 11:58      |
| Copper         | 9.09          | mg/Kg        |                  | 7/28/2015 11:58      |
| Iron           | 11700         | mg/Kg        |                  | 7/28/2015 11:58      |
| Lead           | 2.32          | mg/Kg        |                  | 7/28/2015 11:58      |
| Magnesium      | 11400         | mg/Kg        |                  | 7/28/2015 11:58      |
| Manganese      | 434           | mg/Kg        |                  | 7/28/2015 11:58      |
| Nickel         | 14.5          | mg/Kg        |                  | 7/28/2015 11:58      |
| Potassium      | 1560          | mg/Kg        |                  | 7/28/2015 11:58      |
| Selenium       | 0.850         | mg/Kg        |                  | 7/28/2015 11:58      |
| Silver         | < 0.542       | mg/Kg        |                  | 7/28/2015 11:58      |
| Sodium         | 181           | mg/Kg        |                  | 7/28/2015 11:58      |
| Thallium       | 3.27          | mg/Kg        |                  | 7/28/2015 11:58      |
| Vanadium       | 14.4          | mg/Kg        |                  | 7/28/2015 11:58      |
| Zinc           | 19.9          | mg/Kg        |                  | 7/28/2015 11:58      |

**Method Reference(s):** EPA 6010C  
EPA 3050  
**Preparation Date:** 7/24/2015  
**Data File:** 072815a

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**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** MW-27A

**Lab Sample ID:** 153072-02

**Matrix:** Soil

**Date Sampled:** 7/20/2015

**Date Received:** 7/22/2015

**PCBs**

| <b>Analyte</b> | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016       | < 0.349       | mg/Kg        |                  | 7/23/2015 23:17      |
| PCB-1221       | < 0.349       | mg/Kg        |                  | 7/23/2015 23:17      |
| PCB-1232       | < 0.349       | mg/Kg        |                  | 7/23/2015 23:17      |
| PCB-1242       | < 0.349       | mg/Kg        |                  | 7/23/2015 23:17      |
| PCB-1248       | < 0.349       | mg/Kg        |                  | 7/23/2015 23:17      |
| PCB-1254       | < 0.349       | mg/Kg        |                  | 7/23/2015 23:17      |
| PCB-1260       | < 0.349       | mg/Kg        |                  | 7/23/2015 23:17      |
| PCB-1262       | < 0.349       | mg/Kg        |                  | 7/23/2015 23:17      |
| PCB-1268       | < 0.349       | mg/Kg        |                  | 7/23/2015 23:17      |

| <b>Surrogate</b>     | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl   | <b>58.7</b>             | 33.3 - 147    |                 | 7/23/2015 23:17      |
| Tetrachloro-m-xylene | <b>84.7</b>             | 4.91 - 155    |                 | 7/23/2015 23:17      |

**Method Reference(s):** EPA 8082A  
EPA 3550C  
**Preparation Date:** 7/23/2015

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Lab Project ID: 153072

Client: Lu Engineers, Inc.

Project Reference: 4216-06

Sample Identifier: MW-27A

Lab Sample ID: 153072-02

Matrix: Soil

Date Sampled: 7/20/2015

Date Received: 7/22/2015

**Volatile Organics**

| Analyte                     | Result      | Units | Qualifier | Date Analyzed   |
|-----------------------------|-------------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane       | < 6.91      | ug/Kg |           | 7/24/2015 21:46 |
| 1,1,2,2-Tetrachloroethane   | < 6.91      | ug/Kg |           | 7/24/2015 21:46 |
| 1,1,2-Trichloroethane       | < 6.91      | ug/Kg |           | 7/24/2015 21:46 |
| 1,1-Dichloroethane          | < 6.91      | ug/Kg |           | 7/24/2015 21:46 |
| 1,1-Dichloroethene          | < 6.91      | ug/Kg |           | 7/24/2015 21:46 |
| 1,2,3-Trichlorobenzene      | < 17.3      | ug/Kg |           | 7/24/2015 21:46 |
| 1,2,4-Trichlorobenzene      | < 17.3      | ug/Kg |           | 7/24/2015 21:46 |
| 1,2-Dibromo-3-Chloropropane | < 34.6      | ug/Kg |           | 7/24/2015 21:46 |
| 1,2-Dibromoethane           | < 6.91      | ug/Kg |           | 7/24/2015 21:46 |
| 1,2-Dichlorobenzene         | < 6.91      | ug/Kg |           | 7/24/2015 21:46 |
| 1,2-Dichloroethane          | < 6.91      | ug/Kg |           | 7/24/2015 21:46 |
| 1,2-Dichloropropane         | < 6.91      | ug/Kg |           | 7/24/2015 21:46 |
| 1,3-Dichlorobenzene         | < 6.91      | ug/Kg |           | 7/24/2015 21:46 |
| 1,4-Dichlorobenzene         | < 6.91      | ug/Kg |           | 7/24/2015 21:46 |
| 1,4-dioxane                 | < 69.1      | ug/Kg |           | 7/24/2015 21:46 |
| 2-Butanone                  | < 34.6      | ug/Kg |           | 7/24/2015 21:46 |
| 2-Hexanone                  | < 17.3      | ug/Kg |           | 7/24/2015 21:46 |
| 4-Methyl-2-pentanone        | < 17.3      | ug/Kg |           | 7/24/2015 21:46 |
| Acetone                     | <b>25.0</b> | ug/Kg | J         | 7/24/2015 21:46 |
| Benzene                     | < 6.91      | ug/Kg |           | 7/24/2015 21:46 |
| Bromochloromethane          | < 17.3      | ug/Kg |           | 7/24/2015 21:46 |
| Bromodichloromethane        | < 6.91      | ug/Kg |           | 7/24/2015 21:46 |
| Bromoform                   | < 17.3      | ug/Kg |           | 7/24/2015 21:46 |
| Bromomethane                | < 6.91      | ug/Kg |           | 7/24/2015 21:46 |
| Carbon disulfide            | < 6.91      | ug/Kg |           | 7/24/2015 21:46 |
| Carbon Tetrachloride        | < 6.91      | ug/Kg |           | 7/24/2015 21:46 |
| Chlorobenzene               | < 6.91      | ug/Kg |           | 7/24/2015 21:46 |

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**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** MW-27A

**Lab Sample ID:** 153072-02

**Date Sampled:** 7/20/2015

**Matrix:** Soil

**Date Received:** 7/22/2015

|                           |        |       |           |       |
|---------------------------|--------|-------|-----------|-------|
| Chloroethane              | < 6.91 | ug/Kg | 7/24/2015 | 21:46 |
| Chloroform                | < 6.91 | ug/Kg | 7/24/2015 | 21:46 |
| Chloromethane             | < 6.91 | ug/Kg | 7/24/2015 | 21:46 |
| cis-1,2-Dichloroethene    | < 6.91 | ug/Kg | 7/24/2015 | 21:46 |
| cis-1,3-Dichloropropene   | < 6.91 | ug/Kg | 7/24/2015 | 21:46 |
| Cyclohexane               | < 34.6 | ug/Kg | 7/24/2015 | 21:46 |
| Dibromochloromethane      | < 6.91 | ug/Kg | 7/24/2015 | 21:46 |
| Dichlorodifluoromethane   | < 6.91 | ug/Kg | 7/24/2015 | 21:46 |
| Ethylbenzene              | < 6.91 | ug/Kg | 7/24/2015 | 21:46 |
| Freon 113                 | < 6.91 | ug/Kg | 7/24/2015 | 21:46 |
| Isopropylbenzene          | < 6.91 | ug/Kg | 7/24/2015 | 21:46 |
| m,p-Xylene                | < 6.91 | ug/Kg | 7/24/2015 | 21:46 |
| Methyl acetate            | < 6.91 | ug/Kg | 7/24/2015 | 21:46 |
| Methyl tert-butyl Ether   | < 6.91 | ug/Kg | 7/24/2015 | 21:46 |
| Methylcyclohexane         | < 6.91 | ug/Kg | 7/24/2015 | 21:46 |
| Methylene chloride        | < 17.3 | ug/Kg | 7/24/2015 | 21:46 |
| o-Xylene                  | < 6.91 | ug/Kg | 7/24/2015 | 21:46 |
| Styrene                   | < 17.3 | ug/Kg | 7/24/2015 | 21:46 |
| Tetrachloroethene         | < 6.91 | ug/Kg | 7/24/2015 | 21:46 |
| Toluene                   | < 6.91 | ug/Kg | 7/24/2015 | 21:46 |
| trans-1,2-Dichloroethene  | < 6.91 | ug/Kg | 7/24/2015 | 21:46 |
| trans-1,3-Dichloropropene | < 6.91 | ug/Kg | 7/24/2015 | 21:46 |
| Trichloroethene           | < 6.91 | ug/Kg | 7/24/2015 | 21:46 |
| Trichlorofluoromethane    | < 6.91 | ug/Kg | 7/24/2015 | 21:46 |
| Vinyl chloride            | < 6.91 | ug/Kg | 7/24/2015 | 21:46 |

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**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** MW-27A

**Lab Sample ID:** 153072-02

**Date Sampled:** 7/20/2015

**Matrix:** Soil

**Date Received:** 7/22/2015

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | <b>103</b>              | 84.1 - 121    |                 | 7/24/2015 21:46      |
| 4-Bromofluorobenzene  | <b>89.8</b>             | 83.4 - 113    |                 | 7/24/2015 21:46      |
| Pentafluorobenzene    | <b>103</b>              | 91.4 - 110    |                 | 7/24/2015 21:46      |
| Toluene-D8            | <b>95.1</b>             | 91.5 - 106    |                 | 7/24/2015 21:46      |

**Method Reference(s):** EPA 8260C  
EPA 5035

**Data File:** x24901.D

*This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.*



Lab Project ID: 153072

**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

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**Sample Identifier:** MW-27B

**Lab Sample ID:** 153072-03

**Date Sampled:** 7/21/2015

**Matrix:** Soil

**Date Received:** 7/22/2015

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**Mercury**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| Mercury                     | < 0.00920     | mg/Kg        |                  | 7/27/2015 13:10      |
| <b>Method Reference(s):</b> | EPA 7471B     |              |                  |                      |
| <b>Preparation Date:</b>    | 7/24/2015     |              |                  |                      |
| <b>Data File:</b>           | Hg150727A     |              |                  |                      |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Wednesday, July 29, 2015



**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** MW-27B

**Lab Sample ID:** 153072-03

**Matrix:** Soil

**Date Sampled:** 7/21/2015

**Date Received:** 7/22/2015

**TAL Metals (ICP)**

| <b>Analyte</b> | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|----------------|---------------|--------------|------------------|----------------------|
| Aluminum       | <b>2380</b>   | mg/Kg        |                  | 7/28/2015 12:06      |
| Antimony       | < 3.58        | mg/Kg        |                  | 7/28/2015 12:06      |
| Arsenic        | <b>2.92</b>   | mg/Kg        |                  | 7/28/2015 12:06      |
| Barium         | <b>9.12</b>   | mg/Kg        |                  | 7/28/2015 12:06      |
| Beryllium      | < 0.298       | mg/Kg        |                  | 7/28/2015 12:06      |
| Cadmium        | <b>0.677</b>  | mg/Kg        |                  | 7/28/2015 12:06      |
| Calcium        | <b>58900</b>  | mg/Kg        |                  | 7/28/2015 12:19      |
| Chromium       | <b>3.35</b>   | mg/Kg        |                  | 7/28/2015 12:06      |
| Cobalt         | <b>2.32</b>   | mg/Kg        | J                | 7/28/2015 12:06      |
| Copper         | <b>7.49</b>   | mg/Kg        |                  | 7/28/2015 12:06      |
| Iron           | <b>5740</b>   | mg/Kg        |                  | 7/28/2015 12:06      |
| Lead           | <b>0.990</b>  | mg/Kg        |                  | 7/28/2015 12:06      |
| Magnesium      | <b>10200</b>  | mg/Kg        |                  | 7/28/2015 12:06      |
| Manganese      | <b>240</b>    | mg/Kg        |                  | 7/28/2015 12:06      |
| Nickel         | <b>12.0</b>   | mg/Kg        |                  | 7/28/2015 12:06      |
| Potassium      | <b>506</b>    | mg/Kg        |                  | 7/28/2015 12:06      |
| Selenium       | <b>1.34</b>   | mg/Kg        |                  | 7/28/2015 12:06      |
| Silver         | < 0.596       | mg/Kg        |                  | 7/28/2015 12:06      |
| Sodium         | <b>82.7</b>   | mg/Kg        | J                | 7/28/2015 12:06      |
| Thallium       | <b>2.18</b>   | mg/Kg        |                  | 7/28/2015 12:06      |
| Vanadium       | <b>5.47</b>   | mg/Kg        |                  | 7/28/2015 12:06      |
| Zinc           | <b>101</b>    | mg/Kg        |                  | 7/28/2015 12:06      |

**Method Reference(s):** EPA 6010C  
EPA 3050  
**Preparation Date:** 7/24/2015  
**Data File:** 072815a

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** MW-27B

**Lab Sample ID:** 153072-03

**Matrix:** Soil

**Date Sampled:** 7/21/2015

**Date Received:** 7/22/2015

**PCBs**

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016       | < 0.379       | mg/Kg        |                  | 7/23/2015 23:41      |
| PCB-1221       | < 0.379       | mg/Kg        |                  | 7/23/2015 23:41      |
| PCB-1232       | < 0.379       | mg/Kg        |                  | 7/23/2015 23:41      |
| PCB-1242       | < 0.379       | mg/Kg        |                  | 7/23/2015 23:41      |
| PCB-1248       | < 0.379       | mg/Kg        |                  | 7/23/2015 23:41      |
| PCB-1254       | < 0.379       | mg/Kg        |                  | 7/23/2015 23:41      |
| PCB-1260       | < 0.379       | mg/Kg        |                  | 7/23/2015 23:41      |
| PCB-1262       | < 0.379       | mg/Kg        |                  | 7/23/2015 23:41      |
| PCB-1268       | < 0.379       | mg/Kg        |                  | 7/23/2015 23:41      |

| <u>Surrogate</u>     | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl   | 72.7                    | 33.3 - 147    |                 | 7/23/2015 23:41      |
| Tetrachloro-m-xylene | 93.9                    | 4.91 - 155    |                 | 7/23/2015 23:41      |

**Method Reference(s):** EPA 8082A  
EPA 3550C  
**Preparation Date:** 7/23/2015

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Lab Project ID: 153072

Client: Lu Engineers, Inc.

Project Reference: 4216-06

Sample Identifier: MW-27B

Lab Sample ID: 153072-03

Date Sampled: 7/21/2015

Matrix: Soil

Date Received: 7/22/2015

Volatile Organics

| Analyte                     | Result      | Units | Qualifier | Date Analyzed   |
|-----------------------------|-------------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane       | < 7.02      | ug/Kg |           | 7/24/2015 22:10 |
| 1,1,2,2-Tetrachloroethane   | < 7.02      | ug/Kg |           | 7/24/2015 22:10 |
| 1,1,2-Trichloroethane       | < 7.02      | ug/Kg |           | 7/24/2015 22:10 |
| 1,1-Dichloroethane          | < 7.02      | ug/Kg |           | 7/24/2015 22:10 |
| 1,1-Dichloroethene          | < 7.02      | ug/Kg |           | 7/24/2015 22:10 |
| 1,2,3-Trichlorobenzene      | < 17.6      | ug/Kg |           | 7/24/2015 22:10 |
| 1,2,4-Trichlorobenzene      | < 17.6      | ug/Kg |           | 7/24/2015 22:10 |
| 1,2-Dibromo-3-Chloropropane | < 35.1      | ug/Kg |           | 7/24/2015 22:10 |
| 1,2-Dibromoethane           | < 7.02      | ug/Kg |           | 7/24/2015 22:10 |
| 1,2-Dichlorobenzene         | < 7.02      | ug/Kg |           | 7/24/2015 22:10 |
| 1,2-Dichloroethane          | < 7.02      | ug/Kg |           | 7/24/2015 22:10 |
| 1,2-Dichloropropane         | < 7.02      | ug/Kg |           | 7/24/2015 22:10 |
| 1,3-Dichlorobenzene         | < 7.02      | ug/Kg |           | 7/24/2015 22:10 |
| 1,4-Dichlorobenzene         | < 7.02      | ug/Kg |           | 7/24/2015 22:10 |
| 1,4-dioxane                 | < 70.2      | ug/Kg |           | 7/24/2015 22:10 |
| 2-Butanone                  | < 35.1      | ug/Kg |           | 7/24/2015 22:10 |
| 2-Hexanone                  | < 17.6      | ug/Kg |           | 7/24/2015 22:10 |
| 4-Methyl-2-pentanone        | < 17.6      | ug/Kg |           | 7/24/2015 22:10 |
| Acetone                     | <b>57.4</b> | ug/Kg |           | 7/24/2015 22:10 |
| Benzene                     | < 7.02      | ug/Kg |           | 7/24/2015 22:10 |
| Bromochloromethane          | < 17.6      | ug/Kg |           | 7/24/2015 22:10 |
| Bromodichloromethane        | < 7.02      | ug/Kg |           | 7/24/2015 22:10 |
| Bromoform                   | < 17.6      | ug/Kg |           | 7/24/2015 22:10 |
| Bromomethane                | < 7.02      | ug/Kg |           | 7/24/2015 22:10 |
| Carbon disulfide            | <b>7.92</b> | ug/Kg |           | 7/24/2015 22:10 |
| Carbon Tetrachloride        | < 7.02      | ug/Kg |           | 7/24/2015 22:10 |
| Chlorobenzene               | < 7.02      | ug/Kg |           | 7/24/2015 22:10 |

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Lab Project ID: 153072

Client: Lu Engineers, Inc.

Project Reference: 4216-06

Sample Identifier: MW-27B

Lab Sample ID: 153072-03

Date Sampled: 7/21/2015

Matrix: Soil

Date Received: 7/22/2015

|                           |        |       |           |       |
|---------------------------|--------|-------|-----------|-------|
| Chloroethane              | < 7.02 | ug/Kg | 7/24/2015 | 22:10 |
| Chloroform                | < 7.02 | ug/Kg | 7/24/2015 | 22:10 |
| Chloromethane             | < 7.02 | ug/Kg | 7/24/2015 | 22:10 |
| cis-1,2-Dichloroethene    | < 7.02 | ug/Kg | 7/24/2015 | 22:10 |
| cis-1,3-Dichloropropene   | < 7.02 | ug/Kg | 7/24/2015 | 22:10 |
| Cyclohexane               | < 35.1 | ug/Kg | 7/24/2015 | 22:10 |
| Dibromochloromethane      | < 7.02 | ug/Kg | 7/24/2015 | 22:10 |
| Dichlorodifluoromethane   | < 7.02 | ug/Kg | 7/24/2015 | 22:10 |
| Ethylbenzene              | < 7.02 | ug/Kg | 7/24/2015 | 22:10 |
| Freon 113                 | < 7.02 | ug/Kg | 7/24/2015 | 22:10 |
| Isopropylbenzene          | < 7.02 | ug/Kg | 7/24/2015 | 22:10 |
| m,p-Xylene                | < 7.02 | ug/Kg | 7/24/2015 | 22:10 |
| Methyl acetate            | < 7.02 | ug/Kg | 7/24/2015 | 22:10 |
| Methyl tert-butyl Ether   | < 7.02 | ug/Kg | 7/24/2015 | 22:10 |
| Methylcyclohexane         | < 7.02 | ug/Kg | 7/24/2015 | 22:10 |
| Methylene chloride        | < 17.6 | ug/Kg | 7/24/2015 | 22:10 |
| o-Xylene                  | < 7.02 | ug/Kg | 7/24/2015 | 22:10 |
| Styrene                   | < 17.6 | ug/Kg | 7/24/2015 | 22:10 |
| Tetrachloroethene         | < 7.02 | ug/Kg | 7/24/2015 | 22:10 |
| Toluene                   | < 7.02 | ug/Kg | 7/24/2015 | 22:10 |
| trans-1,2-Dichloroethene  | < 7.02 | ug/Kg | 7/24/2015 | 22:10 |
| trans-1,3-Dichloropropene | < 7.02 | ug/Kg | 7/24/2015 | 22:10 |
| Trichloroethene           | < 7.02 | ug/Kg | 7/24/2015 | 22:10 |
| Trichlorofluoromethane    | < 7.02 | ug/Kg | 7/24/2015 | 22:10 |
| Vinyl chloride            | < 7.02 | ug/Kg | 7/24/2015 | 22:10 |

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Report Prepared Wednesday, July 29, 2015



**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** MW-27B

**Lab Sample ID:** 153072-03

**Date Sampled:** 7/21/2015

**Matrix:** Soil

**Date Received:** 7/22/2015

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | <b>103</b>              | 84.1 - 121    |                 | 7/24/2015 22:10      |
| 4-Bromofluorobenzene  | <b>88.7</b>             | 83.4 - 113    |                 | 7/24/2015 22:10      |
| Pentafluorobenzene    | <b>102</b>              | 91.4 - 110    |                 | 7/24/2015 22:10      |
| Toluene-D8            | <b>94.4</b>             | 91.5 - 106    |                 | 7/24/2015 22:10      |

**Method Reference(s):** EPA 8260C  
EPA 5035

**Data File:** x24902.D

*This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.*

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Lab Project ID: 153072

**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

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**Sample Identifier:** MW-28

**Lab Sample ID:** 153072-04

**Date Sampled:** 7/22/2015

**Matrix:** Soil

**Date Received:** 7/22/2015

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**Mercury**

| <b>Analyte</b>              | <b>Result</b>  | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|----------------|--------------|------------------|----------------------|
| Mercury                     | <b>0.00411</b> | mg/Kg        | J                | 7/27/2015 13:14      |
| <b>Method Reference(s):</b> | EPA 7471B      |              |                  |                      |
| <b>Preparation Date:</b>    | 7/24/2015      |              |                  |                      |
| <b>Data File:</b>           | Hg150727A      |              |                  |                      |

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**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** MW-28

**Lab Sample ID:** 153072-04

**Matrix:** Soil

**Date Sampled:** 7/22/2015

**Date Received:** 7/22/2015

**TAL Metals (ICP)**

| <b>Analyte</b> | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|----------------|---------------|--------------|------------------|----------------------|
| Aluminum       | <b>4010</b>   | mg/Kg        |                  | 7/28/2015 12:23      |
| Antimony       | < 3.20        | mg/Kg        |                  | 7/28/2015 12:23      |
| Arsenic        | <b>3.68</b>   | mg/Kg        |                  | 7/28/2015 12:23      |
| Barium         | <b>34.4</b>   | mg/Kg        |                  | 7/28/2015 12:23      |
| Beryllium      | <b>0.195</b>  | mg/Kg        | J                | 7/28/2015 12:23      |
| Cadmium        | < 0.267       | mg/Kg        |                  | 7/28/2015 12:23      |
| Calcium        | <b>64800</b>  | mg/Kg        |                  | 7/28/2015 12:27      |
| Chromium       | <b>7.19</b>   | mg/Kg        |                  | 7/28/2015 12:23      |
| Cobalt         | <b>3.76</b>   | mg/Kg        |                  | 7/28/2015 12:23      |
| Copper         | <b>7.20</b>   | mg/Kg        |                  | 7/28/2015 12:23      |
| Iron           | <b>9860</b>   | mg/Kg        |                  | 7/28/2015 12:23      |
| Lead           | <b>2.18</b>   | mg/Kg        |                  | 7/28/2015 12:23      |
| Magnesium      | <b>11900</b>  | mg/Kg        |                  | 7/28/2015 12:23      |
| Manganese      | <b>282</b>    | mg/Kg        |                  | 7/28/2015 12:23      |
| Nickel         | <b>6.84</b>   | mg/Kg        |                  | 7/28/2015 12:23      |
| Potassium      | <b>1200</b>   | mg/Kg        |                  | 7/28/2015 12:23      |
| Selenium       | <b>1.19</b>   | mg/Kg        |                  | 7/28/2015 12:23      |
| Silver         | < 0.533       | mg/Kg        |                  | 7/28/2015 12:23      |
| Sodium         | <b>161</b>    | mg/Kg        |                  | 7/28/2015 12:23      |
| Thallium       | <b>2.89</b>   | mg/Kg        |                  | 7/28/2015 12:23      |
| Vanadium       | <b>12.4</b>   | mg/Kg        |                  | 7/28/2015 12:23      |
| Zinc           | <b>12.0</b>   | mg/Kg        |                  | 7/28/2015 12:23      |

**Method Reference(s):** EPA 6010C  
EPA 3050  
**Preparation Date:** 7/24/2015  
**Data File:** 072815a

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**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** MW-28

**Lab Sample ID:** 153072-04

**Matrix:** Soil

**Date Sampled:** 7/22/2015

**Date Received:** 7/22/2015

**PCBs**

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016       | < 0.349       | mg/Kg        |                  | 7/24/2015 00:04      |
| PCB-1221       | < 0.349       | mg/Kg        |                  | 7/24/2015 00:04      |
| PCB-1232       | < 0.349       | mg/Kg        |                  | 7/24/2015 00:04      |
| PCB-1242       | < 0.349       | mg/Kg        |                  | 7/24/2015 00:04      |
| PCB-1248       | < 0.349       | mg/Kg        |                  | 7/24/2015 00:04      |
| PCB-1254       | < 0.349       | mg/Kg        |                  | 7/24/2015 00:04      |
| PCB-1260       | < 0.349       | mg/Kg        |                  | 7/24/2015 00:04      |
| PCB-1262       | < 0.349       | mg/Kg        |                  | 7/24/2015 00:04      |
| PCB-1268       | < 0.349       | mg/Kg        |                  | 7/24/2015 00:04      |

| <u>Surrogate</u>     | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl   | 76.1                    | 33.3 - 147    |                 | 7/24/2015 00:04      |
| Tetrachloro-m-xylene | 97.2                    | 4.91 - 155    |                 | 7/24/2015 00:04      |

**Method Reference(s):** EPA 8082A  
EPA 3550C  
**Preparation Date:** 7/23/2015

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** MW-28

**Lab Sample ID:** 153072-04

**Matrix:** Soil

**Date Sampled:** 7/22/2015

**Date Received:** 7/22/2015

**Volatile Organics**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| 1,1,1-Trichloroethane       | < 7.48        | ug/Kg        |                  | 7/24/2015 22:34      |
| 1,1,2,2-Tetrachloroethane   | < 7.48        | ug/Kg        |                  | 7/24/2015 22:34      |
| 1,1,2-Trichloroethane       | < 7.48        | ug/Kg        |                  | 7/24/2015 22:34      |
| 1,1-Dichloroethane          | < 7.48        | ug/Kg        |                  | 7/24/2015 22:34      |
| 1,1-Dichloroethene          | < 7.48        | ug/Kg        |                  | 7/24/2015 22:34      |
| 1,2,3-Trichlorobenzene      | < 18.7        | ug/Kg        |                  | 7/24/2015 22:34      |
| 1,2,4-Trichlorobenzene      | < 18.7        | ug/Kg        |                  | 7/24/2015 22:34      |
| 1,2-Dibromo-3-Chloropropane | < 37.4        | ug/Kg        |                  | 7/24/2015 22:34      |
| 1,2-Dibromoethane           | < 7.48        | ug/Kg        |                  | 7/24/2015 22:34      |
| 1,2-Dichlorobenzene         | < 7.48        | ug/Kg        |                  | 7/24/2015 22:34      |
| 1,2-Dichloroethane          | < 7.48        | ug/Kg        |                  | 7/24/2015 22:34      |
| 1,2-Dichloropropane         | < 7.48        | ug/Kg        |                  | 7/24/2015 22:34      |
| 1,3-Dichlorobenzene         | < 7.48        | ug/Kg        |                  | 7/24/2015 22:34      |
| 1,4-Dichlorobenzene         | < 7.48        | ug/Kg        |                  | 7/24/2015 22:34      |
| 1,4-dioxane                 | < 74.8        | ug/Kg        |                  | 7/24/2015 22:34      |
| 2-Butanone                  | < 37.4        | ug/Kg        |                  | 7/24/2015 22:34      |
| 2-Hexanone                  | < 18.7        | ug/Kg        |                  | 7/24/2015 22:34      |
| 4-Methyl-2-pentanone        | < 18.7        | ug/Kg        |                  | 7/24/2015 22:34      |
| Acetone                     | <b>62.2</b>   | ug/Kg        |                  | 7/24/2015 22:34      |
| Benzene                     | < 7.48        | ug/Kg        |                  | 7/24/2015 22:34      |
| Bromochloromethane          | < 18.7        | ug/Kg        |                  | 7/24/2015 22:34      |
| Bromodichloromethane        | < 7.48        | ug/Kg        |                  | 7/24/2015 22:34      |
| Bromoform                   | < 18.7        | ug/Kg        |                  | 7/24/2015 22:34      |
| Bromomethane                | < 7.48        | ug/Kg        |                  | 7/24/2015 22:34      |
| Carbon disulfide            | < 7.48        | ug/Kg        |                  | 7/24/2015 22:34      |
| Carbon Tetrachloride        | < 7.48        | ug/Kg        |                  | 7/24/2015 22:34      |
| Chlorobenzene               | < 7.48        | ug/Kg        |                  | 7/24/2015 22:34      |

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Lab Project ID: 153072

Client: Lu Engineers, Inc.

Project Reference: 4216-06

Sample Identifier: MW-28

Lab Sample ID: 153072-04

Date Sampled: 7/22/2015

Matrix: Soil

Date Received: 7/22/2015

|                           |        |       |           |       |
|---------------------------|--------|-------|-----------|-------|
| Chloroethane              | < 7.48 | ug/Kg | 7/24/2015 | 22:34 |
| Chloroform                | < 7.48 | ug/Kg | 7/24/2015 | 22:34 |
| Chloromethane             | < 7.48 | ug/Kg | 7/24/2015 | 22:34 |
| cis-1,2-Dichloroethene    | < 7.48 | ug/Kg | 7/24/2015 | 22:34 |
| cis-1,3-Dichloropropene   | < 7.48 | ug/Kg | 7/24/2015 | 22:34 |
| Cyclohexane               | < 37.4 | ug/Kg | 7/24/2015 | 22:34 |
| Dibromochloromethane      | < 7.48 | ug/Kg | 7/24/2015 | 22:34 |
| Dichlorodifluoromethane   | < 7.48 | ug/Kg | 7/24/2015 | 22:34 |
| Ethylbenzene              | < 7.48 | ug/Kg | 7/24/2015 | 22:34 |
| Freon 113                 | < 7.48 | ug/Kg | 7/24/2015 | 22:34 |
| Isopropylbenzene          | < 7.48 | ug/Kg | 7/24/2015 | 22:34 |
| m,p-Xylene                | < 7.48 | ug/Kg | 7/24/2015 | 22:34 |
| Methyl acetate            | < 7.48 | ug/Kg | 7/24/2015 | 22:34 |
| Methyl tert-butyl Ether   | < 7.48 | ug/Kg | 7/24/2015 | 22:34 |
| Methylcyclohexane         | < 7.48 | ug/Kg | 7/24/2015 | 22:34 |
| Methylene chloride        | < 18.7 | ug/Kg | 7/24/2015 | 22:34 |
| o-Xylene                  | < 7.48 | ug/Kg | 7/24/2015 | 22:34 |
| Styrene                   | < 18.7 | ug/Kg | 7/24/2015 | 22:34 |
| Tetrachloroethene         | < 7.48 | ug/Kg | 7/24/2015 | 22:34 |
| Toluene                   | < 7.48 | ug/Kg | 7/24/2015 | 22:34 |
| trans-1,2-Dichloroethene  | < 7.48 | ug/Kg | 7/24/2015 | 22:34 |
| trans-1,3-Dichloropropene | < 7.48 | ug/Kg | 7/24/2015 | 22:34 |
| Trichloroethene           | < 7.48 | ug/Kg | 7/24/2015 | 22:34 |
| Trichlorofluoromethane    | < 7.48 | ug/Kg | 7/24/2015 | 22:34 |
| Vinyl chloride            | < 7.48 | ug/Kg | 7/24/2015 | 22:34 |

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Report Prepared Wednesday, July 29, 2015



**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** MW-28

**Lab Sample ID:** 153072-04

**Date Sampled:** 7/22/2015

**Matrix:** Soil

**Date Received:** 7/22/2015

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | <b>102</b>              | 84.1 - 121    |                 | 7/24/2015 22:34      |
| 4-Bromofluorobenzene  | <b>87.8</b>             | 83.4 - 113    |                 | 7/24/2015 22:34      |
| Pentafluorobenzene    | <b>101</b>              | 91.4 - 110    |                 | 7/24/2015 22:34      |
| Toluene-D8            | <b>94.5</b>             | 91.5 - 106    |                 | 7/24/2015 22:34      |

**Method Reference(s):** EPA 8260C  
EPA 5035

**Data File:** x24903.D

*This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.*





Lab Project ID: 153072

**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

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**Sample Identifier:** MW-29

**Lab Sample ID:** 153072-05

**Date Sampled:** 7/22/2015

**Matrix:** Soil

**Date Received:** 7/22/2015

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**Mercury**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| Mercury                     | < 0.00813     | mg/Kg        |                  | 7/27/2015 13:17      |
| <b>Method Reference(s):</b> | EPA 7471B     |              |                  |                      |
| <b>Preparation Date:</b>    | 7/24/2015     |              |                  |                      |
| <b>Data File:</b>           | Hg150727A     |              |                  |                      |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Wednesday, July 29, 2015



**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** MW-29

**Lab Sample ID:** 153072-05

**Matrix:** Soil

**Date Sampled:** 7/22/2015

**Date Received:** 7/22/2015

**TAL Metals (ICP)**

| <b>Analyte</b> | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|----------------|---------------|--------------|------------------|----------------------|
| Aluminum       | 3040          | mg/Kg        |                  | 7/28/2015 12:32      |
| Antimony       | < 3.06        | mg/Kg        | M                | 7/28/2015 12:32      |
| Arsenic        | 3.08          | mg/Kg        |                  | 7/28/2015 12:32      |
| Barium         | 18.9          | mg/Kg        |                  | 7/28/2015 12:32      |
| Beryllium      | 0.157         | mg/Kg        | J                | 7/28/2015 12:32      |
| Cadmium        | < 0.255       | mg/Kg        |                  | 7/28/2015 12:32      |
| Calcium        | 57900         | mg/Kg        |                  | 7/28/2015 12:43      |
| Chromium       | 5.17          | mg/Kg        |                  | 7/28/2015 12:32      |
| Cobalt         | 2.70          | mg/Kg        |                  | 7/28/2015 12:32      |
| Copper         | 7.28          | mg/Kg        |                  | 7/28/2015 12:32      |
| Iron           | 7980          | mg/Kg        |                  | 7/28/2015 12:32      |
| Lead           | 1.84          | mg/Kg        |                  | 7/28/2015 12:32      |
| Magnesium      | 13500         | mg/Kg        |                  | 7/28/2015 12:32      |
| Manganese      | 242           | mg/Kg        | M                | 7/28/2015 12:32      |
| Nickel         | 5.04          | mg/Kg        |                  | 7/28/2015 12:32      |
| Potassium      | 969           | mg/Kg        |                  | 7/28/2015 12:32      |
| Selenium       | 1.01          | mg/Kg        | D                | 7/28/2015 12:32      |
| Silver         | < 0.510       | mg/Kg        |                  | 7/28/2015 12:32      |
| Sodium         | 133           | mg/Kg        |                  | 7/28/2015 12:32      |
| Thallium       | 2.55          | mg/Kg        |                  | 7/28/2015 12:32      |
| Vanadium       | 9.87          | mg/Kg        |                  | 7/28/2015 12:32      |
| Zinc           | 7.94          | mg/Kg        | D                | 7/28/2015 12:32      |

**Method Reference(s):** EPA 6010C  
EPA 3050  
**Preparation Date:** 7/24/2015  
**Data File:** 072815a

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**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** MW-29

**Lab Sample ID:** 153072-05

**Matrix:** Soil

**Date Sampled:** 7/22/2015

**Date Received:** 7/22/2015

**PCBs**

| <b>Analyte</b> | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016       | < 0.326       | mg/Kg        |                  | 7/24/2015 00:27      |
| PCB-1221       | < 0.326       | mg/Kg        |                  | 7/24/2015 00:27      |
| PCB-1232       | < 0.326       | mg/Kg        |                  | 7/24/2015 00:27      |
| PCB-1242       | < 0.326       | mg/Kg        |                  | 7/24/2015 00:27      |
| PCB-1248       | < 0.326       | mg/Kg        |                  | 7/24/2015 00:27      |
| PCB-1254       | < 0.326       | mg/Kg        |                  | 7/24/2015 00:27      |
| PCB-1260       | < 0.326       | mg/Kg        |                  | 7/24/2015 00:27      |
| PCB-1262       | < 0.326       | mg/Kg        |                  | 7/24/2015 00:27      |
| PCB-1268       | < 0.326       | mg/Kg        |                  | 7/24/2015 00:27      |

| <b>Surrogate</b>     | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl   | <b>73.8</b>             | 33.3 - 147    |                 | 7/24/2015 00:27      |
| Tetrachloro-m-xylene | <b>91.0</b>             | 4.91 - 155    |                 | 7/24/2015 00:27      |

**Method Reference(s):** EPA 8082A  
EPA 3550C  
**Preparation Date:** 7/23/2015

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**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** MW-29

**Lab Sample ID:** 153072-05

**Matrix:** Soil

**Date Sampled:** 7/22/2015

**Date Received:** 7/22/2015

**Volatile Organics**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| 1,1,1-Trichloroethane       | < 7.13        | ug/Kg        |                  | 7/27/2015 18:02      |
| 1,1,2,2-Tetrachloroethane   | < 7.13        | ug/Kg        | M                | 7/27/2015 18:02      |
| 1,1,2-Trichloroethane       | < 7.13        | ug/Kg        |                  | 7/27/2015 18:02      |
| 1,1-Dichloroethane          | < 7.13        | ug/Kg        |                  | 7/27/2015 18:02      |
| 1,1-Dichloroethene          | < 7.13        | ug/Kg        |                  | 7/27/2015 18:02      |
| 1,2,3-Trichlorobenzene      | < 17.8        | ug/Kg        |                  | 7/27/2015 18:02      |
| 1,2,4-Trichlorobenzene      | < 17.8        | ug/Kg        |                  | 7/27/2015 18:02      |
| 1,2-Dibromo-3-Chloropropane | < 35.6        | ug/Kg        |                  | 7/27/2015 18:02      |
| 1,2-Dibromoethane           | < 7.13        | ug/Kg        |                  | 7/27/2015 18:02      |
| 1,2-Dichlorobenzene         | < 7.13        | ug/Kg        |                  | 7/27/2015 18:02      |
| 1,2-Dichloroethane          | < 7.13        | ug/Kg        |                  | 7/27/2015 18:02      |
| 1,2-Dichloropropane         | < 7.13        | ug/Kg        |                  | 7/27/2015 18:02      |
| 1,3-Dichlorobenzene         | < 7.13        | ug/Kg        |                  | 7/27/2015 18:02      |
| 1,4-Dichlorobenzene         | < 7.13        | ug/Kg        |                  | 7/27/2015 18:02      |
| 1,4-dioxane                 | < 71.3        | ug/Kg        |                  | 7/27/2015 18:02      |
| 2-Butanone                  | < 35.6        | ug/Kg        |                  | 7/27/2015 18:02      |
| 2-Hexanone                  | < 17.8        | ug/Kg        |                  | 7/27/2015 18:02      |
| 4-Methyl-2-pentanone        | < 17.8        | ug/Kg        |                  | 7/27/2015 18:02      |
| Acetone                     | <b>19.4</b>   | ug/Kg        | J                | 7/27/2015 18:02      |
| Benzene                     | < 7.13        | ug/Kg        |                  | 7/27/2015 18:02      |
| Bromochloromethane          | < 17.8        | ug/Kg        |                  | 7/27/2015 18:02      |
| Bromodichloromethane        | < 7.13        | ug/Kg        |                  | 7/27/2015 18:02      |
| Bromoform                   | < 17.8        | ug/Kg        |                  | 7/27/2015 18:02      |
| Bromomethane                | < 7.13        | ug/Kg        | M                | 7/27/2015 18:02      |
| Carbon disulfide            | < 7.13        | ug/Kg        |                  | 7/27/2015 18:02      |
| Carbon Tetrachloride        | < 7.13        | ug/Kg        |                  | 7/27/2015 18:02      |
| Chlorobenzene               | < 7.13        | ug/Kg        |                  | 7/27/2015 18:02      |

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Lab Project ID: 153072

**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

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|                           |           |                       |           |
|---------------------------|-----------|-----------------------|-----------|
| <b>Sample Identifier:</b> | MW-29     |                       |           |
| <b>Lab Sample ID:</b>     | 153072-05 | <b>Date Sampled:</b>  | 7/22/2015 |
| <b>Matrix:</b>            | Soil      | <b>Date Received:</b> | 7/22/2015 |

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|                           |        |       |   |           |       |
|---------------------------|--------|-------|---|-----------|-------|
| Chloroethane              | < 7.13 | ug/Kg |   | 7/27/2015 | 18:02 |
| Chloroform                | < 7.13 | ug/Kg |   | 7/27/2015 | 18:02 |
| Chloromethane             | < 7.13 | ug/Kg | M | 7/27/2015 | 18:02 |
| cis-1,2-Dichloroethene    | < 7.13 | ug/Kg |   | 7/27/2015 | 18:02 |
| cis-1,3-Dichloropropene   | < 7.13 | ug/Kg |   | 7/27/2015 | 18:02 |
| Cyclohexane               | < 35.6 | ug/Kg |   | 7/27/2015 | 18:02 |
| Dibromochloromethane      | < 7.13 | ug/Kg |   | 7/27/2015 | 18:02 |
| Dichlorodifluoromethane   | < 7.13 | ug/Kg |   | 7/27/2015 | 18:02 |
| Ethylbenzene              | < 7.13 | ug/Kg |   | 7/27/2015 | 18:02 |
| Freon 113                 | < 7.13 | ug/Kg |   | 7/27/2015 | 18:02 |
| Isopropylbenzene          | < 7.13 | ug/Kg |   | 7/27/2015 | 18:02 |
| m,p-Xylene                | < 7.13 | ug/Kg |   | 7/27/2015 | 18:02 |
| Methyl acetate            | < 7.13 | ug/Kg |   | 7/27/2015 | 18:02 |
| Methyl tert-butyl Ether   | < 7.13 | ug/Kg |   | 7/27/2015 | 18:02 |
| Methylcyclohexane         | < 7.13 | ug/Kg |   | 7/27/2015 | 18:02 |
| Methylene chloride        | < 17.8 | ug/Kg |   | 7/27/2015 | 18:02 |
| o-Xylene                  | < 7.13 | ug/Kg |   | 7/27/2015 | 18:02 |
| Styrene                   | < 17.8 | ug/Kg |   | 7/27/2015 | 18:02 |
| Tetrachloroethene         | < 7.13 | ug/Kg |   | 7/27/2015 | 18:02 |
| Toluene                   | < 7.13 | ug/Kg |   | 7/27/2015 | 18:02 |
| trans-1,2-Dichloroethene  | < 7.13 | ug/Kg |   | 7/27/2015 | 18:02 |
| trans-1,3-Dichloropropene | < 7.13 | ug/Kg |   | 7/27/2015 | 18:02 |
| Trichloroethene           | < 7.13 | ug/Kg |   | 7/27/2015 | 18:02 |
| Trichlorofluoromethane    | < 7.13 | ug/Kg |   | 7/27/2015 | 18:02 |
| Vinyl chloride            | < 7.13 | ug/Kg |   | 7/27/2015 | 18:02 |

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**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** MW-29

**Lab Sample ID:** 153072-05

**Date Sampled:** 7/22/2015

**Matrix:** Soil

**Date Received:** 7/22/2015

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | <b>103</b>              | 84.1 - 121    |                 | 7/27/2015 18:02      |
| 4-Bromofluorobenzene  | <b>89.3</b>             | 83.4 - 113    |                 | 7/27/2015 18:02      |
| Pentafluorobenzene    | <b>99.4</b>             | 91.4 - 110    |                 | 7/27/2015 18:02      |
| Toluene-D8            | <b>95.3</b>             | 91.5 - 106    |                 | 7/27/2015 18:02      |

**Method Reference(s):** EPA 8260C  
EPA 5035

**Data File:** x24931.D

*This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.*



## **Analytical Report Appendix**

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

*"<" = Analyzed for but not detected at or above the quantitation limit.*

*"E" = Result has been estimated, calibration limit exceeded.*

*"Z" = See case narrative.*

*"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.*

*"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.*

*"B" = Method blank contained trace levels of analyte. Refer to included method blank report.*

*"J" = Result estimated between the quantitation limit and half the quantitation limit.*

*"L" = Laboratory Control Sample recovery outside accepted QC limits.*

*"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.*  
*"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.*

*"\*" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

*"(1)" = Indicates data from primary column used for QC calculation.*

# GENERAL TERMS AND CONDITIONS

## LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term, or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

### **Warranty.**

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

### **Scope and Compensation.**

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

### **Prices.**

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

### **Limitations of Liability.**

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

### **Hazard Disclosure.**

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

### **Sample Handling.**

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises. Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

### **Legal Responsibility.**

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

### **Assignment.**

LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

### **Force Majeure.**

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

### **Law.**

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.



# CHAIN OF CUSTODY



**REPORT TO:**

**INVOICE TO:**

**LAB PROJECT ID**

|                            |          |                                                 |          |                                        |
|----------------------------|----------|-------------------------------------------------|----------|----------------------------------------|
| CLIENT: <i>Lu Sengmeas</i> | CLIENT:  | ADDRESS: <i>115 Sullivan's Trail, Suite 202</i> | ADDRESS: | LAB PROJECT ID: <i>153072</i>          |
| ADDRESS: <i>Pittsford</i>  | ADDRESS: | CITY: <i>Pittsford</i>                          | CITY:    | Quotation #: <i>153072</i>             |
| STATE: <i>NY</i>           | STATE:   | STATE: <i>NY</i>                                | STATE:   |                                        |
| ZIP: <i>14834</i>          | ZIP:     | ZIP: <i>14834</i>                               | ZIP:     |                                        |
| PHONE: <i>585-385-7417</i> | PHONE:   | PHONE: <i>585-385-7417</i>                      | PHONE:   | Email: <i>gregandros@changmeas.com</i> |
| ATTN: <i>Greg Andros</i>   | ATTN:    |                                                 |          |                                        |

PROJECT REFERENCE  
*4/216-06*

|                                                                 |                                |                                        |                          |                          |                         |                      |
|-----------------------------------------------------------------|--------------------------------|----------------------------------------|--------------------------|--------------------------|-------------------------|----------------------|
| Matrix Codes:<br>AQ - Aqueous Liquid<br>NQ - Non-Aqueous Liquid | WA - Water<br>WG - Groundwater | DW - Drinking Water<br>WW - Wastewater | SO - Soil<br>SL - Sludge | SD - Solid<br>PT - Paint | WP - Wipe<br>CK - Caulk | OL - Oil<br>AR - Air |
|-----------------------------------------------------------------|--------------------------------|----------------------------------------|--------------------------|--------------------------|-------------------------|----------------------|

**REQUESTED ANALYSIS**

| DATE COLLECTED | TIME COLLECTED | COMPOSITE                           | GRADES                              | SAMPLE IDENTIFIER | MATERIALS                           | CONTAMINANTS        | REMARKS               | PARADIGM LAB SAMPLE NUMBER |
|----------------|----------------|-------------------------------------|-------------------------------------|-------------------|-------------------------------------|---------------------|-----------------------|----------------------------|
| <i>7/22/15</i> | <i>10:05</i>   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <i>PUN-26</i>     | <input checked="" type="checkbox"/> | <i>8060 VOCs TC</i> | <i>PER GA, OK</i>     | <i>01</i>                  |
| <i>7/22/15</i> | <i>15:25</i>   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <i>PW-27A</i>     | <input checked="" type="checkbox"/> | <i>TAL Metals</i>   | <i>HD STAFF ICDCS</i> | <i>02</i>                  |
| <i>7/22/15</i> | <i>8:30</i>    | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <i>MW-27B</i>     | <input checked="" type="checkbox"/> | <i>9082 PCBs</i>    | <i>low, OK</i>        | <i>03</i>                  |
| <i>7/22/15</i> | <i>12:40</i>   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <i>MW-28</i>      | <input checked="" type="checkbox"/> |                     | <i>level PCBs</i>     | <i>04</i>                  |
| <i>7/22/15</i> | <i>9:00</i>    | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <i>MW-29</i>      | <input checked="" type="checkbox"/> |                     | <i>KRH 7/24/15</i>    | <i>05</i>                  |
|                |                |                                     |                                     |                   |                                     |                     |                       |                            |
|                |                |                                     |                                     |                   |                                     |                     |                       |                            |
|                |                |                                     |                                     |                   |                                     |                     |                       |                            |
|                |                |                                     |                                     |                   |                                     |                     |                       |                            |
|                |                |                                     |                                     |                   |                                     |                     |                       |                            |
|                |                |                                     |                                     |                   |                                     |                     |                       |                            |
|                |                |                                     |                                     |                   |                                     |                     |                       |                            |
|                |                |                                     |                                     |                   |                                     |                     |                       |                            |

**Turnaround Time**

Availability contingent upon lab approval; additional fees may apply.

**Report Supplements**

|                |                                     |                        |                                     |                            |                          |
|----------------|-------------------------------------|------------------------|-------------------------------------|----------------------------|--------------------------|
| Standard 5 day | <input checked="" type="checkbox"/> | Batch QC               | <input type="checkbox"/>            | Basic EDD                  | <input type="checkbox"/> |
| Rush 3 day     | <input type="checkbox"/>            | Category A             | <input type="checkbox"/>            | NVSDEC EDD                 | <input type="checkbox"/> |
| Rush 2 day     | <input type="checkbox"/>            | Category B             | <input checked="" type="checkbox"/> |                            |                          |
| Rush 1 day     | <input type="checkbox"/>            | Other                  | <input type="checkbox"/>            | Other EDD                  | <input type="checkbox"/> |
| Other          | <input type="checkbox"/>            | Other please indicate: | <input type="checkbox"/>            | Other EDD please indicate: | <input type="checkbox"/> |

|                                     |                                 |             |
|-------------------------------------|---------------------------------|-------------|
| Sampled By: <i>James McShane</i>    | Date/Time: <i>7/22/15 11:00</i> | Total Cost: |
| Relinquished By: <i>Greg Andros</i> | Date/Time: <i>7/22/15 12:33</i> |             |
| Received By: <i>Michael</i>         | Date/Time: <i>7/22/15 14:50</i> |             |
| Received @ Lab By:                  | Date/Time:                      |             |

*4' Circled 7/22/15 13:07*

*1072*



### Chain of Custody Supplement

Client: Lu Eng  
 Lab Project ID: 153072

Completed by: Molly Nail  
 Date: 7/22/15

**Sample Condition Requirements**  
 Per NELAC/ELAP 210/241/242/243/244

| Condition                                  | NELAC compliance with the sample condition requirements upon receipt |                                          |                                         |
|--------------------------------------------|----------------------------------------------------------------------|------------------------------------------|-----------------------------------------|
|                                            | Yes                                                                  | No                                       | N/A                                     |
| Container Type                             | <input checked="" type="checkbox"/>                                  | <input checked="" type="checkbox"/> 5035 | <input type="checkbox"/>                |
| Comments                                   | _____                                                                |                                          |                                         |
| Transferred to method-compliant container  | <input type="checkbox"/>                                             | <input type="checkbox"/>                 | <input checked="" type="checkbox"/>     |
| Headspace (<1 mL)                          | <input type="checkbox"/>                                             | <input type="checkbox"/>                 | <input checked="" type="checkbox"/>     |
| Comments                                   | _____                                                                |                                          |                                         |
| Preservation                               | <input type="checkbox"/>                                             | <input type="checkbox"/>                 | <input checked="" type="checkbox"/>     |
| Comments                                   | _____                                                                |                                          |                                         |
| Chlorine Absent (<0.10 ppm per test strip) | <input type="checkbox"/>                                             | <input type="checkbox"/>                 | <input checked="" type="checkbox"/>     |
| Comments                                   | _____                                                                |                                          |                                         |
| Holding Time                               | <input checked="" type="checkbox"/>                                  | <input type="checkbox"/>                 | <input type="checkbox"/>                |
| Comments                                   | _____                                                                |                                          |                                         |
| Temperature                                | <input checked="" type="checkbox"/>                                  | <input type="checkbox"/>                 | <input checked="" type="checkbox"/> met |
| Comments                                   | <u>4°Ciced 7/22/15 1307</u>                                          |                                          |                                         |
| Sufficient Sample Quantity                 | <input checked="" type="checkbox"/>                                  | <input type="checkbox"/>                 | <input type="checkbox"/>                |
| Comments                                   | _____                                                                |                                          |                                         |



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

*Analytical Report For*  
**Lu Engineers, Inc.**

*For Lab Project ID*

**153106**

*Referencing*

**4216-06**

*Prepared*

**Thursday, July 30, 2015**

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

A handwritten signature in black ink, appearing to read "K. Hansen", is written over a horizontal line.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Page 1 of 23

*Report Prepared Thursday, July 30, 2015*



**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** MW-23\_072415

**Lab Sample ID:** 153106-01

**Date Sampled:** 7/24/2015

**Matrix:** Groundwater

**Date Received:** 7/24/2015

**Volatile Organics**

| Analyte                     | Result | Units | Qualifier | Date Analyzed   |
|-----------------------------|--------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane       | < 2.00 | ug/L  |           | 7/29/2015 18:50 |
| 1,1,2,2-Tetrachloroethane   | < 2.00 | ug/L  |           | 7/29/2015 18:50 |
| 1,1,2-Trichloroethane       | < 2.00 | ug/L  |           | 7/29/2015 18:50 |
| 1,1-Dichloroethane          | < 2.00 | ug/L  |           | 7/29/2015 18:50 |
| 1,1-Dichloroethene          | < 2.00 | ug/L  |           | 7/29/2015 18:50 |
| 1,2,3-Trichlorobenzene      | < 5.00 | ug/L  |           | 7/29/2015 18:50 |
| 1,2,4-Trichlorobenzene      | < 5.00 | ug/L  |           | 7/29/2015 18:50 |
| 1,2-Dibromo-3-Chloropropane | < 10.0 | ug/L  |           | 7/29/2015 18:50 |
| 1,2-Dibromoethane           | < 2.00 | ug/L  |           | 7/29/2015 18:50 |
| 1,2-Dichlorobenzene         | < 2.00 | ug/L  |           | 7/29/2015 18:50 |
| 1,2-Dichloroethane          | < 2.00 | ug/L  |           | 7/29/2015 18:50 |
| 1,2-Dichloropropane         | < 2.00 | ug/L  |           | 7/29/2015 18:50 |
| 1,3-Dichlorobenzene         | < 2.00 | ug/L  |           | 7/29/2015 18:50 |
| 1,4-Dichlorobenzene         | < 2.00 | ug/L  |           | 7/29/2015 18:50 |
| 1,4-dioxane                 | < 20.0 | ug/L  |           | 7/29/2015 18:50 |
| 2-Butanone                  | < 10.0 | ug/L  |           | 7/29/2015 18:50 |
| 2-Hexanone                  | < 5.00 | ug/L  |           | 7/29/2015 18:50 |
| 4-Methyl-2-pentanone        | < 5.00 | ug/L  |           | 7/29/2015 18:50 |
| Acetone                     | < 10.0 | ug/L  |           | 7/29/2015 18:50 |
| Benzene                     | < 1.00 | ug/L  |           | 7/29/2015 18:50 |
| Bromochloromethane          | < 5.00 | ug/L  |           | 7/29/2015 18:50 |
| Bromodichloromethane        | < 2.00 | ug/L  |           | 7/29/2015 18:50 |
| Bromoform                   | < 5.00 | ug/L  |           | 7/29/2015 18:50 |
| Bromomethane                | < 2.00 | ug/L  |           | 7/29/2015 18:50 |
| Carbon disulfide            | < 2.00 | ug/L  |           | 7/29/2015 18:50 |
| Carbon Tetrachloride        | < 2.00 | ug/L  |           | 7/29/2015 18:50 |
| Chlorobenzene               | < 2.00 | ug/L  |           | 7/29/2015 18:50 |
| Chloroethane                | < 2.00 | ug/L  |           | 7/29/2015 18:50 |
| Chloroform                  | < 2.00 | ug/L  |           | 7/29/2015 18:50 |

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**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** MW-23\_072415

**Lab Sample ID:** 153106-01

**Date Sampled:** 7/24/2015

**Matrix:** Groundwater

**Date Received:** 7/24/2015

|                           |        |      |           |       |
|---------------------------|--------|------|-----------|-------|
| Chloromethane             | < 2.00 | ug/L | 7/29/2015 | 18:50 |
| cis-1,2-Dichloroethene    | < 2.00 | ug/L | 7/29/2015 | 18:50 |
| cis-1,3-Dichloropropene   | < 2.00 | ug/L | 7/29/2015 | 18:50 |
| Cyclohexane               | < 10.0 | ug/L | 7/29/2015 | 18:50 |
| Dibromochloromethane      | < 2.00 | ug/L | 7/29/2015 | 18:50 |
| Dichlorodifluoromethane   | < 2.00 | ug/L | 7/29/2015 | 18:50 |
| Ethylbenzene              | < 2.00 | ug/L | 7/29/2015 | 18:50 |
| Freon 113                 | < 2.00 | ug/L | 7/29/2015 | 18:50 |
| Isopropylbenzene          | < 2.00 | ug/L | 7/29/2015 | 18:50 |
| m,p-Xylene                | < 2.00 | ug/L | 7/29/2015 | 18:50 |
| Methyl acetate            | < 2.00 | ug/L | 7/29/2015 | 18:50 |
| Methyl tert-butyl Ether   | < 2.00 | ug/L | 7/29/2015 | 18:50 |
| Methylcyclohexane         | < 2.00 | ug/L | 7/29/2015 | 18:50 |
| Methylene chloride        | < 5.00 | ug/L | 7/29/2015 | 18:50 |
| o-Xylene                  | < 2.00 | ug/L | 7/29/2015 | 18:50 |
| Styrene                   | < 5.00 | ug/L | 7/29/2015 | 18:50 |
| Tetrachloroethene         | < 2.00 | ug/L | 7/29/2015 | 18:50 |
| Toluene                   | < 2.00 | ug/L | 7/29/2015 | 18:50 |
| trans-1,2-Dichloroethene  | < 2.00 | ug/L | 7/29/2015 | 18:50 |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | 7/29/2015 | 18:50 |
| Trichloroethene           | < 2.00 | ug/L | 7/29/2015 | 18:50 |
| Trichlorofluoromethane    | < 2.00 | ug/L | 7/29/2015 | 18:50 |
| Vinyl chloride            | < 2.00 | ug/L | 7/29/2015 | 18:50 |

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | <b>105</b>              | 81.1 - 116    |                 | 7/29/2015 18:50      |
| 4-Bromofluorobenzene  | <b>88.3</b>             | 82.3 - 113    |                 | 7/29/2015 18:50      |
| Pentafluorobenzene    | <b>96.7</b>             | 91.1 - 110    |                 | 7/29/2015 18:50      |
| Toluene-D8            | <b>94.2</b>             | 91.4 - 106    |                 | 7/29/2015 18:50      |

**Method Reference(s):** EPA 8260C

EPA 5030

**Data File:** x25027.D



**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** MW-26\_072415

**Lab Sample ID:** 153106-02

**Date Sampled:** 7/24/2015

**Matrix:** Groundwater

**Date Received:** 7/24/2015

**Volatile Organics**

| Analyte                     | Result      | Units | Qualifier | Date Analyzed   |
|-----------------------------|-------------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane       | < 2.00      | ug/L  |           | 7/29/2015 18:26 |
| 1,1,2,2-Tetrachloroethane   | < 2.00      | ug/L  |           | 7/29/2015 18:26 |
| 1,1,2-Trichloroethane       | < 2.00      | ug/L  |           | 7/29/2015 18:26 |
| 1,1-Dichloroethane          | < 2.00      | ug/L  |           | 7/29/2015 18:26 |
| 1,1-Dichloroethene          | < 2.00      | ug/L  |           | 7/29/2015 18:26 |
| 1,2,3-Trichlorobenzene      | < 5.00      | ug/L  |           | 7/29/2015 18:26 |
| 1,2,4-Trichlorobenzene      | < 5.00      | ug/L  |           | 7/29/2015 18:26 |
| 1,2-Dibromo-3-Chloropropane | < 10.0      | ug/L  |           | 7/29/2015 18:26 |
| 1,2-Dibromoethane           | < 2.00      | ug/L  |           | 7/29/2015 18:26 |
| 1,2-Dichlorobenzene         | < 2.00      | ug/L  |           | 7/29/2015 18:26 |
| 1,2-Dichloroethane          | < 2.00      | ug/L  |           | 7/29/2015 18:26 |
| 1,2-Dichloropropane         | < 2.00      | ug/L  |           | 7/29/2015 18:26 |
| 1,3-Dichlorobenzene         | < 2.00      | ug/L  |           | 7/29/2015 18:26 |
| 1,4-Dichlorobenzene         | < 2.00      | ug/L  |           | 7/29/2015 18:26 |
| 1,4-dioxane                 | < 20.0      | ug/L  |           | 7/29/2015 18:26 |
| 2-Butanone                  | < 10.0      | ug/L  |           | 7/29/2015 18:26 |
| 2-Hexanone                  | < 5.00      | ug/L  |           | 7/29/2015 18:26 |
| 4-Methyl-2-pentanone        | < 5.00      | ug/L  |           | 7/29/2015 18:26 |
| Acetone                     | < 10.0      | ug/L  |           | 7/29/2015 18:26 |
| Benzene                     | < 1.00      | ug/L  |           | 7/29/2015 18:26 |
| Bromochloromethane          | < 5.00      | ug/L  |           | 7/29/2015 18:26 |
| Bromodichloromethane        | < 2.00      | ug/L  |           | 7/29/2015 18:26 |
| Bromoform                   | < 5.00      | ug/L  |           | 7/29/2015 18:26 |
| Bromomethane                | < 2.00      | ug/L  |           | 7/29/2015 18:26 |
| Carbon disulfide            | < 2.00      | ug/L  |           | 7/29/2015 18:26 |
| Carbon Tetrachloride        | < 2.00      | ug/L  |           | 7/29/2015 18:26 |
| Chlorobenzene               | < 2.00      | ug/L  |           | 7/29/2015 18:26 |
| Chloroethane                | < 2.00      | ug/L  |           | 7/29/2015 18:26 |
| Chloroform                  | <b>5.39</b> | ug/L  |           | 7/29/2015 18:26 |

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**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** MW-26\_072415

**Lab Sample ID:** 153106-02

**Date Sampled:** 7/24/2015

**Matrix:** Groundwater

**Date Received:** 7/24/2015

|                           |        |      |           |       |
|---------------------------|--------|------|-----------|-------|
| Chloromethane             | < 2.00 | ug/L | 7/29/2015 | 18:26 |
| cis-1,2-Dichloroethene    | < 2.00 | ug/L | 7/29/2015 | 18:26 |
| cis-1,3-Dichloropropene   | < 2.00 | ug/L | 7/29/2015 | 18:26 |
| Cyclohexane               | < 10.0 | ug/L | 7/29/2015 | 18:26 |
| Dibromochloromethane      | < 2.00 | ug/L | 7/29/2015 | 18:26 |
| Dichlorodifluoromethane   | < 2.00 | ug/L | 7/29/2015 | 18:26 |
| Ethylbenzene              | < 2.00 | ug/L | 7/29/2015 | 18:26 |
| Freon 113                 | < 2.00 | ug/L | 7/29/2015 | 18:26 |
| Isopropylbenzene          | < 2.00 | ug/L | 7/29/2015 | 18:26 |
| m,p-Xylene                | < 2.00 | ug/L | 7/29/2015 | 18:26 |
| Methyl acetate            | < 2.00 | ug/L | 7/29/2015 | 18:26 |
| Methyl tert-butyl Ether   | < 2.00 | ug/L | 7/29/2015 | 18:26 |
| Methylcyclohexane         | < 2.00 | ug/L | 7/29/2015 | 18:26 |
| Methylene chloride        | < 5.00 | ug/L | 7/29/2015 | 18:26 |
| o-Xylene                  | < 2.00 | ug/L | 7/29/2015 | 18:26 |
| Styrene                   | < 5.00 | ug/L | 7/29/2015 | 18:26 |
| Tetrachloroethene         | < 2.00 | ug/L | 7/29/2015 | 18:26 |
| Toluene                   | < 2.00 | ug/L | 7/29/2015 | 18:26 |
| trans-1,2-Dichloroethene  | < 2.00 | ug/L | 7/29/2015 | 18:26 |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | 7/29/2015 | 18:26 |
| Trichloroethene           | < 2.00 | ug/L | 7/29/2015 | 18:26 |
| Trichlorofluoromethane    | < 2.00 | ug/L | 7/29/2015 | 18:26 |
| Vinyl chloride            | < 2.00 | ug/L | 7/29/2015 | 18:26 |

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | <b>105</b>              | 81.1 - 116    |                 | 7/29/2015 18:26      |
| 4-Bromofluorobenzene  | <b>88.3</b>             | 82.3 - 113    |                 | 7/29/2015 18:26      |
| Pentafluorobenzene    | <b>97.6</b>             | 91.1 - 110    |                 | 7/29/2015 18:26      |
| Toluene-D8            | <b>95.8</b>             | 91.4 - 106    |                 | 7/29/2015 18:26      |

**Method Reference(s):** EPA 8260C  
EPA 5030  
**Data File:** x25026.D



**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** MW-29\_072415

**Lab Sample ID:** 153106-03

**Date Sampled:** 7/24/2015

**Matrix:** Groundwater

**Date Received:** 7/24/2015

**Volatile Organics**

| Analyte                     | Result      | Units | Qualifier | Date Analyzed   |
|-----------------------------|-------------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane       | < 2.00      | ug/L  |           | 7/29/2015 18:03 |
| 1,1,2,2-Tetrachloroethane   | < 2.00      | ug/L  |           | 7/29/2015 18:03 |
| 1,1,2-Trichloroethane       | < 2.00      | ug/L  |           | 7/29/2015 18:03 |
| 1,1-Dichloroethane          | < 2.00      | ug/L  |           | 7/29/2015 18:03 |
| 1,1-Dichloroethene          | < 2.00      | ug/L  |           | 7/29/2015 18:03 |
| 1,2,3-Trichlorobenzene      | < 5.00      | ug/L  |           | 7/29/2015 18:03 |
| 1,2,4-Trichlorobenzene      | < 5.00      | ug/L  |           | 7/29/2015 18:03 |
| 1,2-Dibromo-3-Chloropropane | < 10.0      | ug/L  |           | 7/29/2015 18:03 |
| 1,2-Dibromoethane           | < 2.00      | ug/L  |           | 7/29/2015 18:03 |
| 1,2-Dichlorobenzene         | < 2.00      | ug/L  |           | 7/29/2015 18:03 |
| 1,2-Dichloroethane          | < 2.00      | ug/L  |           | 7/29/2015 18:03 |
| 1,2-Dichloropropane         | < 2.00      | ug/L  |           | 7/29/2015 18:03 |
| 1,3-Dichlorobenzene         | < 2.00      | ug/L  |           | 7/29/2015 18:03 |
| 1,4-Dichlorobenzene         | < 2.00      | ug/L  |           | 7/29/2015 18:03 |
| 1,4-dioxane                 | < 20.0      | ug/L  |           | 7/29/2015 18:03 |
| 2-Butanone                  | < 10.0      | ug/L  |           | 7/29/2015 18:03 |
| 2-Hexanone                  | < 5.00      | ug/L  |           | 7/29/2015 18:03 |
| 4-Methyl-2-pentanone        | < 5.00      | ug/L  |           | 7/29/2015 18:03 |
| Acetone                     | < 10.0      | ug/L  |           | 7/29/2015 18:03 |
| Benzene                     | < 1.00      | ug/L  |           | 7/29/2015 18:03 |
| Bromochloromethane          | < 5.00      | ug/L  |           | 7/29/2015 18:03 |
| Bromodichloromethane        | < 2.00      | ug/L  |           | 7/29/2015 18:03 |
| Bromoform                   | < 5.00      | ug/L  |           | 7/29/2015 18:03 |
| Bromomethane                | < 2.00      | ug/L  |           | 7/29/2015 18:03 |
| Carbon disulfide            | < 2.00      | ug/L  |           | 7/29/2015 18:03 |
| Carbon Tetrachloride        | < 2.00      | ug/L  |           | 7/29/2015 18:03 |
| Chlorobenzene               | < 2.00      | ug/L  |           | 7/29/2015 18:03 |
| Chloroethane                | < 2.00      | ug/L  |           | 7/29/2015 18:03 |
| Chloroform                  | <b>4.45</b> | ug/L  |           | 7/29/2015 18:03 |

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**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** MW-29\_072415

**Lab Sample ID:** 153106-03

**Date Sampled:** 7/24/2015

**Matrix:** Groundwater

**Date Received:** 7/24/2015

|                           |        |      |           |       |
|---------------------------|--------|------|-----------|-------|
| Chloromethane             | < 2.00 | ug/L | 7/29/2015 | 18:03 |
| cis-1,2-Dichloroethene    | < 2.00 | ug/L | 7/29/2015 | 18:03 |
| cis-1,3-Dichloropropene   | < 2.00 | ug/L | 7/29/2015 | 18:03 |
| Cyclohexane               | < 10.0 | ug/L | 7/29/2015 | 18:03 |
| Dibromochloromethane      | < 2.00 | ug/L | 7/29/2015 | 18:03 |
| Dichlorodifluoromethane   | < 2.00 | ug/L | 7/29/2015 | 18:03 |
| Ethylbenzene              | < 2.00 | ug/L | 7/29/2015 | 18:03 |
| Freon 113                 | < 2.00 | ug/L | 7/29/2015 | 18:03 |
| Isopropylbenzene          | < 2.00 | ug/L | 7/29/2015 | 18:03 |
| m,p-Xylene                | < 2.00 | ug/L | 7/29/2015 | 18:03 |
| Methyl acetate            | < 2.00 | ug/L | 7/29/2015 | 18:03 |
| Methyl tert-butyl Ether   | < 2.00 | ug/L | 7/29/2015 | 18:03 |
| Methylcyclohexane         | < 2.00 | ug/L | 7/29/2015 | 18:03 |
| Methylene chloride        | < 5.00 | ug/L | 7/29/2015 | 18:03 |
| o-Xylene                  | < 2.00 | ug/L | 7/29/2015 | 18:03 |
| Styrene                   | < 5.00 | ug/L | 7/29/2015 | 18:03 |
| Tetrachloroethene         | < 2.00 | ug/L | 7/29/2015 | 18:03 |
| Toluene                   | < 2.00 | ug/L | 7/29/2015 | 18:03 |
| trans-1,2-Dichloroethene  | < 2.00 | ug/L | 7/29/2015 | 18:03 |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | 7/29/2015 | 18:03 |
| Trichloroethene           | < 2.00 | ug/L | 7/29/2015 | 18:03 |
| Trichlorofluoromethane    | < 2.00 | ug/L | 7/29/2015 | 18:03 |
| Vinyl chloride            | < 2.00 | ug/L | 7/29/2015 | 18:03 |

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | <b>99.1</b>             | 81.1 - 116    |                 | 7/29/2015 18:03      |
| 4-Bromofluorobenzene  | <b>89.1</b>             | 82.3 - 113    |                 | 7/29/2015 18:03      |
| Pentafluorobenzene    | <b>96.7</b>             | 91.1 - 110    |                 | 7/29/2015 18:03      |
| Toluene-D8            | <b>93.5</b>             | 91.4 - 106    |                 | 7/29/2015 18:03      |

**Method Reference(s):** EPA 8260C  
EPA 5030  
**Data File:** x25025.D



**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** MW-27\_072415

**Lab Sample ID:** 153106-04

**Date Sampled:** 7/24/2015

**Matrix:** Groundwater

**Date Received:** 7/24/2015

**Volatile Organics**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| 1,1,1-Trichloroethane       | < 2.00        | ug/L         |                  | 7/29/2015 17:40      |
| 1,1,2,2-Tetrachloroethane   | < 2.00        | ug/L         |                  | 7/29/2015 17:40      |
| 1,1,2-Trichloroethane       | < 2.00        | ug/L         |                  | 7/29/2015 17:40      |
| 1,1-Dichloroethane          | < 2.00        | ug/L         |                  | 7/29/2015 17:40      |
| 1,1-Dichloroethene          | < 2.00        | ug/L         |                  | 7/29/2015 17:40      |
| 1,2,3-Trichlorobenzene      | < 5.00        | ug/L         |                  | 7/29/2015 17:40      |
| 1,2,4-Trichlorobenzene      | < 5.00        | ug/L         |                  | 7/29/2015 17:40      |
| 1,2-Dibromo-3-Chloropropane | < 10.0        | ug/L         |                  | 7/29/2015 17:40      |
| 1,2-Dibromoethane           | < 2.00        | ug/L         |                  | 7/29/2015 17:40      |
| 1,2-Dichlorobenzene         | < 2.00        | ug/L         |                  | 7/29/2015 17:40      |
| 1,2-Dichloroethane          | < 2.00        | ug/L         |                  | 7/29/2015 17:40      |
| 1,2-Dichloropropane         | < 2.00        | ug/L         |                  | 7/29/2015 17:40      |
| 1,3-Dichlorobenzene         | < 2.00        | ug/L         |                  | 7/29/2015 17:40      |
| 1,4-Dichlorobenzene         | < 2.00        | ug/L         |                  | 7/29/2015 17:40      |
| 1,4-dioxane                 | < 20.0        | ug/L         |                  | 7/29/2015 17:40      |
| 2-Butanone                  | < 10.0        | ug/L         |                  | 7/29/2015 17:40      |
| 2-Hexanone                  | < 5.00        | ug/L         |                  | 7/29/2015 17:40      |
| 4-Methyl-2-pentanone        | < 5.00        | ug/L         |                  | 7/29/2015 17:40      |
| Acetone                     | < 10.0        | ug/L         |                  | 7/29/2015 17:40      |
| Benzene                     | < 1.00        | ug/L         |                  | 7/29/2015 17:40      |
| Bromochloromethane          | < 5.00        | ug/L         |                  | 7/29/2015 17:40      |
| Bromodichloromethane        | < 2.00        | ug/L         |                  | 7/29/2015 17:40      |
| Bromoform                   | < 5.00        | ug/L         |                  | 7/29/2015 17:40      |
| Bromomethane                | < 2.00        | ug/L         |                  | 7/29/2015 17:40      |
| Carbon disulfide            | < 2.00        | ug/L         |                  | 7/29/2015 17:40      |
| Carbon Tetrachloride        | < 2.00        | ug/L         |                  | 7/29/2015 17:40      |
| Chlorobenzene               | < 2.00        | ug/L         |                  | 7/29/2015 17:40      |
| Chloroethane                | < 2.00        | ug/L         |                  | 7/29/2015 17:40      |
| Chloroform                  | < 2.00        | ug/L         |                  | 7/29/2015 17:40      |

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**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** MW-27\_072415

**Lab Sample ID:** 153106-04

**Date Sampled:** 7/24/2015

**Matrix:** Groundwater

**Date Received:** 7/24/2015

|                           |        |      |           |       |
|---------------------------|--------|------|-----------|-------|
| Chloromethane             | < 2.00 | ug/L | 7/29/2015 | 17:40 |
| cis-1,2-Dichloroethene    | < 2.00 | ug/L | 7/29/2015 | 17:40 |
| cis-1,3-Dichloropropene   | < 2.00 | ug/L | 7/29/2015 | 17:40 |
| Cyclohexane               | < 10.0 | ug/L | 7/29/2015 | 17:40 |
| Dibromochloromethane      | < 2.00 | ug/L | 7/29/2015 | 17:40 |
| Dichlorodifluoromethane   | < 2.00 | ug/L | 7/29/2015 | 17:40 |
| Ethylbenzene              | < 2.00 | ug/L | 7/29/2015 | 17:40 |
| Freon 113                 | < 2.00 | ug/L | 7/29/2015 | 17:40 |
| Isopropylbenzene          | < 2.00 | ug/L | 7/29/2015 | 17:40 |
| m,p-Xylene                | < 2.00 | ug/L | 7/29/2015 | 17:40 |
| Methyl acetate            | < 2.00 | ug/L | 7/29/2015 | 17:40 |
| Methyl tert-butyl Ether   | < 2.00 | ug/L | 7/29/2015 | 17:40 |
| Methylcyclohexane         | < 2.00 | ug/L | 7/29/2015 | 17:40 |
| Methylene chloride        | < 5.00 | ug/L | 7/29/2015 | 17:40 |
| o-Xylene                  | < 2.00 | ug/L | 7/29/2015 | 17:40 |
| Styrene                   | < 5.00 | ug/L | 7/29/2015 | 17:40 |
| Tetrachloroethene         | < 2.00 | ug/L | 7/29/2015 | 17:40 |
| Toluene                   | < 2.00 | ug/L | 7/29/2015 | 17:40 |
| trans-1,2-Dichloroethene  | < 2.00 | ug/L | 7/29/2015 | 17:40 |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | 7/29/2015 | 17:40 |
| Trichloroethene           | < 2.00 | ug/L | 7/29/2015 | 17:40 |
| Trichlorofluoromethane    | < 2.00 | ug/L | 7/29/2015 | 17:40 |
| Vinyl chloride            | < 2.00 | ug/L | 7/29/2015 | 17:40 |

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | <b>103</b>              | 81.1 - 116    |                 | 7/29/2015 17:40      |
| 4-Bromofluorobenzene  | <b>90.7</b>             | 82.3 - 113    |                 | 7/29/2015 17:40      |
| Pentafluorobenzene    | <b>98.0</b>             | 91.1 - 110    |                 | 7/29/2015 17:40      |
| Toluene-D8            | <b>95.4</b>             | 91.4 - 106    |                 | 7/29/2015 17:40      |

**Method Reference(s):** EPA 8260C  
EPA 5030  
**Data File:** x25024.D



**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** MW-28\_072415

**Lab Sample ID:** 153106-05

**Date Sampled:** 7/24/2015

**Matrix:** Groundwater

**Date Received:** 7/24/2015

**Volatile Organics**

| Analyte                     | Result      | Units | Qualifier | Date Analyzed   |
|-----------------------------|-------------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane       | < 2.00      | ug/L  |           | 7/29/2015 17:16 |
| 1,1,2,2-Tetrachloroethane   | < 2.00      | ug/L  |           | 7/29/2015 17:16 |
| 1,1,2-Trichloroethane       | < 2.00      | ug/L  |           | 7/29/2015 17:16 |
| 1,1-Dichloroethane          | < 2.00      | ug/L  |           | 7/29/2015 17:16 |
| 1,1-Dichloroethene          | < 2.00      | ug/L  |           | 7/29/2015 17:16 |
| 1,2,3-Trichlorobenzene      | < 5.00      | ug/L  |           | 7/29/2015 17:16 |
| 1,2,4-Trichlorobenzene      | < 5.00      | ug/L  |           | 7/29/2015 17:16 |
| 1,2-Dibromo-3-Chloropropane | < 10.0      | ug/L  |           | 7/29/2015 17:16 |
| 1,2-Dibromoethane           | < 2.00      | ug/L  |           | 7/29/2015 17:16 |
| 1,2-Dichlorobenzene         | < 2.00      | ug/L  |           | 7/29/2015 17:16 |
| 1,2-Dichloroethane          | < 2.00      | ug/L  |           | 7/29/2015 17:16 |
| 1,2-Dichloropropane         | < 2.00      | ug/L  |           | 7/29/2015 17:16 |
| 1,3-Dichlorobenzene         | < 2.00      | ug/L  |           | 7/29/2015 17:16 |
| 1,4-Dichlorobenzene         | < 2.00      | ug/L  |           | 7/29/2015 17:16 |
| 1,4-dioxane                 | < 20.0      | ug/L  |           | 7/29/2015 17:16 |
| 2-Butanone                  | < 10.0      | ug/L  |           | 7/29/2015 17:16 |
| 2-Hexanone                  | < 5.00      | ug/L  |           | 7/29/2015 17:16 |
| 4-Methyl-2-pentanone        | < 5.00      | ug/L  |           | 7/29/2015 17:16 |
| Acetone                     | < 10.0      | ug/L  |           | 7/29/2015 17:16 |
| Benzene                     | < 1.00      | ug/L  |           | 7/29/2015 17:16 |
| Bromochloromethane          | < 5.00      | ug/L  |           | 7/29/2015 17:16 |
| Bromodichloromethane        | < 2.00      | ug/L  |           | 7/29/2015 17:16 |
| Bromoform                   | < 5.00      | ug/L  |           | 7/29/2015 17:16 |
| Bromomethane                | < 2.00      | ug/L  |           | 7/29/2015 17:16 |
| Carbon disulfide            | < 2.00      | ug/L  |           | 7/29/2015 17:16 |
| Carbon Tetrachloride        | < 2.00      | ug/L  |           | 7/29/2015 17:16 |
| Chlorobenzene               | < 2.00      | ug/L  |           | 7/29/2015 17:16 |
| Chloroethane                | < 2.00      | ug/L  |           | 7/29/2015 17:16 |
| Chloroform                  | <b>6.50</b> | ug/L  |           | 7/29/2015 17:16 |

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**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** MW-28\_072415

**Lab Sample ID:** 153106-05

**Date Sampled:** 7/24/2015

**Matrix:** Groundwater

**Date Received:** 7/24/2015

|                           |        |      |           |       |
|---------------------------|--------|------|-----------|-------|
| Chloromethane             | < 2.00 | ug/L | 7/29/2015 | 17:16 |
| cis-1,2-Dichloroethene    | < 2.00 | ug/L | 7/29/2015 | 17:16 |
| cis-1,3-Dichloropropene   | < 2.00 | ug/L | 7/29/2015 | 17:16 |
| Cyclohexane               | < 10.0 | ug/L | 7/29/2015 | 17:16 |
| Dibromochloromethane      | < 2.00 | ug/L | 7/29/2015 | 17:16 |
| Dichlorodifluoromethane   | < 2.00 | ug/L | 7/29/2015 | 17:16 |
| Ethylbenzene              | < 2.00 | ug/L | 7/29/2015 | 17:16 |
| Freon 113                 | < 2.00 | ug/L | 7/29/2015 | 17:16 |
| Isopropylbenzene          | < 2.00 | ug/L | 7/29/2015 | 17:16 |
| m,p-Xylene                | < 2.00 | ug/L | 7/29/2015 | 17:16 |
| Methyl acetate            | < 2.00 | ug/L | 7/29/2015 | 17:16 |
| Methyl tert-butyl Ether   | < 2.00 | ug/L | 7/29/2015 | 17:16 |
| Methylcyclohexane         | < 2.00 | ug/L | 7/29/2015 | 17:16 |
| Methylene chloride        | < 5.00 | ug/L | 7/29/2015 | 17:16 |
| o-Xylene                  | < 2.00 | ug/L | 7/29/2015 | 17:16 |
| Styrene                   | < 5.00 | ug/L | 7/29/2015 | 17:16 |
| Tetrachloroethene         | < 2.00 | ug/L | 7/29/2015 | 17:16 |
| Toluene                   | < 2.00 | ug/L | 7/29/2015 | 17:16 |
| trans-1,2-Dichloroethene  | < 2.00 | ug/L | 7/29/2015 | 17:16 |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | 7/29/2015 | 17:16 |
| Trichloroethene           | < 2.00 | ug/L | 7/29/2015 | 17:16 |
| Trichlorofluoromethane    | < 2.00 | ug/L | 7/29/2015 | 17:16 |
| Vinyl chloride            | < 2.00 | ug/L | 7/29/2015 | 17:16 |

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | <b>98.9</b>             | 81.1 - 116    |                 | 7/29/2015 17:16      |
| 4-Bromofluorobenzene  | <b>90.7</b>             | 82.3 - 113    |                 | 7/29/2015 17:16      |
| Pentafluorobenzene    | <b>96.4</b>             | 91.1 - 110    |                 | 7/29/2015 17:16      |
| Toluene-D8            | <b>94.7</b>             | 91.4 - 106    |                 | 7/29/2015 17:16      |

**Method Reference(s):** EPA 8260C  
EPA 5030  
**Data File:** x25023.D



**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** MW-22\_072415

**Lab Sample ID:** 153106-06

**Date Sampled:** 7/24/2015

**Matrix:** Groundwater

**Date Received:** 7/24/2015

**Volatile Organics**

| Analyte                     | Result      | Units | Qualifier | Date Analyzed   |
|-----------------------------|-------------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane       | < 2.00      | ug/L  |           | 7/29/2015 16:52 |
| 1,1,2,2-Tetrachloroethane   | < 2.00      | ug/L  |           | 7/29/2015 16:52 |
| 1,1,2-Trichloroethane       | < 2.00      | ug/L  |           | 7/29/2015 16:52 |
| 1,1-Dichloroethane          | < 2.00      | ug/L  |           | 7/29/2015 16:52 |
| 1,1-Dichloroethene          | < 2.00      | ug/L  |           | 7/29/2015 16:52 |
| 1,2,3-Trichlorobenzene      | < 5.00      | ug/L  |           | 7/29/2015 16:52 |
| 1,2,4-Trichlorobenzene      | < 5.00      | ug/L  |           | 7/29/2015 16:52 |
| 1,2-Dibromo-3-Chloropropane | < 10.0      | ug/L  |           | 7/29/2015 16:52 |
| 1,2-Dibromoethane           | < 2.00      | ug/L  |           | 7/29/2015 16:52 |
| 1,2-Dichlorobenzene         | < 2.00      | ug/L  |           | 7/29/2015 16:52 |
| 1,2-Dichloroethane          | < 2.00      | ug/L  |           | 7/29/2015 16:52 |
| 1,2-Dichloropropane         | < 2.00      | ug/L  |           | 7/29/2015 16:52 |
| 1,3-Dichlorobenzene         | < 2.00      | ug/L  |           | 7/29/2015 16:52 |
| 1,4-Dichlorobenzene         | < 2.00      | ug/L  |           | 7/29/2015 16:52 |
| 1,4-dioxane                 | < 20.0      | ug/L  |           | 7/29/2015 16:52 |
| 2-Butanone                  | < 10.0      | ug/L  |           | 7/29/2015 16:52 |
| 2-Hexanone                  | < 5.00      | ug/L  |           | 7/29/2015 16:52 |
| 4-Methyl-2-pentanone        | < 5.00      | ug/L  |           | 7/29/2015 16:52 |
| Acetone                     | < 10.0      | ug/L  |           | 7/29/2015 16:52 |
| Benzene                     | < 1.00      | ug/L  |           | 7/29/2015 16:52 |
| Bromochloromethane          | < 5.00      | ug/L  |           | 7/29/2015 16:52 |
| Bromodichloromethane        | < 2.00      | ug/L  |           | 7/29/2015 16:52 |
| Bromoform                   | < 5.00      | ug/L  |           | 7/29/2015 16:52 |
| Bromomethane                | < 2.00      | ug/L  |           | 7/29/2015 16:52 |
| Carbon disulfide            | < 2.00      | ug/L  |           | 7/29/2015 16:52 |
| Carbon Tetrachloride        | < 2.00      | ug/L  |           | 7/29/2015 16:52 |
| Chlorobenzene               | < 2.00      | ug/L  |           | 7/29/2015 16:52 |
| Chloroethane                | < 2.00      | ug/L  |           | 7/29/2015 16:52 |
| Chloroform                  | <b>2.41</b> | ug/L  |           | 7/29/2015 16:52 |

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**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** MW-22\_072415

**Lab Sample ID:** 153106-06

**Date Sampled:** 7/24/2015

**Matrix:** Groundwater

**Date Received:** 7/24/2015

|                           |        |      |           |       |
|---------------------------|--------|------|-----------|-------|
| Chloromethane             | < 2.00 | ug/L | 7/29/2015 | 16:52 |
| cis-1,2-Dichloroethene    | < 2.00 | ug/L | 7/29/2015 | 16:52 |
| cis-1,3-Dichloropropene   | < 2.00 | ug/L | 7/29/2015 | 16:52 |
| Cyclohexane               | < 10.0 | ug/L | 7/29/2015 | 16:52 |
| Dibromochloromethane      | < 2.00 | ug/L | 7/29/2015 | 16:52 |
| Dichlorodifluoromethane   | < 2.00 | ug/L | 7/29/2015 | 16:52 |
| Ethylbenzene              | < 2.00 | ug/L | 7/29/2015 | 16:52 |
| Freon 113                 | < 2.00 | ug/L | 7/29/2015 | 16:52 |
| Isopropylbenzene          | < 2.00 | ug/L | 7/29/2015 | 16:52 |
| m,p-Xylene                | < 2.00 | ug/L | 7/29/2015 | 16:52 |
| Methyl acetate            | < 2.00 | ug/L | 7/29/2015 | 16:52 |
| Methyl tert-butyl Ether   | < 2.00 | ug/L | 7/29/2015 | 16:52 |
| Methylcyclohexane         | < 2.00 | ug/L | 7/29/2015 | 16:52 |
| Methylene chloride        | < 5.00 | ug/L | 7/29/2015 | 16:52 |
| o-Xylene                  | < 2.00 | ug/L | 7/29/2015 | 16:52 |
| Styrene                   | < 5.00 | ug/L | 7/29/2015 | 16:52 |
| Tetrachloroethene         | < 2.00 | ug/L | 7/29/2015 | 16:52 |
| Toluene                   | < 2.00 | ug/L | 7/29/2015 | 16:52 |
| trans-1,2-Dichloroethene  | < 2.00 | ug/L | 7/29/2015 | 16:52 |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | 7/29/2015 | 16:52 |
| Trichloroethene           | < 2.00 | ug/L | 7/29/2015 | 16:52 |
| Trichlorofluoromethane    | < 2.00 | ug/L | 7/29/2015 | 16:52 |
| Vinyl chloride            | < 2.00 | ug/L | 7/29/2015 | 16:52 |

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | <b>99.5</b>             | 81.1 - 116    |                 | 7/29/2015 16:52      |
| 4-Bromofluorobenzene  | <b>89.5</b>             | 82.3 - 113    |                 | 7/29/2015 16:52      |
| Pentafluorobenzene    | <b>98.3</b>             | 91.1 - 110    |                 | 7/29/2015 16:52      |
| Toluene-D8            | <b>96.6</b>             | 91.4 - 106    |                 | 7/29/2015 16:52      |

**Method Reference(s):** EPA 8260C  
EPA 5030  
**Data File:** x25022.D



**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** MW-16\_072415

**Lab Sample ID:** 153106-07

**Date Sampled:** 7/24/2015

**Matrix:** Groundwater

**Date Received:** 7/24/2015

**Volatile Organics**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| 1,1,1-Trichloroethane       | < 2.00        | ug/L         |                  | 7/29/2015 16:29      |
| 1,1,2,2-Tetrachloroethane   | < 2.00        | ug/L         |                  | 7/29/2015 16:29      |
| 1,1,2-Trichloroethane       | < 2.00        | ug/L         |                  | 7/29/2015 16:29      |
| 1,1-Dichloroethane          | < 2.00        | ug/L         |                  | 7/29/2015 16:29      |
| 1,1-Dichloroethene          | < 2.00        | ug/L         |                  | 7/29/2015 16:29      |
| 1,2,3-Trichlorobenzene      | < 5.00        | ug/L         |                  | 7/29/2015 16:29      |
| 1,2,4-Trichlorobenzene      | < 5.00        | ug/L         |                  | 7/29/2015 16:29      |
| 1,2-Dibromo-3-Chloropropane | < 10.0        | ug/L         |                  | 7/29/2015 16:29      |
| 1,2-Dibromoethane           | < 2.00        | ug/L         |                  | 7/29/2015 16:29      |
| 1,2-Dichlorobenzene         | < 2.00        | ug/L         |                  | 7/29/2015 16:29      |
| 1,2-Dichloroethane          | < 2.00        | ug/L         |                  | 7/29/2015 16:29      |
| 1,2-Dichloropropane         | < 2.00        | ug/L         |                  | 7/29/2015 16:29      |
| 1,3-Dichlorobenzene         | < 2.00        | ug/L         |                  | 7/29/2015 16:29      |
| 1,4-Dichlorobenzene         | < 2.00        | ug/L         |                  | 7/29/2015 16:29      |
| 1,4-dioxane                 | < 20.0        | ug/L         |                  | 7/29/2015 16:29      |
| 2-Butanone                  | < 10.0        | ug/L         |                  | 7/29/2015 16:29      |
| 2-Hexanone                  | < 5.00        | ug/L         |                  | 7/29/2015 16:29      |
| 4-Methyl-2-pentanone        | < 5.00        | ug/L         |                  | 7/29/2015 16:29      |
| Acetone                     | < 10.0        | ug/L         |                  | 7/29/2015 16:29      |
| Benzene                     | < 1.00        | ug/L         |                  | 7/29/2015 16:29      |
| Bromochloromethane          | < 5.00        | ug/L         |                  | 7/29/2015 16:29      |
| Bromodichloromethane        | < 2.00        | ug/L         |                  | 7/29/2015 16:29      |
| Bromoform                   | < 5.00        | ug/L         |                  | 7/29/2015 16:29      |
| Bromomethane                | < 2.00        | ug/L         |                  | 7/29/2015 16:29      |
| Carbon disulfide            | < 2.00        | ug/L         |                  | 7/29/2015 16:29      |
| Carbon Tetrachloride        | < 2.00        | ug/L         |                  | 7/29/2015 16:29      |
| Chlorobenzene               | < 2.00        | ug/L         |                  | 7/29/2015 16:29      |
| Chloroethane                | < 2.00        | ug/L         |                  | 7/29/2015 16:29      |
| Chloroform                  | < 2.00        | ug/L         |                  | 7/29/2015 16:29      |

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**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** MW-16\_072415

**Lab Sample ID:** 153106-07

**Date Sampled:** 7/24/2015

**Matrix:** Groundwater

**Date Received:** 7/24/2015

|                           |        |      |           |       |
|---------------------------|--------|------|-----------|-------|
| Chloromethane             | < 2.00 | ug/L | 7/29/2015 | 16:29 |
| cis-1,2-Dichloroethene    | < 2.00 | ug/L | 7/29/2015 | 16:29 |
| cis-1,3-Dichloropropene   | < 2.00 | ug/L | 7/29/2015 | 16:29 |
| Cyclohexane               | < 10.0 | ug/L | 7/29/2015 | 16:29 |
| Dibromochloromethane      | < 2.00 | ug/L | 7/29/2015 | 16:29 |
| Dichlorodifluoromethane   | < 2.00 | ug/L | 7/29/2015 | 16:29 |
| Ethylbenzene              | < 2.00 | ug/L | 7/29/2015 | 16:29 |
| Freon 113                 | < 2.00 | ug/L | 7/29/2015 | 16:29 |
| Isopropylbenzene          | < 2.00 | ug/L | 7/29/2015 | 16:29 |
| m,p-Xylene                | < 2.00 | ug/L | 7/29/2015 | 16:29 |
| Methyl acetate            | < 2.00 | ug/L | 7/29/2015 | 16:29 |
| Methyl tert-butyl Ether   | < 2.00 | ug/L | 7/29/2015 | 16:29 |
| Methylcyclohexane         | < 2.00 | ug/L | 7/29/2015 | 16:29 |
| Methylene chloride        | < 5.00 | ug/L | 7/29/2015 | 16:29 |
| o-Xylene                  | < 2.00 | ug/L | 7/29/2015 | 16:29 |
| Styrene                   | < 5.00 | ug/L | 7/29/2015 | 16:29 |
| Tetrachloroethene         | < 2.00 | ug/L | 7/29/2015 | 16:29 |
| Toluene                   | < 2.00 | ug/L | 7/29/2015 | 16:29 |
| trans-1,2-Dichloroethene  | < 2.00 | ug/L | 7/29/2015 | 16:29 |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | 7/29/2015 | 16:29 |
| Trichloroethene           | < 2.00 | ug/L | 7/29/2015 | 16:29 |
| Trichlorofluoromethane    | < 2.00 | ug/L | 7/29/2015 | 16:29 |
| Vinyl chloride            | < 2.00 | ug/L | 7/29/2015 | 16:29 |

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | <b>97.8</b>             | 81.1 - 116    |                 | 7/29/2015 16:29      |
| 4-Bromofluorobenzene  | <b>92.2</b>             | 82.3 - 113    |                 | 7/29/2015 16:29      |
| Pentafluorobenzene    | <b>97.4</b>             | 91.1 - 110    |                 | 7/29/2015 16:29      |
| Toluene-D8            | <b>96.4</b>             | 91.4 - 106    |                 | 7/29/2015 16:29      |

**Method Reference(s):** EPA 8260C  
EPA 5030  
**Data File:** x25021.D



**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** Blind Dup

**Lab Sample ID:** 153106-08

**Date Sampled:** 7/24/2015

**Matrix:** Groundwater

**Date Received:** 7/24/2015

**Volatile Organics**

| Analyte                     | Result      | Units | Qualifier | Date Analyzed   |
|-----------------------------|-------------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane       | < 2.00      | ug/L  |           | 7/29/2015 16:06 |
| 1,1,2,2-Tetrachloroethane   | < 2.00      | ug/L  |           | 7/29/2015 16:06 |
| 1,1,2-Trichloroethane       | < 2.00      | ug/L  |           | 7/29/2015 16:06 |
| 1,1-Dichloroethane          | < 2.00      | ug/L  |           | 7/29/2015 16:06 |
| 1,1-Dichloroethene          | < 2.00      | ug/L  |           | 7/29/2015 16:06 |
| 1,2,3-Trichlorobenzene      | < 5.00      | ug/L  |           | 7/29/2015 16:06 |
| 1,2,4-Trichlorobenzene      | < 5.00      | ug/L  |           | 7/29/2015 16:06 |
| 1,2-Dibromo-3-Chloropropane | < 10.0      | ug/L  |           | 7/29/2015 16:06 |
| 1,2-Dibromoethane           | < 2.00      | ug/L  |           | 7/29/2015 16:06 |
| 1,2-Dichlorobenzene         | < 2.00      | ug/L  |           | 7/29/2015 16:06 |
| 1,2-Dichloroethane          | < 2.00      | ug/L  |           | 7/29/2015 16:06 |
| 1,2-Dichloropropane         | < 2.00      | ug/L  |           | 7/29/2015 16:06 |
| 1,3-Dichlorobenzene         | < 2.00      | ug/L  |           | 7/29/2015 16:06 |
| 1,4-Dichlorobenzene         | < 2.00      | ug/L  |           | 7/29/2015 16:06 |
| 1,4-dioxane                 | < 20.0      | ug/L  |           | 7/29/2015 16:06 |
| 2-Butanone                  | < 10.0      | ug/L  |           | 7/29/2015 16:06 |
| 2-Hexanone                  | < 5.00      | ug/L  |           | 7/29/2015 16:06 |
| 4-Methyl-2-pentanone        | < 5.00      | ug/L  |           | 7/29/2015 16:06 |
| Acetone                     | < 10.0      | ug/L  |           | 7/29/2015 16:06 |
| Benzene                     | < 1.00      | ug/L  |           | 7/29/2015 16:06 |
| Bromochloromethane          | < 5.00      | ug/L  |           | 7/29/2015 16:06 |
| Bromodichloromethane        | < 2.00      | ug/L  |           | 7/29/2015 16:06 |
| Bromoform                   | < 5.00      | ug/L  |           | 7/29/2015 16:06 |
| Bromomethane                | < 2.00      | ug/L  |           | 7/29/2015 16:06 |
| Carbon disulfide            | < 2.00      | ug/L  |           | 7/29/2015 16:06 |
| Carbon Tetrachloride        | < 2.00      | ug/L  |           | 7/29/2015 16:06 |
| Chlorobenzene               | < 2.00      | ug/L  |           | 7/29/2015 16:06 |
| Chloroethane                | < 2.00      | ug/L  |           | 7/29/2015 16:06 |
| Chloroform                  | <b>2.51</b> | ug/L  |           | 7/29/2015 16:06 |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** Blind Dup

**Lab Sample ID:** 153106-08

**Date Sampled:** 7/24/2015

**Matrix:** Groundwater

**Date Received:** 7/24/2015

|                           |        |      |           |       |
|---------------------------|--------|------|-----------|-------|
| Chloromethane             | < 2.00 | ug/L | 7/29/2015 | 16:06 |
| cis-1,2-Dichloroethene    | < 2.00 | ug/L | 7/29/2015 | 16:06 |
| cis-1,3-Dichloropropene   | < 2.00 | ug/L | 7/29/2015 | 16:06 |
| Cyclohexane               | < 10.0 | ug/L | 7/29/2015 | 16:06 |
| Dibromochloromethane      | < 2.00 | ug/L | 7/29/2015 | 16:06 |
| Dichlorodifluoromethane   | < 2.00 | ug/L | 7/29/2015 | 16:06 |
| Ethylbenzene              | < 2.00 | ug/L | 7/29/2015 | 16:06 |
| Freon 113                 | < 2.00 | ug/L | 7/29/2015 | 16:06 |
| Isopropylbenzene          | < 2.00 | ug/L | 7/29/2015 | 16:06 |
| m,p-Xylene                | < 2.00 | ug/L | 7/29/2015 | 16:06 |
| Methyl acetate            | < 2.00 | ug/L | 7/29/2015 | 16:06 |
| Methyl tert-butyl Ether   | < 2.00 | ug/L | 7/29/2015 | 16:06 |
| Methylcyclohexane         | < 2.00 | ug/L | 7/29/2015 | 16:06 |
| Methylene chloride        | < 5.00 | ug/L | 7/29/2015 | 16:06 |
| o-Xylene                  | < 2.00 | ug/L | 7/29/2015 | 16:06 |
| Styrene                   | < 5.00 | ug/L | 7/29/2015 | 16:06 |
| Tetrachloroethene         | < 2.00 | ug/L | 7/29/2015 | 16:06 |
| Toluene                   | < 2.00 | ug/L | 7/29/2015 | 16:06 |
| trans-1,2-Dichloroethene  | < 2.00 | ug/L | 7/29/2015 | 16:06 |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | 7/29/2015 | 16:06 |
| Trichloroethene           | < 2.00 | ug/L | 7/29/2015 | 16:06 |
| Trichlorofluoromethane    | < 2.00 | ug/L | 7/29/2015 | 16:06 |
| Vinyl chloride            | < 2.00 | ug/L | 7/29/2015 | 16:06 |

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | <b>97.8</b>             | 81.1 - 116    |                 | 7/29/2015 16:06      |
| 4-Bromofluorobenzene  | <b>90.9</b>             | 82.3 - 113    |                 | 7/29/2015 16:06      |
| Pentafluorobenzene    | <b>98.9</b>             | 91.1 - 110    |                 | 7/29/2015 16:06      |
| Toluene-D8            | <b>96.9</b>             | 91.4 - 106    |                 | 7/29/2015 16:06      |

**Method Reference(s):** EPA 8260C  
EPA 5030  
**Data File:** x25020.D



**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** Trip Blank

**Lab Sample ID:** 153106-09

**Date Sampled:** 7/24/2015

**Matrix:** Water

**Date Received:** 7/24/2015

**Volatile Organics**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| 1,1,1-Trichloroethane       | < 2.00        | ug/L         |                  | 7/29/2015 15:43      |
| 1,1,2,2-Tetrachloroethane   | < 2.00        | ug/L         |                  | 7/29/2015 15:43      |
| 1,1,2-Trichloroethane       | < 2.00        | ug/L         |                  | 7/29/2015 15:43      |
| 1,1-Dichloroethane          | < 2.00        | ug/L         |                  | 7/29/2015 15:43      |
| 1,1-Dichloroethene          | < 2.00        | ug/L         |                  | 7/29/2015 15:43      |
| 1,2,3-Trichlorobenzene      | < 5.00        | ug/L         |                  | 7/29/2015 15:43      |
| 1,2,4-Trichlorobenzene      | < 5.00        | ug/L         |                  | 7/29/2015 15:43      |
| 1,2-Dibromo-3-Chloropropane | < 10.0        | ug/L         |                  | 7/29/2015 15:43      |
| 1,2-Dibromoethane           | < 2.00        | ug/L         |                  | 7/29/2015 15:43      |
| 1,2-Dichlorobenzene         | < 2.00        | ug/L         |                  | 7/29/2015 15:43      |
| 1,2-Dichloroethane          | < 2.00        | ug/L         |                  | 7/29/2015 15:43      |
| 1,2-Dichloropropane         | < 2.00        | ug/L         |                  | 7/29/2015 15:43      |
| 1,3-Dichlorobenzene         | < 2.00        | ug/L         |                  | 7/29/2015 15:43      |
| 1,4-Dichlorobenzene         | < 2.00        | ug/L         |                  | 7/29/2015 15:43      |
| 1,4-dioxane                 | < 20.0        | ug/L         |                  | 7/29/2015 15:43      |
| 2-Butanone                  | < 10.0        | ug/L         |                  | 7/29/2015 15:43      |
| 2-Hexanone                  | < 5.00        | ug/L         |                  | 7/29/2015 15:43      |
| 4-Methyl-2-pentanone        | < 5.00        | ug/L         |                  | 7/29/2015 15:43      |
| Acetone                     | < 10.0        | ug/L         |                  | 7/29/2015 15:43      |
| Benzene                     | < 1.00        | ug/L         |                  | 7/29/2015 15:43      |
| Bromochloromethane          | < 5.00        | ug/L         |                  | 7/29/2015 15:43      |
| Bromodichloromethane        | < 2.00        | ug/L         |                  | 7/29/2015 15:43      |
| Bromoform                   | < 5.00        | ug/L         |                  | 7/29/2015 15:43      |
| Bromomethane                | < 2.00        | ug/L         |                  | 7/29/2015 15:43      |
| Carbon disulfide            | < 2.00        | ug/L         |                  | 7/29/2015 15:43      |
| Carbon Tetrachloride        | < 2.00        | ug/L         |                  | 7/29/2015 15:43      |
| Chlorobenzene               | < 2.00        | ug/L         |                  | 7/29/2015 15:43      |
| Chloroethane                | < 2.00        | ug/L         |                  | 7/29/2015 15:43      |
| Chloroform                  | < 2.00        | ug/L         |                  | 7/29/2015 15:43      |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



**Client:** Lu Engineers, Inc.

**Project Reference:** 4216-06

**Sample Identifier:** Trip Blank

**Lab Sample ID:** 153106-09

**Date Sampled:** 7/24/2015

**Matrix:** Water

**Date Received:** 7/24/2015

|                           |        |      |           |       |
|---------------------------|--------|------|-----------|-------|
| Chloromethane             | < 2.00 | ug/L | 7/29/2015 | 15:43 |
| cis-1,2-Dichloroethene    | < 2.00 | ug/L | 7/29/2015 | 15:43 |
| cis-1,3-Dichloropropene   | < 2.00 | ug/L | 7/29/2015 | 15:43 |
| Cyclohexane               | < 10.0 | ug/L | 7/29/2015 | 15:43 |
| Dibromochloromethane      | < 2.00 | ug/L | 7/29/2015 | 15:43 |
| Dichlorodifluoromethane   | < 2.00 | ug/L | 7/29/2015 | 15:43 |
| Ethylbenzene              | < 2.00 | ug/L | 7/29/2015 | 15:43 |
| Freon 113                 | < 2.00 | ug/L | 7/29/2015 | 15:43 |
| Isopropylbenzene          | < 2.00 | ug/L | 7/29/2015 | 15:43 |
| m,p-Xylene                | < 2.00 | ug/L | 7/29/2015 | 15:43 |
| Methyl acetate            | < 2.00 | ug/L | 7/29/2015 | 15:43 |
| Methyl tert-butyl Ether   | < 2.00 | ug/L | 7/29/2015 | 15:43 |
| Methylcyclohexane         | < 2.00 | ug/L | 7/29/2015 | 15:43 |
| Methylene chloride        | < 5.00 | ug/L | 7/29/2015 | 15:43 |
| o-Xylene                  | < 2.00 | ug/L | 7/29/2015 | 15:43 |
| Styrene                   | < 5.00 | ug/L | 7/29/2015 | 15:43 |
| Tetrachloroethene         | < 2.00 | ug/L | 7/29/2015 | 15:43 |
| Toluene                   | < 2.00 | ug/L | 7/29/2015 | 15:43 |
| trans-1,2-Dichloroethene  | < 2.00 | ug/L | 7/29/2015 | 15:43 |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | 7/29/2015 | 15:43 |
| Trichloroethene           | < 2.00 | ug/L | 7/29/2015 | 15:43 |
| Trichlorofluoromethane    | < 2.00 | ug/L | 7/29/2015 | 15:43 |
| Vinyl chloride            | < 2.00 | ug/L | 7/29/2015 | 15:43 |

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | <b>98.5</b>             | 81.1 - 116    |                 | 7/29/2015 15:43      |
| 4-Bromofluorobenzene  | <b>89.8</b>             | 82.3 - 113    |                 | 7/29/2015 15:43      |
| Pentafluorobenzene    | <b>99.4</b>             | 91.1 - 110    |                 | 7/29/2015 15:43      |
| Toluene-D8            | <b>96.0</b>             | 91.4 - 106    |                 | 7/29/2015 15:43      |

**Method Reference(s):** EPA 8260C  
EPA 5030  
**Data File:** x25019.D



## Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

*"<" = Analyzed for but not detected at or above the quantitation limit.*

*"E" = Result has been estimated, calibration limit exceeded.*

*"Z" = See case narrative.*

*"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.*

*"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.*

*"B" = Method blank contained trace levels of analyte. Refer to included method blank report.*

*"J" = Result estimated between the quantitation limit and half the quantitation limit.*

*"L" = Laboratory Control Sample recovery outside accepted QC limits.*

*"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.*  
*"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.*

*"\*" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

*"(1)" = Indicates data from primary column used for QC calculation.*

# GENERAL TERMS AND CONDITIONS

## LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

### **Warranty.**

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

### **Scope and Compensation.**

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

### **Prices.**

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

### **Limitations of Liability.**

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

### **Hazard Disclosure.**

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

### **Sample Handling.**

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises. Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

### **Legal Responsibility.**

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

### **Assignment.**

LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

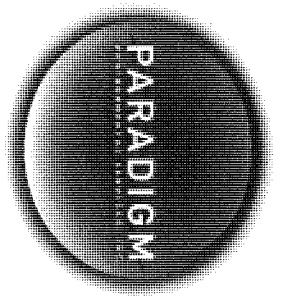
### **Force Majeure.**

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

### **Law.**

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



# CHAIN OF CUSTODY

1 of 2

|                                                        |  |                                                                                                                                                                             |  |
|--------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>REPORT TO:</b>                                      |  | <b>CLIENT:</b>                                                                                                                                                              |  |
| ADDRESS: <i>Lu Engineers</i>                           |  | ADDRESS: <i>175 Kelly's Trail Suite 202</i>                                                                                                                                 |  |
| CITY: <i>PHARAD</i> STATE: <i>NV</i> ZIP: <i>14834</i> |  | CITY: <i>SAUTE</i> STATE: ZIP:                                                                                                                                              |  |
| PHONE: <i>585-385-7417</i>                             |  | PHONE: ATTN:                                                                                                                                                                |  |
| ATTN: <i>Greg Andrus</i>                               |  | Matrix Codes: WA - Water, WG - Groundwater, DW - Drinking Water, WW - Wastewater, SO - Soil, SL - Sludge, SD - Solid, PT - Paint, WP - Wipe, CK - Caulk, OL - Oil, AR - Air |  |
| <b>PROJECT REFERENCE</b>                               |  | <b>INVOICE TO:</b>                                                                                                                                                          |  |
| <i>4216-06</i>                                         |  | LAB PROJECT ID: <i>153106</i>                                                                                                                                               |  |
|                                                        |  | Quotation #: <i>153106</i>                                                                                                                                                  |  |
|                                                        |  | Email: <i>gregandrus@lumparadigm.com</i>                                                                                                                                    |  |

| DATE COLLECTED | TIME COLLECTED | C O M P O S I T E | G R A B  | SAMPLE IDENTIFIER      | M A G A C T R I X | N O U N T B A I R E N E F S | REQUESTED ANALYSIS      | REMARKS                                                                                     | PARADIGM LAB SAMPLE NUMBER |
|----------------|----------------|-------------------|----------|------------------------|-------------------|-----------------------------|-------------------------|---------------------------------------------------------------------------------------------|----------------------------|
| <i>7/24/15</i> | <i>1:00</i>    | <i>X</i>          | <i>X</i> | <i>MW-23-072415</i>    | <i>WA</i>         | <i>2</i>                    | <i>RCRA metals PCBs</i> | <i>Cancel RCRA metals, PCBs, no samples received. Run VOA's only. Ok per GA. or 7/24/15</i> | <i>01</i>                  |
| <i>7/24/15</i> | <i>10:30</i>   | <i>X</i>          | <i>X</i> | <i>MW-26-072415</i>    | <i>WA</i>         | <i>2</i>                    |                         |                                                                                             | <i>02</i>                  |
| <i>7/24/15</i> | <i>11:00</i>   | <i>X</i>          | <i>X</i> | <i>MW-23-MS-072415</i> | <i>WA</i>         | <i>2</i>                    |                         |                                                                                             | <i>01</i>                  |
| <i>7/24/15</i> | <i>11:00</i>   | <i>X</i>          | <i>X</i> | <i>MW-23-MS-072415</i> | <i>WA</i>         | <i>2</i>                    |                         |                                                                                             | <i>01</i>                  |
| <i>7/24/15</i> | <i>9:30</i>    | <i>X</i>          | <i>X</i> | <i>MW-29-MS-072415</i> | <i>WA</i>         | <i>2</i>                    |                         |                                                                                             | <i>03</i>                  |
| <i>7/24/15</i> | <i>9:30</i>    | <i>X</i>          | <i>X</i> | <i>MW-27-072415</i>    | <i>WA</i>         | <i>2</i>                    |                         |                                                                                             | <i>04</i>                  |
| <i>7/24/15</i> | <i>10:00</i>   | <i>X</i>          | <i>X</i> | <i>MW-28-072415</i>    | <i>WA</i>         | <i>2</i>                    |                         |                                                                                             | <i>05</i>                  |
| <i>7/24/15</i> | <i>10:30</i>   | <i>X</i>          | <i>X</i> | <i>MW-22-072415</i>    | <i>WA</i>         | <i>2</i>                    |                         |                                                                                             | <i>06</i>                  |
| <i>7/24/15</i> | <i>11:00</i>   | <i>X</i>          | <i>X</i> | <i>MW-22-072415</i>    | <i>WA</i>         | <i>2</i>                    |                         |                                                                                             | <i>07</i>                  |
| <i>7/24/15</i> | <i>11:00</i>   | <i>X</i>          | <i>X</i> | <i>Blank Duplicate</i> | <i>WA</i>         | <i>1</i>                    |                         |                                                                                             | <i>08</i>                  |
| <i>7/24/15</i> | <i>11:00</i>   | <i>X</i>          | <i>X</i> | <i>Blank Duplicate</i> | <i>WA</i>         | <i>1</i>                    |                         |                                                                                             | <i>09</i>                  |

|                                                                       |                                     |                                                                        |                                |
|-----------------------------------------------------------------------|-------------------------------------|------------------------------------------------------------------------|--------------------------------|
| <b>Turnaround Time</b>                                                |                                     | <b>Report Supplements</b>                                              |                                |
| Availability contingent upon lab approval; additional fees may apply. |                                     | Basic EDD <input type="checkbox"/> NYSDEC EDD <input type="checkbox"/> |                                |
| Standard 5 day <input checked="" type="checkbox"/>                    | Batch QC <input type="checkbox"/>   | Other EDD <input type="checkbox"/>                                     | Other <input type="checkbox"/> |
| Rush 3 day <input type="checkbox"/>                                   | Category A <input type="checkbox"/> | Other EDD <input type="checkbox"/>                                     | Other <input type="checkbox"/> |
| Rush 2 day <input type="checkbox"/>                                   | Category B <input type="checkbox"/> | Other EDD <input type="checkbox"/>                                     | Other <input type="checkbox"/> |
| Rush 1 day <input type="checkbox"/>                                   | Other <input type="checkbox"/>      | Other EDD <input type="checkbox"/>                                     | Other <input type="checkbox"/> |
| Other <input type="checkbox"/>                                        | Other <input type="checkbox"/>      | Other EDD <input type="checkbox"/>                                     | Other <input type="checkbox"/> |

|                                    |                                 |
|------------------------------------|---------------------------------|
| Sampled By: <i>Tanna R. Steyer</i> | Date/Time: <i>7/24/15 12:10</i> |
| Relinquished By: <i>Dee Gaudin</i> | Date/Time: <i>7/24/15 12:10</i> |
| Received By: <i>AS</i>             | Date/Time: <i>7/24/15 16:33</i> |
| Received @ Lab By:                 | Date/Time:                      |

Total Cost:

PLF:

*13°C (iced) stored in the by 7/24/15 12:43*





### Chain of Custody Supplement

Client: Lu Engineers  
 Lab Project ID: 153106

Completed by: Glenn Pezzulo  
 Date: 7/24/15

**Sample Condition Requirements**  
 Per NELAC/ELAP 210/241/242/243/244

|                                            | <i>NELAC compliance with the sample condition requirements upon receipt</i> |                          |                                     |
|--------------------------------------------|-----------------------------------------------------------------------------|--------------------------|-------------------------------------|
| Condition                                  | Yes                                                                         | No                       | N/A                                 |
| Container Type                             | <input checked="" type="checkbox"/>                                         | <input type="checkbox"/> | <input type="checkbox"/>            |
| Comments                                   | _____                                                                       |                          |                                     |
| Transferred to method-compliant container  | <input type="checkbox"/>                                                    | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Headspace (<1 mL)                          | <input checked="" type="checkbox"/>                                         | <input type="checkbox"/> | <input type="checkbox"/>            |
| Comments                                   | _____                                                                       |                          |                                     |
| Preservation                               | <input checked="" type="checkbox"/>                                         | <input type="checkbox"/> | <input type="checkbox"/>            |
| Comments                                   | _____                                                                       |                          |                                     |
| Chlorine Absent (<0.10 ppm per test strip) | <input type="checkbox"/>                                                    | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Comments                                   | _____                                                                       |                          |                                     |
| Holding Time                               | <input checked="" type="checkbox"/>                                         | <input type="checkbox"/> | <input type="checkbox"/>            |
| Comments                                   | _____                                                                       |                          |                                     |
| Temperature                                | <input checked="" type="checkbox"/>                                         | <input type="checkbox"/> | <input type="checkbox"/>            |
| Comments                                   | <u>13°C iced started in field</u>                                           |                          |                                     |
| Sufficient Sample Quantity                 | <input checked="" type="checkbox"/>                                         | <input type="checkbox"/> | <input type="checkbox"/>            |
| Comments                                   | _____                                                                       |                          |                                     |



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

*Analytical Report For*  
**Lu Engineers, Inc.**

*For Lab Project ID*

**153268**

*Referencing*

**Orchard-Whitney 4216-06**

*Prepared*

**Tuesday, August 11, 2015**

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

A handwritten signature in black ink, appearing to read "K. R. Hansen", is written over a horizontal line. The signature is fluid and cursive.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Page 1 of 7

*Report Prepared Tuesday, August 11, 2015*



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-12

**Lab Sample ID:** 153268-01

**Date Sampled:** 7/16/2015

**Matrix:** Soil

**Date Received:** 8/4/2015

**Petroleum Hydrocarbons by GC**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| Medium weight PHC as Diesel | <b>711</b>    | mg/Kg        |                  | 8/10/2015 22:39      |
| Mineral Oil                 | <b>808</b>    | mg/Kg        |                  | 8/10/2015 22:39      |

*Sample chromatogram not an exact match to reference chromatogram for Diesel and Lube Oil. Closest match made.*

**Method Reference(s):** NYSDOH 310.13

**Preparation Date:** 8/10/2015

*ELAP does not offer this test for approval as part of their laboratory certification program.*



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-13

**Lab Sample ID:** 153268-02

**Matrix:** Soil

**Date Sampled:** 7/16/2015

**Date Received:** 8/4/2015

**Petroleum Hydrocarbons by GC**

| <b>Analyte</b>               | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|------------------------------|---------------|--------------|------------------|----------------------|
| Heavy weight PHC as Lube Oil | <b>50.0</b>   | mg/Kg        |                  | 8/11/2015 14:48      |

*Sample chromatogram not an exact match to reference chromatogram. Closest match made.*

**Method Reference(s):** NYSDOH 310.13

**Preparation Date:** 8/10/2015

*ELAP does not offer this test for approval as part of their laboratory certification program.*



## Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

*"<" = Analyzed for but not detected at or above the quantitation limit.*

*"E" = Result has been estimated, calibration limit exceeded.*

*"Z" = See case narrative.*

*"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.*

*"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.*

*"B" = Method blank contained trace levels of analyte. Refer to included method blank report.*

*"J" = Result estimated between the quantitation limit and half the quantitation limit.*

*"L" = Laboratory Control Sample recovery outside accepted QC limits.*

*"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.*  
*"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.*

*\*\*" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

*"(1)" = Indicates data from primary column used for QC calculation.*

# GENERAL TERMS AND CONDITIONS

## LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

### **Warranty.**

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

### **Scope and Compensation.**

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

### **Prices.**

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

### **Limitations of Liability.**

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

### **Hazard Disclosure.**

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

### **Sample Handling.**

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises. Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

### **Legal Responsibility.**

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

### **Assignment.**

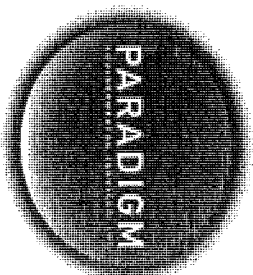
LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

### **Force Majeure.**

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

### **Law.**

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.



179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

**CHAIN OF CUSTODY**

Re logs: 153268

1/6/2

**REPORT TO:** CLIENT: W ENGINEERS ADDRESS: 175 South Main CITY: PITTSBURGH STATE: PA ZIP: 15234

**INVOICE TO:** CLIENT: STANLEY ADDRESS: 152980 CITY: STATE: ZIP: Quotation #:

**PROJECT REFERENCE:** Order & Whitney 4216-06

**Matrix Codes:** AQ - Aqueous Liquid, NA - Non-Aqueous Liquid, WA - Water, WG - Groundwater, DW - Drinking Water, WW - Wastewater, SO - Soil, SL - Sludge, SD - Solid, PT - Paint, WP - Wipe, CK - Caulk, OL - Oil, AR - Air

**ATTN:** Ar. Charentseff

**Requested Analysis:** TCL VOCs 26, PCRA 6020, PCB 808a

**LAB PROJECT ID:** 152980

**Email:** scharentseff@wengineers.com

| DATE COLLECTED | TIME COLLECTED | COMPOSITE | GRADES | SAMPLE IDENTIFIER | MACTESTS | NUMBERS | REQUESTED ANALYSIS | REMARKS                      | PARADIGM LAB SAMPLE NUMBER |
|----------------|----------------|-----------|--------|-------------------|----------|---------|--------------------|------------------------------|----------------------------|
| 1/11/15        | 0935           | X         |        | OW-TP-12          | SO       | 2       |                    | Per GA, relog samples        | 01                         |
| 2              | 1040           | X         |        | OW-TP-13          | SO       | 2       |                    | OW-TP-12 & OW-TP-13          | 02                         |
| 3              | 1140           | X         |        | OW-TP-14          | SO       | 2       |                    | For PHC, standard 5 days     | 03                         |
| 4              | 1310           | X         |        | OW-TP-15          | SO       | 2       |                    | turn, OK past holding times, | 04                         |
| 5              | 1340           | X         |        | OW-TP-16          | SO       | 2       |                    | not ASP. re 8/4/15           | 05                         |
| 6              |                |           |        |                   |          |         |                    |                              | 06                         |
| 7              |                |           |        |                   |          |         |                    |                              | 07                         |
| 8              |                |           |        |                   |          |         |                    |                              | 08                         |
| 9              |                |           |        |                   |          |         |                    |                              | 09                         |
| 10             |                |           |        |                   |          |         |                    |                              | 10                         |

**Turnaround Time**

Standard 5 day  Rush 3 day  Rush 2 day  Rush 1 day  Other

**Report Supplements**

Basic EDD  NYSDEC EDD  Other EDD

Batch QC  Category A  Category B  Other

**Sampled By:** Ar. Charentseff 7/16/15 1340

**Reinforced By:** Ar. Charentseff 7/16/15 1443

**Received By:** Ar. Charentseff 7/16/15 17:02

**Received @ Lab By:** Ar. Charentseff 7/16/15 17:02

**Total Cost:** 8/4/15 17:07

Re logs: 153268



Re log: 153268

Chain of Custody Supplement

Client: Lu Engineers Completed by: Glen Pezzulo  
 Lab Project ID: 152980 Date: 7/17/15

**Sample Condition Requirements**  
 Per NELAC/ELAP 210/241/242/243/244

| Condition                                  | NELAC compliance with the sample condition requirements upon receipt |                                                             |                                                            |
|--------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|
|                                            | Yes                                                                  | No                                                          | N/A                                                        |
| Container Type                             | <input checked="" type="checkbox"/>                                  | <input checked="" type="checkbox"/> 5035<br>relog GP 8/4/15 | <input type="checkbox"/>                                   |
| Comments                                   |                                                                      |                                                             |                                                            |
| Transferred to method-compliant container  | <input type="checkbox"/>                                             | <input type="checkbox"/>                                    | <input checked="" type="checkbox"/>                        |
| Headspace (<1 mL)                          | <input type="checkbox"/>                                             | <input type="checkbox"/>                                    | <input checked="" type="checkbox"/>                        |
| Comments                                   |                                                                      |                                                             |                                                            |
| Preservation                               | <input type="checkbox"/>                                             | <input type="checkbox"/>                                    | <input checked="" type="checkbox"/>                        |
| Comments                                   |                                                                      |                                                             |                                                            |
| Chlorine Absent (<0.10 ppm per test strip) | <input type="checkbox"/>                                             | <input type="checkbox"/>                                    | <input checked="" type="checkbox"/>                        |
| Comments                                   |                                                                      |                                                             |                                                            |
| Holding Time                               | <input checked="" type="checkbox"/>                                  | <input checked="" type="checkbox"/>                         | <input type="checkbox"/>                                   |
| Comments                                   | re log GP 8/4/15<br>Ok to run PHC post holding time.                 |                                                             |                                                            |
| Temperature                                | <input checked="" type="checkbox"/>                                  | <input type="checkbox"/>                                    | <input checked="" type="checkbox"/> mkt 5 re log GP 8/4/15 |
| Comments                                   | 8°C iced started in field                                            |                                                             |                                                            |
| Sufficient Sample Quantity                 | <input checked="" type="checkbox"/>                                  | <input type="checkbox"/>                                    | <input type="checkbox"/>                                   |
| Comments                                   |                                                                      |                                                             |                                                            |





**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

*Analytical Report For*  
**Lu Engineers, Inc.**

*For Lab Project ID*

**153267**

*Referencing*

**Orchard-Whitney 4216-06**

*Prepared*

**Tuesday, August 11, 2015**

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

A handwritten signature in black ink, reading "K. P. Hansen", is written over a horizontal line. The signature is fluid and cursive.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Page 1 of 6

*Report Prepared Tuesday, August 11, 2015*



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-06

**Sample Identifier:** OW-TP-10

**Lab Sample ID:** 153267-01

**Matrix:** Soil

**Date Sampled:** 7/15/2015

**Date Received:** 8/4/2015

**Petroleum Hydrocarbons by GC**

| <b>Analyte</b>               | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|------------------------------|---------------|--------------|------------------|----------------------|
| Heavy weight PHC as Lube Oil | <b>143</b>    | mg/Kg        |                  | 8/10/2015 21:56      |
| Medium weight PHC as Diesel  | <b>523</b>    | mg/Kg        |                  | 8/10/2015 21:56      |
| Mineral Oil                  | <b>504</b>    | mg/Kg        |                  | 8/10/2015 21:56      |

*Sample chromatogram not an exact match to reference chromatogram for Diesel, Mineral Oil, and Lube Oil. Closest match made.*

**Method Reference(s):** NYSDOH 310.13

**Preparation Date:** 8/10/2015

*ELAP does not offer this test for approval as part of their laboratory certification program.*



## Analytical Report Appendix

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*"E" = Result has been estimated, calibration limit exceeded.*

*"Z" = See case narrative.*

*"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.*

*"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.*

*"B" = Method blank contained trace levels of analyte. Refer to included method blank report.*

*"J" = Result estimated between the quantitation limit and half the quantitation limit.*

*"L" = Laboratory Control Sample recovery outside accepted QC limits.*

*"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.*  
*"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.*

*"\*" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

*"(1)" = Indicates data from primary column used for QC calculation.*

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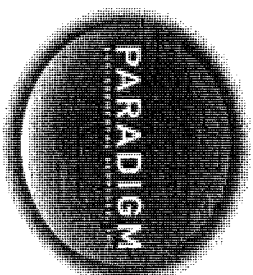
# GENERAL TERMS AND CONDITIONS

## LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

- Warranty.** Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.
- Scope and Compensation.** LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order. Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.
- Prices.** Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.
- Limitations of Liability.** In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services. LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results. All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB. Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.
- Hazard Disclosure.** Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.
- Sample Handling.** Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises. Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report. Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples. LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.
- Legal Responsibility.** LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.
- Assignment.** LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.
- Force Majeure.** LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.
- Law.** This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

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179 Lake Avenue, Rochester, NY 14608 Office (585) 547-2530 Fax (585) 547-3311

**CHAIN OF CUSTODY**

Relogs: 153267

1 of 2

**REPORT TO:**

**INVOICE TO:**

CLIENT: LA ENGENEAS ADDRESS: 152950  
 ADDRESS: PK SWIFT MA 202 CITY: MAINE  
 CITY: PITTSFORD NY 14534 STATE: NY STATE: MAINE  
 PHONE: (585) 385-7114 PHONE:  ZIP:  ZIP:

LAB PROJECT ID

Quotation #:

Email:

achere@wct.com

PROJECT REFERENCE  
 Decard - Wmery  
 426-06

ATTN: Agri Chemicals  
 Matrix Codes: AQ - Aqueous Liquid  
 NA - Non-Aqueous Liquid

WA - Water WG - Groundwater  
 DW - Drinking Water  
 WW - Wastewater

SO - Soil SL - Sludge  
 SP - Solid PT - Paint  
 WP - Wipe CK - Caulk

OL - Oil AR - Air  
 REQUESTED ANALYSIS

| DATE COLLECTED | TIME COLLECTED | COMPOSITE | GARAB | SAMPLE IDENTIFIER            | MAGNETIC RESISTANCE | CONTAMINANTS | REQUESTED ANALYSIS                                                                                                 | PARADIGM LAB SAMPLE NUMBER |
|----------------|----------------|-----------|-------|------------------------------|---------------------|--------------|--------------------------------------------------------------------------------------------------------------------|----------------------------|
| 1 7/15/15      | 1020           | X         | X     | DW-TP-09                     | SO                  | 2            | Per GA, re log sample<br>DW-TP-10 for PHC,<br>standard 5 day turn, OK<br>post holding time, not ASP.<br>of 8/14/15 | 01                         |
| 2 7/15/15      | 1230           | X         | X     | DW-TP-10                     | SO                  | 2            |                                                                                                                    | 01                         |
| 3 7/15/15      | 1230           | X         | X     | DW-TP-10-H                   | SO                  | 1            | Soils/Sludge                                                                                                       | 0.3                        |
| 4 7/15/15      | 1400           | X         | X     | <del>DW-TP-10</del> DW-TP-11 | SO                  | 2            |                                                                                                                    | 0.4                        |
| 5 7/15/15      | -              | X         | X     | DW-BD-01                     | SO                  | 2            |                                                                                                                    | 0.5                        |
| 6              |                |           |       |                              |                     |              |                                                                                                                    |                            |
| 7              |                |           |       |                              |                     |              |                                                                                                                    |                            |
| 8              |                |           |       |                              |                     |              |                                                                                                                    |                            |
| 9              |                |           |       |                              |                     |              |                                                                                                                    |                            |
| 10             |                |           |       |                              |                     |              |                                                                                                                    |                            |

Turnaround Time Report Supplements

Availability contingent upon lab approval; additional fees may apply.

Standard 5 day  Batch QC  Basic EDD   
 Rush 3 day  Category A  NYSDEC EDD   
 Rush 2 day  Category B   
 Rush 1 day   
 Other  Other EDD   
 please indicate: please indicate:

ACHERE  
 Sampled By: [Signature] Date/Time: 7/15/15 14:30

Relinquished By: [Signature] Date/Time: 7/15/15 15:09

Received By: [Signature] Date/Time: 7/15/15 15:02

Received @ Lab By: [Signature] Date/Time: 7/15/15 16:09

Total Cost:

PLF

13°C iced start in field  
 Custody Seals w/14, samples delivered by client of 7/15/15  
 Relogs: AP 8/14/15 17:00

Re log: 153267



Chain of Custody Supplement

Client: Lu Engineers Completed by: Glenn Pezzulo  
 Lab Project ID: 152950 Date: 7/15/15

**Sample Condition Requirements**  
 Per NELAC/ELAP 210/241/242/243/244

| Condition                                  | NELAC compliance with the sample condition requirements upon receipt  |                                                                            |                                                            |
|--------------------------------------------|-----------------------------------------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------|
|                                            | Yes                                                                   | No                                                                         | N/A                                                        |
| Container Type                             | <input checked="" type="checkbox"/>                                   | <input checked="" type="checkbox"/> <i>5035 relog GP 8/4/15</i>            | <input type="checkbox"/>                                   |
| Comments                                   |                                                                       |                                                                            |                                                            |
| Transferred to method-compliant container  | <input type="checkbox"/>                                              | <input type="checkbox"/>                                                   | <input checked="" type="checkbox"/>                        |
| Headspace (<1 mL)                          | <input type="checkbox"/>                                              | <input type="checkbox"/>                                                   | <input checked="" type="checkbox"/>                        |
| Comments                                   |                                                                       |                                                                            |                                                            |
| Preservation                               | <input type="checkbox"/>                                              | <input type="checkbox"/>                                                   | <input checked="" type="checkbox"/>                        |
| Comments                                   |                                                                       |                                                                            |                                                            |
| Chlorine Absent (<0.10 ppm per test strip) | <input type="checkbox"/>                                              | <input type="checkbox"/>                                                   | <input checked="" type="checkbox"/>                        |
| Comments                                   |                                                                       |                                                                            |                                                            |
| Holding Time                               | <input checked="" type="checkbox"/> <i>relog GP 8/4/15</i>            | <input checked="" type="checkbox"/> <i>OK to run PHC test holding time</i> | <input type="checkbox"/>                                   |
| Comments                                   |                                                                       |                                                                            |                                                            |
| Temperature                                | <input checked="" type="checkbox"/> <i>13°C iced started in field</i> | <input type="checkbox"/>                                                   | <input checked="" type="checkbox"/> <i>relog GP 8/4/15</i> |
| Comments                                   |                                                                       |                                                                            |                                                            |
| Sufficient Sample Quantity                 | <input checked="" type="checkbox"/>                                   | <input type="checkbox"/>                                                   | <input type="checkbox"/>                                   |
| Comments                                   |                                                                       |                                                                            |                                                            |



**Lab Project ID:** 154358

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard Whitney 4216-07

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**Sample Identifier:** OW-BOT-03-101415

**Lab Sample ID:** 154358-01

**Date Sampled:** 10/14/2015

**Matrix:** Soil

**Date Received:** 10/14/2015

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**Mercury**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| Mercury                     | <b>0.119</b>  | mg/Kg        |                  | 10/15/2015 13:58     |
| <b>Method Reference(s):</b> | EPA 7471B     |              |                  |                      |
| <b>Preparation Date:</b>    | 10/15/2015    |              |                  |                      |
| <b>Data File:</b>           | Hg151015A     |              |                  |                      |

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*Report Prepared Friday, October 16, 2015*



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard Whitney 4216-07

**Sample Identifier:** OW-BOT-03-101415

**Lab Sample ID:** 154358-01

**Date Sampled:** 10/14/2015

**Matrix:** Soil

**Date Received:** 10/14/2015

**RCRA Metals (ICP)**

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic        | <b>5.03</b>   | mg/Kg        |                  | 10/15/2015 20:09     |
| Barium         | <b>296</b>    | mg/Kg        |                  | 10/15/2015 20:09     |
| Cadmium        | <b>3.07</b>   | mg/Kg        |                  | 10/15/2015 20:09     |
| Chromium       | <b>14.1</b>   | mg/Kg        |                  | 10/15/2015 20:09     |
| Lead           | <b>25.9</b>   | mg/Kg        |                  | 10/15/2015 20:09     |
| Selenium       | < 0.617       | mg/Kg        |                  | 10/15/2015 20:09     |
| Silver         | < 0.617       | mg/Kg        |                  | 10/15/2015 20:09     |

**Method Reference(s):** EPA 6010C  
EPA 3050  
**Preparation Date:** 10/15/2015  
**Data File:** 101515c

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Lab Project ID: 154358

Client: Lu Engineers, Inc.

Project Reference: Orchard Whitney 4216-07

Sample Identifier: OW-BOT-03-101415

Lab Sample ID: 154358-01

Date Sampled: 10/14/2015

Matrix: Soil

Date Received: 10/14/2015

Volatile Organics

| Analyte                     | Result | Units | Qualifier | Date Analyzed    |
|-----------------------------|--------|-------|-----------|------------------|
| 1,1,1-Trichloroethane       | < 4.61 | ug/Kg |           | 10/14/2015 15:36 |
| 1,1,2,2-Tetrachloroethane   | < 4.61 | ug/Kg |           | 10/14/2015 15:36 |
| 1,1,2-Trichloroethane       | < 4.61 | ug/Kg |           | 10/14/2015 15:36 |
| 1,1-Dichloroethane          | < 4.61 | ug/Kg |           | 10/14/2015 15:36 |
| 1,1-Dichloroethene          | < 4.61 | ug/Kg |           | 10/14/2015 15:36 |
| 1,2,3-Trichlorobenzene      | < 11.5 | ug/Kg |           | 10/14/2015 15:36 |
| 1,2,4-Trichlorobenzene      | < 11.5 | ug/Kg |           | 10/14/2015 15:36 |
| 1,2-Dibromo-3-Chloropropane | < 23.0 | ug/Kg |           | 10/14/2015 15:36 |
| 1,2-Dibromoethane           | < 4.61 | ug/Kg |           | 10/14/2015 15:36 |
| 1,2-Dichlorobenzene         | < 4.61 | ug/Kg |           | 10/14/2015 15:36 |
| 1,2-Dichloroethane          | < 4.61 | ug/Kg |           | 10/14/2015 15:36 |
| 1,2-Dichloropropane         | < 4.61 | ug/Kg |           | 10/14/2015 15:36 |
| 1,3-Dichlorobenzene         | < 4.61 | ug/Kg |           | 10/14/2015 15:36 |
| 1,4-Dichlorobenzene         | < 4.61 | ug/Kg |           | 10/14/2015 15:36 |
| 1,4-dioxane                 | < 46.1 | ug/Kg |           | 10/14/2015 15:36 |
| 2-Butanone                  | < 23.0 | ug/Kg |           | 10/14/2015 15:36 |
| 2-Hexanone                  | < 11.5 | ug/Kg |           | 10/14/2015 15:36 |
| 4-Methyl-2-pentanone        | < 11.5 | ug/Kg |           | 10/14/2015 15:36 |
| Acetone                     | < 23.0 | ug/Kg |           | 10/14/2015 15:36 |
| Benzene                     | < 4.61 | ug/Kg |           | 10/14/2015 15:36 |
| Bromochloromethane          | < 11.5 | ug/Kg |           | 10/14/2015 15:36 |
| Bromodichloromethane        | < 4.61 | ug/Kg |           | 10/14/2015 15:36 |
| Bromoform                   | < 11.5 | ug/Kg |           | 10/14/2015 15:36 |
| Bromomethane                | < 4.61 | ug/Kg |           | 10/14/2015 15:36 |
| Carbon disulfide            | < 4.61 | ug/Kg |           | 10/14/2015 15:36 |
| Carbon Tetrachloride        | < 4.61 | ug/Kg |           | 10/14/2015 15:36 |
| Chlorobenzene               | < 4.61 | ug/Kg |           | 10/14/2015 15:36 |

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Report Prepared Friday, October 16, 2015



Lab Project ID: 154358

Client: Lu Engineers, Inc.

Project Reference: Orchard Whitney 4216-07

|                           |                  |       |  |                       |            |
|---------------------------|------------------|-------|--|-----------------------|------------|
| <b>Sample Identifier:</b> | OW-BOT-03-101415 |       |  |                       |            |
| <b>Lab Sample ID:</b>     | 154358-01        |       |  | <b>Date Sampled:</b>  | 10/14/2015 |
| <b>Matrix:</b>            | Soil             |       |  | <b>Date Received:</b> | 10/14/2015 |
| Chloroethane              | < 4.61           | ug/Kg |  | 10/14/2015            | 15:36      |
| Chloroform                | < 4.61           | ug/Kg |  | 10/14/2015            | 15:36      |
| Chloromethane             | < 4.61           | ug/Kg |  | 10/14/2015            | 15:36      |
| cis-1,2-Dichloroethene    | < 4.61           | ug/Kg |  | 10/14/2015            | 15:36      |
| cis-1,3-Dichloropropene   | < 4.61           | ug/Kg |  | 10/14/2015            | 15:36      |
| Cyclohexane               | < 23.0           | ug/Kg |  | 10/14/2015            | 15:36      |
| Dibromochloromethane      | < 4.61           | ug/Kg |  | 10/14/2015            | 15:36      |
| Dichlorodifluoromethane   | < 4.61           | ug/Kg |  | 10/14/2015            | 15:36      |
| Ethylbenzene              | < 4.61           | ug/Kg |  | 10/14/2015            | 15:36      |
| Freon 113                 | < 4.61           | ug/Kg |  | 10/14/2015            | 15:36      |
| Isopropylbenzene          | < 4.61           | ug/Kg |  | 10/14/2015            | 15:36      |
| m,p-Xylene                | < 4.61           | ug/Kg |  | 10/14/2015            | 15:36      |
| Methyl acetate            | < 4.61           | ug/Kg |  | 10/14/2015            | 15:36      |
| Methyl tert-butyl Ether   | < 4.61           | ug/Kg |  | 10/14/2015            | 15:36      |
| Methylcyclohexane         | <b>50.8</b>      | ug/Kg |  | 10/14/2015            | 15:36      |
| Methylene chloride        | < 11.5           | ug/Kg |  | 10/14/2015            | 15:36      |
| o-Xylene                  | < 4.61           | ug/Kg |  | 10/14/2015            | 15:36      |
| Styrene                   | < 11.5           | ug/Kg |  | 10/14/2015            | 15:36      |
| Tetrachloroethene         | < 4.61           | ug/Kg |  | 10/14/2015            | 15:36      |
| Toluene                   | < 4.61           | ug/Kg |  | 10/14/2015            | 15:36      |
| trans-1,2-Dichloroethene  | < 4.61           | ug/Kg |  | 10/14/2015            | 15:36      |
| trans-1,3-Dichloropropene | < 4.61           | ug/Kg |  | 10/14/2015            | 15:36      |
| Trichloroethene           | < 4.61           | ug/Kg |  | 10/14/2015            | 15:36      |
| Trichlorofluoromethane    | < 4.61           | ug/Kg |  | 10/14/2015            | 15:36      |
| Vinyl chloride            | < 4.61           | ug/Kg |  | 10/14/2015            | 15:36      |

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Report Prepared Friday, October 16, 2015



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard Whitney 4216-07

**Sample Identifier:** OW-BOT-03-101415

**Lab Sample ID:** 154358-01

**Date Sampled:** 10/14/2015

**Matrix:** Soil

**Date Received:** 10/14/2015

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | <b>101</b>              | 81.1 - 127    |                 | 10/14/2015 15:36     |
| 4-Bromofluorobenzene  | <b>113</b>              | 83 - 114      |                 | 10/14/2015 15:36     |
| Pentafluorobenzene    | <b>97.6</b>             | 91.8 - 110    |                 | 10/14/2015 15:36     |
| Toluene-D8            | <b>103</b>              | 91 - 107      |                 | 10/14/2015 15:36     |

**Method Reference(s):** EPA 8260C  
EPA 5035

**Data File:** x26893.D

*This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.*



**Lab Project ID:** 154358

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard Whitney 4216-07

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**Sample Identifier:** OW-SW-04-101415

**Lab Sample ID:** 154358-02

**Date Sampled:** 10/14/2015

**Matrix:** Soil

**Date Received:** 10/14/2015

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**Mercury**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| Mercury                     | <b>0.0127</b> | mg/Kg        |                  | 10/15/2015 14:12     |
| <b>Method Reference(s):</b> | EPA 7471B     |              |                  |                      |
| <b>Preparation Date:</b>    | 10/15/2015    |              |                  |                      |
| <b>Data File:</b>           | Hg151015A     |              |                  |                      |

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*Report Prepared Friday, October 16, 2015*



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard Whitney 4216-07

**Sample Identifier:** OW-SW-04-101415

**Lab Sample ID:** 154358-02

**Date Sampled:** 10/14/2015

**Matrix:** Soil

**Date Received:** 10/14/2015

**RCRA Metals (ICP)**

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic        | <b>1.69</b>   | mg/Kg        | D                | 10/15/2015 20:13     |
| Barium         | <b>20.0</b>   | mg/Kg        |                  | 10/15/2015 20:13     |
| Cadmium        | < 0.260       | mg/Kg        |                  | 10/15/2015 20:13     |
| Chromium       | <b>6.98</b>   | mg/Kg        |                  | 10/15/2015 20:13     |
| Lead           | <b>3.00</b>   | mg/Kg        | D                | 10/15/2015 20:13     |
| Selenium       | < 0.520       | mg/Kg        |                  | 10/15/2015 20:13     |
| Silver         | < 0.520       | mg/Kg        |                  | 10/15/2015 20:13     |

**Method Reference(s):** EPA 6010C  
EPA 3050  
**Preparation Date:** 10/15/2015  
**Data File:** 101515c

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**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard Whitney 4216-07

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**Sample Identifier:** OW-SW-04-101415

**Lab Sample ID:** 154358-02

**Date Sampled:** 10/14/2015

**Matrix:** Soil

**Date Received:** 10/14/2015

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**Volatile Organics**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| 1,1,1-Trichloroethane       | < 3.74        | ug/Kg        |                  | 10/14/2015 15:12     |
| 1,1,2,2-Tetrachloroethane   | < 3.74        | ug/Kg        |                  | 10/14/2015 15:12     |
| 1,1,2-Trichloroethane       | < 3.74        | ug/Kg        |                  | 10/14/2015 15:12     |
| 1,1-Dichloroethane          | < 3.74        | ug/Kg        |                  | 10/14/2015 15:12     |
| 1,1-Dichloroethene          | < 3.74        | ug/Kg        |                  | 10/14/2015 15:12     |
| 1,2,3-Trichlorobenzene      | < 9.35        | ug/Kg        |                  | 10/14/2015 15:12     |
| 1,2,4-Trichlorobenzene      | < 9.35        | ug/Kg        |                  | 10/14/2015 15:12     |
| 1,2-Dibromo-3-Chloropropane | < 18.7        | ug/Kg        |                  | 10/14/2015 15:12     |
| 1,2-Dibromoethane           | < 3.74        | ug/Kg        |                  | 10/14/2015 15:12     |
| 1,2-Dichlorobenzene         | < 3.74        | ug/Kg        |                  | 10/14/2015 15:12     |
| 1,2-Dichloroethane          | < 3.74        | ug/Kg        |                  | 10/14/2015 15:12     |
| 1,2-Dichloropropane         | < 3.74        | ug/Kg        |                  | 10/14/2015 15:12     |
| 1,3-Dichlorobenzene         | < 3.74        | ug/Kg        |                  | 10/14/2015 15:12     |
| 1,4-Dichlorobenzene         | < 3.74        | ug/Kg        |                  | 10/14/2015 15:12     |
| 1,4-dioxane                 | < 37.4        | ug/Kg        |                  | 10/14/2015 15:12     |
| 2-Butanone                  | < 18.7        | ug/Kg        |                  | 10/14/2015 15:12     |
| 2-Hexanone                  | < 9.35        | ug/Kg        |                  | 10/14/2015 15:12     |
| 4-Methyl-2-pentanone        | < 9.35        | ug/Kg        |                  | 10/14/2015 15:12     |
| Acetone                     | < 18.7        | ug/Kg        |                  | 10/14/2015 15:12     |
| Benzene                     | < 3.74        | ug/Kg        |                  | 10/14/2015 15:12     |
| Bromochloromethane          | < 9.35        | ug/Kg        |                  | 10/14/2015 15:12     |
| Bromodichloromethane        | < 3.74        | ug/Kg        |                  | 10/14/2015 15:12     |
| Bromoform                   | < 9.35        | ug/Kg        |                  | 10/14/2015 15:12     |
| Bromomethane                | < 3.74        | ug/Kg        |                  | 10/14/2015 15:12     |
| Carbon disulfide            | < 3.74        | ug/Kg        |                  | 10/14/2015 15:12     |
| Carbon Tetrachloride        | < 3.74        | ug/Kg        |                  | 10/14/2015 15:12     |
| Chlorobenzene               | < 3.74        | ug/Kg        |                  | 10/14/2015 15:12     |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Lab Project ID: 154358

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard Whitney 4216-07

**Sample Identifier:** OW-SW-04-101415

**Lab Sample ID:** 154358-02

**Date Sampled:** 10/14/2015

**Matrix:** Soil

**Date Received:** 10/14/2015

|                           |        |       |            |       |
|---------------------------|--------|-------|------------|-------|
| Chloroethane              | < 3.74 | ug/Kg | 10/14/2015 | 15:12 |
| Chloroform                | < 3.74 | ug/Kg | 10/14/2015 | 15:12 |
| Chloromethane             | < 3.74 | ug/Kg | 10/14/2015 | 15:12 |
| cis-1,2-Dichloroethene    | < 3.74 | ug/Kg | 10/14/2015 | 15:12 |
| cis-1,3-Dichloropropene   | < 3.74 | ug/Kg | 10/14/2015 | 15:12 |
| Cyclohexane               | < 18.7 | ug/Kg | 10/14/2015 | 15:12 |
| Dibromochloromethane      | < 3.74 | ug/Kg | 10/14/2015 | 15:12 |
| Dichlorodifluoromethane   | < 3.74 | ug/Kg | 10/14/2015 | 15:12 |
| Ethylbenzene              | < 3.74 | ug/Kg | 10/14/2015 | 15:12 |
| Freon 113                 | < 3.74 | ug/Kg | 10/14/2015 | 15:12 |
| Isopropylbenzene          | < 3.74 | ug/Kg | 10/14/2015 | 15:12 |
| m,p-Xylene                | < 3.74 | ug/Kg | 10/14/2015 | 15:12 |
| Methyl acetate            | < 3.74 | ug/Kg | 10/14/2015 | 15:12 |
| Methyl tert-butyl Ether   | < 3.74 | ug/Kg | 10/14/2015 | 15:12 |
| Methylcyclohexane         | < 3.74 | ug/Kg | 10/14/2015 | 15:12 |
| Methylene chloride        | < 9.35 | ug/Kg | 10/14/2015 | 15:12 |
| o-Xylene                  | < 3.74 | ug/Kg | 10/14/2015 | 15:12 |
| Styrene                   | < 9.35 | ug/Kg | 10/14/2015 | 15:12 |
| Tetrachloroethene         | < 3.74 | ug/Kg | 10/14/2015 | 15:12 |
| Toluene                   | < 3.74 | ug/Kg | 10/14/2015 | 15:12 |
| trans-1,2-Dichloroethene  | < 3.74 | ug/Kg | 10/14/2015 | 15:12 |
| trans-1,3-Dichloropropene | < 3.74 | ug/Kg | 10/14/2015 | 15:12 |
| Trichloroethene           | < 3.74 | ug/Kg | 10/14/2015 | 15:12 |
| Trichlorofluoromethane    | < 3.74 | ug/Kg | 10/14/2015 | 15:12 |
| Vinyl chloride            | < 3.74 | ug/Kg | 10/14/2015 | 15:12 |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, October 16, 2015



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard Whitney 4216-07

**Sample Identifier:** OW-SW-04-101415

**Lab Sample ID:** 154358-02

**Date Sampled:** 10/14/2015

**Matrix:** Soil

**Date Received:** 10/14/2015

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | <b>102</b>              | 81.1 - 127    |                 | 10/14/2015 15:12     |
| 4-Bromofluorobenzene  | <b>94.7</b>             | 83 - 114      |                 | 10/14/2015 15:12     |
| Pentafluorobenzene    | <b>95.4</b>             | 91.8 - 110    |                 | 10/14/2015 15:12     |
| Toluene-D8            | <b>97.4</b>             | 91 - 107      |                 | 10/14/2015 15:12     |

**Method Reference(s):** EPA 8260C  
EPA 5035

**Data File:** x26892.D

*This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.*





## Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

*"<" = Analyzed for but not detected at or above the quantitation limit.*

*"E" = Result has been estimated, calibration limit exceeded.*

*"Z" = See case narrative.*

*"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.*

*"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.*

*"B" = Method blank contained trace levels of analyte. Refer to included method blank report.*

*"J" = Result estimated between the quantitation limit and half the quantitation limit.*

*"L" = Laboratory Control Sample recovery outside accepted QC limits.*

*"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.*  
*"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.*

*"\*" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

*"(1)" = Indicates data from primary column used for QC calculation.*

*"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.*

*"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.*

# GENERAL TERMS AND CONDITIONS

## LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term, or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

### **Warranty.**

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

### **Scope and Compensation.**

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

### **Prices.**

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

### **Limitations of Liability.**

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

### **Hazard Disclosure.**

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

### **Sample Handling.**

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises. Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

### **Legal Responsibility.**

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

### **Assignment.**

LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

### **Force Majeure.**

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

### **Law.**

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

# CHAIN OF CUSTODY



|                                                  |  |                                              |  |                                            |  |                                    |  |
|--------------------------------------------------|--|----------------------------------------------|--|--------------------------------------------|--|------------------------------------|--|
| <b>REPORT TO:</b>                                |  | <b>CLIENT:</b>                               |  | <b>INVOICE TO:</b>                         |  | <b>LAB PROJECT ID</b>              |  |
| ADDRESS: <u>179 SUDDY WAY 201</u>                |  | ADDRESS: <u>154 358</u>                      |  | ADDRESS: <u>154 358</u>                    |  | Quotation #: <u>MS D21111A</u>     |  |
| CITY: <u>PINEBURG NY</u>                         |  | CITY: <u>STATE</u>                           |  | CITY: <u>STATE</u>                         |  | Email: <u>gandrus@wengiers.com</u> |  |
| STATE: <u>NY</u>                                 |  | STATE: <u>NY</u>                             |  | STATE: <u>NY</u>                           |  | Order number: <u>Qwegriners</u>    |  |
| ZIP: <u>14534</u>                                |  | ZIP: <u>14534</u>                            |  | ZIP: <u>14534</u>                          |  |                                    |  |
| PHONE: <u>(585) 385-7417</u>                     |  | PHONE: <u>(585) 385-7417</u>                 |  | PHONE: <u>(585) 385-7417</u>               |  |                                    |  |
| ATTN: <u>Greg Andrus / Anil Chatterjee</u>       |  | ATTN: <u>Greg Andrus / Anil Chatterjee</u>   |  | ATTN: <u>Greg Andrus / Anil Chatterjee</u> |  |                                    |  |
| PROJECT REFERENCE: <u>Orchard Whitney 424-07</u> |  | Matrix Codes: <u>AA - Aqueous Liquid</u>     |  | Matrix Codes: <u>WA - Water</u>            |  | Matrix Codes: <u>SD - Solid</u>    |  |
|                                                  |  | Matrix Codes: <u>NQ - Non-Aqueous Liquid</u> |  | Matrix Codes: <u>WG - Groundwater</u>      |  | Matrix Codes: <u>PT - Paint</u>    |  |
|                                                  |  |                                              |  | Matrix Codes: <u>DW - Drinking Water</u>   |  | Matrix Codes: <u>WP - Wipe</u>     |  |
|                                                  |  |                                              |  | Matrix Codes: <u>WW - Wastewater</u>       |  | Matrix Codes: <u>CK - Caulk</u>    |  |
|                                                  |  |                                              |  | Matrix Codes: <u>SO - Soil</u>             |  | Matrix Codes: <u>OL - Oil</u>      |  |
|                                                  |  |                                              |  | Matrix Codes: <u>SL - Sludge</u>           |  | Matrix Codes: <u>AR - Air</u>      |  |

| DATE COLLECTED | TIME COLLECTED | COMPOSITE | GRADES | SAMPLE IDENTIFIER | MATERIALS | NUMBERS | REQUESTED ANALYSIS | REMARKS | PARADIGM LAB SAMPLE NUMBER |
|----------------|----------------|-----------|--------|-------------------|-----------|---------|--------------------|---------|----------------------------|
| 10/14/15       | 0915           |           | X      | OW-BOT-03-101415  | SO        | 1       | X                  |         | 01                         |
| 10/14/15       | 1100           |           | X      | OW-SW-04-101415   | SO        | 1       | X                  |         | 02                         |
|                |                |           |        |                   |           |         |                    |         |                            |
|                |                |           |        |                   |           |         |                    |         |                            |
|                |                |           |        |                   |           |         |                    |         |                            |
|                |                |           |        |                   |           |         |                    |         |                            |
|                |                |           |        |                   |           |         |                    |         |                            |
|                |                |           |        |                   |           |         |                    |         |                            |
|                |                |           |        |                   |           |         |                    |         |                            |
|                |                |           |        |                   |           |         |                    |         |                            |
|                |                |           |        |                   |           |         |                    |         |                            |

|                                                                       |                                     |                           |                                     |
|-----------------------------------------------------------------------|-------------------------------------|---------------------------|-------------------------------------|
| <b>Turnaround Time</b>                                                |                                     | <b>Report Supplements</b> |                                     |
| Availability contingent upon lab approval; additional fees may apply. |                                     |                           |                                     |
| Standard 5 day                                                        | <input type="checkbox"/>            | Batch QC                  | <input type="checkbox"/>            |
| Rush 3 day                                                            | <input type="checkbox"/>            | Category A                | <input type="checkbox"/>            |
| Rush 2 day                                                            | <input checked="" type="checkbox"/> | Category B                | <input checked="" type="checkbox"/> |
| Rush 1 day                                                            | <input type="checkbox"/>            | Other                     | <input type="checkbox"/>            |
| Other                                                                 | <input type="checkbox"/>            | Other EDD                 | <input type="checkbox"/>            |
| please indicate: _____                                                |                                     | please indicate: _____    |                                     |

|                                       |                                  |
|---------------------------------------|----------------------------------|
| Sampled By: <u>AZI CHEDENISTKA</u>    | Date/Time: <u>10/14/15 1350</u>  |
| Reinstated By: <u>W. Englers</u>      | Date/Time: <u>10/14/15 1405</u>  |
| Received By: <u>[Signature]</u>       | Date/Time: <u>10/14/15 1405</u>  |
| Received @ Lab By: <u>[Signature]</u> | Date/Time: <u>10/14/15 14:22</u> |

Total Cost:

P.L.F.

Specs started on field 10/14/15 14:18  
Custody Seal N/A, samples identified by client 6P 10/14/15



### Chain of Custody Supplement

Client: Lu Engineers

Completed by: Glenn Pezzullo

Lab Project ID: 154358

Date: 10/14/15

#### Sample Condition Requirements Per NELAC/ELAP 210/241/242/243/244

| Condition                                  | NELAC compliance with the sample condition requirements upon receipt |                                           |                                            |
|--------------------------------------------|----------------------------------------------------------------------|-------------------------------------------|--------------------------------------------|
|                                            | Yes                                                                  | No                                        | N/A                                        |
| Container Type                             | <input checked="" type="checkbox"/>                                  | <input checked="" type="checkbox"/> So 35 | <input type="checkbox"/>                   |
| Comments                                   | <hr/>                                                                |                                           |                                            |
| Transferred to method-compliant container  | <input type="checkbox"/>                                             | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>        |
| Headspace (<1 mL)                          | <input type="checkbox"/>                                             | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>        |
| Comments                                   | <hr/>                                                                |                                           |                                            |
| Preservation                               | <input type="checkbox"/>                                             | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>        |
| Comments                                   | <hr/>                                                                |                                           |                                            |
| Chlorine Absent (<0.10 ppm per test strip) | <input type="checkbox"/>                                             | <input type="checkbox"/>                  | <input checked="" type="checkbox"/>        |
| Comments                                   | <hr/>                                                                |                                           |                                            |
| Holding Time                               | <input checked="" type="checkbox"/>                                  | <input type="checkbox"/>                  | <input type="checkbox"/>                   |
| Comments                                   | <hr/>                                                                |                                           |                                            |
| Temperature                                | <input checked="" type="checkbox"/>                                  | <input type="checkbox"/>                  | <input checked="" type="checkbox"/> metals |
| Comments                                   | <u>8°C iced started in field 10/14/15 14:18</u>                      |                                           |                                            |
| Sufficient Sample Quantity                 | <input checked="" type="checkbox"/>                                  | <input type="checkbox"/>                  | <input type="checkbox"/>                   |
| Comments                                   | <hr/>                                                                |                                           |                                            |



Lab Project ID: 154334

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-07

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**Sample Identifier:** OW-BOT-01-101215

**Lab Sample ID:** 154334-01

**Date Sampled:** 10/12/2015

**Matrix:** Soil

**Date Received:** 10/13/2015

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**Mercury**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| Mercury                     | < 0.00816     | mg/Kg        |                  | 10/15/2015 13:38     |
| <b>Method Reference(s):</b> | EPA 7471B     |              |                  |                      |
| <b>Preparation Date:</b>    | 10/15/2015    |              |                  |                      |
| <b>Data File:</b>           | Hg151015A     |              |                  |                      |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Thursday, October 15, 2015



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-07

**Sample Identifier:** OW-BOT-01-101215

**Lab Sample ID:** 154334-01

**Date Sampled:** 10/12/2015

**Matrix:** Soil

**Date Received:** 10/13/2015

**RCRA Metals (ICP)**

| <b>Analyte</b> | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic        | <b>1.39</b>   | mg/Kg        |                  | 10/14/2015 19:57     |
| Barium         | <b>20.0</b>   | mg/Kg        |                  | 10/14/2015 19:57     |
| Cadmium        | < 0.255       | mg/Kg        |                  | 10/14/2015 19:57     |
| Chromium       | <b>5.90</b>   | mg/Kg        |                  | 10/14/2015 19:57     |
| Lead           | <b>3.56</b>   | mg/Kg        |                  | 10/14/2015 19:57     |
| Selenium       | < 0.511       | mg/Kg        |                  | 10/15/2015 11:38     |
| Silver         | <b>0.260</b>  | mg/Kg        | J                | 10/14/2015 19:57     |

**Method Reference(s):** EPA 6010C  
EPA 3050  
**Preparation Date:** 10/14/2015  
**Data File:** 101415b

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-07

**Sample Identifier:** OW-BOT-01-101215

**Lab Sample ID:** 154334-01

**Date Sampled:** 10/12/2015

**Matrix:** Soil

**Date Received:** 10/13/2015

**Volatile Organics**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| 1,1,1-Trichloroethane       | < 3.77        | ug/Kg        |                  | 10/14/2015 13:13     |
| 1,1,2,2-Tetrachloroethane   | < 3.77        | ug/Kg        |                  | 10/14/2015 13:13     |
| 1,1,2-Trichloroethane       | < 3.77        | ug/Kg        |                  | 10/14/2015 13:13     |
| 1,1-Dichloroethane          | < 3.77        | ug/Kg        |                  | 10/14/2015 13:13     |
| 1,1-Dichloroethene          | < 3.77        | ug/Kg        |                  | 10/14/2015 13:13     |
| 1,2,3-Trichlorobenzene      | < 9.42        | ug/Kg        |                  | 10/14/2015 13:13     |
| 1,2,4-Trichlorobenzene      | < 9.42        | ug/Kg        |                  | 10/14/2015 13:13     |
| 1,2-Dibromo-3-Chloropropane | < 18.8        | ug/Kg        |                  | 10/14/2015 13:13     |
| 1,2-Dibromoethane           | < 3.77        | ug/Kg        |                  | 10/14/2015 13:13     |
| 1,2-Dichlorobenzene         | < 3.77        | ug/Kg        |                  | 10/14/2015 13:13     |
| 1,2-Dichloroethane          | < 3.77        | ug/Kg        |                  | 10/14/2015 13:13     |
| 1,2-Dichloropropane         | < 3.77        | ug/Kg        |                  | 10/14/2015 13:13     |
| 1,3-Dichlorobenzene         | < 3.77        | ug/Kg        |                  | 10/14/2015 13:13     |
| 1,4-Dichlorobenzene         | < 3.77        | ug/Kg        |                  | 10/14/2015 13:13     |
| 1,4-dioxane                 | < 37.7        | ug/Kg        |                  | 10/14/2015 13:13     |
| 2-Butanone                  | < 18.8        | ug/Kg        |                  | 10/14/2015 13:13     |
| 2-Hexanone                  | < 9.42        | ug/Kg        |                  | 10/14/2015 13:13     |
| 4-Methyl-2-pentanone        | < 9.42        | ug/Kg        |                  | 10/14/2015 13:13     |
| Acetone                     | < 18.8        | ug/Kg        |                  | 10/14/2015 13:13     |
| Benzene                     | < 3.77        | ug/Kg        |                  | 10/14/2015 13:13     |
| Bromochloromethane          | < 9.42        | ug/Kg        |                  | 10/14/2015 13:13     |
| Bromodichloromethane        | < 3.77        | ug/Kg        |                  | 10/14/2015 13:13     |
| Bromoform                   | < 9.42        | ug/Kg        |                  | 10/14/2015 13:13     |
| Bromomethane                | < 3.77        | ug/Kg        |                  | 10/14/2015 13:13     |
| Carbon disulfide            | < 3.77        | ug/Kg        |                  | 10/14/2015 13:13     |
| Carbon Tetrachloride        | < 3.77        | ug/Kg        |                  | 10/14/2015 13:13     |
| Chlorobenzene               | < 3.77        | ug/Kg        |                  | 10/14/2015 13:13     |

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Lab Project ID: 154334

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-07

**Sample Identifier:** OW-BOT-01-101215

**Lab Sample ID:** 154334-01

**Date Sampled:** 10/12/2015

**Matrix:** Soil

**Date Received:** 10/13/2015

|                           |        |       |            |       |
|---------------------------|--------|-------|------------|-------|
| Chloroethane              | < 3.77 | ug/Kg | 10/14/2015 | 13:13 |
| Chloroform                | < 3.77 | ug/Kg | 10/14/2015 | 13:13 |
| Chloromethane             | < 3.77 | ug/Kg | 10/14/2015 | 13:13 |
| cis-1,2-Dichloroethene    | < 3.77 | ug/Kg | 10/14/2015 | 13:13 |
| cis-1,3-Dichloropropene   | < 3.77 | ug/Kg | 10/14/2015 | 13:13 |
| Cyclohexane               | < 18.8 | ug/Kg | 10/14/2015 | 13:13 |
| Dibromochloromethane      | < 3.77 | ug/Kg | 10/14/2015 | 13:13 |
| Dichlorodifluoromethane   | < 3.77 | ug/Kg | 10/14/2015 | 13:13 |
| Ethylbenzene              | < 3.77 | ug/Kg | 10/14/2015 | 13:13 |
| Freon 113                 | < 3.77 | ug/Kg | 10/14/2015 | 13:13 |
| Isopropylbenzene          | < 3.77 | ug/Kg | 10/14/2015 | 13:13 |
| m,p-Xylene                | < 3.77 | ug/Kg | 10/14/2015 | 13:13 |
| Methyl acetate            | < 3.77 | ug/Kg | 10/14/2015 | 13:13 |
| Methyl tert-butyl Ether   | < 3.77 | ug/Kg | 10/14/2015 | 13:13 |
| Methylcyclohexane         | < 3.77 | ug/Kg | 10/14/2015 | 13:13 |
| Methylene chloride        | < 9.42 | ug/Kg | 10/14/2015 | 13:13 |
| o-Xylene                  | < 3.77 | ug/Kg | 10/14/2015 | 13:13 |
| Styrene                   | < 9.42 | ug/Kg | 10/14/2015 | 13:13 |
| Tetrachloroethene         | < 3.77 | ug/Kg | 10/14/2015 | 13:13 |
| Toluene                   | < 3.77 | ug/Kg | 10/14/2015 | 13:13 |
| trans-1,2-Dichloroethene  | < 3.77 | ug/Kg | 10/14/2015 | 13:13 |
| trans-1,3-Dichloropropene | < 3.77 | ug/Kg | 10/14/2015 | 13:13 |
| Trichloroethene           | < 3.77 | ug/Kg | 10/14/2015 | 13:13 |
| Trichlorofluoromethane    | < 3.77 | ug/Kg | 10/14/2015 | 13:13 |
| Vinyl chloride            | < 3.77 | ug/Kg | 10/14/2015 | 13:13 |

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Report Prepared Thursday, October 15, 2015





**Lab Project ID: 154334**

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-07

**Sample Identifier:** OW-BOT-01-101215

**Lab Sample ID:** 154334-01

**Date Sampled:** 10/12/2015

**Matrix:** Soil

**Date Received:** 10/13/2015

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |       |
|-----------------------|-------------------------|---------------|-----------------|----------------------|-------|
| 1,2-Dichloroethane-d4 | <b>104</b>              | 81.1 - 127    |                 | 10/14/2015           | 13:13 |
| 4-Bromofluorobenzene  | <b>87.4</b>             | 83 - 114      |                 | 10/14/2015           | 13:13 |
| Pentafluorobenzene    | <b>91.6</b>             | 91.8 - 110    | *               | 10/14/2015           | 13:13 |
| Toluene-D8            | <b>95.9</b>             | 91 - 107      |                 | 10/14/2015           | 13:13 |

**Method Reference(s):** EPA 8260C  
EPA 5035

**Data File:** x26887.D

*This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.*

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**Lab Project ID:** 154334

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-07

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**Sample Identifier:** OW-SW-01-101315

**Lab Sample ID:** 154334-02

**Date Sampled:** 10/13/2015

**Matrix:** Soil

**Date Received:** 10/13/2015

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**Mercury**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| Mercury                     | <b>0.0260</b> | mg/Kg        |                  | 10/15/2015 13:41     |
| <b>Method Reference(s):</b> | EPA 7471B     |              |                  |                      |
| <b>Preparation Date:</b>    | 10/15/2015    |              |                  |                      |
| <b>Data File:</b>           | Hg151015A     |              |                  |                      |

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*Report Prepared Thursday, October 15, 2015*



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-07

**Sample Identifier:** OW-SW-01-101315

**Lab Sample ID:** 154334-02

**Date Sampled:** 10/13/2015

**Matrix:** Soil

**Date Received:** 10/13/2015

**RCRA Metals (ICP)**

| <b>Analyte</b> | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic        | <b>4.24</b>   | mg/Kg        |                  | 10/14/2015 20:01     |
| Barium         | <b>131</b>    | mg/Kg        |                  | 10/14/2015 20:01     |
| Cadmium        | < 0.249       | mg/Kg        |                  | 10/14/2015 20:01     |
| Chromium       | <b>8.87</b>   | mg/Kg        |                  | 10/14/2015 20:01     |
| Lead           | <b>22.9</b>   | mg/Kg        |                  | 10/14/2015 20:01     |
| Selenium       | < 0.498       | mg/Kg        |                  | 10/15/2015 11:42     |
| Silver         | < 0.498       | mg/Kg        |                  | 10/14/2015 20:01     |

**Method Reference(s):** EPA 6010C  
EPA 3050  
**Preparation Date:** 10/14/2015  
**Data File:** 101415b

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**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-07

**Sample Identifier:** OW-SW-01-101315

**Lab Sample ID:** 154334-02

**Date Sampled:** 10/13/2015

**Matrix:** Soil

**Date Received:** 10/13/2015

**Volatile Organics**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| 1,1,1-Trichloroethane       | < 4.26        | ug/Kg        |                  | 10/14/2015 13:37     |
| 1,1,2,2-Tetrachloroethane   | < 4.26        | ug/Kg        |                  | 10/14/2015 13:37     |
| 1,1,2-Trichloroethane       | < 4.26        | ug/Kg        |                  | 10/14/2015 13:37     |
| 1,1-Dichloroethane          | < 4.26        | ug/Kg        |                  | 10/14/2015 13:37     |
| 1,1-Dichloroethene          | < 4.26        | ug/Kg        |                  | 10/14/2015 13:37     |
| 1,2,3-Trichlorobenzene      | < 10.6        | ug/Kg        |                  | 10/14/2015 13:37     |
| 1,2,4-Trichlorobenzene      | < 10.6        | ug/Kg        |                  | 10/14/2015 13:37     |
| 1,2-Dibromo-3-Chloropropane | < 21.3        | ug/Kg        |                  | 10/14/2015 13:37     |
| 1,2-Dibromoethane           | < 4.26        | ug/Kg        |                  | 10/14/2015 13:37     |
| 1,2-Dichlorobenzene         | < 4.26        | ug/Kg        |                  | 10/14/2015 13:37     |
| 1,2-Dichloroethane          | < 4.26        | ug/Kg        |                  | 10/14/2015 13:37     |
| 1,2-Dichloropropane         | < 4.26        | ug/Kg        |                  | 10/14/2015 13:37     |
| 1,3-Dichlorobenzene         | < 4.26        | ug/Kg        |                  | 10/14/2015 13:37     |
| 1,4-Dichlorobenzene         | < 4.26        | ug/Kg        |                  | 10/14/2015 13:37     |
| 1,4-dioxane                 | < 42.6        | ug/Kg        |                  | 10/14/2015 13:37     |
| 2-Butanone                  | < 21.3        | ug/Kg        |                  | 10/14/2015 13:37     |
| 2-Hexanone                  | < 10.6        | ug/Kg        |                  | 10/14/2015 13:37     |
| 4-Methyl-2-pentanone        | < 10.6        | ug/Kg        |                  | 10/14/2015 13:37     |
| Acetone                     | < 21.3        | ug/Kg        |                  | 10/14/2015 13:37     |
| Benzene                     | < 4.26        | ug/Kg        |                  | 10/14/2015 13:37     |
| Bromochloromethane          | < 10.6        | ug/Kg        |                  | 10/14/2015 13:37     |
| Bromodichloromethane        | < 4.26        | ug/Kg        |                  | 10/14/2015 13:37     |
| Bromoform                   | < 10.6        | ug/Kg        |                  | 10/14/2015 13:37     |
| Bromomethane                | < 4.26        | ug/Kg        |                  | 10/14/2015 13:37     |
| Carbon disulfide            | < 4.26        | ug/Kg        |                  | 10/14/2015 13:37     |
| Carbon Tetrachloride        | < 4.26        | ug/Kg        |                  | 10/14/2015 13:37     |
| Chlorobenzene               | < 4.26        | ug/Kg        |                  | 10/14/2015 13:37     |

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**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-07

**Sample Identifier:** OW-SW-01-101315

**Lab Sample ID:** 154334-02

**Date Sampled:** 10/13/2015

**Matrix:** Soil

**Date Received:** 10/13/2015

|                           |        |       |            |       |
|---------------------------|--------|-------|------------|-------|
| Chloroethane              | < 4.26 | ug/Kg | 10/14/2015 | 13:37 |
| Chloroform                | < 4.26 | ug/Kg | 10/14/2015 | 13:37 |
| Chloromethane             | < 4.26 | ug/Kg | 10/14/2015 | 13:37 |
| cis-1,2-Dichloroethene    | < 4.26 | ug/Kg | 10/14/2015 | 13:37 |
| cis-1,3-Dichloropropene   | < 4.26 | ug/Kg | 10/14/2015 | 13:37 |
| Cyclohexane               | < 21.3 | ug/Kg | 10/14/2015 | 13:37 |
| Dibromochloromethane      | < 4.26 | ug/Kg | 10/14/2015 | 13:37 |
| Dichlorodifluoromethane   | < 4.26 | ug/Kg | 10/14/2015 | 13:37 |
| Ethylbenzene              | < 4.26 | ug/Kg | 10/14/2015 | 13:37 |
| Freon 113                 | < 4.26 | ug/Kg | 10/14/2015 | 13:37 |
| Isopropylbenzene          | < 4.26 | ug/Kg | 10/14/2015 | 13:37 |
| m,p-Xylene                | < 4.26 | ug/Kg | 10/14/2015 | 13:37 |
| Methyl acetate            | < 4.26 | ug/Kg | 10/14/2015 | 13:37 |
| Methyl tert-butyl Ether   | < 4.26 | ug/Kg | 10/14/2015 | 13:37 |
| Methylcyclohexane         | < 4.26 | ug/Kg | 10/14/2015 | 13:37 |
| Methylene chloride        | < 10.6 | ug/Kg | 10/14/2015 | 13:37 |
| o-Xylene                  | < 4.26 | ug/Kg | 10/14/2015 | 13:37 |
| Styrene                   | < 10.6 | ug/Kg | 10/14/2015 | 13:37 |
| Tetrachloroethene         | < 4.26 | ug/Kg | 10/14/2015 | 13:37 |
| Toluene                   | < 4.26 | ug/Kg | 10/14/2015 | 13:37 |
| trans-1,2-Dichloroethene  | < 4.26 | ug/Kg | 10/14/2015 | 13:37 |
| trans-1,3-Dichloropropene | < 4.26 | ug/Kg | 10/14/2015 | 13:37 |
| Trichloroethene           | < 4.26 | ug/Kg | 10/14/2015 | 13:37 |
| Trichlorofluoromethane    | < 4.26 | ug/Kg | 10/14/2015 | 13:37 |
| Vinyl chloride            | < 4.26 | ug/Kg | 10/14/2015 | 13:37 |

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**Lab Project ID:** 154334

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-07

**Sample Identifier:** OW-SW-01-101315

**Lab Sample ID:** 154334-02

**Date Sampled:** 10/13/2015

**Matrix:** Soil

**Date Received:** 10/13/2015

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | <b>108</b>              | 81.1 - 127    |                 | 10/14/2015 13:37     |
| 4-Bromofluorobenzene  | <b>90.9</b>             | 83 - 114      |                 | 10/14/2015 13:37     |
| Pentafluorobenzene    | <b>92.7</b>             | 91.8 - 110    |                 | 10/14/2015 13:37     |
| Toluene-D8            | <b>95.4</b>             | 91 - 107      |                 | 10/14/2015 13:37     |

**Method Reference(s):** EPA 8260C  
EPA 5035

**Data File:** x26888.D

*This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.*

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Lab Project ID: 154334

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-07

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**Sample Identifier:** OW-BOT-02-101315

**Lab Sample ID:** 154334-03

**Date Sampled:** 10/13/2015

**Matrix:** Soil

**Date Received:** 10/13/2015

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**Mercury**

| <b>Analyte</b> | <b>Result</b>  | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|----------------|----------------|--------------|------------------|----------------------|
| Mercury        | <b>0.00596</b> | mg/Kg        | J                | 10/15/2015 13:45     |

**Method Reference(s):** EPA 7471B  
**Preparation Date:** 10/15/2015  
**Data File:** Hg151015A

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Report Prepared Thursday, October 15, 2015



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-07

**Sample Identifier:** OW-BOT-02-101315

**Lab Sample ID:** 154334-03

**Date Sampled:** 10/13/2015

**Matrix:** Soil

**Date Received:** 10/13/2015

**RCRA Metals (ICP)**

| <b>Analyte</b> | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic        | <b>1.18</b>   | mg/Kg        |                  | 10/14/2015 20:06     |
| Barium         | <b>24.3</b>   | mg/Kg        |                  | 10/14/2015 20:06     |
| Cadmium        | < 0.277       | mg/Kg        |                  | 10/14/2015 20:06     |
| Chromium       | <b>7.21</b>   | mg/Kg        |                  | 10/14/2015 20:06     |
| Lead           | <b>2.45</b>   | mg/Kg        |                  | 10/14/2015 20:06     |
| Selenium       | < 0.553       | mg/Kg        |                  | 10/15/2015 14:38     |
| Silver         | < 0.553       | mg/Kg        |                  | 10/14/2015 20:06     |

**Method Reference(s):** EPA 6010C  
EPA 3050  
**Preparation Date:** 10/14/2015  
**Data File:** 101415b

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**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-07

**Sample Identifier:** OW-BOT-02-101315

**Lab Sample ID:** 154334-03

**Date Sampled:** 10/13/2015

**Matrix:** Soil

**Date Received:** 10/13/2015

**Volatile Organics**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| 1,1,1-Trichloroethane       | < 3.51        | ug/Kg        |                  | 10/14/2015 14:01     |
| 1,1,2,2-Tetrachloroethane   | < 3.51        | ug/Kg        |                  | 10/14/2015 14:01     |
| 1,1,2-Trichloroethane       | < 3.51        | ug/Kg        |                  | 10/14/2015 14:01     |
| 1,1-Dichloroethane          | < 3.51        | ug/Kg        |                  | 10/14/2015 14:01     |
| 1,1-Dichloroethene          | < 3.51        | ug/Kg        |                  | 10/14/2015 14:01     |
| 1,2,3-Trichlorobenzene      | < 8.76        | ug/Kg        |                  | 10/14/2015 14:01     |
| 1,2,4-Trichlorobenzene      | < 8.76        | ug/Kg        |                  | 10/14/2015 14:01     |
| 1,2-Dibromo-3-Chloropropane | < 17.5        | ug/Kg        |                  | 10/14/2015 14:01     |
| 1,2-Dibromoethane           | < 3.51        | ug/Kg        |                  | 10/14/2015 14:01     |
| 1,2-Dichlorobenzene         | < 3.51        | ug/Kg        |                  | 10/14/2015 14:01     |
| 1,2-Dichloroethane          | < 3.51        | ug/Kg        |                  | 10/14/2015 14:01     |
| 1,2-Dichloropropane         | < 3.51        | ug/Kg        |                  | 10/14/2015 14:01     |
| 1,3-Dichlorobenzene         | < 3.51        | ug/Kg        |                  | 10/14/2015 14:01     |
| 1,4-Dichlorobenzene         | < 3.51        | ug/Kg        |                  | 10/14/2015 14:01     |
| 1,4-dioxane                 | < 35.1        | ug/Kg        |                  | 10/14/2015 14:01     |
| 2-Butanone                  | < 17.5        | ug/Kg        |                  | 10/14/2015 14:01     |
| 2-Hexanone                  | < 8.76        | ug/Kg        |                  | 10/14/2015 14:01     |
| 4-Methyl-2-pentanone        | < 8.76        | ug/Kg        |                  | 10/14/2015 14:01     |
| Acetone                     | < 17.5        | ug/Kg        |                  | 10/14/2015 14:01     |
| Benzene                     | < 3.51        | ug/Kg        |                  | 10/14/2015 14:01     |
| Bromochloromethane          | < 8.76        | ug/Kg        |                  | 10/14/2015 14:01     |
| Bromodichloromethane        | < 3.51        | ug/Kg        |                  | 10/14/2015 14:01     |
| Bromoform                   | < 8.76        | ug/Kg        |                  | 10/14/2015 14:01     |
| Bromomethane                | < 3.51        | ug/Kg        |                  | 10/14/2015 14:01     |
| Carbon disulfide            | < 3.51        | ug/Kg        |                  | 10/14/2015 14:01     |
| Carbon Tetrachloride        | < 3.51        | ug/Kg        |                  | 10/14/2015 14:01     |
| Chlorobenzene               | < 3.51        | ug/Kg        |                  | 10/14/2015 14:01     |

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**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-07

**Sample Identifier:** OW-BOT-02-101315

**Lab Sample ID:** 154334-03

**Date Sampled:** 10/13/2015

**Matrix:** Soil

**Date Received:** 10/13/2015

|                           |        |       |            |       |
|---------------------------|--------|-------|------------|-------|
| Chloroethane              | < 3.51 | ug/Kg | 10/14/2015 | 14:01 |
| Chloroform                | < 3.51 | ug/Kg | 10/14/2015 | 14:01 |
| Chloromethane             | < 3.51 | ug/Kg | 10/14/2015 | 14:01 |
| cis-1,2-Dichloroethene    | < 3.51 | ug/Kg | 10/14/2015 | 14:01 |
| cis-1,3-Dichloropropene   | < 3.51 | ug/Kg | 10/14/2015 | 14:01 |
| Cyclohexane               | < 17.5 | ug/Kg | 10/14/2015 | 14:01 |
| Dibromochloromethane      | < 3.51 | ug/Kg | 10/14/2015 | 14:01 |
| Dichlorodifluoromethane   | < 3.51 | ug/Kg | 10/14/2015 | 14:01 |
| Ethylbenzene              | < 3.51 | ug/Kg | 10/14/2015 | 14:01 |
| Freon 113                 | < 3.51 | ug/Kg | 10/14/2015 | 14:01 |
| Isopropylbenzene          | < 3.51 | ug/Kg | 10/14/2015 | 14:01 |
| m,p-Xylene                | < 3.51 | ug/Kg | 10/14/2015 | 14:01 |
| Methyl acetate            | < 3.51 | ug/Kg | 10/14/2015 | 14:01 |
| Methyl tert-butyl Ether   | < 3.51 | ug/Kg | 10/14/2015 | 14:01 |
| Methylcyclohexane         | < 3.51 | ug/Kg | 10/14/2015 | 14:01 |
| Methylene chloride        | < 8.76 | ug/Kg | 10/14/2015 | 14:01 |
| o-Xylene                  | < 3.51 | ug/Kg | 10/14/2015 | 14:01 |
| Styrene                   | < 8.76 | ug/Kg | 10/14/2015 | 14:01 |
| Tetrachloroethene         | < 3.51 | ug/Kg | 10/14/2015 | 14:01 |
| Toluene                   | < 3.51 | ug/Kg | 10/14/2015 | 14:01 |
| trans-1,2-Dichloroethene  | < 3.51 | ug/Kg | 10/14/2015 | 14:01 |
| trans-1,3-Dichloropropene | < 3.51 | ug/Kg | 10/14/2015 | 14:01 |
| Trichloroethene           | < 3.51 | ug/Kg | 10/14/2015 | 14:01 |
| Trichlorofluoromethane    | < 3.51 | ug/Kg | 10/14/2015 | 14:01 |
| Vinyl chloride            | < 3.51 | ug/Kg | 10/14/2015 | 14:01 |

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**Lab Project ID:** 154334

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-07

**Sample Identifier:** OW-BOT-02-101315

**Lab Sample ID:** 154334-03

**Date Sampled:** 10/13/2015

**Matrix:** Soil

**Date Received:** 10/13/2015

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | <b>105</b>              | 81.1 - 127    |                 | 10/14/2015 14:01     |
| 4-Bromofluorobenzene  | <b>97.8</b>             | 83 - 114      |                 | 10/14/2015 14:01     |
| Pentafluorobenzene    | <b>93.8</b>             | 91.8 - 110    |                 | 10/14/2015 14:01     |
| Toluene-D8            | <b>94.9</b>             | 91 - 107      |                 | 10/14/2015 14:01     |

**Method Reference(s):** EPA 8260C  
EPA 5035

**Data File:** x26889.D

*This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.*

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

*Report Prepared Thursday, October 15, 2015*



**Lab Project ID:** 154334

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-07

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**Sample Identifier:** OW-SW-02-101315

**Lab Sample ID:** 154334-04

**Date Sampled:** 10/13/2015

**Matrix:** Soil

**Date Received:** 10/13/2015

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**Mercury**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| Mercury                     | <b>0.322</b>  | mg/Kg        |                  | 10/15/2015 13:48     |
| <b>Method Reference(s):</b> | EPA 7471B     |              |                  |                      |
| <b>Preparation Date:</b>    | 10/15/2015    |              |                  |                      |
| <b>Data File:</b>           | Hg151015A     |              |                  |                      |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

*Report Prepared Thursday, October 15, 2015*



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-07

**Sample Identifier:** OW-SW-02-101315

**Lab Sample ID:** 154334-04

**Date Sampled:** 10/13/2015

**Matrix:** Soil

**Date Received:** 10/13/2015

**RCRA Metals (ICP)**

| <b>Analyte</b> | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic        | <b>1.54</b>   | mg/Kg        |                  | 10/14/2015 20:10     |
| Barium         | <b>21.9</b>   | mg/Kg        |                  | 10/14/2015 20:10     |
| Cadmium        | < 0.278       | mg/Kg        |                  | 10/14/2015 20:10     |
| Chromium       | <b>4.73</b>   | mg/Kg        |                  | 10/14/2015 20:10     |
| Lead           | <b>9.32</b>   | mg/Kg        |                  | 10/14/2015 20:10     |
| Selenium       | < 0.556       | mg/Kg        |                  | 10/15/2015 11:51     |
| Silver         | < 0.556       | mg/Kg        |                  | 10/14/2015 20:10     |

**Method Reference(s):** EPA 6010C  
EPA 3050  
**Preparation Date:** 10/14/2015  
**Data File:** 101415b

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-07

**Sample Identifier:** OW-SW-02-101315

**Lab Sample ID:** 154334-04

**Date Sampled:** 10/13/2015

**Matrix:** Soil

**Date Received:** 10/13/2015

**Volatile Organics**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| 1,1,1-Trichloroethane       | < 4.41        | ug/Kg        |                  | 10/14/2015 14:25     |
| 1,1,2,2-Tetrachloroethane   | < 4.41        | ug/Kg        |                  | 10/14/2015 14:25     |
| 1,1,2-Trichloroethane       | < 4.41        | ug/Kg        |                  | 10/14/2015 14:25     |
| 1,1-Dichloroethane          | < 4.41        | ug/Kg        |                  | 10/14/2015 14:25     |
| 1,1-Dichloroethene          | < 4.41        | ug/Kg        |                  | 10/14/2015 14:25     |
| 1,2,3-Trichlorobenzene      | < 11.0        | ug/Kg        |                  | 10/14/2015 14:25     |
| 1,2,4-Trichlorobenzene      | < 11.0        | ug/Kg        |                  | 10/14/2015 14:25     |
| 1,2-Dibromo-3-Chloropropane | < 22.0        | ug/Kg        |                  | 10/14/2015 14:25     |
| 1,2-Dibromoethane           | < 4.41        | ug/Kg        |                  | 10/14/2015 14:25     |
| 1,2-Dichlorobenzene         | < 4.41        | ug/Kg        |                  | 10/14/2015 14:25     |
| 1,2-Dichloroethane          | < 4.41        | ug/Kg        |                  | 10/14/2015 14:25     |
| 1,2-Dichloropropane         | < 4.41        | ug/Kg        |                  | 10/14/2015 14:25     |
| 1,3-Dichlorobenzene         | < 4.41        | ug/Kg        |                  | 10/14/2015 14:25     |
| 1,4-Dichlorobenzene         | < 4.41        | ug/Kg        |                  | 10/14/2015 14:25     |
| 1,4-dioxane                 | < 44.1        | ug/Kg        |                  | 10/14/2015 14:25     |
| 2-Butanone                  | < 22.0        | ug/Kg        |                  | 10/14/2015 14:25     |
| 2-Hexanone                  | < 11.0        | ug/Kg        |                  | 10/14/2015 14:25     |
| 4-Methyl-2-pentanone        | < 11.0        | ug/Kg        |                  | 10/14/2015 14:25     |
| Acetone                     | < 22.0        | ug/Kg        |                  | 10/14/2015 14:25     |
| Benzene                     | < 4.41        | ug/Kg        |                  | 10/14/2015 14:25     |
| Bromochloromethane          | < 11.0        | ug/Kg        |                  | 10/14/2015 14:25     |
| Bromodichloromethane        | < 4.41        | ug/Kg        |                  | 10/14/2015 14:25     |
| Bromoform                   | < 11.0        | ug/Kg        |                  | 10/14/2015 14:25     |
| Bromomethane                | < 4.41        | ug/Kg        |                  | 10/14/2015 14:25     |
| Carbon disulfide            | < 4.41        | ug/Kg        |                  | 10/14/2015 14:25     |
| Carbon Tetrachloride        | < 4.41        | ug/Kg        |                  | 10/14/2015 14:25     |
| Chlorobenzene               | < 4.41        | ug/Kg        |                  | 10/14/2015 14:25     |

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Lab Project ID: 154334

Client: Lu Engineers, Inc.

Project Reference: Orchard-Whitney 4216-07

|                           |                 |       |  |                       |            |
|---------------------------|-----------------|-------|--|-----------------------|------------|
| <b>Sample Identifier:</b> | OW-SW-02-101315 |       |  |                       |            |
| <b>Lab Sample ID:</b>     | 154334-04       |       |  | <b>Date Sampled:</b>  | 10/13/2015 |
| <b>Matrix:</b>            | Soil            |       |  | <b>Date Received:</b> | 10/13/2015 |
| Chloroethane              | < 4.41          | ug/Kg |  | 10/14/2015            | 14:25      |
| Chloroform                | < 4.41          | ug/Kg |  | 10/14/2015            | 14:25      |
| Chloromethane             | < 4.41          | ug/Kg |  | 10/14/2015            | 14:25      |
| cis-1,2-Dichloroethene    | < 4.41          | ug/Kg |  | 10/14/2015            | 14:25      |
| cis-1,3-Dichloropropene   | < 4.41          | ug/Kg |  | 10/14/2015            | 14:25      |
| Cyclohexane               | < 22.0          | ug/Kg |  | 10/14/2015            | 14:25      |
| Dibromochloromethane      | < 4.41          | ug/Kg |  | 10/14/2015            | 14:25      |
| Dichlorodifluoromethane   | < 4.41          | ug/Kg |  | 10/14/2015            | 14:25      |
| Ethylbenzene              | < 4.41          | ug/Kg |  | 10/14/2015            | 14:25      |
| Freon 113                 | < 4.41          | ug/Kg |  | 10/14/2015            | 14:25      |
| Isopropylbenzene          | < 4.41          | ug/Kg |  | 10/14/2015            | 14:25      |
| m,p-Xylene                | < 4.41          | ug/Kg |  | 10/14/2015            | 14:25      |
| Methyl acetate            | < 4.41          | ug/Kg |  | 10/14/2015            | 14:25      |
| Methyl tert-butyl Ether   | < 4.41          | ug/Kg |  | 10/14/2015            | 14:25      |
| Methylcyclohexane         | < 4.41          | ug/Kg |  | 10/14/2015            | 14:25      |
| Methylene chloride        | < 11.0          | ug/Kg |  | 10/14/2015            | 14:25      |
| o-Xylene                  | < 4.41          | ug/Kg |  | 10/14/2015            | 14:25      |
| Styrene                   | < 11.0          | ug/Kg |  | 10/14/2015            | 14:25      |
| Tetrachloroethene         | < 4.41          | ug/Kg |  | 10/14/2015            | 14:25      |
| Toluene                   | < 4.41          | ug/Kg |  | 10/14/2015            | 14:25      |
| trans-1,2-Dichloroethene  | < 4.41          | ug/Kg |  | 10/14/2015            | 14:25      |
| trans-1,3-Dichloropropene | < 4.41          | ug/Kg |  | 10/14/2015            | 14:25      |
| Trichloroethene           | < 4.41          | ug/Kg |  | 10/14/2015            | 14:25      |
| Trichlorofluoromethane    | < 4.41          | ug/Kg |  | 10/14/2015            | 14:25      |
| Vinyl chloride            | < 4.41          | ug/Kg |  | 10/14/2015            | 14:25      |

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Report Prepared Thursday, October 15, 2015



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-07

**Sample Identifier:** OW-SW-02-101315

**Lab Sample ID:** 154334-04

**Date Sampled:** 10/13/2015

**Matrix:** Soil

**Date Received:** 10/13/2015

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | <b>105</b>              | 81.1 - 127    |                 | 10/14/2015 14:25     |
| 4-Bromofluorobenzene  | <b>96.8</b>             | 83 - 114      |                 | 10/14/2015 14:25     |
| Pentafluorobenzene    | <b>94.9</b>             | 91.8 - 110    |                 | 10/14/2015 14:25     |
| Toluene-D8            | <b>95.5</b>             | 91 - 107      |                 | 10/14/2015 14:25     |

**Method Reference(s):** EPA 8260C  
EPA 5035

**Data File:** x26890.D

*This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.*





**Lab Project ID:** 154334

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-07

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**Sample Identifier:** OW-SW-03-101315

**Lab Sample ID:** 154334-05

**Date Sampled:** 10/13/2015

**Matrix:** Soil

**Date Received:** 10/13/2015

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**Mercury**

| <b>Analyte</b>              | <b>Result</b>  | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|----------------|--------------|------------------|----------------------|
| Mercury                     | <b>0.00527</b> | mg/Kg        | J                | 10/15/2015 13:51     |
| <b>Method Reference(s):</b> | EPA 7471B      |              |                  |                      |
| <b>Preparation Date:</b>    | 10/15/2015     |              |                  |                      |
| <b>Data File:</b>           | Hg151015A      |              |                  |                      |

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*Report Prepared Thursday, October 15, 2015*



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-07

**Sample Identifier:** OW-SW-03-101315

**Lab Sample ID:** 154334-05

**Date Sampled:** 10/13/2015

**Matrix:** Soil

**Date Received:** 10/13/2015

**RCRA Metals (ICP)**

| <b>Analyte</b> | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic        | <b>1.78</b>   | mg/Kg        |                  | 10/14/2015 20:23     |
| Barium         | <b>20.3</b>   | mg/Kg        |                  | 10/14/2015 20:23     |
| Cadmium        | < 0.273       | mg/Kg        |                  | 10/14/2015 20:23     |
| Chromium       | <b>6.04</b>   | mg/Kg        |                  | 10/14/2015 20:23     |
| Lead           | <b>1.95</b>   | mg/Kg        |                  | 10/14/2015 20:23     |
| Selenium       | < 0.546       | mg/Kg        |                  | 10/15/2015 00:04     |
| Silver         | < 0.546       | mg/Kg        |                  | 10/14/2015 20:23     |

**Method Reference(s):** EPA 6010C  
EPA 3050  
**Preparation Date:** 10/14/2015  
**Data File:** 101415b

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-07

**Sample Identifier:** OW-SW-03-101315

**Lab Sample ID:** 154334-05

**Date Sampled:** 10/13/2015

**Matrix:** Soil

**Date Received:** 10/13/2015

**Volatile Organics**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| 1,1,1-Trichloroethane       | < 4.38        | ug/Kg        |                  | 10/14/2015 14:49     |
| 1,1,2,2-Tetrachloroethane   | < 4.38        | ug/Kg        |                  | 10/14/2015 14:49     |
| 1,1,2-Trichloroethane       | < 4.38        | ug/Kg        |                  | 10/14/2015 14:49     |
| 1,1-Dichloroethane          | < 4.38        | ug/Kg        |                  | 10/14/2015 14:49     |
| 1,1-Dichloroethene          | < 4.38        | ug/Kg        |                  | 10/14/2015 14:49     |
| 1,2,3-Trichlorobenzene      | < 10.9        | ug/Kg        |                  | 10/14/2015 14:49     |
| 1,2,4-Trichlorobenzene      | < 10.9        | ug/Kg        |                  | 10/14/2015 14:49     |
| 1,2-Dibromo-3-Chloropropane | < 21.9        | ug/Kg        |                  | 10/14/2015 14:49     |
| 1,2-Dibromoethane           | < 4.38        | ug/Kg        |                  | 10/14/2015 14:49     |
| 1,2-Dichlorobenzene         | < 4.38        | ug/Kg        |                  | 10/14/2015 14:49     |
| 1,2-Dichloroethane          | < 4.38        | ug/Kg        |                  | 10/14/2015 14:49     |
| 1,2-Dichloropropane         | < 4.38        | ug/Kg        |                  | 10/14/2015 14:49     |
| 1,3-Dichlorobenzene         | < 4.38        | ug/Kg        |                  | 10/14/2015 14:49     |
| 1,4-Dichlorobenzene         | < 4.38        | ug/Kg        |                  | 10/14/2015 14:49     |
| 1,4-dioxane                 | < 43.8        | ug/Kg        |                  | 10/14/2015 14:49     |
| 2-Butanone                  | < 21.9        | ug/Kg        |                  | 10/14/2015 14:49     |
| 2-Hexanone                  | < 10.9        | ug/Kg        |                  | 10/14/2015 14:49     |
| 4-Methyl-2-pentanone        | < 10.9        | ug/Kg        |                  | 10/14/2015 14:49     |
| Acetone                     | < 21.9        | ug/Kg        |                  | 10/14/2015 14:49     |
| Benzene                     | < 4.38        | ug/Kg        |                  | 10/14/2015 14:49     |
| Bromochloromethane          | < 10.9        | ug/Kg        |                  | 10/14/2015 14:49     |
| Bromodichloromethane        | < 4.38        | ug/Kg        |                  | 10/14/2015 14:49     |
| Bromoform                   | < 10.9        | ug/Kg        |                  | 10/14/2015 14:49     |
| Bromomethane                | < 4.38        | ug/Kg        |                  | 10/14/2015 14:49     |
| Carbon disulfide            | < 4.38        | ug/Kg        |                  | 10/14/2015 14:49     |
| Carbon Tetrachloride        | < 4.38        | ug/Kg        |                  | 10/14/2015 14:49     |
| Chlorobenzene               | < 4.38        | ug/Kg        |                  | 10/14/2015 14:49     |

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Lab Project ID: 154334

Client: Lu Engineers, Inc.

Project Reference: Orchard-Whitney 4216-07

Sample Identifier: OW-SW-03-101315

Lab Sample ID: 154334-05

Date Sampled: 10/13/2015

Matrix: Soil

Date Received: 10/13/2015

|                           |        |       |            |       |
|---------------------------|--------|-------|------------|-------|
| Chloroethane              | < 4.38 | ug/Kg | 10/14/2015 | 14:49 |
| Chloroform                | < 4.38 | ug/Kg | 10/14/2015 | 14:49 |
| Chloromethane             | < 4.38 | ug/Kg | 10/14/2015 | 14:49 |
| cis-1,2-Dichloroethene    | < 4.38 | ug/Kg | 10/14/2015 | 14:49 |
| cis-1,3-Dichloropropene   | < 4.38 | ug/Kg | 10/14/2015 | 14:49 |
| Cyclohexane               | < 21.9 | ug/Kg | 10/14/2015 | 14:49 |
| Dibromochloromethane      | < 4.38 | ug/Kg | 10/14/2015 | 14:49 |
| Dichlorodifluoromethane   | < 4.38 | ug/Kg | 10/14/2015 | 14:49 |
| Ethylbenzene              | < 4.38 | ug/Kg | 10/14/2015 | 14:49 |
| Freon 113                 | < 4.38 | ug/Kg | 10/14/2015 | 14:49 |
| Isopropylbenzene          | < 4.38 | ug/Kg | 10/14/2015 | 14:49 |
| m,p-Xylene                | < 4.38 | ug/Kg | 10/14/2015 | 14:49 |
| Methyl acetate            | < 4.38 | ug/Kg | 10/14/2015 | 14:49 |
| Methyl tert-butyl Ether   | < 4.38 | ug/Kg | 10/14/2015 | 14:49 |
| Methylcyclohexane         | < 4.38 | ug/Kg | 10/14/2015 | 14:49 |
| Methylene chloride        | < 10.9 | ug/Kg | 10/14/2015 | 14:49 |
| o-Xylene                  | < 4.38 | ug/Kg | 10/14/2015 | 14:49 |
| Styrene                   | < 10.9 | ug/Kg | 10/14/2015 | 14:49 |
| Tetrachloroethene         | < 4.38 | ug/Kg | 10/14/2015 | 14:49 |
| Toluene                   | < 4.38 | ug/Kg | 10/14/2015 | 14:49 |
| trans-1,2-Dichloroethene  | < 4.38 | ug/Kg | 10/14/2015 | 14:49 |
| trans-1,3-Dichloropropene | < 4.38 | ug/Kg | 10/14/2015 | 14:49 |
| Trichloroethene           | < 4.38 | ug/Kg | 10/14/2015 | 14:49 |
| Trichlorofluoromethane    | < 4.38 | ug/Kg | 10/14/2015 | 14:49 |
| Vinyl chloride            | < 4.38 | ug/Kg | 10/14/2015 | 14:49 |

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Report Prepared Thursday, October 15, 2015



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-07

**Sample Identifier:** OW-SW-03-101315

**Lab Sample ID:** 154334-05

**Date Sampled:** 10/13/2015

**Matrix:** Soil

**Date Received:** 10/13/2015

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | <b>102</b>              | 81.1 - 127    |                 | 10/14/2015 14:49     |
| 4-Bromofluorobenzene  | <b>99.4</b>             | 83 - 114      |                 | 10/14/2015 14:49     |
| Pentafluorobenzene    | <b>98.3</b>             | 91.8 - 110    |                 | 10/14/2015 14:49     |
| Toluene-D8            | <b>97.4</b>             | 91 - 107      |                 | 10/14/2015 14:49     |

**Method Reference(s):** EPA 8260C  
EPA 5035

**Data File:** x26891.D

*This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.*



## Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

*"<" = Analyzed for but not detected at or above the quantitation limit.*

*"E" = Result has been estimated, calibration limit exceeded.*

*"Z" = See case narrative.*

*"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.*

*"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.*

*"B" = Method blank contained trace levels of analyte. Refer to included method blank report.*

*"J" = Result estimated between the quantitation limit and half the quantitation limit.*

*"L" = Laboratory Control Sample recovery outside accepted QC limits.*

*"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.*  
*"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.*

*"\*" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

*"(1)" = Indicates data from primary column used for QC calculation.*

*"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.*

*"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.*

# GENERAL TERMS AND CONDITIONS

## LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term, or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

### **Warranty.**

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

### **Scope and Compensation.**

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

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### **Prices.**

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

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In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

### **Hazard Disclosure.**

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

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LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

### **Legal Responsibility.**

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

### **Assignment.**

LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

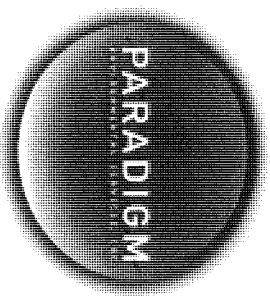
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LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

### **Law.**

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

# CHAIN OF CUSTODY



**PROJECT REFERENCE**  
Overhead-Whitney  
4216-02

|                                      |  |                       |  |                           |  |                             |  |
|--------------------------------------|--|-----------------------|--|---------------------------|--|-----------------------------|--|
| <b>REPORT TO:</b>                    |  | <b>CLIENT:</b>        |  | <b>INVOICE TO:</b>        |  | <b>LAB PROJECT ID</b>       |  |
| ADDRESS: 185 South Main - 202        |  | ADDRESS: W ENGINERS   |  | ADDRESS: 154334           |  | 154334                      |  |
| CITY: PITTSFORD STATE: NY ZIP: 14534 |  | CITY: STATE: ZIP:     |  | CITY: STATE: ZIP:         |  | Quotation #: MS02111A       |  |
| PHONE: (585) 385-7419                |  | PHONE: (585) 385-7419 |  | PHONE: (585) 385-7419     |  | Email: ganders@wengiers.com |  |
| ATTN: Greg Anderson / Andrew Mettelt |  | ATTN: WA - Water      |  | ATTN: DW - Drinking Water |  | ATTN: SD - Solid            |  |
| Matrix Codes: AQ - Aqueous Liquid    |  | WG - Groundwater      |  | MW - Wastewater           |  | PT - Paint                  |  |
| NQ - Non-Aqueous Liquid              |  | WA - Water            |  | SO - Soil                 |  | WP - Wipe                   |  |
|                                      |  | MG - Groundwater      |  | SL - Sludge               |  | CK - Caulk                  |  |
|                                      |  |                       |  |                           |  | AR - Air                    |  |

| DATE COLLECTED | TIME COLLECTED | COMPOSITE | GARAB | SAMPLE IDENTIFIER | MAC TDRS | CONTAMINANTS | REQUESTED ANALYSIS | REMARKS        | PARADIGM LAB SAMPLE NUMBER |
|----------------|----------------|-----------|-------|-------------------|----------|--------------|--------------------|----------------|----------------------------|
| 10/12/15       | 11:00          |           | X     | DW-BOT-01-101215  |          |              |                    | OTR VOC - 8200 | 01                         |
| 2 10/13/15     | 10:50          |           | X     | DW-SW-01-101315   |          |              |                    | OTR VOC - 6010 | 02                         |
| 3 10/13/15     | 11:10          |           | X     | DW-BOT-02-101315  |          |              |                    | OTR VOC - 6010 | 03                         |
| 4 10/13/15     | 12:45          |           | X     | DW-SW-02-101315   |          |              |                    | OTR VOC - 6010 | 04                         |
| 5 10/13/15     | 14:00          |           | X     | DW-SW-03-101315   |          |              |                    | OTR VOC - 6010 | 05                         |
| 6              |                |           |       |                   |          |              |                    |                |                            |
| 7              |                |           |       |                   |          |              |                    |                |                            |
| 8              |                |           |       |                   |          |              |                    |                |                            |
| 9              |                |           |       |                   |          |              |                    |                |                            |
| 10             |                |           |       |                   |          |              |                    |                |                            |

|                                                                       |                                     |                           |                                     |
|-----------------------------------------------------------------------|-------------------------------------|---------------------------|-------------------------------------|
| <b>Turnaround Time</b>                                                |                                     | <b>Report Supplements</b> |                                     |
| Availability contingent upon lab approval; additional fees may apply. |                                     |                           |                                     |
| Standard 5 day                                                        | <input checked="" type="checkbox"/> | Batch QC                  | <input type="checkbox"/>            |
| Rush 3 day                                                            | <input type="checkbox"/>            | Category A                | <input type="checkbox"/>            |
| Rush 2 day                                                            | <input checked="" type="checkbox"/> | Category B                | <input checked="" type="checkbox"/> |
| Rush 1 day                                                            | <input type="checkbox"/>            | Other                     | <input type="checkbox"/>            |
| Other                                                                 | <input type="checkbox"/>            | Other EDD                 | <input type="checkbox"/>            |

Received By: *[Signature]* Date/Time: 10/13/15 15:03

Received By: *[Signature]* Date/Time: 10/13/15 16:02

Received @ Lab By: *[Signature]* Date/Time: 10/13/15 16:02

Total Cost:

PI.F.

Standard Seal N/A, Samples delivered by client. 4° C sealed 10/13/15 1514 hours





Chain of Custody Supplement

Client: Lu Engineers Completed by: Glenn Pezzullo  
 Lab Project ID: 154334 Date: 10/13/15

**Sample Condition Requirements**  
 Per NELAC/ELAP 210/241/242/243/244

| Condition                                  | NELAC compliance with the sample condition requirements upon receipt |                                            |                                            |
|--------------------------------------------|----------------------------------------------------------------------|--------------------------------------------|--------------------------------------------|
|                                            | Yes                                                                  | No                                         | N/A                                        |
| Container Type                             | <input checked="" type="checkbox"/>                                  | <input checked="" type="checkbox"/> So 3.5 | <input type="checkbox"/>                   |
| Comments                                   | _____                                                                |                                            |                                            |
| Transferred to method-compliant container  | <input type="checkbox"/>                                             | <input type="checkbox"/>                   | <input checked="" type="checkbox"/>        |
| Headspace (<1 mL)                          | <input type="checkbox"/>                                             | <input type="checkbox"/>                   | <input checked="" type="checkbox"/>        |
| Comments                                   | _____                                                                |                                            |                                            |
| Preservation                               | <input type="checkbox"/>                                             | <input type="checkbox"/>                   | <input checked="" type="checkbox"/>        |
| Comments                                   | _____                                                                |                                            |                                            |
| Chlorine Absent (<0.10 ppm per test strip) | <input type="checkbox"/>                                             | <input type="checkbox"/>                   | <input checked="" type="checkbox"/>        |
| Comments                                   | _____                                                                |                                            |                                            |
| Holding Time                               | <input checked="" type="checkbox"/>                                  | <input type="checkbox"/>                   | <input type="checkbox"/>                   |
| Comments                                   | _____                                                                |                                            |                                            |
| Temperature                                | <input checked="" type="checkbox"/>                                  | <input type="checkbox"/>                   | <input checked="" type="checkbox"/> Metals |
| Comments                                   | <u>4°C iced 10/13/15 15:14</u>                                       |                                            |                                            |
| Sufficient Sample Quantity                 | <input checked="" type="checkbox"/>                                  | <input type="checkbox"/>                   | <input type="checkbox"/>                   |
| Comments                                   | _____                                                                |                                            |                                            |



**PARADIGM**  
ENVIRONMENTAL SERVICES, INC.

*Analytical Report For*  
**Lu Engineers, Inc.**

*For Lab Project ID*

**154377**

*Referencing*

**Orchard-Whitney 4216-07**

*Prepared*

**Monday, October 19, 2015**

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

A handwritten signature in black ink, appearing to read "M. [unclear]", is positioned above a horizontal line.

---

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

*Report Prepared Monday, October 19, 2015*

Page 1 of 7



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-07

**Sample Identifier:** OW-FRAC-101515

**Lab Sample ID:** 154377-01

**Date Sampled:** 10/15/2015

**Matrix:** Wastewater

**Date Received:** 10/15/2015

**Mercury**

| Analyte | Result     | Units | Qualifier | Date Analyzed    |
|---------|------------|-------|-----------|------------------|
| Mercury | < 0.000200 | mg/L  |           | 10/19/2015 11:35 |

Method Reference(s): EPA 245.1  
Preparation Date: 10/16/2015  
Data File: Hg151019A

**RCRA Metals (ICP)**

| Analyte  | Result         | Units | Qualifier | Date Analyzed    |
|----------|----------------|-------|-----------|------------------|
| Arsenic  | < 0.00500      | mg/L  |           | 10/16/2015 16:34 |
| Barium   | <b>0.124</b>   | mg/L  |           | 10/16/2015 16:34 |
| Cadmium  | < 0.00250      | mg/L  |           | 10/16/2015 16:34 |
| Chromium | <b>0.00677</b> | mg/L  |           | 10/16/2015 16:34 |
| Lead     | < 0.00500      | mg/L  |           | 10/16/2015 16:34 |
| Selenium | < 0.0100       | mg/L  |           | 10/19/2015 14:47 |
| Silver   | < 0.00500      | mg/L  |           | 10/16/2015 16:34 |

Method Reference(s): EPA 200.7  
Preparation Date: 10/15/2015  
Data File: 101615b

**Semi-Volatile Organics (PAHs)**

| Analyte                 | Result | Units | Qualifier | Date Analyzed    |
|-------------------------|--------|-------|-----------|------------------|
| Acenaphthene            | < 10.0 | ug/L  |           | 10/16/2015 14:45 |
| Acenaphthylene          | < 10.0 | ug/L  |           | 10/16/2015 14:45 |
| Anthracene              | < 10.0 | ug/L  |           | 10/16/2015 14:45 |
| Benzo (a) anthracene    | < 10.0 | ug/L  |           | 10/16/2015 14:45 |
| Benzo (a) pyrene        | < 10.0 | ug/L  |           | 10/16/2015 14:45 |
| Benzo (b) fluoranthene  | < 10.0 | ug/L  |           | 10/16/2015 14:45 |
| Benzo (g,h,i) perylene  | < 10.0 | ug/L  |           | 10/16/2015 14:45 |
| Benzo (k) fluoranthene  | < 10.0 | ug/L  |           | 10/16/2015 14:45 |
| Chrysene                | < 10.0 | ug/L  |           | 10/16/2015 14:45 |
| Dibenz (a,h) anthracene | < 10.0 | ug/L  |           | 10/16/2015 14:45 |
| Fluoranthene            | < 10.0 | ug/L  |           | 10/16/2015 14:45 |

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**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-07

**Sample Identifier:** OW-FRAC-101515

**Lab Sample ID:** 154377-01

**Date Sampled:** 10/15/2015

**Matrix:** Wastewater

**Date Received:** 10/15/2015

|                          |        |      |            |       |
|--------------------------|--------|------|------------|-------|
| Fluorene                 | < 10.0 | ug/L | 10/16/2015 | 14:45 |
| Indeno (1,2,3-cd) pyrene | < 10.0 | ug/L | 10/16/2015 | 14:45 |
| Naphthalene              | < 10.0 | ug/L | 10/16/2015 | 14:45 |
| Phenanthrene             | < 10.0 | ug/L | 10/16/2015 | 14:45 |
| Pyrene                   | < 10.0 | ug/L | 10/16/2015 | 14:45 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|------------------|-------------------------|---------------|-----------------|----------------------|
| 2-Fluorobiphenyl | 57.3                    | 29 - 104      |                 | 10/16/2015 14:45     |
| Nitrobenzene-d5  | 69.0                    | 52.5 - 101    |                 | 10/16/2015 14:45     |
| Terphenyl-d14    | 77.8                    | 57 - 112      |                 | 10/16/2015 14:45     |

**Method Reference(s):** EPA 625  
**Preparation Date:** 10/16/2015  
**Data File:** B08145.D

**Volatile Organics (Aromatics)**

| <u>Analyte</u>          | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|-------------------------|---------------|--------------|------------------|----------------------|
| 1,2-Dichlorobenzene     | < 2.00        | ug/L         |                  | 10/15/2015 15:48     |
| 1,3-Dichlorobenzene     | < 2.00        | ug/L         |                  | 10/15/2015 15:48     |
| 1,4-Dichlorobenzene     | < 2.00        | ug/L         |                  | 10/15/2015 15:48     |
| Benzene                 | < 1.00        | ug/L         |                  | 10/15/2015 15:48     |
| Chlorobenzene           | < 2.00        | ug/L         |                  | 10/15/2015 15:48     |
| Ethylbenzene            | < 2.00        | ug/L         |                  | 10/15/2015 15:48     |
| Methyl tert-butyl Ether | < 2.00        | ug/L         |                  | 10/15/2015 15:48     |
| Toluene                 | < 2.00        | ug/L         |                  | 10/15/2015 15:48     |

| <u>Surrogate</u>      | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | 97.1                    | 81.1 - 124    |                 | 10/15/2015 15:48     |
| 4-Bromofluorobenzene  | 98.7                    | 79.8 - 114    |                 | 10/15/2015 15:48     |
| Pentafluorobenzene    | 101                     | 91.1 - 111    |                 | 10/15/2015 15:48     |
| Toluene-D8            | 101                     | 90.7 - 107    |                 | 10/15/2015 15:48     |

**Method Reference(s):** EPA 624  
**Data File:** x26929.D



## Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

Each page of this document is part of a multipage report. This document may not be reproduced except in its entirety, without the prior consent of Paradigm Environmental Services, Inc.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

*"<" = Analyzed for but not detected at or above the quantitation limit.*

*"E" = Result has been estimated, calibration limit exceeded.*

*"Z" = See case narrative.*

*"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.*

*"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.*

*"B" = Method blank contained trace levels of analyte. Refer to included method blank report.*

*"J" = Result estimated between the quantitation limit and half the quantitation limit.*

*"L" = Laboratory Control Sample recovery outside accepted QC limits.*

*"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.*

*"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.*

*"\*" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

*"(1)" = Indicates data from primary column used for QC calculation.*

*"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.*

*"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.*

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# GENERAL TERMS AND CONDITIONS

## LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

### **Warranty.**

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

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All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

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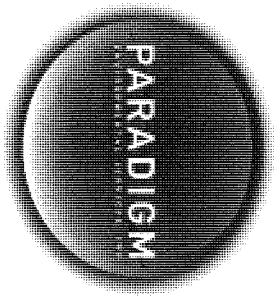
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### **Law.**

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

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# CHAIN OF CUSTODY

1 of 2

|                                                             |  |                                                              |  |                                                             |  |                                                                             |  |
|-------------------------------------------------------------|--|--------------------------------------------------------------|--|-------------------------------------------------------------|--|-----------------------------------------------------------------------------|--|
| <b>REPORT TO:</b>                                           |  | <b>CLIENT:</b>                                               |  | <b>INVOICE TO:</b>                                          |  | <b>LAB PROJECT ID</b>                                                       |  |
| ADDRESS: 10 SENECA ST<br>CITY: PHOENIX STATE: AZ ZIP: 85001 |  | ADDRESS: 10 SENECA ST<br>CITY: PHOENIX STATE: AZ ZIP: 85001  |  | ADDRESS: 10 SENECA ST<br>CITY: PHOENIX STATE: AZ ZIP: 85001 |  | MS 154377                                                                   |  |
| PHONE: 385-2413                                             |  | PHONE: 385-2413                                              |  | PHONE: 385-2413                                             |  | Quotation #: MS-021114                                                      |  |
| ATTN: Green Analytics Air Water                             |  | ATTN: Green Analytics Air Water                              |  | ATTN: Green Analytics Air Water                             |  | Email: gaudrus@wesgivers.com                                                |  |
| PROJECT REFERENCE: Orchard-Water 4/16-09                    |  | Matrix Codes: AQ - Aqueous Liquid<br>NQ - Non-Aqueous Liquid |  | WA - Water<br>WG - Groundwater                              |  | SD - Solid<br>PT - Paint<br>WP - Wipe<br>CK - Caulk<br>OL - Oil<br>AR - Air |  |
| REQUESTED ANALYSIS:                                         |  | DW - Drinking Water<br>WW - Wastewater                       |  | SO - Soil<br>SL - Sludge                                    |  |                                                                             |  |

| DATE COLLECTED | TIME COLLECTED | COMPOSITE | GARB | SAMPLE IDENTIFIER | MACTRI | NUMBERS | REMARKS                                                                    | PARADIGM LAB SAMPLE NUMBER |
|----------------|----------------|-----------|------|-------------------|--------|---------|----------------------------------------------------------------------------|----------------------------|
| 10/15/15       | 1000           |           |      | DW-Frac-101515    | WW     | 7       | CP10-15-15<br>DW permit & budget<br>602 VOR<br>608 PCB<br>RENA Met.<br>TOC | 01                         |
|                |                |           |      |                   |        |         | 625                                                                        |                            |
|                |                |           |      |                   |        |         | REAR metal                                                                 |                            |
|                |                |           |      |                   |        |         | plastic 10/15/15                                                           |                            |

|                                                                       |                                     |                                     |  |
|-----------------------------------------------------------------------|-------------------------------------|-------------------------------------|--|
| <b>Turnaround Time</b>                                                |                                     | <b>Report Supplements</b>           |  |
| Availability contingent upon lab approval; additional fees may apply. |                                     |                                     |  |
| Standard 5 day <input type="checkbox"/>                               | Batch QC <input type="checkbox"/>   | Basic EDD <input type="checkbox"/>  |  |
| Rush 3 day <input type="checkbox"/>                                   | Category A <input type="checkbox"/> | NYSDEC EDD <input type="checkbox"/> |  |
| Rush 2 day <input checked="" type="checkbox"/>                        | Category B <input type="checkbox"/> |                                     |  |
| Rush 1 day <input type="checkbox"/>                                   | Other <input type="checkbox"/>      | Other EDD <input type="checkbox"/>  |  |
| Other <input type="checkbox"/>                                        | Other <input type="checkbox"/>      |                                     |  |

8°C iced/ started in field 10/15/15 11:51

Received By: Steve Gaudrus Date/Time: 10/15/15 11:25

Relinquished By: Steve Gaudrus Date/Time: 10/15/15 11:25

Received @ Lab By: Steve Gaudrus Date/Time: 10/15/15 15:02

8°C iced/ started in field 10/15/15 11:51



### Chain of Custody Supplement

Client: Lu Engineers

Completed by: Glenn Pezzullo

Lab Project ID: 154377

Date: 10/15/15

#### Sample Condition Requirements Per NELAC/ELAP 210/241/242/243/244

| Condition                                  | NELAC compliance with the sample condition requirements upon receipt |                          |                                            |
|--------------------------------------------|----------------------------------------------------------------------|--------------------------|--------------------------------------------|
|                                            | Yes                                                                  | No                       | N/A                                        |
| Container Type                             | <input checked="" type="checkbox"/>                                  | <input type="checkbox"/> | <input type="checkbox"/>                   |
| Comments                                   | _____                                                                |                          |                                            |
| Transferred to method-compliant container  | <input type="checkbox"/>                                             | <input type="checkbox"/> | <input checked="" type="checkbox"/>        |
| Headspace (<1 mL)                          | <input checked="" type="checkbox"/> vOA                              | <input type="checkbox"/> | <input checked="" type="checkbox"/>        |
| Comments                                   | _____                                                                |                          |                                            |
| Preservation                               | <input checked="" type="checkbox"/>                                  | <input type="checkbox"/> | <input checked="" type="checkbox"/> 6/c    |
| Comments                                   | _____                                                                |                          |                                            |
| Chlorine Absent (<0.10 ppm per test strip) | <input checked="" type="checkbox"/> SWA 610                          | <input type="checkbox"/> | <input checked="" type="checkbox"/>        |
| Comments                                   | vOA 624: CI neg.                                                     |                          |                                            |
| Holding Time                               | <input checked="" type="checkbox"/>                                  | <input type="checkbox"/> | <input type="checkbox"/>                   |
| Comments                                   | _____                                                                |                          |                                            |
| Temperature                                | <input checked="" type="checkbox"/>                                  | <input type="checkbox"/> | <input checked="" type="checkbox"/> metals |
| Comments                                   | 8°C iced started in field                                            |                          |                                            |
| Sufficient Sample Quantity                 | <input checked="" type="checkbox"/>                                  | <input type="checkbox"/> | <input type="checkbox"/>                   |
| Comments                                   | _____                                                                |                          |                                            |





**Lab Project ID:** 154368

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-07

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**Sample Identifier:** OW-BOT-04-101515

**Lab Sample ID:** 154368-01

**Date Sampled:** 10/15/2015

**Matrix:** Soil

**Date Received:** 10/15/2015

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**Mercury**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| Mercury                     | <b>0.0353</b> | mg/Kg        |                  | 10/19/2015 13:56     |
| <b>Method Reference(s):</b> | EPA 7471B     |              |                  |                      |
| <b>Preparation Date:</b>    | 10/19/2015    |              |                  |                      |
| <b>Data File:</b>           | Hg151019B     |              |                  |                      |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

*Report Prepared Monday, October 19, 2015*



**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-07

**Sample Identifier:** OW-BOT-04-101515

**Lab Sample ID:** 154368-01

**Date Sampled:** 10/15/2015

**Matrix:** Soil

**Date Received:** 10/15/2015

**RCRA Metals (ICP)**

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic        | <b>3.69</b>   | mg/Kg        | M                | 10/16/2015 17:16     |
| Barium         | <b>29.7</b>   | mg/Kg        |                  | 10/16/2015 17:16     |
| Cadmium        | <b>3.12</b>   | mg/Kg        | M                | 10/16/2015 17:16     |
| Chromium       | <b>9.41</b>   | mg/Kg        | M                | 10/16/2015 17:16     |
| Lead           | <b>9.72</b>   | mg/Kg        | M                | 10/16/2015 17:16     |
| Selenium       | < 0.572       | mg/Kg        |                  | 10/19/2015 14:52     |
| Silver         | < 0.572       | mg/Kg        | M                | 10/16/2015 17:16     |

**Method Reference(s):** EPA 6010C  
EPA 3050  
**Preparation Date:** 10/16/2015  
**Data File:** 101615b

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**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-07

**Sample Identifier:** OW-BOT-04-101515

**Lab Sample ID:** 154368-01

**Date Sampled:** 10/15/2015

**Matrix:** Soil

**Date Received:** 10/15/2015

**Volatile Organics**

| <b>Analyte</b>              | <b>Result</b> | <b>Units</b> | <b>Qualifier</b> | <b>Date Analyzed</b> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| 1,1,1-Trichloroethane       | < 4.56        | ug/Kg        |                  | 10/15/2015 13:45     |
| 1,1,2,2-Tetrachloroethane   | < 4.56        | ug/Kg        |                  | 10/15/2015 13:45     |
| 1,1,2-Trichloroethane       | < 4.56        | ug/Kg        |                  | 10/15/2015 13:45     |
| 1,1-Dichloroethane          | < 4.56        | ug/Kg        |                  | 10/15/2015 13:45     |
| 1,1-Dichloroethene          | < 4.56        | ug/Kg        |                  | 10/15/2015 13:45     |
| 1,2,3-Trichlorobenzene      | < 11.4        | ug/Kg        |                  | 10/15/2015 13:45     |
| 1,2,4-Trichlorobenzene      | < 11.4        | ug/Kg        |                  | 10/15/2015 13:45     |
| 1,2-Dibromo-3-Chloropropane | < 22.8        | ug/Kg        |                  | 10/15/2015 13:45     |
| 1,2-Dibromoethane           | < 4.56        | ug/Kg        |                  | 10/15/2015 13:45     |
| 1,2-Dichlorobenzene         | < 4.56        | ug/Kg        |                  | 10/15/2015 13:45     |
| 1,2-Dichloroethane          | < 4.56        | ug/Kg        |                  | 10/15/2015 13:45     |
| 1,2-Dichloropropane         | < 4.56        | ug/Kg        |                  | 10/15/2015 13:45     |
| 1,3-Dichlorobenzene         | < 4.56        | ug/Kg        |                  | 10/15/2015 13:45     |
| 1,4-Dichlorobenzene         | < 4.56        | ug/Kg        |                  | 10/15/2015 13:45     |
| 1,4-dioxane                 | < 45.6        | ug/Kg        |                  | 10/15/2015 13:45     |
| 2-Butanone                  | < 22.8        | ug/Kg        |                  | 10/15/2015 13:45     |
| 2-Hexanone                  | < 11.4        | ug/Kg        |                  | 10/15/2015 13:45     |
| 4-Methyl-2-pentanone        | < 11.4        | ug/Kg        |                  | 10/15/2015 13:45     |
| Acetone                     | < 22.8        | ug/Kg        |                  | 10/15/2015 13:45     |
| Benzene                     | < 4.56        | ug/Kg        |                  | 10/15/2015 13:45     |
| Bromochloromethane          | < 11.4        | ug/Kg        |                  | 10/15/2015 13:45     |
| Bromodichloromethane        | < 4.56        | ug/Kg        |                  | 10/15/2015 13:45     |
| Bromoform                   | < 11.4        | ug/Kg        |                  | 10/15/2015 13:45     |
| Bromomethane                | < 4.56        | ug/Kg        |                  | 10/15/2015 13:45     |
| Carbon disulfide            | < 4.56        | ug/Kg        |                  | 10/15/2015 13:45     |
| Carbon Tetrachloride        | < 4.56        | ug/Kg        |                  | 10/15/2015 13:45     |
| Chlorobenzene               | < 4.56        | ug/Kg        |                  | 10/15/2015 13:45     |

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**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-07

**Sample Identifier:** OW-BOT-04-101515

**Lab Sample ID:** 154368-01

**Date Sampled:** 10/15/2015

**Matrix:** Soil

**Date Received:** 10/15/2015

|                           |        |       |            |       |
|---------------------------|--------|-------|------------|-------|
| Chloroethane              | < 4.56 | ug/Kg | 10/15/2015 | 13:45 |
| Chloroform                | < 4.56 | ug/Kg | 10/15/2015 | 13:45 |
| Chloromethane             | < 4.56 | ug/Kg | 10/15/2015 | 13:45 |
| cis-1,2-Dichloroethene    | < 4.56 | ug/Kg | 10/15/2015 | 13:45 |
| cis-1,3-Dichloropropene   | < 4.56 | ug/Kg | 10/15/2015 | 13:45 |
| Cyclohexane               | < 22.8 | ug/Kg | 10/15/2015 | 13:45 |
| Dibromochloromethane      | < 4.56 | ug/Kg | 10/15/2015 | 13:45 |
| Dichlorodifluoromethane   | < 4.56 | ug/Kg | 10/15/2015 | 13:45 |
| Ethylbenzene              | < 4.56 | ug/Kg | 10/15/2015 | 13:45 |
| Freon 113                 | < 4.56 | ug/Kg | 10/15/2015 | 13:45 |
| Isopropylbenzene          | < 4.56 | ug/Kg | 10/15/2015 | 13:45 |
| m,p-Xylene                | < 4.56 | ug/Kg | 10/15/2015 | 13:45 |
| Methyl acetate            | < 4.56 | ug/Kg | 10/15/2015 | 13:45 |
| Methyl tert-butyl Ether   | < 4.56 | ug/Kg | 10/15/2015 | 13:45 |
| Methylcyclohexane         | < 4.56 | ug/Kg | 10/15/2015 | 13:45 |
| Methylene chloride        | < 11.4 | ug/Kg | 10/15/2015 | 13:45 |
| o-Xylene                  | < 4.56 | ug/Kg | 10/15/2015 | 13:45 |
| Styrene                   | < 11.4 | ug/Kg | 10/15/2015 | 13:45 |
| Tetrachloroethene         | < 4.56 | ug/Kg | 10/15/2015 | 13:45 |
| Toluene                   | < 4.56 | ug/Kg | 10/15/2015 | 13:45 |
| trans-1,2-Dichloroethene  | < 4.56 | ug/Kg | 10/15/2015 | 13:45 |
| trans-1,3-Dichloropropene | < 4.56 | ug/Kg | 10/15/2015 | 13:45 |
| Trichloroethene           | < 4.56 | ug/Kg | 10/15/2015 | 13:45 |
| Trichlorofluoromethane    | < 4.56 | ug/Kg | 10/15/2015 | 13:45 |
| Vinyl chloride            | < 4.56 | ug/Kg | 10/15/2015 | 13:45 |

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**Lab Project ID:** 154368

**Client:** Lu Engineers, Inc.

**Project Reference:** Orchard-Whitney 4216-07

**Sample Identifier:** OW-BOT-04-101515

**Lab Sample ID:** 154368-01

**Date Sampled:** 10/15/2015

**Matrix:** Soil

**Date Received:** 10/15/2015

| <b>Surrogate</b>      | <b>Percent Recovery</b> | <b>Limits</b> | <b>Outliers</b> | <b>Date Analyzed</b> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | <b>102</b>              | 81.1 - 127    |                 | 10/15/2015 13:45     |
| 4-Bromofluorobenzene  | <b>97.7</b>             | 83 - 114      |                 | 10/15/2015 13:45     |
| Pentafluorobenzene    | <b>99.2</b>             | 91.8 - 110    |                 | 10/15/2015 13:45     |
| Toluene-D8            | <b>99.3</b>             | 91 - 107      |                 | 10/15/2015 13:45     |

**Method Reference(s):** EPA 8260C  
EPA 5035

**Data File:** x26924.D

*This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.*

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Monday, October 19, 2015



## Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

*"<" = Analyzed for but not detected at or above the quantitation limit.*

*"E" = Result has been estimated, calibration limit exceeded.*

*"Z" = See case narrative.*

*"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.*

*"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.*

*"B" = Method blank contained trace levels of analyte. Refer to included method blank report.*

*"J" = Result estimated between the quantitation limit and half the quantitation limit.*

*"L" = Laboratory Control Sample recovery outside accepted QC limits.*

*"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.*  
*"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.*

*"\*" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

*"(1)" = Indicates data from primary column used for QC calculation.*

*"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.*

*"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.*

# GENERAL TERMS AND CONDITIONS

## LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term, or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

### **Warranty.**

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

### **Scope and Compensation.**

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

### **Prices.**

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

### **Limitations of Liability.**

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

### **Hazard Disclosure.**

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

### **Sample Handling.**

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises. Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

### **Legal Responsibility.**

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

### **Assignment.**

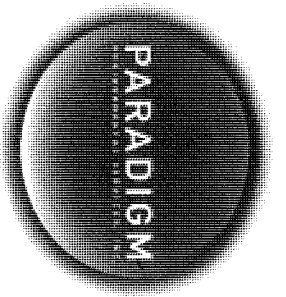
LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

### **Force Majeure.**

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

### **Law.**

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.



**CHAIN OF CUSTODY**

1 of 2

**REPORT TO:**

**INVOICE TO:**

|                                    |                                    |                                 |
|------------------------------------|------------------------------------|---------------------------------|
| CLIENT: <b>LI GARDNER'S</b>        | CLIENT: <b>LI GARDNER'S</b>        | LAB PROJECT ID: <b>151368</b>   |
| ADDRESS: <b>175 SOLWAY MAR 202</b> | ADDRESS: <b>175 SOLWAY MAR 202</b> | Quotation #: <b>M1402-1111A</b> |
| CITY: <b>PITTSBURGH PA 15134</b>   | CITY: <b>PITTSBURGH PA 15134</b>   | Email: <b>gardner@li.com</b>    |
| STATE: <b>PA</b>                   | STATE: <b>PA</b>                   | <b>adherewatch@li.com</b>       |
| ZIP: <b>15134</b>                  | ZIP: <b>15134</b>                  |                                 |
| PHONE: <b>(585) 385-7117</b>       | PHONE: <b>(585) 385-7117</b>       |                                 |
| ATTN: <b>GREG ANDREWS</b>          | ATTN: <b>GREG ANDREWS</b>          |                                 |

**PROJECT REFERENCE**  
Orand-Whitney  
4216-1707

Matrix Codes:  
AQ - Aqueous Liquid  
NAQ - Non-Aqueous Liquid

WA - Water  
WG - Groundwater

DW - Drinking Water  
WW - Wastewater

SO - Soil  
SL - Sludge

SD - Solid  
PT - Paint

WP - Wipe  
CK - Caulk

OL - Oil  
AR - Air

**REQUESTED ANALYSIS**

| DATE COLLECTED | TIME COLLECTED | COMPOSITE | GARB | SAMPLE IDENTIFIER | MATRIX | ANALYSIS | NO. OF SAMPLES | REMARKS               | PARADIGM LAB SAMPLE NUMBER |
|----------------|----------------|-----------|------|-------------------|--------|----------|----------------|-----------------------|----------------------------|
| 10/15/15       | 0740           |           | X    | DN-BOT-04-101515  | SO     | 1        | X              | TEL 8260<br>RURA 6020 | 011                        |
|                |                |           |      |                   |        |          |                |                       |                            |
|                |                |           |      |                   |        |          |                |                       |                            |
|                |                |           |      |                   |        |          |                |                       |                            |
|                |                |           |      |                   |        |          |                |                       |                            |
|                |                |           |      |                   |        |          |                |                       |                            |
|                |                |           |      |                   |        |          |                |                       |                            |
|                |                |           |      |                   |        |          |                |                       |                            |
|                |                |           |      |                   |        |          |                |                       |                            |
|                |                |           |      |                   |        |          |                |                       |                            |
|                |                |           |      |                   |        |          |                |                       |                            |
|                |                |           |      |                   |        |          |                |                       |                            |

**Turnaround Time**

Availability contingent upon lab approval; additional fees may apply.

|                |                                     |            |                                     |            |                                     |
|----------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|
| Standard 5 day | <input type="checkbox"/>            | Batch QC   | <input type="checkbox"/>            | Basic EDD  | <input type="checkbox"/>            |
| Rush 3 day     | <input type="checkbox"/>            | Category A | <input type="checkbox"/>            | NYSDEC EDD | <input checked="" type="checkbox"/> |
| Rush 2 day     | <input checked="" type="checkbox"/> | Category B | <input checked="" type="checkbox"/> |            |                                     |
| Rush 1 day     | <input type="checkbox"/>            |            |                                     |            |                                     |
| Other          | <input type="checkbox"/>            | Other      | <input type="checkbox"/>            | Other EDD  | <input type="checkbox"/>            |

Other please indicate: \_\_\_\_\_

Ami CHENMERSIST 10/15/15 1000

|                                       |                                  |             |                      |
|---------------------------------------|----------------------------------|-------------|----------------------|
| Sampled By: <b>[Signature]</b>        | Date/Time: _____                 | Total Cost: | <input type="text"/> |
| Relinquished By: <b>[Signature]</b>   | Date/Time: _____                 |             |                      |
| Received By: <b>[Signature]</b>       | Date/Time: <b>10/15/15 11:50</b> |             |                      |
| Received @ Lab By: <b>[Signature]</b> | Date/Time: <b>10/15/15 12:17</b> |             |                      |

noticed 10/15/15 11:50  
Custody Seal N/A, samples delivered by client, of 10/15/15





### Chain of Custody Supplement

Client: Lu Engineers Completed by: Glenn Pezzulo  
 Lab Project ID: 154368 Date: 10/15/15

**Sample Condition Requirements**  
 Per NELAC/ELAP 210/241/242/243/244

| Condition                                  | NELAC compliance with the sample condition requirements upon receipt |                                          |                                     |
|--------------------------------------------|----------------------------------------------------------------------|------------------------------------------|-------------------------------------|
|                                            | Yes                                                                  | No                                       | N/A                                 |
| Container Type                             | <input checked="" type="checkbox"/>                                  | <input checked="" type="checkbox"/> 5035 | <input type="checkbox"/>            |
| Comments                                   | _____                                                                |                                          |                                     |
| Transferred to method-compliant container  | <input type="checkbox"/>                                             | <input type="checkbox"/>                 | <input checked="" type="checkbox"/> |
| Headspace (<1 mL)                          | <input type="checkbox"/>                                             | <input type="checkbox"/>                 | <input checked="" type="checkbox"/> |
| Comments                                   | _____                                                                |                                          |                                     |
| Preservation                               | <input type="checkbox"/>                                             | <input type="checkbox"/>                 | <input checked="" type="checkbox"/> |
| Comments                                   | _____                                                                |                                          |                                     |
| Chlorine Absent (<0.10 ppm per test strip) | <input type="checkbox"/>                                             | <input type="checkbox"/>                 | <input checked="" type="checkbox"/> |
| Comments                                   | _____                                                                |                                          |                                     |
| Holding Time                               | <input checked="" type="checkbox"/>                                  | <input type="checkbox"/>                 | <input type="checkbox"/>            |
| Comments                                   | _____                                                                |                                          |                                     |
| Temperature                                | <input checked="" type="checkbox"/>                                  | <input type="checkbox"/>                 | <input type="checkbox"/>            |
| Comments                                   | <u>2°Ciced 10/15/15 11:50</u>                                        |                                          |                                     |
| Sufficient Sample Quantity                 | <input checked="" type="checkbox"/>                                  | <input type="checkbox"/>                 | <input type="checkbox"/>            |
| Comments                                   | _____                                                                |                                          |                                     |

## Appendix D – Photo Log

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## Site Photographs

### SSI and IRM Orchard-Whitney Site

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**Photo No. 1:** Example of contents in test pit.



**Photo No. 2:** Test pit by railroad.



**Photo No. 3:** Test pit by railroad.



**Photo No. 4:** Contents of test pit by railroad.



**Photo No. 5:** Contents of test pit by railroad.



**Photo No. 6:** Contents of test pit by railroad.

## Site Photographs

### SSI and IRM Orchard-Whitney Site

---



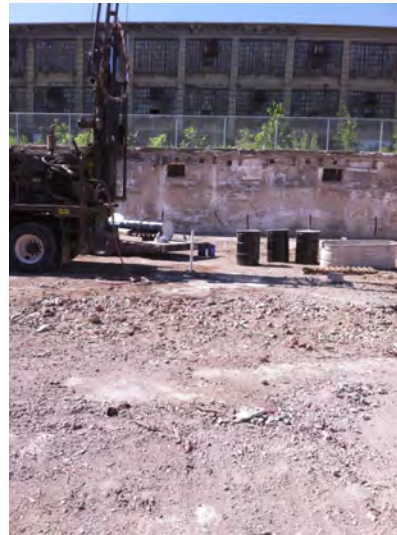
**Photo No. 7:** Former freight elevator shaft.



**Photo No. 8:** Encountered petroleum



**Photo No. 9:** Groundwater entering test pit.



**Photo No. 10:** Soil boring and well installation.

# Site Photographs

## SSI and IRM Orchard-Whitney Site



**Photo No. 11:** Asbestos containing pipe trench.



**Photo No. 12:** Pipe trench with pipes removed.



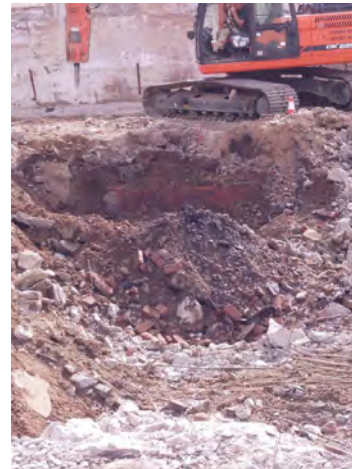
**Photo No. 13:** Pipe trench with pipes removed.



**Photo No. 14:** Hammer and excavation overview.



**Photo No. 15:** Example of encountered subterranean contents. Sheet piling, concrete piling, concrete walls, and pipes.



**Photo No. 16:** Continued concrete removal.

## Site Photographs

SSI and IRM Orchard-Whitney Site



**Photo No. 17:** Hammering concrete.



**Photo No. 18:** Concrete and rebar in the subsurface.



**Photo No. 19:** Encountered concrete slab.



**Photo No. 20:** Continued concrete hammering.



**Photo No. 21:** Groundwater infiltration.



**Photo No. 22:** Petroleum contamination.

## Site Photographs

SSI and IRM Orchard-Whitney Site



**Photo No. 23:** Live-loading petroleum impacted soil.



**Photo No. 24:** Petroleum impacted soil vein.



**Photo No. 25:** Graded Site.



**Photo No. 26:** Graded Site.



**Photo No. 27:** Void spaces filled with existing on-site crushed rubble material.



**Photo No. 28:** Graded Site.

# FINALSITE GRADING PHOTOGRAPHS

## ORCHARD-WHITNEY SITE



**Photo No. 1: Pile Placement Along Wall**



**Photo No. 2: Pile Relocation Along South Wall**



**Photo No. 3: Pile Relocation Along South Wall**



**Photo No. 4: Grading In West Side of Lot**



**Photo No. 5: Vegetation Clearing**



**Photo No. 6: Pile of Debris Taken Offsite**



# FINALSITE GRADING PHOTOGRAPHS ORCHARD-WHITNEY SITE



**Photo No. 7: Plate Cover Installment**



**Photo No. 8: Final Installment of Plate**



**Photo No. 9: Final Berm Built With Building Debris and Dirt**



**Photo No. 10: Final Berm Built With Building Debris and Dirt**



**Photo No. 11: Over all grading from NE Corner**



**Photo No. 12: Over all grading from NW Corner**

## Appendix E – Disposal Documentation

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High Acres LF  
 425 Perinton Pkwy  
 Fairport, NY, 14450  
 Ph: (585) 223-6132

Original  
 Ticket# 1042602

Customer Name TRECENVIRONMENTAL-115554NY TR Carrier MJD M J DREHER TRUCKING, INC.  
 Ticket Date 10/12/2015 Vehicle# bv06 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0006766  
 State Waste Code Gen EPA ID  
 Manifest \*\* Grid CELL 11  
 Destination  
 PO  
 Profile 115554NY (NON HAZARDOUS SOIL)  
 Generator 190-CITYOFROCHESTERORCHARDST CITY OF ROCHESTER

|     | Time                | Scale     | Operator | Inbound | Gross |          |
|-----|---------------------|-----------|----------|---------|-------|----------|
| In  | 10/12/2015 07:43:38 | A_Scale_1 | mmaloney |         | Tare  | 76300 lb |
| Out | 10/12/2015 09:40:15 | B_Scale_2 | mmaloney |         | Net   | 29480 lb |
|     |                     |           |          |         | Tons  | 46820 lb |
|     |                     |           |          |         |       | 23.41    |

Comments

| Product              | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 23.41 | Tons |      |     |        | MON    |
| 2 RCR-P-Regulatory C | 100 |       | %    |      |     |        | MON    |
| 3 EVF-P-Standard Env | 100 |       | %    |      |     |        | MON    |
| 4 LFS-LANDFILL FIXED | 100 |       | %    |      |     |        | MON    |

Total Fees  
 Total Ticket

Driver's Signature \_\_\_\_\_



High Acres LF  
 425 Perinton Pkwy  
 Fairport, NY, 14450  
 Ph: (585) 223-6132

Original  
 Ticket# 1042603

Customer Name TRECENVIRONMENTAL-115554NY TR Carrier MJD M J DREHER TRUCKING, INC.  
 Ticket Date 10/12/2015 Vehicle# MJD3 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0006766  
 State Waste Code Gen EPA ID  
 Manifest \*\* Grid CELL 11  
 Destination  
 PO  
 Profile 115554NY (NON HAZARDOUS SOIL)  
 Generator 190-CITYOFROCHESTERORCHARDST CITY OF ROCHESTER

|     | Time                | Scale     | Operator | Inbound | Gross |          |
|-----|---------------------|-----------|----------|---------|-------|----------|
| In  | 10/12/2015 07:50:01 | A_Scale_1 | mmaloney |         |       | 67240 lb |
| Out | 10/12/2015 08:12:35 | B_Scale_2 | mmaloney |         |       | 30560 lb |
|     |                     |           |          |         | Net   | 36680 lb |
|     |                     |           |          |         | Tons  | 18.34    |

Comments

| Product              | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RC6-Tons | 100 | 18.34 | Tons |      |     |        | MON    |
| 2 RCR-P-Regulatory C | 100 |       | %    |      |     |        | MON    |
| 3 EVF-P-Standard Env | 100 |       | %    |      |     |        | MON    |
| 4 LFS-LANDFILL FIXED | 100 |       | %    |      |     |        | MON    |

Total Fees  
 Total Ticket

Driver's Signature \_\_\_\_\_





High Acres LF  
 425 Perinton Pkwy  
 Fairport, NY, 14450  
 Ph: (585) 223-6132

Original  
 Ticket# 1042611

Customer Name TRECENVIRONMENTAL-115554NY TR Carrier MJD M J DREHER TRUCKING, INC.  
 Ticket Date 10/12/2015 Vehicle# mjd-11 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0006766  
 State Waste Code Gen EPA ID  
 Manifest \*\* Grid CELL 11  
 Destination  
 PD  
 Profile 115554NY (NON HAZARDOUS SOIL)  
 Generator 190-CITYOFROCHESTERORCHARDST CITY OF ROCHESTER

|     | Time                | Scale     | Operator | Inbound | Gross |          |
|-----|---------------------|-----------|----------|---------|-------|----------|
| In  | 10/12/2015 08:11:40 | A_Scale_1 | mmaloney |         | 64980 | 1b       |
| Out | 10/12/2015 08:25:22 | B_Scale_2 | mmaloney |         | 29660 | 1b       |
|     |                     |           |          |         | Net   | 35320 1b |
|     |                     |           |          |         | Tons  | 17.66    |

Comments

| Product              | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 17.66 | Tons |      |     |        | MON    |
| 2 RCR-P-Regulatory C | 100 |       | %    |      |     |        | MON    |
| 3 EVF-P-Standard Env | 100 |       | %    |      |     |        | MON    |
| 4 LFS-LANDFILL FIXED | 100 |       | %    |      |     |        | MON    |

Total Fees  
 Total Ticket

Driver's Signature \_\_\_\_\_





High Acres LF  
 425 Perinton Pkwy  
 Fairport, NY, 14450  
 Ph: (585) 223-6132

Original  
 Ticket# 1042635

Customer Name TRECENVIRONMENTAL-115554NY TR Carrier MJD M J DREHER TRUCKING, INC.  
 Ticket Date 10/12/2015 Vehicle# VV06 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0006766  
 State Waste Code Gen EPA ID  
 Manifest \*\* Grid CELL 11  
 Destination  
 PO  
 Profile 115554NY (NON HAZARDOUS SOIL)  
 Generator 190-CITYOFROCHESTERORCHARDST CITY OF ROCHESTER

|     | Time                | Scale     | Operator | Inbound | Gross |          |
|-----|---------------------|-----------|----------|---------|-------|----------|
| In  | 10/12/2015 09:21:27 | A_Scale_1 | mmaloney |         | 68420 | 1b       |
| Out | 10/12/2015 09:41:07 | B_Scale_2 | mmaloney |         | 29480 | 1b       |
|     |                     |           |          |         | Net   | 38940 1b |
|     |                     |           |          |         | Tons  | 19.47    |

Comments

| Product              | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 19.47 | Tons |      |     |        | MON    |
| 2 RCR-P-Regulatory C | 100 |       | %    |      |     |        | MON    |
| 3 EVF-P-Standard Env | 100 |       | %    |      |     |        | MON    |
| 4 LFS-LANDFILL FIXED | 100 |       | %    |      |     |        | MON    |

Total Fees  
 Total Ticket

Driver's Signature \_\_\_\_\_





High Acres LF  
 425 Perinton Pkwy  
 Fairport, NY, 14450  
 Ph: (585) 223-6132

Original  
 Ticket# 1042640

Customer Name TRECENVIRONMENTAL-115554NY TR Carrier MJD M J DREHER TRUCKING, INC.  
 Ticket Date 10/12/2015 Vehicle# mjd11 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0006766  
 State Waste Code Gen EPA ID  
 Manifest \*\* Grid CELL 11  
 Destination  
 PO  
 Profile 115554NY (NON HAZARDOUS SOIL)  
 Generator 190-CITYOFROCHESTERORCHARDST CITY OF ROCHESTER

|     | Time                | Scale     | Operator | Inbound | Gross | 67780 lb |
|-----|---------------------|-----------|----------|---------|-------|----------|
| In  | 10/12/2015 09:34:43 | A_Scale_1 | mmaloney |         | Tare  | 30180 lb |
| Out | 10/12/2015 09:48:25 | B_Scale_2 | mmaloney |         | Net   | 37600 lb |
|     |                     |           |          |         | Tons  | 18.80    |

Comments

| Product              | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 18.80 | Tons |      |     |        | MON    |
| 2 RCR-P-Regulatory C | 100 |       | %    |      |     |        | MON    |
| 3 EVF-P-Standard Env | 100 |       | %    |      |     |        | MON    |
| 4 LFS-LANDFILL FIXED | 100 |       | %    |      |     |        | MON    |

Total Fees  
 Total Ticket

Driver's Signature \_\_\_\_\_





High Acres LF  
 425 Perinton Pkwy  
 Fairport, NY, 14450  
 Ph: (585) 223-6132

Original  
 Ticket# 1042643

Customer Name TRECENVIRONMENTAL-115554NY TR Carrier MJD M J DREHER TRUCKING, INC.  
 Ticket Date 10/12/2015 Vehicle# MJD3 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0006766  
 State Waste Code Gen EPA ID  
 Manifest \*\* Grid CELL 11  
 Destination  
 PO  
 Profile 115554NY (NON HAZARDOUS SOIL)  
 Generator 190-CITYOFROCHESTERORCHARDST CITY OF ROCHESTER

|     | Time                | Scale     | Operator | Inbound | Gross | 70020 lb |
|-----|---------------------|-----------|----------|---------|-------|----------|
| In  | 10/12/2015 09:39:00 | A_Scale_1 | JMARVIN  |         | Tare  | 29880 lb |
| Out | 10/12/2015 09:53:07 | B_Scale_2 | mmaloney |         | Net   | 40140 lb |
|     |                     |           |          |         | Tons  | 20.07    |

Comments

| Product              | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 20.07 | Tons |      |     |        | MON    |
| 2 RCR-P-Regulatory C | 100 |       | %    |      |     |        | MON    |
| 3 EVF-P-Standard Env | 100 |       | %    |      |     |        | MON    |
| 4 LFS-LANDFILL FIXED | 100 |       | %    |      |     |        | MON    |

Total Fees  
 Total Ticket

Driver's Signature \_\_\_\_\_







High Acres LF  
 425 Perinton Pkwy  
 Fairport, NY, 14450  
 Ph: (585) 223-6132

Original  
 Ticket# 1042664

Customer Name TRECENVIRONMENTAL-115554NY TR Carrier MJD M J DREHER TRUCKING, INC.  
 Ticket Date 10/12/2015 Vehicle# VV06 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0006766  
 State Waste Code Gen EPA ID  
 Manifest \*\* Grid CELL 11  
 Destination  
 PO Profile 115554NY (NON HAZARDOUS SOIL)  
 Generator 190-CITYOFROCHESTERORCHARDST CITY OF ROCHESTER

|     | Time                | Scale     | Operator | Inbound | Gross |          |
|-----|---------------------|-----------|----------|---------|-------|----------|
| In  | 10/12/2015 10:54:04 | A_Scale_1 | mmaloney |         |       | 66040 lb |
| Out | 10/12/2015 11:07:48 | A_Scale_2 | mmaloney |         |       | 29420 lb |
|     |                     |           |          |         | Net   | 36620 lb |
|     |                     |           |          |         | Tons  | 18.31    |

Comments

| Product              | LDX | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 18.31 | Tons |      |     |        | MON    |
| 2 RCR-P-Regulatory C | 100 |       | %    |      |     |        | MON    |
| 3 EVF-P-Standard Env | 100 |       | %    |      |     |        | MON    |
| 4 LFS-LANDFILL FIXED | 100 |       | %    |      |     |        | MON    |

Total Fees  
 Total Ticket

Driver's Signature \_\_\_\_\_



High Acres LF  
 425 Perinton Pkwy  
 Fairport, NY, 14450  
 Ph: (585) 223-6132

Original  
 Ticket# 1042680

Customer Name TRECENVIRONMENTAL-115554NY TR Carrier MJD M J DREHER TRUCKING, INC.  
 Ticket Date 10/12/2015 Vehicle# mjd11 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0006766  
 State Waste Code Gen EPA ID  
 Manifest \*\* Grid CELL 11  
 Destination  
 PO

Profile 115554NY (NON HAZARDOUS SOIL)  
 Generation 10/12/2015 11:22:33 A\_Scale\_2 maloney  
 Out 10/12/2015 11:22:33 A\_Scale\_2 maloney  
 City of Rochester Inbound  
 Gross 60000 lb  
 Net 34680 lb  
 Tons 17.34

Comments

| Product              | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 17.34 | Tons |      |     |        | MON    |
| 2 RCR-P-Regulatory C | 100 |       | %    |      |     |        | MON    |
| 3 EVF-P-Standard Env | 100 |       | %    |      |     |        | MON    |
| 4 LFS-LANDFILL FIXED | 100 |       | %    |      |     |        | MON    |

Total Fees  
 Total Ticket

Driver's Signature \_\_\_\_\_





High Acres LF  
 425 Perinton Pkwy  
 Fairport, NY, 14450  
 Ph: (585) 223-6132

Original  
 Ticket# 1042680

Customer Name TRECENVIRONMENTAL-115554NY TR Carrier MJD M J DREHER TRUCKING, INC.  
 Ticket Date 10/12/2015 Vehicle# mjd11 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0006766  
 State Waste Code Gen EPA ID  
 Manifest \*\* Grid CELL 11  
 Destination  
 PO

Profile 115554NY (NON HAZARDOUS SOIL)  
 Generation 10/12/2015 11:22:33 A\_Scale\_2 maloney  
 Out 10/12/2015 11:22:33 A\_Scale\_2 maloney  
 City of Rochester Inbound  
 Gross 60000 lb  
 Net 34680 lb  
 Tons 17.34

Comments

| Product              | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 17.34 | Tons |      |     |        | MON    |
| 2 RCR-P-Regulatory C | 100 |       | %    |      |     |        | MON    |
| 3 EVF-P-Standard Env | 100 |       | %    |      |     |        | MON    |
| 4 LFS-LANDFILL FIXED | 100 |       | %    |      |     |        | MON    |

Total Fees  
 Total Ticket

Driver's Signature \_\_\_\_\_





High Acres LF  
 425 Perinton Pkwy  
 Fairport, NY, 14450  
 Ph: (585) 223-6132

Original  
 Ticket# 1042737

Customer Name TRECENVIRONMENTAL-115554NY TR Carrier MJD M J DREHER TRUCKING, INC.  
 Ticket Date 10/12/2015 Vehicle# VV06 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0006766  
 State Waste Code Gen EPA ID  
 Manifest \*\* Grid CELL 11  
 Destination  
 PO  
 Profile 115554NY (NON HAZARDOUS SOIL)  
 Generator 190-CITYOFROCHESTERORCHARDST CITY OF ROCHESTER

|     | Time                | Scale     | Operator | Inbound | Gross |          |
|-----|---------------------|-----------|----------|---------|-------|----------|
| In  | 10/12/2015 12:29:01 | A_Scale_1 | maloney  |         | Tare  | 72120 lb |
| Out | 10/12/2015 12:29:01 |           | maloney  |         | Net   | 29420 lb |
|     |                     |           |          |         | Tons  | 42700 lb |
|     |                     |           |          |         |       | 21.35    |

Comments

| Product              | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 21.35 | Tons |      |     |        | MON    |
| 2 RCR-P-Regulatory C | 100 |       | %    |      |     |        |        |
| 3 EVF-P-Standard Env | 100 |       | %    |      |     |        |        |
| 4 LFS-LANDFILL FIXED | 100 |       | %    |      |     |        |        |

Total Fees  
 Total Ticket

Driver's Signature \_\_\_\_\_





High Acres LF  
 425 Perinton Pkwy  
 Fairport, NY, 14450  
 Ph: (585) 223-6132

Original  
 Ticket# 1042743

Customer Name TRECENVIRONMENTAL-115554NY TR Carrier MJD M J DREHER TRUCKING, INC.  
 Ticket Date 10/12/2015 Vehicle# mjd11 Volume  
 Payment Type Credit Account, Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0006766  
 State Waste Code Gen EPA ID  
 Manifest \*\* Grid CELL 11  
 Destination  
 Profile 115554NY (NON HAZARDOUS SOIL)  
 Generator 190-CITYOFROCHESTERORCHARDST CITY OF ROCHESTER

|     | Time                | Scale     | Operator | Inbound | Gross |          |
|-----|---------------------|-----------|----------|---------|-------|----------|
| In  | 10/12/2015 12:43:39 | A_Scale_1 | JMARVIN  |         |       | 73140 lb |
| Out | 10/12/2015 12:43:39 |           | JMARVIN  |         |       | 30160 lb |
|     |                     |           |          |         | Net   | 42980 lb |
|     |                     |           |          |         | Tons  | 21.49    |

Comments

| Product              | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCB-Tons | 100 | 21.49 | Tons |      |     |        | MON    |
| 2 RCR-P-Regulatory C | 100 |       | %    |      |     |        | MON    |
| 3 EVF-P-Standard Env | 100 |       | %    |      |     |        | MON    |
| 4 LFS-LANDFILL FIXED | 100 |       | %    |      |     |        | MON    |

Total Fees  
 Total Ticket

Driver's Signature \_\_\_\_\_





High Acres LF  
 425 Perinton Pkwy  
 Fairport, NY, 14450  
 Ph: (585) 223-6132

Original  
 Ticket# 1042762

Customer Name TRECENVIRONMENTAL-115554NY TR Carrier MJD M J DREHER TRUCKING, INC.  
 Ticket Date 10/12/2015 Vehicle# MJD3 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0006766  
 State Waste Code Gen EPA ID  
 Manifest \*\* Grid CELL 11  
 Destination  
 PO  
 Profile 115554NY (NON HAZARDOUS SOIL)  
 Generator 190-CITYOFROCHESTERORCHARDST CITY OF ROCHESTER

|     | Time                | Scale     | Operator | Inbound | Gross    |          |
|-----|---------------------|-----------|----------|---------|----------|----------|
| In  | 10/12/2015 13:04:36 | A_Scale_1 | MMALONEY |         | 70360 lb |          |
| Out | 10/12/2015 13:04:36 |           | MMALONEY |         | 30060 lb |          |
|     |                     |           |          |         | Net      | 40300 lb |
|     |                     |           |          |         | Tons     | 20.15    |

Comments

| Product              | LDX | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 20.15 | Tons |      |     |        | MON    |
| 2 RCR-P-Regulatory C | 100 |       | %    |      |     |        | MON    |
| 3 EVF-P-Standard Env | 100 |       | %    |      |     |        | MON    |
| 4 LFS-LANDFILL FIXED | 100 |       | %    |      |     |        | MON    |

Total Fees  
 Total Ticket

Driver's Signature \_\_\_\_\_





High Acres LF  
 425 Perinton Pkwy  
 Fairport, NY, 14450  
 Ph: (585) 223-6132

Original  
 Ticket# 1042795

Customer Name TRECENVIRONMENTAL-115554NY TR Carrier MJD M J DREHER TRUCKING, INC.  
 Ticket Date 10/12/2015 Vehicle# VV05 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Waste Code# BENDER# #DCE0006766  
 Destination

PO  
 Profile 115554NY (NON HAZARDOUS SOIL)  
 Generator 190-CITYOFROCHESTERORCHARDST CITY OF ROCHESTER

|     | Time                | Scale     | Operator | Inbound | Gross    |       |
|-----|---------------------|-----------|----------|---------|----------|-------|
| In  | 10/12/2015 14:00:53 | A_Scale_1 | mmaloney |         | 67440 lb |       |
| Out | 10/12/2015 14:00:53 |           | mmaloney |         | 29420 lb |       |
|     |                     |           |          |         | 38020 lb |       |
|     |                     |           |          |         | Tons     | 19.01 |

Comments

| Product              | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 19.01 | Tons |      |     |        | MON    |
| 2 RCR-P-Regulatory C | 100 |       | %    |      |     |        | MON    |
| 3 EVF-P-Standard Env | 100 |       | %    |      |     |        | MON    |
| 4 LFS-LANDFILL FIXED | 100 |       | %    |      |     |        | MON    |

Total Fees  
 Total Ticket

Driver's Signature \_\_\_\_\_





High Acres LF  
 425 Perinton Pkwy  
 Fairport, NY, 14450  
 Ph: (585) 223-6132

Original  
 Ticket# 1042820

Customer Name TRECENVIRONMENTAL-115554NY TR Carrier MJD M J DREHER TRUCKING, INC.  
 Ticket Date 10/12/2015 Vehicle# MJD3 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0006766  
 State Waste Code Gen EPA ID  
 Manifest \*\* Grid CELL 11  
 Definition 115554NY (NON HAZARDOUS SOIL)  
 Generator 190-CITYOFROCHESTERORCHARDST CITY OF ROCHESTER

|     | Time                | Scale     | Operator | Inbound | Gross |          |
|-----|---------------------|-----------|----------|---------|-------|----------|
| In  | 10/12/2015 14:32:21 | A_Scale_1 | maloney  |         | 68040 | 1b       |
| Out | 10/12/2015 14:32:21 |           | maloney  |         | 30060 | 1b       |
|     |                     |           |          |         | Net   | 37980 1b |
|     |                     |           |          |         | Tons  | 18.99    |

Comments

| Product              | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 18.99 | Tons |      |     |        | MON    |
| 2 RCR-P-Regulatory C | 100 |       | %    |      |     |        | MON    |
| 3 EVF-P-Standard Env | 100 |       | %    |      |     |        | MON    |
| 4 LFS-LANDFILL FIXED | 100 |       | %    |      |     |        | MON    |

Total Ticket Total Fees

Driver's Signature \_\_\_\_\_





High Acres LF  
 425 Perinton Pkwy  
 Fairport, NY, 14450  
 Ph: (585) 223-6132

Original  
 Ticket# 1042797

Customer Name TRECENVIRONMENTAL-115554NY TR Carrier MJD M J DREHER TRUCKING, INC.  
 Ticket Date 10/12/2015 Vehicle# mjd11 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0006766  
 State Waste Code Gen EPA ID  
 Manifest \*\* Grid CELL 11  
 Destination

|                |                                    |           |         |       |          |
|----------------|------------------------------------|-----------|---------|-------|----------|
| Benefit Volume | 190584MYOKNONH801880808A80S106170F | ROCHESTER | Inbound | Gross | 69480 lb |
| In             | 10/12/2015 14:07:02 A_Scale_1      | mmaloney  |         | Tare  | 30160 lb |
| Out            | 10/12/2015 14:07:02                | mmaloney  |         | Net   | 39320 lb |
|                |                                    |           |         | Tons  | 19.66    |

Comments

| Product              | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 19.66 | Tons |      |     |        | MON    |
| 2 RCR-P-Regulatory C | 100 |       | %    |      |     |        | MON    |
| 3 EVF-P-Standard Env | 100 |       | %    |      |     |        | MON    |
| 4 LFS-LANDFILL FIXED | 100 |       | %    |      |     |        | MON    |

Total Fees  
 Total Ticket

Driver's Signature \_\_\_\_\_



High Acres LF  
 425 Perinton Pkwy  
 Fairport, NY, 14450  
 Ph: (585) 223-6138

Original  
 Ticket# 1043069

Customer Name: TRECENVIRONMENTAL-115554NY TR. Carrier: MJD M J DREHER TRUCKING, INC.  
 Ticket Date: 10/13/2015 Vehicle# 12 Volume  
 Payment Type: Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing #: 0006766  
 State Waste Code Gen EPA ID  
 Manifest \*\* Grid CELL 11  
 Destination  
 Profile 115554NY (NON HAZARDOUS SOIL)  
 Generator 190-CITYOFROCHESTERORCHARDST CITY OF ROCHESTER

|                         |           |          |         |       |          |
|-------------------------|-----------|----------|---------|-------|----------|
| Time                    | Scale     | Operator | Inbound | Gross | 70688 lb |
| In 10/13/2015 14:49:57  | A_Scale_1 | JFRUTCHE |         | Tare  | 29400 lb |
| Out 10/13/2015 14:49:57 |           | JFRUTCHE |         | Net   | 41288 lb |
| Comments                |           |          |         | Tons  | 20.64    |

| Product                   | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|---------------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont. Soil REG-Tons 100 |     | 20.64 | Tons |      |     |        | MON    |
| 2 RCR-P-Regulatory C 100  |     |       | %    |      |     |        | MON    |
| 3 EVF-P-Standard Env 100  |     |       | %    |      |     |        | MON    |
| 4 LFB-LANDFILL FIXED 100  |     |       | %    |      |     |        | MON    |

Total Fees  
 Total Ticket

Driver's Signature: \_\_\_\_\_

404WM

|                                                                                                                                      |                                                     |                            |                            |
|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|----------------------------|----------------------------|
| DESIGNATED FACILITY                                                                                                                  | 17b. Alternate Facility (or Generator)              | Manifest Reference Number: | U.S. EPA ID Number         |
|                                                                                                                                      | Facility's Phone:                                   |                            |                            |
|                                                                                                                                      | 17c. Signature of Alternate Facility (or Generator) |                            |                            |
| Month Day Year                                                                                                                       |                                                     |                            |                            |
| 18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a |                                                     |                            |                            |
| Printed/Typed Name<br>Joene Frutcha                                                                                                  |                                                     | Signature<br>J. Frutcha    | Month Day Year<br>10/13/15 |



High Acres LF  
 425 Perinton Pkwy  
 Fairport, NY, 14450  
 Ph: (585) 223-6132

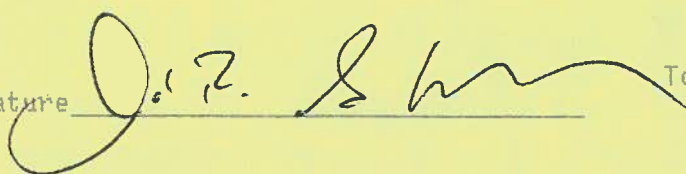
Original  
 Ticket# 1042886

Customer Name TRECENVIRONMENTAL-115554NY TR Carrier MJD M J DREHER TRUCKING, INC.  
 Ticket Date 10/13/2015 Vehicle# mjd12 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0006766  
 State Waste Code Gen EPA ID  
 Manifest \*\* Grid CELL 11  
 Destination  
 PO  
 Profile 115554NY (NON HAZARDOUS SOIL)  
 Generator 190-CITYOFROCHESTERORCHARDST CITY OF ROCHESTER

|     | Time                | Scale     | Operator | Inbound | Gross |          |
|-----|---------------------|-----------|----------|---------|-------|----------|
| In  | 10/13/2015 08:14:06 | A_Scale_1 | mmaloney |         | 70780 | 1b       |
| Out | 10/13/2015 08:30:45 | B_Scale_2 | mmaloney |         | 29840 | 1b       |
|     |                     |           |          |         | Net   | 40940 1b |
|     |                     |           |          |         | Tons  | 20.47    |

Comments

| Product              | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 20.47 | Tons |      |     |        | MON    |
| 2 RCR-P-Regulatory C | 100 |       | %    |      |     |        | MON    |
| 3 EVF-P-Standard Env | 100 |       | %    |      |     |        | MON    |
| 4 LFS-LANDFILL FIXED | 100 |       | %    |      |     |        | MON    |

Driver's Signature  Total Ticket Total Fees





High Acres LF  
 425 Perinton Pkwy  
 Fairport, NY, 14450  
 Ph: (585) 223-6132

Original  
 Ticket# 1042903

Customer Name TRECENVIRONMENTAL-115554NY TR Carrier MJD M J DREHER TRUCKING, INC.  
 Ticket Date 10/13/2015 Vehicle# JT01 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0006766  
 State Waste Code Gen EPA ID  
 Manifest \*\* Grid CELL 11  
 Destination  
 PO  
 Profile 115554NY (NON HAZARDOUS SOIL)  
 Generator 190-CITYOFROCHESTERORCHARDST CITY OF ROCHESTER

|     | Time                | Scale     | Operator | Inbound | Gross |          |
|-----|---------------------|-----------|----------|---------|-------|----------|
| In  | 10/13/2015 08:40:13 | A_Scale_1 | mmaloney |         |       | 63080 1b |
| Out | 10/13/2015 08:54:11 | B_Scale_2 | mmaloney |         |       | 27900 1b |
|     |                     |           |          |         | Net   | 35180 1b |
|     |                     |           |          |         | Tons  | 17.59    |

Comments

| Product              | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 17.59 | Tons |      |     |        | MON    |
| 2 RCR-P-Regulatory C | 100 |       | %    |      |     |        | MON    |
| 3 EVF-P-Standard Env | 100 |       | %    |      |     |        | MON    |
| 4 LFS-LANDFILL FIXED | 100 |       | %    |      |     |        | MON    |

Total Fees  
 Total Ticket

Driver's Signature \_\_\_\_\_





High Acres LF  
 425 Perinton Pkwy  
 Fairport, NY, 14450  
 Ph: (585) 223-6132

Original  
 Ticket# 1042894

Customer Name TRECENVIRONMENTAL-115554NY TR Carrier MJD M J DREHER TRUCKING, INC.  
 Ticket Date 10/13/2015 Vehicle# 3 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0006756  
 State Waste Code Gen EPA ID  
 Manifest \*\* Grid CELL 11  
 Destination  
 PO  
 Profile 115554NY (NON HAZARDOUS SOIL)  
 Generator 190-CITYOFROCHESTERDRCHARDST CITY OF ROCHESTER

Qt 10/13/2015 08:28:59 A\_Scale\_1 Operator Inbound Gross Net Tons  
 21350 lb  
 20900 lb  
 21.45

Comments

| Product              | LDX | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 21.45 | Tons |      |     |        | MON    |
| 2 RCR-P-Regulatory C | 100 |       | %    |      |     |        | MON    |
| 3 EVF-P-Standard Env | 100 |       | %    |      |     |        | MON    |
| 4 LFS-LANDFILL FIXED | 100 |       | %    |      |     |        | MON    |

Total Fees  
 Total Ticket

Driver's Signature \_\_\_\_\_



High Acres LF  
 425 Perinton Pkwy  
 Fairport, NY, 14450  
 Ph: (585) 223-6132

Original  
 Ticket# 1042901

Customer Name TRECENVIRONMENTAL-115554NY TR Carrier MJD M J DREHER TRUCKING, INC.  
 Ticket Date 10/13/2015 Vehicle# VV06 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0006766  
 State Waste Code Gen EPA ID  
 Manifest \*\* Grid CELL 11  
 Destination  
 PO  
 Profile 115554NY (NON HAZARDOUS SOIL)  
 Generator 190-CITYOFROCHESTERORCHARDST CITY OF ROCHESTER

|     | Time                | Scale     | Operator | Inbound | Gross |       |
|-----|---------------------|-----------|----------|---------|-------|-------|
| In  | 10/13/2015 08:36:53 | A_Scale_1 | mmaloney |         | 69200 | 1b    |
| Out | 10/13/2015 08:36:53 |           | mmaloney |         | 29420 | 1b    |
|     |                     |           |          |         | Net   | 39780 |
|     |                     |           |          |         | Tons  | 19.89 |

Comments

| Product              | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 19.89 | Tons |      |     |        | MON    |
| 2 RCR-P-Regulatory C | 100 |       | %    |      |     |        | MON    |
| 3 EVF-P-Standard Env | 100 |       | %    |      |     |        | MON    |
| 4 LFS-LANDFILL FIXED | 100 |       | %    |      |     |        | MON    |

Total Fees  
 Total Ticket

Driver's Signature \_\_\_\_\_



High Acres LF  
 425 Perinton Pkwy  
 Fairport, NY, 14450  
 Ph: (585) 223-6132

Original  
 Ticket# 1042936

Customer Name TRECENVIRONMENTAL-115554NY TR Carrier MJD M J DREHER TRUCKING, INC.  
 Ticket Date 10/13/2015 Vehicle# VV06 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0006766  
 State Waste Code Gen EPA ID  
 Manifest \*\* Grid CELL 11  
 Destination  
 PO  
 Profile 115554NY (NON HAZARDOUS SOIL)  
 Generator 190-CITYOFROCHESTERORCHARDST CITY OF ROCHESTER

|     | Time                | Scale     | Operator | Inbound | Gross |       |
|-----|---------------------|-----------|----------|---------|-------|-------|
| In  | 10/13/2015 10:14:39 | B_Scale_1 | mmaloney |         | 66820 | 1b    |
| Out | 10/13/2015 10:14:39 |           | mmaloney |         | 29420 | 1b    |
|     |                     |           |          |         | 37400 | 1b    |
|     |                     |           |          |         |       | 18.70 |

Comments

| Product              | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 18.70 | Tons |      |     |        | MON    |
| 2 RCR-P-Regulatory C | 100 |       | %    |      |     |        | MON    |
| 3 EVF-P-Standard Env | 100 |       | %    |      |     |        | MON    |
| 4 LPS-LANDFILL FIXED | 100 |       | %    |      |     |        | MON    |

Total Fees  
 Total Ticket

Driver's Signature \_\_\_\_\_





High Acres LF  
 425 Perinton Pkwy  
 Fairport, NY, 14450  
 Ph: (585) 223-6132

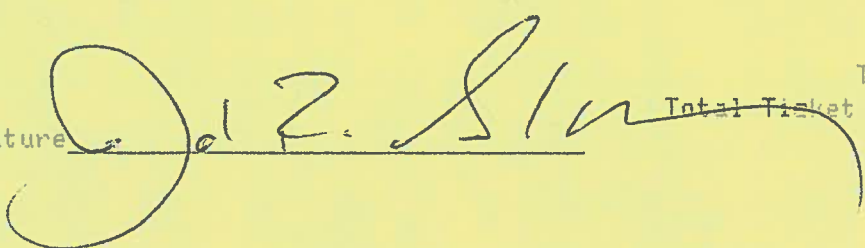
Original  
 Ticket# 1042926

Customer Name TRECENVIRONMENTAL-115554NY TR Carrier MJD M J DREHER TRUCKING, INC.  
 Ticket Date 10/13/2015 Vehicle# mjd12 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0006766  
 State Waste Code Gen EPA ID  
 Manifest \*\* Grid CELL 11  
 Destination  
 PO  
 Profile 115554NY (NON HAZARDOUS SOIL)  
 Generator 190-CITYOFROCHESTERORCHARDST CITY OF ROCHESTER

|     | Time                | Scale     | Operator | Inbound | Gross |          |
|-----|---------------------|-----------|----------|---------|-------|----------|
| In  | 10/13/2015 09:47:19 | B_Scale_1 | mmaloney |         | Tare  | 81840 lb |
| Out | 10/13/2015 09:47:19 |           | mmaloney |         | Net   | 29840 lb |
|     |                     |           |          |         | Tons  | 52000 lb |
|     |                     |           |          |         |       | 26.00    |

Comments

| Product              | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 26.00 | Tons |      |     |        | MON    |
| 2 RCR-P-Regulatory C | 100 |       | %    |      |     |        | MON    |
| 3 EVF-P-Standard Env | 100 |       | %    |      |     |        | MON    |
| 4 LFS-LANDFILL FIXED | 100 |       | %    |      |     |        | MON    |

Driver's Signature  Total Ticket Total Fees







High Acres LF  
 425 Perinton Pkwy  
 Fairport, NY, 14450  
 Ph: (585) 223-6132

Original  
 Ticket# 1042938

Customer Name TRECENVIRONMENTAL-115554NY TR Carrier MJD M J DREHER TRUCKING, INC.  
 Ticket Date 10/13/2015 Vehicle# JT01 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0006766  
 State Waste Code Gen EPA ID  
 Manifest \*\* Grid CELL 11  
 Destination  
 PO  
 Profile 115554NY (NON HAZARDOUS SOIL)  
 Generator 190-CITYOFROCHESTERORCHARDST CITY OF ROCHESTER

|     | Time                | Scale     | Operator | Inbound | Gross | 64820 lb |
|-----|---------------------|-----------|----------|---------|-------|----------|
| In  | 10/13/2015 10:22:23 | B_Scale_1 | mmaloney |         | Tare  | 27900 lb |
| Out | 10/13/2015 10:22:23 |           | mmaloney |         | Net   | 36920 lb |
|     |                     |           |          |         | Tons  | 18.46    |

Comments

| Product              | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 18.46 | Tons |      |     |        | MON    |
| 2 RCR-P-Regulatory C | 100 |       | %    |      |     |        | MON    |
| 3 EVF-P-Standard Env | 100 |       | %    |      |     |        | MON    |
| 4 LFS-LANDFILL FIXED | 100 |       | %    |      |     |        | MON    |

Total Fees  
 Total Ticket

Driver's Signature \_\_\_\_\_





High Acres LF  
 425 Perinton Pkwy  
 Fairport, NY, 14450  
 Ph: (585) 223-6132

Original  
 Ticket# 1042935

Customer Name TRECENVIRONMENTAL-115554NY TR Carrier MJD M J DREHER TRUCKING, INC.  
 Ticket Date 10/13/2015 Vehicle# MJD3 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0006766  
 State Waste Code Gen EPA ID  
 Manifest \*\* Grid CELL 11  
 Destination  
 PO  
 Profile 115554NY (NON HAZARDOUS SOIL)  
 Generator 190-CITYOFROCHESTERORCHARDST CITY OF ROCHESTER

|     | Time                | Scale     | Operator | Inbound | Gross |          |
|-----|---------------------|-----------|----------|---------|-------|----------|
| In  | 10/13/2015 10:11:54 | B_Scale_1 | mmaloney |         | 67600 | 1b       |
| Out | 10/13/2015 10:11:54 |           | mmaloney |         | 30060 | 1b       |
|     |                     |           |          |         | Net   | 37540 1b |
|     |                     |           |          |         | Tons  | 18.77    |

Comments

| Product              | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 18.77 | Tons |      |     |        | MON    |
| 2 RCR-P-Regulatory C | 100 |       | %    |      |     |        | MON    |
| 3 EVF-P-Standard Env | 100 |       | %    |      |     |        | MON    |
| 4 LFS-LANDFILL FIXED | 100 |       | %    |      |     |        | MON    |

Total Fees  
 Total Ticket

Driver's Signature \_\_\_\_\_





High Acres LF  
 425 Perinton Pkwy  
 Fairport, NY, 14450  
 Ph: (585) 223-6132

Original  
 Ticket# 1042956

Customer Name TRECENVIRONMENTAL-115554NY TR Carrier MJD M J DREHER TRUCKING, INC.  
 Ticket Date 10/13/2015 Vehicle# mjd12 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0006766  
 State Waste Code Gen EPA ID  
 Manifest \*\* Grid CELL 11  
 Destination  
 PO  
 Profile 115554NY (NON HAZARDOUS SOIL)  
 Generator 190-CITYOFROCHESTERORCHARDST CITY OF ROCHESTER

|     | Time                | Scale     | Operator | Inbound | Gross    |          |
|-----|---------------------|-----------|----------|---------|----------|----------|
| In  | 10/13/2015 11:17:29 | A_Scale_1 | MMALONEY |         | 69540 lb |          |
| Out | 10/13/2015 11:17:29 |           | MMALONEY |         | 29840 lb |          |
|     |                     |           |          |         | Net      | 39700 lb |
|     |                     |           |          |         | Tons     | 19.85    |

Comments

| Product              | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 19.85 | Tons |      |     |        | MON    |
| 2 RCR-P-Regulatory C | 100 |       | %    |      |     |        | MON    |
| 3 EVF-P-Standard Env | 100 |       | %    |      |     |        | MON    |
| 4 LFS-LANDFILL FIXED | 100 |       | %    |      |     |        | MON    |

Driver's Signature  Total Ticket Total Fees





High Acres LF  
 425 Perinton Pkwy  
 Fairport, NY, 14450  
 Ph: (585) 223-6132

Original  
 Ticket# 1042962

Customer Name TRECEENVIRONMENTAL-115554NY TR Carrier MJD M J DREHER TRUCKING, INC.  
 Ticket Date 10/13/2015 Vehicle# VV06 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0006766  
 State Waste Code Gen EPA ID  
 Manifest \*\* Grid CELL 11  
 Destination  
 PO  
 Profile 115554NY (NON HAZARDOUS SOIL)  
 Generator 190-CITYOFROCHESTERORCHARDST CITY OF ROCHESTER

|     | Time                | Scale     | Operator | Inbound | Gross    |          |
|-----|---------------------|-----------|----------|---------|----------|----------|
| In  | 10/13/2015 11:38:27 | A_Scale_1 | MMALONEY |         | 67860 lb |          |
| Out | 10/13/2015 11:38:27 |           | MMALONEY |         | 29420 lb |          |
|     |                     |           |          |         | Net      | 38440 lb |
|     |                     |           |          |         | Tons     | 19.22    |

Comments

| Product              | LD% | Qty   | UDM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 19.22 | Tons |      |     |        | MON    |
| 2 RCR-P-Regulatory C | 100 |       | %    |      |     |        |        |
| 3 EVF-P-Standard Env | 100 |       | %    |      |     |        |        |
| 4 LFS-LANDFILL FIXED | 100 |       | %    |      |     |        |        |

Total Fees  
 Total Ticket

Driver's Signature \_\_\_\_\_





High Acres LF  
 425 Perinton Pkwy  
 Fairport, NY, 14450  
 Ph: (585) 223-6132

Original  
 Ticket# 1042967

Customer Name TRECEENVIRONMENTAL-115554NY TR Carrier MJD M J DREHER TRUCKING, INC.  
 Ticket Date 10/13/2015 Vehicle# JT01 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0006766  
 State Waste Code Gen EPA ID  
 Manifest \*\* Grid CELL 11  
 Destination  
 PO  
 Profile 115554NY (NON HAZARDOUS SOIL)  
 Generator 190-CITYOFROCHESTERORCHARDST CITY OF ROCHESTER

|     | Time                | Scale     | Operator | Inbound | Gross |          |
|-----|---------------------|-----------|----------|---------|-------|----------|
| In  | 10/13/2015 11:45:58 | A_Scale_1 | MMALONEY |         |       | 65040 lb |
| Out | 10/13/2015 11:45:58 |           | MMALONEY |         | Tare  | 27900 lb |
|     |                     |           |          |         | Net   | 37140 lb |
|     |                     |           |          |         | Tons  | 18.57    |

Comments

| Product              | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 18.57 | Tons |      |     |        | MON    |
| 2 RCR-P-Regulatory C | 100 |       | %    |      |     |        | MON    |
| 3 EVF-P-Standard Env | 100 |       | %    |      |     |        | MON    |
| 4 LFS-LANDFILL FIXED | 100 |       | %    |      |     |        | MON    |

Total Fees  
 Total Ticket

Driver's Signature \_\_\_\_\_





High Acres LF  
 425 Perinton Pkwy  
 Fairport, NY, 14450  
 Ph: (585) 223-6132

Original  
 Ticket# 1042973

Customer Name TRECEENVIRONMENTAL-115554NY TR Carrier MJD M J DREHER TRUCKING, INC.  
 Ticket Date 10/13/2015 Vehicle# MJD3 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0006766  
 State Waste Code Gen EPA ID  
 Manifest \*\* Grid CELL 11  
 Destination  
 PO  
 Profile 115554NY (NON HAZARDOUS SOIL)  
 Generator 190-CITYOFROCHESTERORCHARDST CITY OF ROCHESTER

|     | Time                | Scale     | Operator | Inbound | Gross |          |
|-----|---------------------|-----------|----------|---------|-------|----------|
| In  | 10/13/2015 12:00:04 | A_Scale_1 | MMALONEY |         |       | 70620 lb |
| Out | 10/13/2015 12:00:04 |           | MMALONEY |         |       | 30060 lb |
|     |                     |           |          |         | Net   | 40560 lb |
|     |                     |           |          |         | Tons  | 20.28    |

Comments

| Product              | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RC6-Tons | 100 | 20.28 | Tons |      |     |        | MON    |
| 2 RCR-P-Regulatory C | 100 |       | %    |      |     |        | MON    |
| 3 EVF-P-Standard Env | 100 |       | %    |      |     |        | MON    |
| 4 LFS-LANDFILL FIXED | 100 |       | %    |      |     |        | MON    |

Total Fees  
 Total Ticket

Driver's Signature \_\_\_\_\_





High Acres LF  
 425 Perinton Pkwy  
 Fairport, NY, 14450  
 Ph: (585) 223-6132

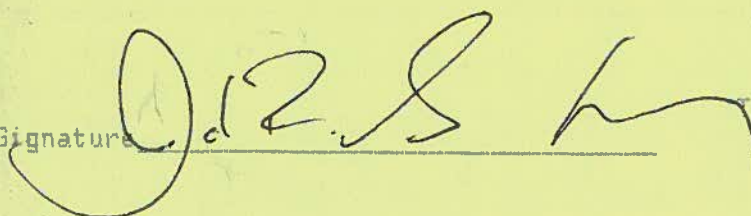
Original  
 Ticket# 1042999

Customer Name TRECENVIRONMENTAL-115554NY TR Carrier MJD M J DREHER TRUCKING, INC.  
 Ticket Date 10/13/2015 Vehicle# 12 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0006766  
 State Waste Code Gen EPA ID  
 Manifest \*\* Grid CELL 11  
 Destination  
 PO  
 Profile 115554NY (NON HAZARDOUS SOIL)  
 Generator 190-CITYOFROCHESTERORCHARDST CITY OF ROCHESTER

|     | Time                | Scale     | Operator | Inbound | Gross    |          |
|-----|---------------------|-----------|----------|---------|----------|----------|
| In  | 10/13/2015 13:04:13 | A_Scale_1 | JFRUTCHE |         | 67060 lb |          |
| Out | 10/13/2015 13:04:13 |           | JFRUTCHE |         | 29400 lb |          |
|     |                     |           |          |         | Net      | 37660 lb |
|     |                     |           |          |         | Tons     | 18.83    |

Comments

| Product              | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 18.83 | Tons |      |     |        | MON    |
| 2 RCR-P-Regulatory C | 100 |       | %    |      |     |        | MON    |
| 3 EVF-P-Standard Env | 100 |       | %    |      |     |        | MON    |
| 4 LFS-LANDFILL FIXED | 100 |       | %    |      |     |        | MON    |

Driver's Signature  Total Fees  
 Total Ticket



High Acres LF  
 425 Perinton Pkwy  
 Fairport, NY, 14450  
 Ph: (585) 223-6132

Original  
 Ticket# 1043007

Customer Name TRECEENVIRONMENTAL-115554NY TR Carrier MJD M J DREHER TRUCKING, INC.  
 Ticket Date 10/13/2015 Vehicle# JT01 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0006766  
 State Waste Code Gen EPA ID  
 Manifest \*\* Grid CELL 11  
 Destination  
 PO  
 Profile 115554NY (NON HAZARDOUS SOIL)  
 Generator 190-CITYOFROCHESTERORCHARDST CITY OF ROCHESTER

|     | Time                | Scale     | Operator | Inbound | Gross |          |
|-----|---------------------|-----------|----------|---------|-------|----------|
| In  | 10/13/2015 13:14:47 | A_Scale_1 | JFRUTCHE |         |       | 64220 lb |
| Out | 10/13/2015 13:14:47 |           | JFRUTCHE |         |       | 27900 lb |
|     |                     |           |          |         | Net   | 36320 lb |
|     |                     |           |          |         | Tons  | 18.16    |

Comments

| Product              | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 18.16 | Tons |      |     |        | MON    |
| 2 RCR-P-Regulatory C | 100 |       | %    |      |     |        | MON    |
| 3 EVF-P-Standard Env | 100 |       | %    |      |     |        | MON    |
| 4 LFS-LANDFILL FIXED | 100 |       | %    |      |     |        | MON    |

Total Fees  
 Total Ticket

Driver's Signature \_\_\_\_\_







High Acres LF  
 425 Perinton Pkwy  
 Fairport, NY, 14450  
 Ph: (585) 223-6132

Original  
 Ticket# 1043008

Customer Name TRECEENVIRONMENTAL-115554NY TR Carrier MJD M J DREHER TRUCKING, INC.  
 Ticket Date 10/13/2015 Vehicle# VV06 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0006766  
 State Waste Code Gen EPA ID  
 Manifest \*\* Grid CELL 11  
 Destination  
 PQ  
 Profile 115554NY (NON HAZARDOUS SOIL)  
 Generator 190-CITYOFROCHESTERORCHARDST CITY OF ROCHESTER

|     | Time                | Scale     | Operator | Inbound | Gross | 69560 lb |
|-----|---------------------|-----------|----------|---------|-------|----------|
| In  | 10/13/2015 13:18:37 | A_Scale_1 | JFRUTCHE |         | Tare  | 29420 lb |
| Out | 10/13/2015 13:18:37 |           | JFRUTCHE |         | Net   | 40140 lb |
|     |                     |           |          |         | Tons  | 20.07    |

Comments

| Product              | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 20.07 | Tons |      |     |        | MON    |
| 2 RCR-P-Regulatory C | 100 |       | %    |      |     |        | MON    |
| 3 EVF-P-Standard Env | 100 |       | %    |      |     |        | MON    |
| 4 LFS-LANDFILL FIXED | 100 |       | %    |      |     |        | MON    |

Total Fees  
 Total Ticket

Driver's Signature \_\_\_\_\_





High Acres LF  
 425 Perinton Pkwy  
 Fairport, NY, 14450  
 Ph: (585) 223-6132

Original  
 Ticket# 1043015

Customer Name TRECENVIRONMENTAL-115554NY TR Carrier MJD M J DREHER TRUCKING, INC.  
 Ticket Date 10/13/2015 Vehicle# 3 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0006766  
 State Waste Code Gen EPA ID  
 Manifest \*\* Grid CELL 11  
 Destination  
 PO  
 Profile 115554NY (NON HAZARDOUS SOIL)  
 Generator 190-CITYOFROCHESTERORCHARDST CITY OF ROCHESTER

|     | Time                | Scale     | Operator | Inbound | Gross |          |
|-----|---------------------|-----------|----------|---------|-------|----------|
| In  | 10/13/2015 13:34:32 | A_Scale_1 | JFRUTCHE |         |       | 73900 lb |
| Out | 10/13/2015 13:34:32 |           | JFRUTCHE |         |       | 28460 lb |
|     |                     |           |          |         | Net   | 45440 lb |
|     |                     |           |          |         | Tons  | 22.72    |

Comments

| Product              | LD% | Qty   | UDM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 22.72 | Tons |      |     |        | MON    |
| 2 RCR-P-Regulatory C | 100 |       | %    |      |     |        | MON    |
| 3 EVF-P-Standard Env | 100 |       | %    |      |     |        | MON    |
| 4 LFS-LANDFILL FIXED | 100 |       | %    |      |     |        | MON    |

Total Fees  
 Total Ticket

Driver's Signature \_\_\_\_\_





High Acres LF  
 425 Perinton Pkwy  
 Fairport, NY, 14450  
 Ph: (585) 223-6132

Original  
 Ticket# 1043199

Customer Name TRECENVIRONMENTAL-115554NY TR Carrier MJD M J DREHER TRUCKING, INC.  
 Ticket Date 10/14/2015 Vehicle# 3 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0006766  
 State Waste Code Gen EPA ID  
 Manifest \*\* Grid CELL 11  
 Destination  
 PO  
 Profile 115554NY (NON HAZARDOUS SOIL)  
 Generator 190-CITYOFROCHESTERORCHARDST CITY OF ROCHESTER

|     | Time                | Scale     | Operator | Inbound | Gross    |          |
|-----|---------------------|-----------|----------|---------|----------|----------|
| In  | 10/14/2015 08:10:27 | A_Scale_1 | JFRUTCHE |         | 68000 lb |          |
| Out | 10/14/2015 08:10:27 |           | JFRUTCHE |         | 28460 lb |          |
|     |                     |           |          |         | Net      | 39540 lb |
|     |                     |           |          |         | Tons     | 19.77    |

Comments

| Product              | LD% | Qty   | UDM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RCG-Tons | 100 | 19.77 | Tons |      |     |        | MON    |
| 2 RCR-P-Regulatory C | 100 |       | %    |      |     |        | MON    |
| 3 EVF-P-Standard Env | 100 |       | %    |      |     |        | MON    |
| 4 LFS-LANDFILL FIXED | 100 |       | %    |      |     |        | MON    |

Total Fees  
 Total Ticket

Driver's Signature \_\_\_\_\_





High Acres LF  
 425 Perinton Pkwy  
 Fairport, NY, 14450  
 Ph: (585) 223-6132

Original  
 Ticket# 1043506

Customer Name TRECENVIRONMENTAL-115554NY TR Carrier MJD M J DREHER TRUCKING, INC.  
 Ticket Date 10/15/2015 Vehicle# 3 Volume  
 Payment Type Credit Account Container  
 Manual Ticket# Driver  
 Hauling Ticket# Check#  
 Route Billing # 0006766  
 State Waste Code Gen EPA ID  
 Manifest \*\* Grid CELL 11  
 Destination  
 PO  
 Profile 115554NY (NON HAZARDOUS SOIL)  
 Generator 190-CITYOFROCHESTERORCHARDST CITY OF ROCHESTER

|     | Time                | Scale     | Operator | Inbound | Gross |          |
|-----|---------------------|-----------|----------|---------|-------|----------|
| In  | 10/15/2015 08:24:52 | A_Scale_1 | JFRUTCHE |         |       | 71540 lb |
| Out | 10/15/2015 08:24:52 |           | JFRUTCHE |         |       | 28460 lb |
|     |                     |           |          |         | Net   | 43080 lb |
|     |                     |           |          |         | Tons  | 21.54    |

Comments

| Product              | LD% | Qty   | UOM  | Rate | Fee | Amount | Origin |
|----------------------|-----|-------|------|------|-----|--------|--------|
| 1 Cont Soil RC6-Tons | 100 | 21.54 | Tons |      |     |        | MON    |
| 2 RCR-P-Regulatory C | 100 |       | %    |      |     |        | MON    |
| 3 EVF-P-Standard Env | 100 |       | %    |      |     |        | MON    |
| 4 LFS-LANDFILL FIXED | 100 |       | %    |      |     |        | MON    |

Total Fees  
 Total Ticket

Driver's Signature \_\_\_\_\_





City of Rochester  
Orchard-Whitney SSI CAMP Data

| TrakPro Version 4.61 ASCII Data File |                  |                   |
|--------------------------------------|------------------|-------------------|
| Model:                               | DustTrak II      |                   |
| Model Number:                        | 8530             |                   |
| Serial Number:                       | 8530122604       |                   |
| Test ID:                             | 1                |                   |
| Test Abbreviation:                   | MANUAL_001       |                   |
| Start Date:                          | 7/20/2015        |                   |
| Start Time:                          | 8:28:17          |                   |
| Duration (dd:hh:mm:ss):              | 0:07:10:00       |                   |
| Log Interval (mm:ss):                | 1:00             |                   |
| Number of points:                    | 430              |                   |
| Notes:                               |                  |                   |
| Statistics                           | Channel:         | AEROSOL           |
|                                      | Units:           | mg/m <sup>3</sup> |
|                                      | Average:         | 0.033             |
|                                      | Minimum:         | 0.021             |
|                                      | Time of Minimum: | 9:08:17           |
|                                      | Date of Minimum: | 7/20/2015         |
|                                      | Maximum:         | 0.146             |
|                                      | Time of Maximum: | 8:32:17           |
|                                      | Date of Maximum: | 7/20/2015         |
| Calibration                          | Sensor:          | AEROSOL           |
|                                      | Cal. date        | 2/10/2015         |
| Date                                 | Time             | AEROSOL           |
| MM/dd/yyyy                           | hh:mm:ss         | mg/m <sup>3</sup> |
| 7/20/2015                            | 8:29:17          | 0.028             |
| 7/20/2015                            | 8:30:17          | 0.028             |
| 7/20/2015                            | 8:31:17          | 0.032             |
| 7/20/2015                            | 8:32:17          | 0.146             |
| 7/20/2015                            | 8:33:17          | 0.036             |
| 7/20/2015                            | 8:34:17          | 0.026             |
| 7/20/2015                            | 8:35:17          | 0.026             |
| 7/20/2015                            | 8:36:17          | 0.024             |
| 7/20/2015                            | 8:37:17          | 0.024             |
| 7/20/2015                            | 8:38:17          | 0.025             |
| 7/20/2015                            | 8:39:17          | 0.025             |
| 7/20/2015                            | 8:40:17          | 0.025             |
| 7/20/2015                            | 8:41:17          | 0.028             |
| 7/20/2015                            | 8:42:17          | 0.025             |
| 7/20/2015                            | 8:43:17          | 0.025             |
| 7/20/2015                            | 8:44:17          | 0.025             |
| 7/20/2015                            | 8:45:17          | 0.026             |
| 7/20/2015                            | 8:46:17          | 0.025             |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|           |         |       |
|-----------|---------|-------|
| 7/20/2015 | 8:47:17 | 0.026 |
| 7/20/2015 | 8:48:17 | 0.025 |
| 7/20/2015 | 8:49:17 | 0.025 |
| 7/20/2015 | 8:50:17 | 0.023 |
| 7/20/2015 | 8:51:17 | 0.024 |
| 7/20/2015 | 8:52:17 | 0.023 |
| 7/20/2015 | 8:53:17 | 0.023 |
| 7/20/2015 | 8:54:17 | 0.024 |
| 7/20/2015 | 8:55:17 | 0.023 |
| 7/20/2015 | 8:56:17 | 0.022 |
| 7/20/2015 | 8:57:17 | 0.023 |
| 7/20/2015 | 8:58:17 | 0.024 |
| 7/20/2015 | 8:59:17 | 0.024 |
| 7/20/2015 | 9:00:17 | 0.023 |
| 7/20/2015 | 9:01:17 | 0.023 |
| 7/20/2015 | 9:02:17 | 0.023 |
| 7/20/2015 | 9:03:17 | 0.023 |
| 7/20/2015 | 9:04:17 | 0.023 |
| 7/20/2015 | 9:05:17 | 0.023 |
| 7/20/2015 | 9:06:17 | 0.022 |
| 7/20/2015 | 9:07:17 | 0.022 |
| 7/20/2015 | 9:08:17 | 0.021 |
| 7/20/2015 | 9:09:17 | 0.021 |
| 7/20/2015 | 9:10:17 | 0.021 |
| 7/20/2015 | 9:11:17 | 0.022 |
| 7/20/2015 | 9:12:17 | 0.022 |
| 7/20/2015 | 9:13:17 | 0.023 |
| 7/20/2015 | 9:14:17 | 0.023 |
| 7/20/2015 | 9:15:17 | 0.024 |
| 7/20/2015 | 9:16:17 | 0.024 |
| 7/20/2015 | 9:17:17 | 0.025 |
| 7/20/2015 | 9:18:17 | 0.024 |
| 7/20/2015 | 9:19:17 | 0.023 |
| 7/20/2015 | 9:20:17 | 0.024 |
| 7/20/2015 | 9:21:17 | 0.023 |
| 7/20/2015 | 9:22:17 | 0.023 |
| 7/20/2015 | 9:23:17 | 0.024 |
| 7/20/2015 | 9:24:17 | 0.03  |
| 7/20/2015 | 9:25:17 | 0.025 |
| 7/20/2015 | 9:26:17 | 0.024 |
| 7/20/2015 | 9:27:17 | 0.031 |
| 7/20/2015 | 9:28:17 | 0.028 |
| 7/20/2015 | 9:29:17 | 0.025 |
| 7/20/2015 | 9:30:17 | 0.025 |
| 7/20/2015 | 9:31:17 | 0.024 |
| 7/20/2015 | 9:32:17 | 0.028 |
| 7/20/2015 | 9:33:17 | 0.024 |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|           |          |       |
|-----------|----------|-------|
| 7/20/2015 | 9:34:17  | 0.026 |
| 7/20/2015 | 9:35:17  | 0.024 |
| 7/20/2015 | 9:36:17  | 0.027 |
| 7/20/2015 | 9:37:17  | 0.026 |
| 7/20/2015 | 9:38:17  | 0.028 |
| 7/20/2015 | 9:39:17  | 0.025 |
| 7/20/2015 | 9:40:17  | 0.025 |
| 7/20/2015 | 9:41:17  | 0.026 |
| 7/20/2015 | 9:42:17  | 0.029 |
| 7/20/2015 | 9:43:17  | 0.027 |
| 7/20/2015 | 9:44:17  | 0.029 |
| 7/20/2015 | 9:45:17  | 0.028 |
| 7/20/2015 | 9:46:17  | 0.029 |
| 7/20/2015 | 9:47:17  | 0.031 |
| 7/20/2015 | 9:48:17  | 0.029 |
| 7/20/2015 | 9:49:17  | 0.03  |
| 7/20/2015 | 9:50:17  | 0.03  |
| 7/20/2015 | 9:51:17  | 0.031 |
| 7/20/2015 | 9:52:17  | 0.03  |
| 7/20/2015 | 9:53:17  | 0.03  |
| 7/20/2015 | 9:54:17  | 0.03  |
| 7/20/2015 | 9:55:17  | 0.033 |
| 7/20/2015 | 9:56:17  | 0.039 |
| 7/20/2015 | 9:57:17  | 0.033 |
| 7/20/2015 | 9:58:17  | 0.03  |
| 7/20/2015 | 9:59:17  | 0.03  |
| 7/20/2015 | 10:00:17 | 0.033 |
| 7/20/2015 | 10:01:17 | 0.032 |
| 7/20/2015 | 10:02:17 | 0.028 |
| 7/20/2015 | 10:03:17 | 0.029 |
| 7/20/2015 | 10:04:17 | 0.031 |
| 7/20/2015 | 10:05:17 | 0.032 |
| 7/20/2015 | 10:06:17 | 0.031 |
| 7/20/2015 | 10:07:17 | 0.03  |
| 7/20/2015 | 10:08:17 | 0.029 |
| 7/20/2015 | 10:09:17 | 0.029 |
| 7/20/2015 | 10:10:17 | 0.027 |
| 7/20/2015 | 10:11:17 | 0.03  |
| 7/20/2015 | 10:12:17 | 0.032 |
| 7/20/2015 | 10:13:17 | 0.029 |
| 7/20/2015 | 10:14:17 | 0.029 |
| 7/20/2015 | 10:15:17 | 0.029 |
| 7/20/2015 | 10:16:17 | 0.029 |
| 7/20/2015 | 10:17:17 | 0.029 |
| 7/20/2015 | 10:18:17 | 0.03  |
| 7/20/2015 | 10:19:17 | 0.029 |
| 7/20/2015 | 10:20:17 | 0.029 |



City of Rochester  
Orchard-Whitney SSI CAMP Data

|           |          |       |
|-----------|----------|-------|
| 7/20/2015 | 10:21:17 | 0.03  |
| 7/20/2015 | 10:22:17 | 0.028 |
| 7/20/2015 | 10:23:17 | 0.028 |
| 7/20/2015 | 10:24:17 | 0.029 |
| 7/20/2015 | 10:25:17 | 0.028 |
| 7/20/2015 | 10:26:17 | 0.029 |
| 7/20/2015 | 10:27:17 | 0.03  |
| 7/20/2015 | 10:28:17 | 0.029 |
| 7/20/2015 | 10:29:17 | 0.028 |
| 7/20/2015 | 10:30:17 | 0.035 |
| 7/20/2015 | 10:31:17 | 0.093 |
| 7/20/2015 | 10:32:17 | 0.03  |
| 7/20/2015 | 10:33:17 | 0.036 |
| 7/20/2015 | 10:34:17 | 0.03  |
| 7/20/2015 | 10:35:17 | 0.029 |
| 7/20/2015 | 10:36:17 | 0.029 |
| 7/20/2015 | 10:37:17 | 0.028 |
| 7/20/2015 | 10:38:17 | 0.028 |
| 7/20/2015 | 10:39:17 | 0.028 |
| 7/20/2015 | 10:40:17 | 0.029 |
| 7/20/2015 | 10:41:17 | 0.028 |
| 7/20/2015 | 10:42:17 | 0.041 |
| 7/20/2015 | 10:43:17 | 0.032 |
| 7/20/2015 | 10:44:17 | 0.029 |
| 7/20/2015 | 10:45:17 | 0.029 |
| 7/20/2015 | 10:46:17 | 0.032 |
| 7/20/2015 | 10:47:17 | 0.028 |
| 7/20/2015 | 10:48:17 | 0.028 |
| 7/20/2015 | 10:49:17 | 0.028 |
| 7/20/2015 | 10:50:17 | 0.027 |
| 7/20/2015 | 10:51:17 | 0.027 |
| 7/20/2015 | 10:52:17 | 0.027 |
| 7/20/2015 | 10:53:17 | 0.026 |
| 7/20/2015 | 10:54:17 | 0.027 |
| 7/20/2015 | 10:55:17 | 0.026 |
| 7/20/2015 | 10:56:17 | 0.026 |
| 7/20/2015 | 10:57:17 | 0.027 |
| 7/20/2015 | 10:58:17 | 0.029 |
| 7/20/2015 | 10:59:17 | 0.029 |
| 7/20/2015 | 11:00:17 | 0.028 |
| 7/20/2015 | 11:01:17 | 0.028 |
| 7/20/2015 | 11:02:17 | 0.028 |
| 7/20/2015 | 11:03:17 | 0.028 |
| 7/20/2015 | 11:04:17 | 0.028 |
| 7/20/2015 | 11:05:17 | 0.027 |
| 7/20/2015 | 11:06:17 | 0.028 |
| 7/20/2015 | 11:07:17 | 0.03  |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|           |          |       |
|-----------|----------|-------|
| 7/20/2015 | 11:08:17 | 0.03  |
| 7/20/2015 | 11:09:17 | 0.029 |
| 7/20/2015 | 11:10:17 | 0.029 |
| 7/20/2015 | 11:11:17 | 0.035 |
| 7/20/2015 | 11:12:17 | 0.032 |
| 7/20/2015 | 11:13:17 | 0.035 |
| 7/20/2015 | 11:14:17 | 0.028 |
| 7/20/2015 | 11:15:17 | 0.027 |
| 7/20/2015 | 11:16:17 | 0.029 |
| 7/20/2015 | 11:17:17 | 0.027 |
| 7/20/2015 | 11:18:17 | 0.028 |
| 7/20/2015 | 11:19:17 | 0.042 |
| 7/20/2015 | 11:20:17 | 0.034 |
| 7/20/2015 | 11:21:17 | 0.033 |
| 7/20/2015 | 11:22:17 | 0.028 |
| 7/20/2015 | 11:23:17 | 0.03  |
| 7/20/2015 | 11:24:17 | 0.032 |
| 7/20/2015 | 11:25:17 | 0.028 |
| 7/20/2015 | 11:26:17 | 0.028 |
| 7/20/2015 | 11:27:17 | 0.028 |
| 7/20/2015 | 11:28:17 | 0.028 |
| 7/20/2015 | 11:29:17 | 0.028 |
| 7/20/2015 | 11:30:17 | 0.028 |
| 7/20/2015 | 11:31:17 | 0.03  |
| 7/20/2015 | 11:32:17 | 0.029 |
| 7/20/2015 | 11:33:17 | 0.029 |
| 7/20/2015 | 11:34:17 | 0.03  |
| 7/20/2015 | 11:35:17 | 0.028 |
| 7/20/2015 | 11:36:17 | 0.029 |
| 7/20/2015 | 11:37:17 | 0.028 |
| 7/20/2015 | 11:38:17 | 0.029 |
| 7/20/2015 | 11:39:17 | 0.029 |
| 7/20/2015 | 11:40:17 | 0.031 |
| 7/20/2015 | 11:41:17 | 0.072 |
| 7/20/2015 | 11:42:17 | 0.03  |
| 7/20/2015 | 11:43:17 | 0.029 |
| 7/20/2015 | 11:44:17 | 0.029 |
| 7/20/2015 | 11:45:17 | 0.029 |
| 7/20/2015 | 11:46:17 | 0.028 |
| 7/20/2015 | 11:47:17 | 0.028 |
| 7/20/2015 | 11:48:17 | 0.029 |
| 7/20/2015 | 11:49:17 | 0.028 |
| 7/20/2015 | 11:50:17 | 0.029 |
| 7/20/2015 | 11:51:17 | 0.028 |
| 7/20/2015 | 11:52:17 | 0.034 |
| 7/20/2015 | 11:53:17 | 0.031 |
| 7/20/2015 | 11:54:17 | 0.029 |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|           |          |       |
|-----------|----------|-------|
| 7/20/2015 | 11:55:17 | 0.029 |
| 7/20/2015 | 11:56:17 | 0.038 |
| 7/20/2015 | 11:57:17 | 0.031 |
| 7/20/2015 | 11:58:17 | 0.076 |
| 7/20/2015 | 11:59:17 | 0.06  |
| 7/20/2015 | 12:00:17 | 0.029 |
| 7/20/2015 | 12:01:17 | 0.033 |
| 7/20/2015 | 12:02:17 | 0.029 |
| 7/20/2015 | 12:03:17 | 0.029 |
| 7/20/2015 | 12:04:17 | 0.028 |
| 7/20/2015 | 12:05:17 | 0.03  |
| 7/20/2015 | 12:06:17 | 0.031 |
| 7/20/2015 | 12:07:17 | 0.03  |
| 7/20/2015 | 12:08:17 | 0.041 |
| 7/20/2015 | 12:09:17 | 0.099 |
| 7/20/2015 | 12:10:17 | 0.039 |
| 7/20/2015 | 12:11:17 | 0.031 |
| 7/20/2015 | 12:12:17 | 0.03  |
| 7/20/2015 | 12:13:17 | 0.03  |
| 7/20/2015 | 12:14:17 | 0.033 |
| 7/20/2015 | 12:15:17 | 0.032 |
| 7/20/2015 | 12:16:17 | 0.061 |
| 7/20/2015 | 12:17:17 | 0.032 |
| 7/20/2015 | 12:18:17 | 0.107 |
| 7/20/2015 | 12:19:17 | 0.062 |
| 7/20/2015 | 12:20:17 | 0.031 |
| 7/20/2015 | 12:21:17 | 0.031 |
| 7/20/2015 | 12:22:17 | 0.031 |
| 7/20/2015 | 12:23:17 | 0.03  |
| 7/20/2015 | 12:24:17 | 0.03  |
| 7/20/2015 | 12:25:17 | 0.03  |
| 7/20/2015 | 12:26:17 | 0.04  |
| 7/20/2015 | 12:27:17 | 0.046 |
| 7/20/2015 | 12:28:17 | 0.041 |
| 7/20/2015 | 12:29:17 | 0.031 |
| 7/20/2015 | 12:30:17 | 0.034 |
| 7/20/2015 | 12:31:17 | 0.066 |
| 7/20/2015 | 12:32:17 | 0.035 |
| 7/20/2015 | 12:33:17 | 0.031 |
| 7/20/2015 | 12:34:17 | 0.03  |
| 7/20/2015 | 12:35:17 | 0.034 |
| 7/20/2015 | 12:36:17 | 0.03  |
| 7/20/2015 | 12:37:17 | 0.033 |
| 7/20/2015 | 12:38:17 | 0.073 |
| 7/20/2015 | 12:39:17 | 0.048 |
| 7/20/2015 | 12:40:17 | 0.052 |
| 7/20/2015 | 12:41:17 | 0.033 |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|           |          |       |
|-----------|----------|-------|
| 7/20/2015 | 12:42:17 | 0.032 |
| 7/20/2015 | 12:43:17 | 0.033 |
| 7/20/2015 | 12:44:17 | 0.041 |
| 7/20/2015 | 12:45:17 | 0.032 |
| 7/20/2015 | 12:46:17 | 0.031 |
| 7/20/2015 | 12:47:17 | 0.036 |
| 7/20/2015 | 12:48:17 | 0.032 |
| 7/20/2015 | 12:49:17 | 0.033 |
| 7/20/2015 | 12:50:17 | 0.033 |
| 7/20/2015 | 12:51:17 | 0.031 |
| 7/20/2015 | 12:52:17 | 0.031 |
| 7/20/2015 | 12:53:17 | 0.031 |
| 7/20/2015 | 12:54:17 | 0.032 |
| 7/20/2015 | 12:55:17 | 0.03  |
| 7/20/2015 | 12:56:17 | 0.03  |
| 7/20/2015 | 12:57:17 | 0.03  |
| 7/20/2015 | 12:58:17 | 0.031 |
| 7/20/2015 | 12:59:17 | 0.031 |
| 7/20/2015 | 13:00:17 | 0.031 |
| 7/20/2015 | 13:01:17 | 0.031 |
| 7/20/2015 | 13:02:17 | 0.031 |
| 7/20/2015 | 13:03:17 | 0.032 |
| 7/20/2015 | 13:04:17 | 0.031 |
| 7/20/2015 | 13:05:17 | 0.031 |
| 7/20/2015 | 13:06:17 | 0.032 |
| 7/20/2015 | 13:07:17 | 0.033 |
| 7/20/2015 | 13:08:17 | 0.034 |
| 7/20/2015 | 13:09:17 | 0.034 |
| 7/20/2015 | 13:10:17 | 0.037 |
| 7/20/2015 | 13:11:17 | 0.034 |
| 7/20/2015 | 13:12:17 | 0.034 |
| 7/20/2015 | 13:13:17 | 0.033 |
| 7/20/2015 | 13:14:17 | 0.034 |
| 7/20/2015 | 13:15:17 | 0.033 |
| 7/20/2015 | 13:16:17 | 0.031 |
| 7/20/2015 | 13:17:17 | 0.032 |
| 7/20/2015 | 13:18:17 | 0.032 |
| 7/20/2015 | 13:19:17 | 0.031 |
| 7/20/2015 | 13:20:17 | 0.032 |
| 7/20/2015 | 13:21:17 | 0.045 |
| 7/20/2015 | 13:22:17 | 0.056 |
| 7/20/2015 | 13:23:17 | 0.032 |
| 7/20/2015 | 13:24:17 | 0.042 |
| 7/20/2015 | 13:25:17 | 0.036 |
| 7/20/2015 | 13:26:17 | 0.044 |
| 7/20/2015 | 13:27:17 | 0.107 |
| 7/20/2015 | 13:28:17 | 0.072 |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|           |          |       |
|-----------|----------|-------|
| 7/20/2015 | 13:29:17 | 0.036 |
| 7/20/2015 | 13:30:17 | 0.037 |
| 7/20/2015 | 13:31:17 | 0.034 |
| 7/20/2015 | 13:32:17 | 0.087 |
| 7/20/2015 | 13:33:17 | 0.049 |
| 7/20/2015 | 13:34:17 | 0.035 |
| 7/20/2015 | 13:35:17 | 0.032 |
| 7/20/2015 | 13:36:17 | 0.033 |
| 7/20/2015 | 13:37:17 | 0.057 |
| 7/20/2015 | 13:38:17 | 0.055 |
| 7/20/2015 | 13:39:17 | 0.033 |
| 7/20/2015 | 13:40:17 | 0.033 |
| 7/20/2015 | 13:41:17 | 0.033 |
| 7/20/2015 | 13:42:17 | 0.033 |
| 7/20/2015 | 13:43:17 | 0.033 |
| 7/20/2015 | 13:44:17 | 0.033 |
| 7/20/2015 | 13:45:17 | 0.034 |
| 7/20/2015 | 13:46:17 | 0.037 |
| 7/20/2015 | 13:47:17 | 0.034 |
| 7/20/2015 | 13:48:17 | 0.033 |
| 7/20/2015 | 13:49:17 | 0.034 |
| 7/20/2015 | 13:50:17 | 0.036 |
| 7/20/2015 | 13:51:17 | 0.034 |
| 7/20/2015 | 13:52:17 | 0.035 |
| 7/20/2015 | 13:53:17 | 0.037 |
| 7/20/2015 | 13:54:17 | 0.035 |
| 7/20/2015 | 13:55:17 | 0.051 |
| 7/20/2015 | 13:56:17 | 0.038 |
| 7/20/2015 | 13:57:17 | 0.041 |
| 7/20/2015 | 13:58:17 | 0.036 |
| 7/20/2015 | 13:59:17 | 0.054 |
| 7/20/2015 | 14:00:17 | 0.036 |
| 7/20/2015 | 14:01:17 | 0.036 |
| 7/20/2015 | 14:02:17 | 0.036 |
| 7/20/2015 | 14:03:17 | 0.037 |
| 7/20/2015 | 14:04:17 | 0.053 |
| 7/20/2015 | 14:05:17 | 0.039 |
| 7/20/2015 | 14:06:17 | 0.037 |
| 7/20/2015 | 14:07:17 | 0.041 |
| 7/20/2015 | 14:08:17 | 0.036 |
| 7/20/2015 | 14:09:17 | 0.037 |
| 7/20/2015 | 14:10:17 | 0.038 |
| 7/20/2015 | 14:11:17 | 0.037 |
| 7/20/2015 | 14:12:17 | 0.036 |
| 7/20/2015 | 14:13:17 | 0.037 |
| 7/20/2015 | 14:14:17 | 0.041 |
| 7/20/2015 | 14:15:17 | 0.036 |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|           |          |       |
|-----------|----------|-------|
| 7/20/2015 | 14:16:17 | 0.037 |
| 7/20/2015 | 14:17:17 | 0.036 |
| 7/20/2015 | 14:18:17 | 0.039 |
| 7/20/2015 | 14:19:17 | 0.036 |
| 7/20/2015 | 14:20:17 | 0.036 |
| 7/20/2015 | 14:21:17 | 0.035 |
| 7/20/2015 | 14:22:17 | 0.036 |
| 7/20/2015 | 14:23:17 | 0.036 |
| 7/20/2015 | 14:24:17 | 0.036 |
| 7/20/2015 | 14:25:17 | 0.035 |
| 7/20/2015 | 14:26:17 | 0.036 |
| 7/20/2015 | 14:27:17 | 0.036 |
| 7/20/2015 | 14:28:17 | 0.035 |
| 7/20/2015 | 14:29:17 | 0.037 |
| 7/20/2015 | 14:30:17 | 0.039 |
| 7/20/2015 | 14:31:17 | 0.035 |
| 7/20/2015 | 14:32:17 | 0.035 |
| 7/20/2015 | 14:33:17 | 0.035 |
| 7/20/2015 | 14:34:17 | 0.035 |
| 7/20/2015 | 14:35:17 | 0.051 |
| 7/20/2015 | 14:36:17 | 0.037 |
| 7/20/2015 | 14:37:17 | 0.035 |
| 7/20/2015 | 14:38:17 | 0.034 |
| 7/20/2015 | 14:39:17 | 0.035 |
| 7/20/2015 | 14:40:17 | 0.036 |
| 7/20/2015 | 14:41:17 | 0.036 |
| 7/20/2015 | 14:42:17 | 0.035 |
| 7/20/2015 | 14:43:17 | 0.035 |
| 7/20/2015 | 14:44:17 | 0.035 |
| 7/20/2015 | 14:45:17 | 0.037 |
| 7/20/2015 | 14:46:17 | 0.042 |
| 7/20/2015 | 14:47:17 | 0.035 |
| 7/20/2015 | 14:48:17 | 0.036 |
| 7/20/2015 | 14:49:17 | 0.035 |
| 7/20/2015 | 14:50:17 | 0.034 |
| 7/20/2015 | 14:51:17 | 0.035 |
| 7/20/2015 | 14:52:17 | 0.035 |
| 7/20/2015 | 14:53:17 | 0.036 |
| 7/20/2015 | 14:54:17 | 0.035 |
| 7/20/2015 | 14:55:17 | 0.035 |
| 7/20/2015 | 14:56:17 | 0.034 |
| 7/20/2015 | 14:57:17 | 0.035 |
| 7/20/2015 | 14:58:17 | 0.036 |
| 7/20/2015 | 14:59:17 | 0.034 |
| 7/20/2015 | 15:00:17 | 0.033 |
| 7/20/2015 | 15:01:17 | 0.034 |
| 7/20/2015 | 15:02:17 | 0.032 |

City of Rochester  
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|                         |             |       |
|-------------------------|-------------|-------|
| 7/20/2015               | 15:03:17    | 0.033 |
| 7/20/2015               | 15:04:17    | 0.033 |
| 7/20/2015               | 15:05:17    | 0.032 |
| 7/20/2015               | 15:06:17    | 0.032 |
| 7/20/2015               | 15:07:17    | 0.033 |
| 7/20/2015               | 15:08:17    | 0.034 |
| 7/20/2015               | 15:09:17    | 0.034 |
| 7/20/2015               | 15:10:17    | 0.034 |
| 7/20/2015               | 15:11:17    | 0.034 |
| 7/20/2015               | 15:12:17    | 0.033 |
| 7/20/2015               | 15:13:17    | 0.034 |
| 7/20/2015               | 15:14:17    | 0.035 |
| 7/20/2015               | 15:15:17    | 0.034 |
| 7/20/2015               | 15:16:17    | 0.033 |
| 7/20/2015               | 15:17:17    | 0.033 |
| 7/20/2015               | 15:18:17    | 0.032 |
| 7/20/2015               | 15:19:17    | 0.033 |
| 7/20/2015               | 15:20:17    | 0.032 |
| 7/20/2015               | 15:21:17    | 0.032 |
| 7/20/2015               | 15:22:17    | 0.034 |
| 7/20/2015               | 15:23:17    | 0.033 |
| 7/20/2015               | 15:24:17    | 0.032 |
| 7/20/2015               | 15:25:17    | 0.032 |
| 7/20/2015               | 15:26:17    | 0.032 |
| 7/20/2015               | 15:27:17    | 0.033 |
| 7/20/2015               | 15:28:17    | 0.032 |
| 7/20/2015               | 15:29:17    | 0.033 |
| 7/20/2015               | 15:30:17    | 0.032 |
| 7/20/2015               | 15:31:17    | 0.032 |
| 7/20/2015               | 15:32:17    | 0.032 |
| 7/20/2015               | 15:33:17    | 0.032 |
| 7/20/2015               | 15:34:17    | 0.034 |
| 7/20/2015               | 15:35:17    | 0.034 |
| 7/20/2015               | 15:36:17    | 0.035 |
| 7/20/2015               | 15:37:17    | 0.033 |
| 7/20/2015               | 15:38:17    | 0.034 |
|                         |             |       |
| Model:                  | DustTrak II |       |
| Model Number:           | 8530        |       |
| Serial Number:          | 8530122604  |       |
| Test ID:                | 2           |       |
| Test Abbreviation:      | MANUAL_002  |       |
| Start Date:             | 7/21/2015   |       |
| Start Time:             | 6:24:38     |       |
| Duration (dd:hh:mm:ss): | 0:07:13:00  |       |
| Log Interval (mm:ss):   | 1:00        |       |
| Number of points:       | 433         |       |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|             |                  |                   |
|-------------|------------------|-------------------|
| Notes:      |                  |                   |
|             |                  |                   |
| Statistics  | Channel:         | AEROSOL           |
|             | Units:           | mg/m <sup>3</sup> |
|             | Average:         | 0.033             |
|             | Minimum:         | 0.019             |
|             | Time of Minimum: | 11:31:38          |
|             | Date of Minimum: | 7/21/2015         |
|             | Maximum:         | 0.238             |
|             | Time of Maximum: | 11:23:38          |
|             | Date of Maximum: | 7/21/2015         |
|             |                  |                   |
| Calibration | Sensor:          | AEROSOL           |
|             | Cal. date        | 2/10/2015         |
|             |                  |                   |
| Date        | Time             | AEROSOL           |
| MM/dd/yyyy  | hh:mm:ss         | mg/m <sup>3</sup> |
| 7/21/2015   | 6:25:38          | 0.032             |
| 7/21/2015   | 6:26:38          | 0.032             |
| 7/21/2015   | 6:27:38          | 0.031             |
| 7/21/2015   | 6:28:38          | 0.031             |
| 7/21/2015   | 6:29:38          | 0.032             |
| 7/21/2015   | 6:30:38          | 0.033             |
| 7/21/2015   | 6:31:38          | 0.032             |
| 7/21/2015   | 6:32:38          | 0.031             |
| 7/21/2015   | 6:33:38          | 0.031             |
| 7/21/2015   | 6:34:38          | 0.034             |
| 7/21/2015   | 6:35:38          | 0.035             |
| 7/21/2015   | 6:36:38          | 0.031             |
| 7/21/2015   | 6:37:38          | 0.033             |
| 7/21/2015   | 6:38:38          | 0.033             |
| 7/21/2015   | 6:39:38          | 0.033             |
| 7/21/2015   | 6:40:38          | 0.031             |
| 7/21/2015   | 6:41:38          | 0.03              |
| 7/21/2015   | 6:42:38          | 0.031             |
| 7/21/2015   | 6:43:38          | 0.032             |
| 7/21/2015   | 6:44:38          | 0.032             |
| 7/21/2015   | 6:45:38          | 0.055             |
| 7/21/2015   | 6:46:38          | 0.034             |
| 7/21/2015   | 6:47:38          | 0.032             |
| 7/21/2015   | 6:48:38          | 0.032             |
| 7/21/2015   | 6:49:38          | 0.032             |
| 7/21/2015   | 6:50:38          | 0.03              |
| 7/21/2015   | 6:51:38          | 0.038             |
| 7/21/2015   | 6:52:38          | 0.033             |
| 7/21/2015   | 6:53:38          | 0.032             |
| 7/21/2015   | 6:54:38          | 0.032             |



City of Rochester  
Orchard-Whitney SSI CAMP Data

|           |         |       |
|-----------|---------|-------|
| 7/21/2015 | 6:55:38 | 0.032 |
| 7/21/2015 | 6:56:38 | 0.033 |
| 7/21/2015 | 6:57:38 | 0.035 |
| 7/21/2015 | 6:58:38 | 0.034 |
| 7/21/2015 | 6:59:38 | 0.034 |
| 7/21/2015 | 7:00:38 | 0.034 |
| 7/21/2015 | 7:01:38 | 0.034 |
| 7/21/2015 | 7:02:38 | 0.036 |
| 7/21/2015 | 7:03:38 | 0.033 |
| 7/21/2015 | 7:04:38 | 0.034 |
| 7/21/2015 | 7:05:38 | 0.04  |
| 7/21/2015 | 7:06:38 | 0.034 |
| 7/21/2015 | 7:07:38 | 0.033 |
| 7/21/2015 | 7:08:38 | 0.033 |
| 7/21/2015 | 7:09:38 | 0.033 |
| 7/21/2015 | 7:10:38 | 0.033 |
| 7/21/2015 | 7:11:38 | 0.033 |
| 7/21/2015 | 7:12:38 | 0.034 |
| 7/21/2015 | 7:13:38 | 0.033 |
| 7/21/2015 | 7:14:38 | 0.035 |
| 7/21/2015 | 7:15:38 | 0.035 |
| 7/21/2015 | 7:16:38 | 0.034 |
| 7/21/2015 | 7:17:38 | 0.034 |
| 7/21/2015 | 7:18:38 | 0.034 |
| 7/21/2015 | 7:19:38 | 0.034 |
| 7/21/2015 | 7:20:38 | 0.034 |
| 7/21/2015 | 7:21:38 | 0.052 |
| 7/21/2015 | 7:22:38 | 0.036 |
| 7/21/2015 | 7:23:38 | 0.037 |
| 7/21/2015 | 7:24:38 | 0.036 |
| 7/21/2015 | 7:25:38 | 0.035 |
| 7/21/2015 | 7:26:38 | 0.034 |
| 7/21/2015 | 7:27:38 | 0.035 |
| 7/21/2015 | 7:28:38 | 0.036 |
| 7/21/2015 | 7:29:38 | 0.036 |
| 7/21/2015 | 7:30:38 | 0.035 |
| 7/21/2015 | 7:31:38 | 0.035 |
| 7/21/2015 | 7:32:38 | 0.037 |
| 7/21/2015 | 7:33:38 | 0.036 |
| 7/21/2015 | 7:34:38 | 0.036 |
| 7/21/2015 | 7:35:38 | 0.035 |
| 7/21/2015 | 7:36:38 | 0.034 |
| 7/21/2015 | 7:37:38 | 0.034 |
| 7/21/2015 | 7:38:38 | 0.035 |
| 7/21/2015 | 7:39:38 | 0.034 |
| 7/21/2015 | 7:40:38 | 0.037 |
| 7/21/2015 | 7:41:38 | 0.04  |

City of Rochester  
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|           |         |       |
|-----------|---------|-------|
| 7/21/2015 | 7:42:38 | 0.035 |
| 7/21/2015 | 7:43:38 | 0.036 |
| 7/21/2015 | 7:44:38 | 0.036 |
| 7/21/2015 | 7:45:38 | 0.038 |
| 7/21/2015 | 7:46:38 | 0.049 |
| 7/21/2015 | 7:47:38 | 0.051 |
| 7/21/2015 | 7:48:38 | 0.043 |
| 7/21/2015 | 7:49:38 | 0.036 |
| 7/21/2015 | 7:50:38 | 0.034 |
| 7/21/2015 | 7:51:38 | 0.034 |
| 7/21/2015 | 7:52:38 | 0.036 |
| 7/21/2015 | 7:53:38 | 0.05  |
| 7/21/2015 | 7:54:38 | 0.037 |
| 7/21/2015 | 7:55:38 | 0.035 |
| 7/21/2015 | 7:56:38 | 0.035 |
| 7/21/2015 | 7:57:38 | 0.034 |
| 7/21/2015 | 7:58:38 | 0.036 |
| 7/21/2015 | 7:59:38 | 0.035 |
| 7/21/2015 | 8:00:38 | 0.034 |
| 7/21/2015 | 8:01:38 | 0.034 |
| 7/21/2015 | 8:02:38 | 0.035 |
| 7/21/2015 | 8:03:38 | 0.034 |
| 7/21/2015 | 8:04:38 | 0.035 |
| 7/21/2015 | 8:05:38 | 0.035 |
| 7/21/2015 | 8:06:38 | 0.035 |
| 7/21/2015 | 8:07:38 | 0.035 |
| 7/21/2015 | 8:08:38 | 0.036 |
| 7/21/2015 | 8:09:38 | 0.035 |
| 7/21/2015 | 8:10:38 | 0.035 |
| 7/21/2015 | 8:11:38 | 0.037 |
| 7/21/2015 | 8:12:38 | 0.036 |
| 7/21/2015 | 8:13:38 | 0.036 |
| 7/21/2015 | 8:14:38 | 0.035 |
| 7/21/2015 | 8:15:38 | 0.036 |
| 7/21/2015 | 8:16:38 | 0.036 |
| 7/21/2015 | 8:17:38 | 0.035 |
| 7/21/2015 | 8:18:38 | 0.035 |
| 7/21/2015 | 8:19:38 | 0.036 |
| 7/21/2015 | 8:20:38 | 0.035 |
| 7/21/2015 | 8:21:38 | 0.034 |
| 7/21/2015 | 8:22:38 | 0.034 |
| 7/21/2015 | 8:23:38 | 0.035 |
| 7/21/2015 | 8:24:38 | 0.036 |
| 7/21/2015 | 8:25:38 | 0.036 |
| 7/21/2015 | 8:26:38 | 0.036 |
| 7/21/2015 | 8:27:38 | 0.036 |
| 7/21/2015 | 8:28:38 | 0.036 |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|           |         |       |
|-----------|---------|-------|
| 7/21/2015 | 8:29:38 | 0.036 |
| 7/21/2015 | 8:30:38 | 0.036 |
| 7/21/2015 | 8:31:38 | 0.036 |
| 7/21/2015 | 8:32:38 | 0.037 |
| 7/21/2015 | 8:33:38 | 0.036 |
| 7/21/2015 | 8:34:38 | 0.036 |
| 7/21/2015 | 8:35:38 | 0.036 |
| 7/21/2015 | 8:36:38 | 0.038 |
| 7/21/2015 | 8:37:38 | 0.036 |
| 7/21/2015 | 8:38:38 | 0.037 |
| 7/21/2015 | 8:39:38 | 0.037 |
| 7/21/2015 | 8:40:38 | 0.037 |
| 7/21/2015 | 8:41:38 | 0.038 |
| 7/21/2015 | 8:42:38 | 0.038 |
| 7/21/2015 | 8:43:38 | 0.037 |
| 7/21/2015 | 8:44:38 | 0.036 |
| 7/21/2015 | 8:45:38 | 0.037 |
| 7/21/2015 | 8:46:38 | 0.037 |
| 7/21/2015 | 8:47:38 | 0.037 |
| 7/21/2015 | 8:48:38 | 0.038 |
| 7/21/2015 | 8:49:38 | 0.039 |
| 7/21/2015 | 8:50:38 | 0.037 |
| 7/21/2015 | 8:51:38 | 0.037 |
| 7/21/2015 | 8:52:38 | 0.038 |
| 7/21/2015 | 8:53:38 | 0.036 |
| 7/21/2015 | 8:54:38 | 0.037 |
| 7/21/2015 | 8:55:38 | 0.037 |
| 7/21/2015 | 8:56:38 | 0.037 |
| 7/21/2015 | 8:57:38 | 0.036 |
| 7/21/2015 | 8:58:38 | 0.042 |
| 7/21/2015 | 8:59:38 | 0.037 |
| 7/21/2015 | 9:00:38 | 0.037 |
| 7/21/2015 | 9:01:38 | 0.037 |
| 7/21/2015 | 9:02:38 | 0.036 |
| 7/21/2015 | 9:03:38 | 0.039 |
| 7/21/2015 | 9:04:38 | 0.036 |
| 7/21/2015 | 9:05:38 | 0.037 |
| 7/21/2015 | 9:06:38 | 0.037 |
| 7/21/2015 | 9:07:38 | 0.037 |
| 7/21/2015 | 9:08:38 | 0.036 |
| 7/21/2015 | 9:09:38 | 0.038 |
| 7/21/2015 | 9:10:38 | 0.037 |
| 7/21/2015 | 9:11:38 | 0.037 |
| 7/21/2015 | 9:12:38 | 0.038 |
| 7/21/2015 | 9:13:38 | 0.036 |
| 7/21/2015 | 9:14:38 | 0.036 |
| 7/21/2015 | 9:15:38 | 0.036 |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|           |          |       |
|-----------|----------|-------|
| 7/21/2015 | 9:16:38  | 0.035 |
| 7/21/2015 | 9:17:38  | 0.035 |
| 7/21/2015 | 9:18:38  | 0.037 |
| 7/21/2015 | 9:19:38  | 0.038 |
| 7/21/2015 | 9:20:38  | 0.036 |
| 7/21/2015 | 9:21:38  | 0.036 |
| 7/21/2015 | 9:22:38  | 0.035 |
| 7/21/2015 | 9:23:38  | 0.035 |
| 7/21/2015 | 9:24:38  | 0.036 |
| 7/21/2015 | 9:25:38  | 0.035 |
| 7/21/2015 | 9:26:38  | 0.035 |
| 7/21/2015 | 9:27:38  | 0.035 |
| 7/21/2015 | 9:28:38  | 0.037 |
| 7/21/2015 | 9:29:38  | 0.034 |
| 7/21/2015 | 9:30:38  | 0.034 |
| 7/21/2015 | 9:31:38  | 0.034 |
| 7/21/2015 | 9:32:38  | 0.034 |
| 7/21/2015 | 9:33:38  | 0.036 |
| 7/21/2015 | 9:34:38  | 0.035 |
| 7/21/2015 | 9:35:38  | 0.034 |
| 7/21/2015 | 9:36:38  | 0.033 |
| 7/21/2015 | 9:37:38  | 0.036 |
| 7/21/2015 | 9:38:38  | 0.034 |
| 7/21/2015 | 9:39:38  | 0.033 |
| 7/21/2015 | 9:40:38  | 0.033 |
| 7/21/2015 | 9:41:38  | 0.033 |
| 7/21/2015 | 9:42:38  | 0.032 |
| 7/21/2015 | 9:43:38  | 0.033 |
| 7/21/2015 | 9:44:38  | 0.031 |
| 7/21/2015 | 9:45:38  | 0.032 |
| 7/21/2015 | 9:46:38  | 0.048 |
| 7/21/2015 | 9:47:38  | 0.034 |
| 7/21/2015 | 9:48:38  | 0.033 |
| 7/21/2015 | 9:49:38  | 0.031 |
| 7/21/2015 | 9:50:38  | 0.031 |
| 7/21/2015 | 9:51:38  | 0.03  |
| 7/21/2015 | 9:52:38  | 0.029 |
| 7/21/2015 | 9:53:38  | 0.035 |
| 7/21/2015 | 9:54:38  | 0.033 |
| 7/21/2015 | 9:55:38  | 0.031 |
| 7/21/2015 | 9:56:38  | 0.031 |
| 7/21/2015 | 9:57:38  | 0.031 |
| 7/21/2015 | 9:58:38  | 0.03  |
| 7/21/2015 | 9:59:38  | 0.029 |
| 7/21/2015 | 10:00:38 | 0.031 |
| 7/21/2015 | 10:01:38 | 0.03  |
| 7/21/2015 | 10:02:38 | 0.028 |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|           |          |       |
|-----------|----------|-------|
| 7/21/2015 | 10:03:38 | 0.028 |
| 7/21/2015 | 10:04:38 | 0.028 |
| 7/21/2015 | 10:05:38 | 0.028 |
| 7/21/2015 | 10:06:38 | 0.029 |
| 7/21/2015 | 10:07:38 | 0.043 |
| 7/21/2015 | 10:08:38 | 0.073 |
| 7/21/2015 | 10:09:38 | 0.027 |
| 7/21/2015 | 10:10:38 | 0.028 |
| 7/21/2015 | 10:11:38 | 0.042 |
| 7/21/2015 | 10:12:38 | 0.03  |
| 7/21/2015 | 10:13:38 | 0.04  |
| 7/21/2015 | 10:14:38 | 0.03  |
| 7/21/2015 | 10:15:38 | 0.027 |
| 7/21/2015 | 10:16:38 | 0.028 |
| 7/21/2015 | 10:17:38 | 0.027 |
| 7/21/2015 | 10:18:38 | 0.028 |
| 7/21/2015 | 10:19:38 | 0.028 |
| 7/21/2015 | 10:20:38 | 0.029 |
| 7/21/2015 | 10:21:38 | 0.027 |
| 7/21/2015 | 10:22:38 | 0.035 |
| 7/21/2015 | 10:23:38 | 0.031 |
| 7/21/2015 | 10:24:38 | 0.029 |
| 7/21/2015 | 10:25:38 | 0.028 |
| 7/21/2015 | 10:26:38 | 0.034 |
| 7/21/2015 | 10:27:38 | 0.029 |
| 7/21/2015 | 10:28:38 | 0.027 |
| 7/21/2015 | 10:29:38 | 0.026 |
| 7/21/2015 | 10:30:38 | 0.025 |
| 7/21/2015 | 10:31:38 | 0.028 |
| 7/21/2015 | 10:32:38 | 0.026 |
| 7/21/2015 | 10:33:38 | 0.026 |
| 7/21/2015 | 10:34:38 | 0.026 |
| 7/21/2015 | 10:35:38 | 0.024 |
| 7/21/2015 | 10:36:38 | 0.026 |
| 7/21/2015 | 10:37:38 | 0.047 |
| 7/21/2015 | 10:38:38 | 0.035 |
| 7/21/2015 | 10:39:38 | 0.024 |
| 7/21/2015 | 10:40:38 | 0.025 |
| 7/21/2015 | 10:41:38 | 0.025 |
| 7/21/2015 | 10:42:38 | 0.025 |
| 7/21/2015 | 10:43:38 | 0.024 |
| 7/21/2015 | 10:44:38 | 0.023 |
| 7/21/2015 | 10:45:38 | 0.053 |
| 7/21/2015 | 10:46:38 | 0.05  |
| 7/21/2015 | 10:47:38 | 0.025 |
| 7/21/2015 | 10:48:38 | 0.195 |
| 7/21/2015 | 10:49:38 | 0.022 |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|           |          |       |
|-----------|----------|-------|
| 7/21/2015 | 10:50:38 | 0.023 |
| 7/21/2015 | 10:51:38 | 0.025 |
| 7/21/2015 | 10:52:38 | 0.022 |
| 7/21/2015 | 10:53:38 | 0.022 |
| 7/21/2015 | 10:54:38 | 0.023 |
| 7/21/2015 | 10:55:38 | 0.023 |
| 7/21/2015 | 10:56:38 | 0.022 |
| 7/21/2015 | 10:57:38 | 0.023 |
| 7/21/2015 | 10:58:38 | 0.022 |
| 7/21/2015 | 10:59:38 | 0.022 |
| 7/21/2015 | 11:00:38 | 0.025 |
| 7/21/2015 | 11:01:38 | 0.023 |
| 7/21/2015 | 11:02:38 | 0.027 |
| 7/21/2015 | 11:03:38 | 0.021 |
| 7/21/2015 | 11:04:38 | 0.06  |
| 7/21/2015 | 11:05:38 | 0.021 |
| 7/21/2015 | 11:06:38 | 0.029 |
| 7/21/2015 | 11:07:38 | 0.023 |
| 7/21/2015 | 11:08:38 | 0.022 |
| 7/21/2015 | 11:09:38 | 0.021 |
| 7/21/2015 | 11:10:38 | 0.022 |
| 7/21/2015 | 11:11:38 | 0.023 |
| 7/21/2015 | 11:12:38 | 0.022 |
| 7/21/2015 | 11:13:38 | 0.022 |
| 7/21/2015 | 11:14:38 | 0.021 |
| 7/21/2015 | 11:15:38 | 0.021 |
| 7/21/2015 | 11:16:38 | 0.021 |
| 7/21/2015 | 11:17:38 | 0.022 |
| 7/21/2015 | 11:18:38 | 0.021 |
| 7/21/2015 | 11:19:38 | 0.021 |
| 7/21/2015 | 11:20:38 | 0.023 |
| 7/21/2015 | 11:21:38 | 0.055 |
| 7/21/2015 | 11:22:38 | 0.066 |
| 7/21/2015 | 11:23:38 | 0.238 |
| 7/21/2015 | 11:24:38 | 0.025 |
| 7/21/2015 | 11:25:38 | 0.022 |
| 7/21/2015 | 11:26:38 | 0.036 |
| 7/21/2015 | 11:27:38 | 0.026 |
| 7/21/2015 | 11:28:38 | 0.027 |
| 7/21/2015 | 11:29:38 | 0.025 |
| 7/21/2015 | 11:30:38 | 0.021 |
| 7/21/2015 | 11:31:38 | 0.019 |
| 7/21/2015 | 11:32:38 | 0.02  |
| 7/21/2015 | 11:33:38 | 0.023 |
| 7/21/2015 | 11:34:38 | 0.02  |
| 7/21/2015 | 11:35:38 | 0.021 |
| 7/21/2015 | 11:36:38 | 0.02  |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|           |          |       |
|-----------|----------|-------|
| 7/21/2015 | 11:37:38 | 0.024 |
| 7/21/2015 | 11:38:38 | 0.021 |
| 7/21/2015 | 11:39:38 | 0.023 |
| 7/21/2015 | 11:40:38 | 0.025 |
| 7/21/2015 | 11:41:38 | 0.028 |
| 7/21/2015 | 11:42:38 | 0.023 |
| 7/21/2015 | 11:43:38 | 0.023 |
| 7/21/2015 | 11:44:38 | 0.023 |
| 7/21/2015 | 11:45:38 | 0.024 |
| 7/21/2015 | 11:46:38 | 0.028 |
| 7/21/2015 | 11:47:38 | 0.03  |
| 7/21/2015 | 11:48:38 | 0.026 |
| 7/21/2015 | 11:49:38 | 0.029 |
| 7/21/2015 | 11:50:38 | 0.027 |
| 7/21/2015 | 11:51:38 | 0.026 |
| 7/21/2015 | 11:52:38 | 0.029 |
| 7/21/2015 | 11:53:38 | 0.029 |
| 7/21/2015 | 11:54:38 | 0.028 |
| 7/21/2015 | 11:55:38 | 0.027 |
| 7/21/2015 | 11:56:38 | 0.027 |
| 7/21/2015 | 11:57:38 | 0.028 |
| 7/21/2015 | 11:58:38 | 0.031 |
| 7/21/2015 | 11:59:38 | 0.028 |
| 7/21/2015 | 12:00:38 | 0.032 |
| 7/21/2015 | 12:01:38 | 0.029 |
| 7/21/2015 | 12:02:38 | 0.03  |
| 7/21/2015 | 12:03:38 | 0.032 |
| 7/21/2015 | 12:04:38 | 0.031 |
| 7/21/2015 | 12:05:38 | 0.03  |
| 7/21/2015 | 12:06:38 | 0.03  |
| 7/21/2015 | 12:07:38 | 0.03  |
| 7/21/2015 | 12:08:38 | 0.031 |
| 7/21/2015 | 12:09:38 | 0.029 |
| 7/21/2015 | 12:10:38 | 0.03  |
| 7/21/2015 | 12:11:38 | 0.033 |
| 7/21/2015 | 12:12:38 | 0.032 |
| 7/21/2015 | 12:13:38 | 0.03  |
| 7/21/2015 | 12:14:38 | 0.031 |
| 7/21/2015 | 12:15:38 | 0.03  |
| 7/21/2015 | 12:16:38 | 0.03  |
| 7/21/2015 | 12:17:38 | 0.03  |
| 7/21/2015 | 12:18:38 | 0.03  |
| 7/21/2015 | 12:19:38 | 0.03  |
| 7/21/2015 | 12:20:38 | 0.029 |
| 7/21/2015 | 12:21:38 | 0.029 |
| 7/21/2015 | 12:22:38 | 0.033 |
| 7/21/2015 | 12:23:38 | 0.031 |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|           |          |       |
|-----------|----------|-------|
| 7/21/2015 | 12:24:38 | 0.032 |
| 7/21/2015 | 12:25:38 | 0.034 |
| 7/21/2015 | 12:26:38 | 0.032 |
| 7/21/2015 | 12:27:38 | 0.029 |
| 7/21/2015 | 12:28:38 | 0.056 |
| 7/21/2015 | 12:29:38 | 0.039 |
| 7/21/2015 | 12:30:38 | 0.029 |
| 7/21/2015 | 12:31:38 | 0.031 |
| 7/21/2015 | 12:32:38 | 0.032 |
| 7/21/2015 | 12:33:38 | 0.031 |
| 7/21/2015 | 12:34:38 | 0.031 |
| 7/21/2015 | 12:35:38 | 0.029 |
| 7/21/2015 | 12:36:38 | 0.029 |
| 7/21/2015 | 12:37:38 | 0.032 |
| 7/21/2015 | 12:38:38 | 0.033 |
| 7/21/2015 | 12:39:38 | 0.037 |
| 7/21/2015 | 12:40:38 | 0.035 |
| 7/21/2015 | 12:41:38 | 0.035 |
| 7/21/2015 | 12:42:38 | 0.031 |
| 7/21/2015 | 12:43:38 | 0.034 |
| 7/21/2015 | 12:44:38 | 0.03  |
| 7/21/2015 | 12:45:38 | 0.031 |
| 7/21/2015 | 12:46:38 | 0.032 |
| 7/21/2015 | 12:47:38 | 0.027 |
| 7/21/2015 | 12:48:38 | 0.029 |
| 7/21/2015 | 12:49:38 | 0.028 |
| 7/21/2015 | 12:50:38 | 0.028 |
| 7/21/2015 | 12:51:38 | 0.037 |
| 7/21/2015 | 12:52:38 | 0.029 |
| 7/21/2015 | 12:53:38 | 0.031 |
| 7/21/2015 | 12:54:38 | 0.042 |
| 7/21/2015 | 12:55:38 | 0.029 |
| 7/21/2015 | 12:56:38 | 0.034 |
| 7/21/2015 | 12:57:38 | 0.031 |
| 7/21/2015 | 12:58:38 | 0.032 |
| 7/21/2015 | 12:59:38 | 0.033 |
| 7/21/2015 | 13:00:38 | 0.03  |
| 7/21/2015 | 13:01:38 | 0.035 |
| 7/21/2015 | 13:02:38 | 0.036 |
| 7/21/2015 | 13:03:38 | 0.028 |
| 7/21/2015 | 13:04:38 | 0.034 |
| 7/21/2015 | 13:05:38 | 0.03  |
| 7/21/2015 | 13:06:38 | 0.031 |
| 7/21/2015 | 13:07:38 | 0.03  |
| 7/21/2015 | 13:08:38 | 0.028 |
| 7/21/2015 | 13:09:38 | 0.028 |
| 7/21/2015 | 13:10:38 | 0.027 |



City of Rochester  
Orchard-Whitney SSI CAMP Data

|                         |                  |                   |
|-------------------------|------------------|-------------------|
| 7/21/2015               | 13:11:38         | 0.03              |
| 7/21/2015               | 13:12:38         | 0.037             |
| 7/21/2015               | 13:13:38         | 0.029             |
| 7/21/2015               | 13:14:38         | 0.028             |
| 7/21/2015               | 13:15:38         | 0.033             |
| 7/21/2015               | 13:16:38         | 0.03              |
| 7/21/2015               | 13:17:38         | 0.03              |
| 7/21/2015               | 13:18:38         | 0.037             |
| 7/21/2015               | 13:19:38         | 0.059             |
| 7/21/2015               | 13:20:38         | 0.039             |
| 7/21/2015               | 13:21:38         | 0.029             |
| 7/21/2015               | 13:22:38         | 0.032             |
| 7/21/2015               | 13:23:38         | 0.041             |
| 7/21/2015               | 13:24:38         | 0.03              |
| 7/21/2015               | 13:25:38         | 0.034             |
| 7/21/2015               | 13:26:38         | 0.032             |
| 7/21/2015               | 13:27:38         | 0.029             |
| 7/21/2015               | 13:28:38         | 0.028             |
| 7/21/2015               | 13:29:38         | 0.028             |
| 7/21/2015               | 13:30:38         | 0.028             |
| 7/21/2015               | 13:31:38         | 0.028             |
| 7/21/2015               | 13:32:38         | 0.028             |
| 7/21/2015               | 13:33:38         | 0.029             |
| 7/21/2015               | 13:34:38         | 0.03              |
| 7/21/2015               | 13:35:38         | 0.034             |
| 7/21/2015               | 13:36:38         | 0.049             |
| 7/21/2015               | 13:37:38         | 0.034             |
|                         |                  |                   |
| Model:                  | DustTrak II      |                   |
| Model Number:           | 8530             |                   |
| Serial Number:          | 8530122604       |                   |
| Test ID:                | 3                |                   |
| Test Abbreviation:      | MANUAL_003       |                   |
| Start Date:             | 7/22/2015        |                   |
| Start Time:             | 7:11:09          |                   |
| Duration (dd:hh:mm:ss): | 0:03:24:00       |                   |
| Log Interval (mm:ss):   | 1:00             |                   |
| Number of points:       | 204              |                   |
| Notes:                  |                  |                   |
|                         |                  |                   |
| Statistics              | Channel:         | AEROSOL           |
|                         | Units:           | mg/m <sup>3</sup> |
|                         | Average:         | 0.022             |
|                         | Minimum:         | 0.017             |
|                         | Time of Minimum: | 7:58:09           |
|                         | Date of Minimum: | 7/22/2015         |
|                         | Maximum:         | 0.14              |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|             |                  |                   |
|-------------|------------------|-------------------|
|             | Time of Maximum: | 10:30:09          |
|             | Date of Maximum: | 7/22/2015         |
|             |                  |                   |
| Calibration | Sensor:          | AEROSOL           |
|             | Cal. date        | 2/10/2015         |
|             |                  |                   |
| Date        | Time             | AEROSOL           |
| MM/dd/yyyy  | hh:mm:ss         | mg/m <sup>3</sup> |
| 7/22/2015   | 7:12:09          | 0.029             |
| 7/22/2015   | 7:13:09          | 0.024             |
| 7/22/2015   | 7:14:09          | 0.032             |
| 7/22/2015   | 7:15:09          | 0.025             |
| 7/22/2015   | 7:16:09          | 0.023             |
| 7/22/2015   | 7:17:09          | 0.023             |
| 7/22/2015   | 7:18:09          | 0.022             |
| 7/22/2015   | 7:19:09          | 0.022             |
| 7/22/2015   | 7:20:09          | 0.023             |
| 7/22/2015   | 7:21:09          | 0.021             |
| 7/22/2015   | 7:22:09          | 0.024             |
| 7/22/2015   | 7:23:09          | 0.064             |
| 7/22/2015   | 7:24:09          | 0.023             |
| 7/22/2015   | 7:25:09          | 0.042             |
| 7/22/2015   | 7:26:09          | 0.021             |
| 7/22/2015   | 7:27:09          | 0.019             |
| 7/22/2015   | 7:28:09          | 0.02              |
| 7/22/2015   | 7:29:09          | 0.02              |
| 7/22/2015   | 7:30:09          | 0.02              |
| 7/22/2015   | 7:31:09          | 0.022             |
| 7/22/2015   | 7:32:09          | 0.02              |
| 7/22/2015   | 7:33:09          | 0.022             |
| 7/22/2015   | 7:34:09          | 0.02              |
| 7/22/2015   | 7:35:09          | 0.02              |
| 7/22/2015   | 7:36:09          | 0.02              |
| 7/22/2015   | 7:37:09          | 0.019             |
| 7/22/2015   | 7:38:09          | 0.02              |
| 7/22/2015   | 7:39:09          | 0.019             |
| 7/22/2015   | 7:40:09          | 0.018             |
| 7/22/2015   | 7:41:09          | 0.019             |
| 7/22/2015   | 7:42:09          | 0.019             |
| 7/22/2015   | 7:43:09          | 0.019             |
| 7/22/2015   | 7:44:09          | 0.018             |
| 7/22/2015   | 7:45:09          | 0.018             |
| 7/22/2015   | 7:46:09          | 0.018             |
| 7/22/2015   | 7:47:09          | 0.018             |
| 7/22/2015   | 7:48:09          | 0.018             |
| 7/22/2015   | 7:49:09          | 0.018             |
| 7/22/2015   | 7:50:09          | 0.018             |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|           |         |       |
|-----------|---------|-------|
| 7/22/2015 | 7:51:09 | 0.019 |
| 7/22/2015 | 7:52:09 | 0.019 |
| 7/22/2015 | 7:53:09 | 0.018 |
| 7/22/2015 | 7:54:09 | 0.018 |
| 7/22/2015 | 7:55:09 | 0.019 |
| 7/22/2015 | 7:56:09 | 0.018 |
| 7/22/2015 | 7:57:09 | 0.018 |
| 7/22/2015 | 7:58:09 | 0.017 |
| 7/22/2015 | 7:59:09 | 0.018 |
| 7/22/2015 | 8:00:09 | 0.023 |
| 7/22/2015 | 8:01:09 | 0.019 |
| 7/22/2015 | 8:02:09 | 0.021 |
| 7/22/2015 | 8:03:09 | 0.019 |
| 7/22/2015 | 8:04:09 | 0.018 |
| 7/22/2015 | 8:05:09 | 0.018 |
| 7/22/2015 | 8:06:09 | 0.018 |
| 7/22/2015 | 8:07:09 | 0.021 |
| 7/22/2015 | 8:08:09 | 0.02  |
| 7/22/2015 | 8:09:09 | 0.02  |
| 7/22/2015 | 8:10:09 | 0.021 |
| 7/22/2015 | 8:11:09 | 0.018 |
| 7/22/2015 | 8:12:09 | 0.018 |
| 7/22/2015 | 8:13:09 | 0.018 |
| 7/22/2015 | 8:14:09 | 0.018 |
| 7/22/2015 | 8:15:09 | 0.018 |
| 7/22/2015 | 8:16:09 | 0.018 |
| 7/22/2015 | 8:17:09 | 0.017 |
| 7/22/2015 | 8:18:09 | 0.018 |
| 7/22/2015 | 8:19:09 | 0.018 |
| 7/22/2015 | 8:20:09 | 0.018 |
| 7/22/2015 | 8:21:09 | 0.018 |
| 7/22/2015 | 8:22:09 | 0.017 |
| 7/22/2015 | 8:23:09 | 0.017 |
| 7/22/2015 | 8:24:09 | 0.019 |
| 7/22/2015 | 8:25:09 | 0.019 |
| 7/22/2015 | 8:26:09 | 0.018 |
| 7/22/2015 | 8:27:09 | 0.018 |
| 7/22/2015 | 8:28:09 | 0.019 |
| 7/22/2015 | 8:29:09 | 0.019 |
| 7/22/2015 | 8:30:09 | 0.019 |
| 7/22/2015 | 8:31:09 | 0.018 |
| 7/22/2015 | 8:32:09 | 0.018 |
| 7/22/2015 | 8:33:09 | 0.019 |
| 7/22/2015 | 8:34:09 | 0.02  |
| 7/22/2015 | 8:35:09 | 0.019 |
| 7/22/2015 | 8:36:09 | 0.019 |
| 7/22/2015 | 8:37:09 | 0.019 |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|           |         |       |
|-----------|---------|-------|
| 7/22/2015 | 8:38:09 | 0.019 |
| 7/22/2015 | 8:39:09 | 0.019 |
| 7/22/2015 | 8:40:09 | 0.019 |
| 7/22/2015 | 8:41:09 | 0.019 |
| 7/22/2015 | 8:42:09 | 0.024 |
| 7/22/2015 | 8:43:09 | 0.019 |
| 7/22/2015 | 8:44:09 | 0.019 |
| 7/22/2015 | 8:45:09 | 0.019 |
| 7/22/2015 | 8:46:09 | 0.018 |
| 7/22/2015 | 8:47:09 | 0.019 |
| 7/22/2015 | 8:48:09 | 0.02  |
| 7/22/2015 | 8:49:09 | 0.02  |
| 7/22/2015 | 8:50:09 | 0.019 |
| 7/22/2015 | 8:51:09 | 0.018 |
| 7/22/2015 | 8:52:09 | 0.02  |
| 7/22/2015 | 8:53:09 | 0.017 |
| 7/22/2015 | 8:54:09 | 0.021 |
| 7/22/2015 | 8:55:09 | 0.027 |
| 7/22/2015 | 8:56:09 | 0.02  |
| 7/22/2015 | 8:57:09 | 0.018 |
| 7/22/2015 | 8:58:09 | 0.018 |
| 7/22/2015 | 8:59:09 | 0.019 |
| 7/22/2015 | 9:00:09 | 0.048 |
| 7/22/2015 | 9:01:09 | 0.018 |
| 7/22/2015 | 9:02:09 | 0.019 |
| 7/22/2015 | 9:03:09 | 0.018 |
| 7/22/2015 | 9:04:09 | 0.018 |
| 7/22/2015 | 9:05:09 | 0.018 |
| 7/22/2015 | 9:06:09 | 0.02  |
| 7/22/2015 | 9:07:09 | 0.018 |
| 7/22/2015 | 9:08:09 | 0.018 |
| 7/22/2015 | 9:09:09 | 0.019 |
| 7/22/2015 | 9:10:09 | 0.019 |
| 7/22/2015 | 9:11:09 | 0.02  |
| 7/22/2015 | 9:12:09 | 0.02  |
| 7/22/2015 | 9:13:09 | 0.02  |
| 7/22/2015 | 9:14:09 | 0.018 |
| 7/22/2015 | 9:15:09 | 0.018 |
| 7/22/2015 | 9:16:09 | 0.018 |
| 7/22/2015 | 9:17:09 | 0.018 |
| 7/22/2015 | 9:18:09 | 0.021 |
| 7/22/2015 | 9:19:09 | 0.018 |
| 7/22/2015 | 9:20:09 | 0.017 |
| 7/22/2015 | 9:21:09 | 0.019 |
| 7/22/2015 | 9:22:09 | 0.019 |
| 7/22/2015 | 9:23:09 | 0.019 |
| 7/22/2015 | 9:24:09 | 0.019 |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|           |          |       |
|-----------|----------|-------|
| 7/22/2015 | 9:25:09  | 0.018 |
| 7/22/2015 | 9:26:09  | 0.019 |
| 7/22/2015 | 9:27:09  | 0.019 |
| 7/22/2015 | 9:28:09  | 0.018 |
| 7/22/2015 | 9:29:09  | 0.02  |
| 7/22/2015 | 9:30:09  | 0.018 |
| 7/22/2015 | 9:31:09  | 0.018 |
| 7/22/2015 | 9:32:09  | 0.018 |
| 7/22/2015 | 9:33:09  | 0.018 |
| 7/22/2015 | 9:34:09  | 0.018 |
| 7/22/2015 | 9:35:09  | 0.019 |
| 7/22/2015 | 9:36:09  | 0.038 |
| 7/22/2015 | 9:37:09  | 0.023 |
| 7/22/2015 | 9:38:09  | 0.02  |
| 7/22/2015 | 9:39:09  | 0.018 |
| 7/22/2015 | 9:40:09  | 0.019 |
| 7/22/2015 | 9:41:09  | 0.019 |
| 7/22/2015 | 9:42:09  | 0.019 |
| 7/22/2015 | 9:43:09  | 0.021 |
| 7/22/2015 | 9:44:09  | 0.018 |
| 7/22/2015 | 9:45:09  | 0.02  |
| 7/22/2015 | 9:46:09  | 0.019 |
| 7/22/2015 | 9:47:09  | 0.025 |
| 7/22/2015 | 9:48:09  | 0.019 |
| 7/22/2015 | 9:49:09  | 0.02  |
| 7/22/2015 | 9:50:09  | 0.022 |
| 7/22/2015 | 9:51:09  | 0.019 |
| 7/22/2015 | 9:52:09  | 0.019 |
| 7/22/2015 | 9:53:09  | 0.022 |
| 7/22/2015 | 9:54:09  | 0.023 |
| 7/22/2015 | 9:55:09  | 0.022 |
| 7/22/2015 | 9:56:09  | 0.024 |
| 7/22/2015 | 9:57:09  | 0.019 |
| 7/22/2015 | 9:58:09  | 0.025 |
| 7/22/2015 | 9:59:09  | 0.023 |
| 7/22/2015 | 10:00:09 | 0.019 |
| 7/22/2015 | 10:01:09 | 0.018 |
| 7/22/2015 | 10:02:09 | 0.018 |
| 7/22/2015 | 10:03:09 | 0.019 |
| 7/22/2015 | 10:04:09 | 0.019 |
| 7/22/2015 | 10:05:09 | 0.019 |
| 7/22/2015 | 10:06:09 | 0.019 |
| 7/22/2015 | 10:07:09 | 0.019 |
| 7/22/2015 | 10:08:09 | 0.02  |
| 7/22/2015 | 10:09:09 | 0.021 |
| 7/22/2015 | 10:10:09 | 0.025 |
| 7/22/2015 | 10:11:09 | 0.022 |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|           |          |       |
|-----------|----------|-------|
| 7/22/2015 | 10:12:09 | 0.047 |
| 7/22/2015 | 10:13:09 | 0.02  |
| 7/22/2015 | 10:14:09 | 0.019 |
| 7/22/2015 | 10:15:09 | 0.019 |
| 7/22/2015 | 10:16:09 | 0.02  |
| 7/22/2015 | 10:17:09 | 0.029 |
| 7/22/2015 | 10:18:09 | 0.06  |
| 7/22/2015 | 10:19:09 | 0.019 |
| 7/22/2015 | 10:20:09 | 0.036 |
| 7/22/2015 | 10:21:09 | 0.05  |
| 7/22/2015 | 10:22:09 | 0.063 |
| 7/22/2015 | 10:23:09 | 0.021 |
| 7/22/2015 | 10:24:09 | 0.024 |
| 7/22/2015 | 10:25:09 | 0.019 |
| 7/22/2015 | 10:26:09 | 0.019 |
| 7/22/2015 | 10:27:09 | 0.032 |
| 7/22/2015 | 10:28:09 | 0.067 |
| 7/22/2015 | 10:29:09 | 0.022 |
| 7/22/2015 | 10:30:09 | 0.14  |
| 7/22/2015 | 10:31:09 | 0.022 |
| 7/22/2015 | 10:32:09 | 0.069 |
| 7/22/2015 | 10:33:09 | 0.026 |
| 7/22/2015 | 10:34:09 | 0.021 |
| 7/22/2015 | 10:35:09 | 0.021 |

City of Rochester  
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|                                      |                  |                   |
|--------------------------------------|------------------|-------------------|
| TrakPro Version 4.61 ASCII Data File |                  |                   |
| Model:                               | DustTrak II      |                   |
| Model Number:                        | 8530             |                   |
| Serial Number:                       | 8530143404       |                   |
| Test ID:                             | 1                |                   |
| Test Abbreviation:                   | MANUAL_001       |                   |
| Start Date:                          | 7/20/2015        |                   |
| Start Time:                          | 8:23:53          |                   |
| Duration (dd:hh:mm:ss):              | 0:07:11:00       |                   |
| Log Interval (mm:ss):                | 1:00             |                   |
| Number of points:                    | 431              |                   |
| Notes:                               |                  |                   |
| Statistics                           | Channel:         | AEROSOL           |
|                                      | Units:           | mg/m <sup>3</sup> |
|                                      | Average:         | 0.012             |
|                                      | Minimum:         | 0.008             |
|                                      | Time of Minimum: | 10:52:53          |
|                                      | Date of Minimum: | 7/20/2015         |
|                                      | Maximum:         | 0.028             |
|                                      | Time of Maximum: | 8:28:53           |
|                                      | Date of Maximum: | 7/20/2015         |
| Calibration                          | Sensor:          | AEROSOL           |
|                                      | Cal. date        | 5/8/2015          |
| Date                                 | Time             | AEROSOL           |
| MM/dd/yyyy                           | hh:mm:ss         | mg/m <sup>3</sup> |
| 7/20/2015                            | 8:24:53          | 0.026             |
| 7/20/2015                            | 8:25:53          | 0.025             |
| 7/20/2015                            | 8:26:53          | 0.027             |
| 7/20/2015                            | 8:27:53          | 0.027             |
| 7/20/2015                            | 8:28:53          | 0.028             |
| 7/20/2015                            | 8:29:53          | 0.026             |
| 7/20/2015                            | 8:30:53          | 0.027             |
| 7/20/2015                            | 8:31:53          | 0.027             |
| 7/20/2015                            | 8:32:53          | 0.028             |
| 7/20/2015                            | 8:33:53          | 0.026             |
| 7/20/2015                            | 8:34:53          | 0.027             |
| 7/20/2015                            | 8:35:53          | 0.026             |
| 7/20/2015                            | 8:36:53          | 0.024             |
| 7/20/2015                            | 8:37:53          | 0.025             |
| 7/20/2015                            | 8:38:53          | 0.024             |
| 7/20/2015                            | 8:39:53          | 0.024             |
| 7/20/2015                            | 8:40:53          | 0.024             |
| 7/20/2015                            | 8:41:53          | 0.024             |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|           |         |       |
|-----------|---------|-------|
| 7/20/2015 | 8:42:53 | 0.024 |
| 7/20/2015 | 8:43:53 | 0.023 |
| 7/20/2015 | 8:44:53 | 0.022 |
| 7/20/2015 | 8:45:53 | 0.022 |
| 7/20/2015 | 8:46:53 | 0.022 |
| 7/20/2015 | 8:47:53 | 0.022 |
| 7/20/2015 | 8:48:53 | 0.021 |
| 7/20/2015 | 8:49:53 | 0.021 |
| 7/20/2015 | 8:50:53 | 0.02  |
| 7/20/2015 | 8:51:53 | 0.02  |
| 7/20/2015 | 8:52:53 | 0.019 |
| 7/20/2015 | 8:53:53 | 0.019 |
| 7/20/2015 | 8:54:53 | 0.019 |
| 7/20/2015 | 8:55:53 | 0.018 |
| 7/20/2015 | 8:56:53 | 0.018 |
| 7/20/2015 | 8:57:53 | 0.018 |
| 7/20/2015 | 8:58:53 | 0.018 |
| 7/20/2015 | 8:59:53 | 0.017 |
| 7/20/2015 | 9:00:53 | 0.017 |
| 7/20/2015 | 9:01:53 | 0.018 |
| 7/20/2015 | 9:02:53 | 0.018 |
| 7/20/2015 | 9:03:53 | 0.018 |
| 7/20/2015 | 9:04:53 | 0.018 |
| 7/20/2015 | 9:05:53 | 0.017 |
| 7/20/2015 | 9:06:53 | 0.018 |
| 7/20/2015 | 9:07:53 | 0.016 |
| 7/20/2015 | 9:08:53 | 0.016 |
| 7/20/2015 | 9:09:53 | 0.016 |
| 7/20/2015 | 9:10:53 | 0.016 |
| 7/20/2015 | 9:11:53 | 0.016 |
| 7/20/2015 | 9:12:53 | 0.016 |
| 7/20/2015 | 9:13:53 | 0.015 |
| 7/20/2015 | 9:14:53 | 0.016 |
| 7/20/2015 | 9:15:53 | 0.016 |
| 7/20/2015 | 9:16:53 | 0.017 |
| 7/20/2015 | 9:17:53 | 0.017 |
| 7/20/2015 | 9:18:53 | 0.018 |
| 7/20/2015 | 9:19:53 | 0.017 |
| 7/20/2015 | 9:20:53 | 0.017 |
| 7/20/2015 | 9:21:53 | 0.016 |
| 7/20/2015 | 9:22:53 | 0.017 |
| 7/20/2015 | 9:23:53 | 0.016 |
| 7/20/2015 | 9:24:53 | 0.016 |
| 7/20/2015 | 9:25:53 | 0.016 |
| 7/20/2015 | 9:26:53 | 0.016 |
| 7/20/2015 | 9:27:53 | 0.016 |
| 7/20/2015 | 9:28:53 | 0.015 |



City of Rochester  
Orchard-Whitney SSI CAMP Data

|           |          |       |
|-----------|----------|-------|
| 7/20/2015 | 9:29:53  | 0.015 |
| 7/20/2015 | 9:30:53  | 0.015 |
| 7/20/2015 | 9:31:53  | 0.015 |
| 7/20/2015 | 9:32:53  | 0.015 |
| 7/20/2015 | 9:33:53  | 0.015 |
| 7/20/2015 | 9:34:53  | 0.015 |
| 7/20/2015 | 9:35:53  | 0.015 |
| 7/20/2015 | 9:36:53  | 0.014 |
| 7/20/2015 | 9:37:53  | 0.014 |
| 7/20/2015 | 9:38:53  | 0.014 |
| 7/20/2015 | 9:39:53  | 0.014 |
| 7/20/2015 | 9:40:53  | 0.014 |
| 7/20/2015 | 9:41:53  | 0.014 |
| 7/20/2015 | 9:42:53  | 0.014 |
| 7/20/2015 | 9:43:53  | 0.015 |
| 7/20/2015 | 9:44:53  | 0.015 |
| 7/20/2015 | 9:45:53  | 0.015 |
| 7/20/2015 | 9:46:53  | 0.016 |
| 7/20/2015 | 9:47:53  | 0.015 |
| 7/20/2015 | 9:48:53  | 0.016 |
| 7/20/2015 | 9:49:53  | 0.014 |
| 7/20/2015 | 9:50:53  | 0.015 |
| 7/20/2015 | 9:51:53  | 0.015 |
| 7/20/2015 | 9:52:53  | 0.013 |
| 7/20/2015 | 9:53:53  | 0.013 |
| 7/20/2015 | 9:54:53  | 0.016 |
| 7/20/2015 | 9:55:53  | 0.015 |
| 7/20/2015 | 9:56:53  | 0.014 |
| 7/20/2015 | 9:57:53  | 0.014 |
| 7/20/2015 | 9:58:53  | 0.015 |
| 7/20/2015 | 9:59:53  | 0.017 |
| 7/20/2015 | 10:00:53 | 0.016 |
| 7/20/2015 | 10:01:53 | 0.013 |
| 7/20/2015 | 10:02:53 | 0.012 |
| 7/20/2015 | 10:03:53 | 0.012 |
| 7/20/2015 | 10:04:53 | 0.012 |
| 7/20/2015 | 10:05:53 | 0.013 |
| 7/20/2015 | 10:06:53 | 0.012 |
| 7/20/2015 | 10:07:53 | 0.012 |
| 7/20/2015 | 10:08:53 | 0.012 |
| 7/20/2015 | 10:09:53 | 0.011 |
| 7/20/2015 | 10:10:53 | 0.011 |
| 7/20/2015 | 10:11:53 | 0.011 |
| 7/20/2015 | 10:12:53 | 0.012 |
| 7/20/2015 | 10:13:53 | 0.012 |
| 7/20/2015 | 10:14:53 | 0.012 |
| 7/20/2015 | 10:15:53 | 0.012 |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|           |          |       |
|-----------|----------|-------|
| 7/20/2015 | 10:16:53 | 0.012 |
| 7/20/2015 | 10:17:53 | 0.012 |
| 7/20/2015 | 10:18:53 | 0.012 |
| 7/20/2015 | 10:19:53 | 0.011 |
| 7/20/2015 | 10:20:53 | 0.012 |
| 7/20/2015 | 10:21:53 | 0.011 |
| 7/20/2015 | 10:22:53 | 0.011 |
| 7/20/2015 | 10:23:53 | 0.012 |
| 7/20/2015 | 10:24:53 | 0.013 |
| 7/20/2015 | 10:25:53 | 0.012 |
| 7/20/2015 | 10:26:53 | 0.011 |
| 7/20/2015 | 10:27:53 | 0.011 |
| 7/20/2015 | 10:28:53 | 0.011 |
| 7/20/2015 | 10:29:53 | 0.011 |
| 7/20/2015 | 10:30:53 | 0.011 |
| 7/20/2015 | 10:31:53 | 0.011 |
| 7/20/2015 | 10:32:53 | 0.011 |
| 7/20/2015 | 10:33:53 | 0.011 |
| 7/20/2015 | 10:34:53 | 0.011 |
| 7/20/2015 | 10:35:53 | 0.011 |
| 7/20/2015 | 10:36:53 | 0.011 |
| 7/20/2015 | 10:37:53 | 0.01  |
| 7/20/2015 | 10:38:53 | 0.01  |
| 7/20/2015 | 10:39:53 | 0.009 |
| 7/20/2015 | 10:40:53 | 0.01  |
| 7/20/2015 | 10:41:53 | 0.01  |
| 7/20/2015 | 10:42:53 | 0.01  |
| 7/20/2015 | 10:43:53 | 0.011 |
| 7/20/2015 | 10:44:53 | 0.011 |
| 7/20/2015 | 10:45:53 | 0.011 |
| 7/20/2015 | 10:46:53 | 0.011 |
| 7/20/2015 | 10:47:53 | 0.011 |
| 7/20/2015 | 10:48:53 | 0.01  |
| 7/20/2015 | 10:49:53 | 0.01  |
| 7/20/2015 | 10:50:53 | 0.009 |
| 7/20/2015 | 10:51:53 | 0.009 |
| 7/20/2015 | 10:52:53 | 0.008 |
| 7/20/2015 | 10:53:53 | 0.009 |
| 7/20/2015 | 10:54:53 | 0.009 |
| 7/20/2015 | 10:55:53 | 0.01  |
| 7/20/2015 | 10:56:53 | 0.01  |
| 7/20/2015 | 10:57:53 | 0.01  |
| 7/20/2015 | 10:58:53 | 0.01  |
| 7/20/2015 | 10:59:53 | 0.01  |
| 7/20/2015 | 11:00:53 | 0.01  |
| 7/20/2015 | 11:01:53 | 0.01  |
| 7/20/2015 | 11:02:53 | 0.01  |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|           |          |       |
|-----------|----------|-------|
| 7/20/2015 | 11:03:53 | 0.01  |
| 7/20/2015 | 11:04:53 | 0.01  |
| 7/20/2015 | 11:05:53 | 0.01  |
| 7/20/2015 | 11:06:53 | 0.011 |
| 7/20/2015 | 11:07:53 | 0.01  |
| 7/20/2015 | 11:08:53 | 0.01  |
| 7/20/2015 | 11:09:53 | 0.01  |
| 7/20/2015 | 11:10:53 | 0.01  |
| 7/20/2015 | 11:11:53 | 0.01  |
| 7/20/2015 | 11:12:53 | 0.011 |
| 7/20/2015 | 11:13:53 | 0.01  |
| 7/20/2015 | 11:14:53 | 0.01  |
| 7/20/2015 | 11:15:53 | 0.01  |
| 7/20/2015 | 11:16:53 | 0.01  |
| 7/20/2015 | 11:17:53 | 0.01  |
| 7/20/2015 | 11:18:53 | 0.01  |
| 7/20/2015 | 11:19:53 | 0.011 |
| 7/20/2015 | 11:20:53 | 0.01  |
| 7/20/2015 | 11:21:53 | 0.01  |
| 7/20/2015 | 11:22:53 | 0.01  |
| 7/20/2015 | 11:23:53 | 0.011 |
| 7/20/2015 | 11:24:53 | 0.01  |
| 7/20/2015 | 11:25:53 | 0.01  |
| 7/20/2015 | 11:26:53 | 0.01  |
| 7/20/2015 | 11:27:53 | 0.01  |
| 7/20/2015 | 11:28:53 | 0.01  |
| 7/20/2015 | 11:29:53 | 0.01  |
| 7/20/2015 | 11:30:53 | 0.011 |
| 7/20/2015 | 11:31:53 | 0.01  |
| 7/20/2015 | 11:32:53 | 0.012 |
| 7/20/2015 | 11:33:53 | 0.01  |
| 7/20/2015 | 11:34:53 | 0.01  |
| 7/20/2015 | 11:35:53 | 0.01  |
| 7/20/2015 | 11:36:53 | 0.01  |
| 7/20/2015 | 11:37:53 | 0.01  |
| 7/20/2015 | 11:38:53 | 0.01  |
| 7/20/2015 | 11:39:53 | 0.01  |
| 7/20/2015 | 11:40:53 | 0.01  |
| 7/20/2015 | 11:41:53 | 0.01  |
| 7/20/2015 | 11:42:53 | 0.01  |
| 7/20/2015 | 11:43:53 | 0.009 |
| 7/20/2015 | 11:44:53 | 0.01  |
| 7/20/2015 | 11:45:53 | 0.01  |
| 7/20/2015 | 11:46:53 | 0.013 |
| 7/20/2015 | 11:47:53 | 0.01  |
| 7/20/2015 | 11:48:53 | 0.01  |
| 7/20/2015 | 11:49:53 | 0.01  |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|           |          |       |
|-----------|----------|-------|
| 7/20/2015 | 11:50:53 | 0.01  |
| 7/20/2015 | 11:51:53 | 0.009 |
| 7/20/2015 | 11:52:53 | 0.009 |
| 7/20/2015 | 11:53:53 | 0.009 |
| 7/20/2015 | 11:54:53 | 0.01  |
| 7/20/2015 | 11:55:53 | 0.01  |
| 7/20/2015 | 11:56:53 | 0.01  |
| 7/20/2015 | 11:57:53 | 0.01  |
| 7/20/2015 | 11:58:53 | 0.01  |
| 7/20/2015 | 11:59:53 | 0.01  |
| 7/20/2015 | 12:00:53 | 0.01  |
| 7/20/2015 | 12:01:53 | 0.01  |
| 7/20/2015 | 12:02:53 | 0.01  |
| 7/20/2015 | 12:03:53 | 0.01  |
| 7/20/2015 | 12:04:53 | 0.01  |
| 7/20/2015 | 12:05:53 | 0.01  |
| 7/20/2015 | 12:06:53 | 0.01  |
| 7/20/2015 | 12:07:53 | 0.01  |
| 7/20/2015 | 12:08:53 | 0.01  |
| 7/20/2015 | 12:09:53 | 0.011 |
| 7/20/2015 | 12:10:53 | 0.011 |
| 7/20/2015 | 12:11:53 | 0.01  |
| 7/20/2015 | 12:12:53 | 0.01  |
| 7/20/2015 | 12:13:53 | 0.01  |
| 7/20/2015 | 12:14:53 | 0.011 |
| 7/20/2015 | 12:15:53 | 0.012 |
| 7/20/2015 | 12:16:53 | 0.015 |
| 7/20/2015 | 12:17:53 | 0.011 |
| 7/20/2015 | 12:18:53 | 0.011 |
| 7/20/2015 | 12:19:53 | 0.011 |
| 7/20/2015 | 12:20:53 | 0.014 |
| 7/20/2015 | 12:21:53 | 0.011 |
| 7/20/2015 | 12:22:53 | 0.01  |
| 7/20/2015 | 12:23:53 | 0.01  |
| 7/20/2015 | 12:24:53 | 0.01  |
| 7/20/2015 | 12:25:53 | 0.009 |
| 7/20/2015 | 12:26:53 | 0.011 |
| 7/20/2015 | 12:27:53 | 0.014 |
| 7/20/2015 | 12:28:53 | 0.01  |
| 7/20/2015 | 12:29:53 | 0.011 |
| 7/20/2015 | 12:30:53 | 0.011 |
| 7/20/2015 | 12:31:53 | 0.01  |
| 7/20/2015 | 12:32:53 | 0.009 |
| 7/20/2015 | 12:33:53 | 0.011 |
| 7/20/2015 | 12:34:53 | 0.01  |
| 7/20/2015 | 12:35:53 | 0.009 |
| 7/20/2015 | 12:36:53 | 0.01  |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|           |          |       |
|-----------|----------|-------|
| 7/20/2015 | 12:37:53 | 0.009 |
| 7/20/2015 | 12:38:53 | 0.009 |
| 7/20/2015 | 12:39:53 | 0.009 |
| 7/20/2015 | 12:40:53 | 0.01  |
| 7/20/2015 | 12:41:53 | 0.009 |
| 7/20/2015 | 12:42:53 | 0.009 |
| 7/20/2015 | 12:43:53 | 0.009 |
| 7/20/2015 | 12:44:53 | 0.008 |
| 7/20/2015 | 12:45:53 | 0.008 |
| 7/20/2015 | 12:46:53 | 0.008 |
| 7/20/2015 | 12:47:53 | 0.009 |
| 7/20/2015 | 12:48:53 | 0.009 |
| 7/20/2015 | 12:49:53 | 0.01  |
| 7/20/2015 | 12:50:53 | 0.01  |
| 7/20/2015 | 12:51:53 | 0.009 |
| 7/20/2015 | 12:52:53 | 0.011 |
| 7/20/2015 | 12:53:53 | 0.01  |
| 7/20/2015 | 12:54:53 | 0.009 |
| 7/20/2015 | 12:55:53 | 0.009 |
| 7/20/2015 | 12:56:53 | 0.009 |
| 7/20/2015 | 12:57:53 | 0.009 |
| 7/20/2015 | 12:58:53 | 0.009 |
| 7/20/2015 | 12:59:53 | 0.009 |
| 7/20/2015 | 13:00:53 | 0.009 |
| 7/20/2015 | 13:01:53 | 0.01  |
| 7/20/2015 | 13:02:53 | 0.01  |
| 7/20/2015 | 13:03:53 | 0.009 |
| 7/20/2015 | 13:04:53 | 0.009 |
| 7/20/2015 | 13:05:53 | 0.009 |
| 7/20/2015 | 13:06:53 | 0.009 |
| 7/20/2015 | 13:07:53 | 0.01  |
| 7/20/2015 | 13:08:53 | 0.01  |
| 7/20/2015 | 13:09:53 | 0.009 |
| 7/20/2015 | 13:10:53 | 0.009 |
| 7/20/2015 | 13:11:53 | 0.009 |
| 7/20/2015 | 13:12:53 | 0.009 |
| 7/20/2015 | 13:13:53 | 0.01  |
| 7/20/2015 | 13:14:53 | 0.009 |
| 7/20/2015 | 13:15:53 | 0.009 |
| 7/20/2015 | 13:16:53 | 0.012 |
| 7/20/2015 | 13:17:53 | 0.009 |
| 7/20/2015 | 13:18:53 | 0.008 |
| 7/20/2015 | 13:19:53 | 0.009 |
| 7/20/2015 | 13:20:53 | 0.009 |
| 7/20/2015 | 13:21:53 | 0.011 |
| 7/20/2015 | 13:22:53 | 0.012 |
| 7/20/2015 | 13:23:53 | 0.009 |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|           |          |       |
|-----------|----------|-------|
| 7/20/2015 | 13:24:53 | 0.01  |
| 7/20/2015 | 13:25:53 | 0.011 |
| 7/20/2015 | 13:26:53 | 0.011 |
| 7/20/2015 | 13:27:53 | 0.011 |
| 7/20/2015 | 13:28:53 | 0.012 |
| 7/20/2015 | 13:29:53 | 0.01  |
| 7/20/2015 | 13:30:53 | 0.011 |
| 7/20/2015 | 13:31:53 | 0.011 |
| 7/20/2015 | 13:32:53 | 0.01  |
| 7/20/2015 | 13:33:53 | 0.012 |
| 7/20/2015 | 13:34:53 | 0.009 |
| 7/20/2015 | 13:35:53 | 0.009 |
| 7/20/2015 | 13:36:53 | 0.01  |
| 7/20/2015 | 13:37:53 | 0.01  |
| 7/20/2015 | 13:38:53 | 0.01  |
| 7/20/2015 | 13:39:53 | 0.01  |
| 7/20/2015 | 13:40:53 | 0.01  |
| 7/20/2015 | 13:41:53 | 0.01  |
| 7/20/2015 | 13:42:53 | 0.01  |
| 7/20/2015 | 13:43:53 | 0.01  |
| 7/20/2015 | 13:44:53 | 0.011 |
| 7/20/2015 | 13:45:53 | 0.012 |
| 7/20/2015 | 13:46:53 | 0.011 |
| 7/20/2015 | 13:47:53 | 0.011 |
| 7/20/2015 | 13:48:53 | 0.011 |
| 7/20/2015 | 13:49:53 | 0.011 |
| 7/20/2015 | 13:50:53 | 0.011 |
| 7/20/2015 | 13:51:53 | 0.011 |
| 7/20/2015 | 13:52:53 | 0.011 |
| 7/20/2015 | 13:53:53 | 0.012 |
| 7/20/2015 | 13:54:53 | 0.014 |
| 7/20/2015 | 13:55:53 | 0.011 |
| 7/20/2015 | 13:56:53 | 0.012 |
| 7/20/2015 | 13:57:53 | 0.013 |
| 7/20/2015 | 13:58:53 | 0.014 |
| 7/20/2015 | 13:59:53 | 0.013 |
| 7/20/2015 | 14:00:53 | 0.013 |
| 7/20/2015 | 14:01:53 | 0.013 |
| 7/20/2015 | 14:02:53 | 0.013 |
| 7/20/2015 | 14:03:53 | 0.014 |
| 7/20/2015 | 14:04:53 | 0.013 |
| 7/20/2015 | 14:05:53 | 0.013 |
| 7/20/2015 | 14:06:53 | 0.013 |
| 7/20/2015 | 14:07:53 | 0.013 |
| 7/20/2015 | 14:08:53 | 0.013 |
| 7/20/2015 | 14:09:53 | 0.014 |
| 7/20/2015 | 14:10:53 | 0.012 |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|           |          |       |
|-----------|----------|-------|
| 7/20/2015 | 14:11:53 | 0.013 |
| 7/20/2015 | 14:12:53 | 0.017 |
| 7/20/2015 | 14:13:53 | 0.013 |
| 7/20/2015 | 14:14:53 | 0.014 |
| 7/20/2015 | 14:15:53 | 0.012 |
| 7/20/2015 | 14:16:53 | 0.013 |
| 7/20/2015 | 14:17:53 | 0.013 |
| 7/20/2015 | 14:18:53 | 0.012 |
| 7/20/2015 | 14:19:53 | 0.012 |
| 7/20/2015 | 14:20:53 | 0.012 |
| 7/20/2015 | 14:21:53 | 0.012 |
| 7/20/2015 | 14:22:53 | 0.013 |
| 7/20/2015 | 14:23:53 | 0.014 |
| 7/20/2015 | 14:24:53 | 0.012 |
| 7/20/2015 | 14:25:53 | 0.012 |
| 7/20/2015 | 14:26:53 | 0.012 |
| 7/20/2015 | 14:27:53 | 0.012 |
| 7/20/2015 | 14:28:53 | 0.014 |
| 7/20/2015 | 14:29:53 | 0.012 |
| 7/20/2015 | 14:30:53 | 0.013 |
| 7/20/2015 | 14:31:53 | 0.012 |
| 7/20/2015 | 14:32:53 | 0.011 |
| 7/20/2015 | 14:33:53 | 0.012 |
| 7/20/2015 | 14:34:53 | 0.012 |
| 7/20/2015 | 14:35:53 | 0.012 |
| 7/20/2015 | 14:36:53 | 0.012 |
| 7/20/2015 | 14:37:53 | 0.012 |
| 7/20/2015 | 14:38:53 | 0.012 |
| 7/20/2015 | 14:39:53 | 0.012 |
| 7/20/2015 | 14:40:53 | 0.012 |
| 7/20/2015 | 14:41:53 | 0.013 |
| 7/20/2015 | 14:42:53 | 0.012 |
| 7/20/2015 | 14:43:53 | 0.011 |
| 7/20/2015 | 14:44:53 | 0.013 |
| 7/20/2015 | 14:45:53 | 0.012 |
| 7/20/2015 | 14:46:53 | 0.011 |
| 7/20/2015 | 14:47:53 | 0.011 |
| 7/20/2015 | 14:48:53 | 0.011 |
| 7/20/2015 | 14:49:53 | 0.011 |
| 7/20/2015 | 14:50:53 | 0.011 |
| 7/20/2015 | 14:51:53 | 0.011 |
| 7/20/2015 | 14:52:53 | 0.011 |
| 7/20/2015 | 14:53:53 | 0.012 |
| 7/20/2015 | 14:54:53 | 0.012 |
| 7/20/2015 | 14:55:53 | 0.011 |
| 7/20/2015 | 14:56:53 | 0.012 |
| 7/20/2015 | 14:57:53 | 0.014 |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|                         |             |       |
|-------------------------|-------------|-------|
| 7/20/2015               | 14:58:53    | 0.01  |
| 7/20/2015               | 14:59:53    | 0.01  |
| 7/20/2015               | 15:00:53    | 0.01  |
| 7/20/2015               | 15:01:53    | 0.009 |
| 7/20/2015               | 15:02:53    | 0.01  |
| 7/20/2015               | 15:03:53    | 0.01  |
| 7/20/2015               | 15:04:53    | 0.009 |
| 7/20/2015               | 15:05:53    | 0.008 |
| 7/20/2015               | 15:06:53    | 0.011 |
| 7/20/2015               | 15:07:53    | 0.011 |
| 7/20/2015               | 15:08:53    | 0.012 |
| 7/20/2015               | 15:09:53    | 0.012 |
| 7/20/2015               | 15:10:53    | 0.01  |
| 7/20/2015               | 15:11:53    | 0.01  |
| 7/20/2015               | 15:12:53    | 0.01  |
| 7/20/2015               | 15:13:53    | 0.011 |
| 7/20/2015               | 15:14:53    | 0.01  |
| 7/20/2015               | 15:15:53    | 0.013 |
| 7/20/2015               | 15:16:53    | 0.009 |
| 7/20/2015               | 15:17:53    | 0.009 |
| 7/20/2015               | 15:18:53    | 0.009 |
| 7/20/2015               | 15:19:53    | 0.01  |
| 7/20/2015               | 15:20:53    | 0.01  |
| 7/20/2015               | 15:21:53    | 0.01  |
| 7/20/2015               | 15:22:53    | 0.011 |
| 7/20/2015               | 15:23:53    | 0.009 |
| 7/20/2015               | 15:24:53    | 0.01  |
| 7/20/2015               | 15:25:53    | 0.009 |
| 7/20/2015               | 15:26:53    | 0.009 |
| 7/20/2015               | 15:27:53    | 0.01  |
| 7/20/2015               | 15:28:53    | 0.01  |
| 7/20/2015               | 15:29:53    | 0.009 |
| 7/20/2015               | 15:30:53    | 0.009 |
| 7/20/2015               | 15:31:53    | 0.011 |
| 7/20/2015               | 15:32:53    | 0.01  |
| 7/20/2015               | 15:33:53    | 0.01  |
| 7/20/2015               | 15:34:53    | 0.011 |
|                         |             |       |
| Model:                  | DustTrak II |       |
| Model Number:           | 8530        |       |
| Serial Number:          | 8530143404  |       |
| Test ID:                | 2           |       |
| Test Abbreviation:      | MANUAL_002  |       |
| Start Date:             | 7/21/2015   |       |
| Start Time:             | 6:21:35     |       |
| Duration (dd:hh:mm:ss): | 0:07:07:00  |       |
| Log Interval (mm:ss):   | 1:00        |       |



City of Rochester  
Orchard-Whitney SSI CAMP Data

|                   |                  |                   |
|-------------------|------------------|-------------------|
| Number of points: | 427              |                   |
| Notes:            |                  |                   |
| Statistics        | Channel:         | AEROSOL           |
|                   | Units:           | mg/m <sup>3</sup> |
|                   | Average:         | 0.017             |
|                   | Minimum:         | 0.004             |
|                   | Time of Minimum: | 13:25:35          |
|                   | Date of Minimum: | 7/21/2015         |
|                   | Maximum:         | 0.03              |
|                   | Time of Maximum: | 6:24:35           |
|                   | Date of Maximum: | 7/21/2015         |
| Calibration       | Sensor:          | AEROSOL           |
|                   | Cal. date        | 5/8/2015          |
| Date              | Time             | AEROSOL           |
| MM/dd/yyyy        | hh:mm:ss         | mg/m <sup>3</sup> |
| 7/21/2015         | 6:22:35          | 0.026             |
| 7/21/2015         | 6:23:35          | 0.029             |
| 7/21/2015         | 6:24:35          | 0.03              |
| 7/21/2015         | 6:25:35          | 0.03              |
| 7/21/2015         | 6:26:35          | 0.03              |
| 7/21/2015         | 6:27:35          | 0.03              |
| 7/21/2015         | 6:28:35          | 0.03              |
| 7/21/2015         | 6:29:35          | 0.03              |
| 7/21/2015         | 6:30:35          | 0.03              |
| 7/21/2015         | 6:31:35          | 0.03              |
| 7/21/2015         | 6:32:35          | 0.03              |
| 7/21/2015         | 6:33:35          | 0.03              |
| 7/21/2015         | 6:34:35          | 0.03              |
| 7/21/2015         | 6:35:35          | 0.03              |
| 7/21/2015         | 6:36:35          | 0.03              |
| 7/21/2015         | 6:37:35          | 0.03              |
| 7/21/2015         | 6:38:35          | 0.03              |
| 7/21/2015         | 6:39:35          | 0.029             |
| 7/21/2015         | 6:40:35          | 0.029             |
| 7/21/2015         | 6:41:35          | 0.029             |
| 7/21/2015         | 6:42:35          | 0.029             |
| 7/21/2015         | 6:43:35          | 0.029             |
| 7/21/2015         | 6:44:35          | 0.029             |
| 7/21/2015         | 6:45:35          | 0.028             |
| 7/21/2015         | 6:46:35          | 0.028             |
| 7/21/2015         | 6:47:35          | 0.028             |
| 7/21/2015         | 6:48:35          | 0.028             |
| 7/21/2015         | 6:49:35          | 0.027             |
| 7/21/2015         | 6:50:35          | 0.028             |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|           |         |       |
|-----------|---------|-------|
| 7/21/2015 | 6:51:35 | 0.027 |
| 7/21/2015 | 6:52:35 | 0.027 |
| 7/21/2015 | 6:53:35 | 0.027 |
| 7/21/2015 | 6:54:35 | 0.027 |
| 7/21/2015 | 6:55:35 | 0.027 |
| 7/21/2015 | 6:56:35 | 0.027 |
| 7/21/2015 | 6:57:35 | 0.028 |
| 7/21/2015 | 6:58:35 | 0.027 |
| 7/21/2015 | 6:59:35 | 0.027 |
| 7/21/2015 | 7:00:35 | 0.027 |
| 7/21/2015 | 7:01:35 | 0.028 |
| 7/21/2015 | 7:02:35 | 0.028 |
| 7/21/2015 | 7:03:35 | 0.027 |
| 7/21/2015 | 7:04:35 | 0.027 |
| 7/21/2015 | 7:05:35 | 0.027 |
| 7/21/2015 | 7:06:35 | 0.027 |
| 7/21/2015 | 7:07:35 | 0.026 |
| 7/21/2015 | 7:08:35 | 0.026 |
| 7/21/2015 | 7:09:35 | 0.026 |
| 7/21/2015 | 7:10:35 | 0.026 |
| 7/21/2015 | 7:11:35 | 0.026 |
| 7/21/2015 | 7:12:35 | 0.026 |
| 7/21/2015 | 7:13:35 | 0.025 |
| 7/21/2015 | 7:14:35 | 0.025 |
| 7/21/2015 | 7:15:35 | 0.025 |
| 7/21/2015 | 7:16:35 | 0.025 |
| 7/21/2015 | 7:17:35 | 0.025 |
| 7/21/2015 | 7:18:35 | 0.026 |
| 7/21/2015 | 7:19:35 | 0.025 |
| 7/21/2015 | 7:20:35 | 0.026 |
| 7/21/2015 | 7:21:35 | 0.026 |
| 7/21/2015 | 7:22:35 | 0.025 |
| 7/21/2015 | 7:23:35 | 0.025 |
| 7/21/2015 | 7:24:35 | 0.025 |
| 7/21/2015 | 7:25:35 | 0.025 |
| 7/21/2015 | 7:26:35 | 0.025 |
| 7/21/2015 | 7:27:35 | 0.025 |
| 7/21/2015 | 7:28:35 | 0.024 |
| 7/21/2015 | 7:29:35 | 0.024 |
| 7/21/2015 | 7:30:35 | 0.024 |
| 7/21/2015 | 7:31:35 | 0.024 |
| 7/21/2015 | 7:32:35 | 0.024 |
| 7/21/2015 | 7:33:35 | 0.023 |
| 7/21/2015 | 7:34:35 | 0.023 |
| 7/21/2015 | 7:35:35 | 0.023 |
| 7/21/2015 | 7:36:35 | 0.023 |
| 7/21/2015 | 7:37:35 | 0.023 |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|           |         |       |
|-----------|---------|-------|
| 7/21/2015 | 7:38:35 | 0.023 |
| 7/21/2015 | 7:39:35 | 0.024 |
| 7/21/2015 | 7:40:35 | 0.024 |
| 7/21/2015 | 7:41:35 | 0.024 |
| 7/21/2015 | 7:42:35 | 0.023 |
| 7/21/2015 | 7:43:35 | 0.024 |
| 7/21/2015 | 7:44:35 | 0.024 |
| 7/21/2015 | 7:45:35 | 0.024 |
| 7/21/2015 | 7:46:35 | 0.023 |
| 7/21/2015 | 7:47:35 | 0.023 |
| 7/21/2015 | 7:48:35 | 0.023 |
| 7/21/2015 | 7:49:35 | 0.022 |
| 7/21/2015 | 7:50:35 | 0.023 |
| 7/21/2015 | 7:51:35 | 0.022 |
| 7/21/2015 | 7:52:35 | 0.023 |
| 7/21/2015 | 7:53:35 | 0.023 |
| 7/21/2015 | 7:54:35 | 0.023 |
| 7/21/2015 | 7:55:35 | 0.023 |
| 7/21/2015 | 7:56:35 | 0.023 |
| 7/21/2015 | 7:57:35 | 0.022 |
| 7/21/2015 | 7:58:35 | 0.022 |
| 7/21/2015 | 7:59:35 | 0.022 |
| 7/21/2015 | 8:00:35 | 0.023 |
| 7/21/2015 | 8:01:35 | 0.022 |
| 7/21/2015 | 8:02:35 | 0.022 |
| 7/21/2015 | 8:03:35 | 0.023 |
| 7/21/2015 | 8:04:35 | 0.023 |
| 7/21/2015 | 8:05:35 | 0.023 |
| 7/21/2015 | 8:06:35 | 0.026 |
| 7/21/2015 | 8:07:35 | 0.024 |
| 7/21/2015 | 8:08:35 | 0.024 |
| 7/21/2015 | 8:09:35 | 0.024 |
| 7/21/2015 | 8:10:35 | 0.025 |
| 7/21/2015 | 8:11:35 | 0.025 |
| 7/21/2015 | 8:12:35 | 0.024 |
| 7/21/2015 | 8:13:35 | 0.024 |
| 7/21/2015 | 8:14:35 | 0.024 |
| 7/21/2015 | 8:15:35 | 0.024 |
| 7/21/2015 | 8:16:35 | 0.024 |
| 7/21/2015 | 8:17:35 | 0.024 |
| 7/21/2015 | 8:18:35 | 0.023 |
| 7/21/2015 | 8:19:35 | 0.023 |
| 7/21/2015 | 8:20:35 | 0.023 |
| 7/21/2015 | 8:21:35 | 0.023 |
| 7/21/2015 | 8:22:35 | 0.023 |
| 7/21/2015 | 8:23:35 | 0.023 |
| 7/21/2015 | 8:24:35 | 0.023 |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|           |         |       |
|-----------|---------|-------|
| 7/21/2015 | 8:25:35 | 0.023 |
| 7/21/2015 | 8:26:35 | 0.024 |
| 7/21/2015 | 8:27:35 | 0.025 |
| 7/21/2015 | 8:28:35 | 0.023 |
| 7/21/2015 | 8:29:35 | 0.024 |
| 7/21/2015 | 8:30:35 | 0.024 |
| 7/21/2015 | 8:31:35 | 0.025 |
| 7/21/2015 | 8:32:35 | 0.026 |
| 7/21/2015 | 8:33:35 | 0.025 |
| 7/21/2015 | 8:34:35 | 0.025 |
| 7/21/2015 | 8:35:35 | 0.025 |
| 7/21/2015 | 8:36:35 | 0.025 |
| 7/21/2015 | 8:37:35 | 0.025 |
| 7/21/2015 | 8:38:35 | 0.025 |
| 7/21/2015 | 8:39:35 | 0.025 |
| 7/21/2015 | 8:40:35 | 0.025 |
| 7/21/2015 | 8:41:35 | 0.025 |
| 7/21/2015 | 8:42:35 | 0.025 |
| 7/21/2015 | 8:43:35 | 0.026 |
| 7/21/2015 | 8:44:35 | 0.024 |
| 7/21/2015 | 8:45:35 | 0.024 |
| 7/21/2015 | 8:46:35 | 0.025 |
| 7/21/2015 | 8:47:35 | 0.026 |
| 7/21/2015 | 8:48:35 | 0.025 |
| 7/21/2015 | 8:49:35 | 0.026 |
| 7/21/2015 | 8:50:35 | 0.025 |
| 7/21/2015 | 8:51:35 | 0.025 |
| 7/21/2015 | 8:52:35 | 0.024 |
| 7/21/2015 | 8:53:35 | 0.024 |
| 7/21/2015 | 8:54:35 | 0.025 |
| 7/21/2015 | 8:55:35 | 0.025 |
| 7/21/2015 | 8:56:35 | 0.024 |
| 7/21/2015 | 8:57:35 | 0.024 |
| 7/21/2015 | 8:58:35 | 0.024 |
| 7/21/2015 | 8:59:35 | 0.024 |
| 7/21/2015 | 9:00:35 | 0.025 |
| 7/21/2015 | 9:01:35 | 0.024 |
| 7/21/2015 | 9:02:35 | 0.023 |
| 7/21/2015 | 9:03:35 | 0.024 |
| 7/21/2015 | 9:04:35 | 0.024 |
| 7/21/2015 | 9:05:35 | 0.025 |
| 7/21/2015 | 9:06:35 | 0.025 |
| 7/21/2015 | 9:07:35 | 0.025 |
| 7/21/2015 | 9:08:35 | 0.025 |
| 7/21/2015 | 9:09:35 | 0.024 |
| 7/21/2015 | 9:10:35 | 0.024 |
| 7/21/2015 | 9:11:35 | 0.025 |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|           |         |       |
|-----------|---------|-------|
| 7/21/2015 | 9:12:35 | 0.024 |
| 7/21/2015 | 9:13:35 | 0.024 |
| 7/21/2015 | 9:14:35 | 0.024 |
| 7/21/2015 | 9:15:35 | 0.025 |
| 7/21/2015 | 9:16:35 | 0.024 |
| 7/21/2015 | 9:17:35 | 0.024 |
| 7/21/2015 | 9:18:35 | 0.025 |
| 7/21/2015 | 9:19:35 | 0.023 |
| 7/21/2015 | 9:20:35 | 0.023 |
| 7/21/2015 | 9:21:35 | 0.023 |
| 7/21/2015 | 9:22:35 | 0.023 |
| 7/21/2015 | 9:23:35 | 0.022 |
| 7/21/2015 | 9:24:35 | 0.023 |
| 7/21/2015 | 9:25:35 | 0.023 |
| 7/21/2015 | 9:26:35 | 0.023 |
| 7/21/2015 | 9:27:35 | 0.023 |
| 7/21/2015 | 9:28:35 | 0.023 |
| 7/21/2015 | 9:29:35 | 0.022 |
| 7/21/2015 | 9:30:35 | 0.022 |
| 7/21/2015 | 9:31:35 | 0.021 |
| 7/21/2015 | 9:32:35 | 0.022 |
| 7/21/2015 | 9:33:35 | 0.022 |
| 7/21/2015 | 9:34:35 | 0.023 |
| 7/21/2015 | 9:35:35 | 0.022 |
| 7/21/2015 | 9:36:35 | 0.022 |
| 7/21/2015 | 9:37:35 | 0.021 |
| 7/21/2015 | 9:38:35 | 0.021 |
| 7/21/2015 | 9:39:35 | 0.021 |
| 7/21/2015 | 9:40:35 | 0.021 |
| 7/21/2015 | 9:41:35 | 0.021 |
| 7/21/2015 | 9:42:35 | 0.021 |
| 7/21/2015 | 9:43:35 | 0.022 |
| 7/21/2015 | 9:44:35 | 0.021 |
| 7/21/2015 | 9:45:35 | 0.02  |
| 7/21/2015 | 9:46:35 | 0.02  |
| 7/21/2015 | 9:47:35 | 0.02  |
| 7/21/2015 | 9:48:35 | 0.02  |
| 7/21/2015 | 9:49:35 | 0.02  |
| 7/21/2015 | 9:50:35 | 0.019 |
| 7/21/2015 | 9:51:35 | 0.019 |
| 7/21/2015 | 9:52:35 | 0.018 |
| 7/21/2015 | 9:53:35 | 0.019 |
| 7/21/2015 | 9:54:35 | 0.02  |
| 7/21/2015 | 9:55:35 | 0.018 |
| 7/21/2015 | 9:56:35 | 0.019 |
| 7/21/2015 | 9:57:35 | 0.018 |
| 7/21/2015 | 9:58:35 | 0.017 |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|           |          |       |
|-----------|----------|-------|
| 7/21/2015 | 9:59:35  | 0.017 |
| 7/21/2015 | 10:00:35 | 0.018 |
| 7/21/2015 | 10:01:35 | 0.018 |
| 7/21/2015 | 10:02:35 | 0.016 |
| 7/21/2015 | 10:03:35 | 0.016 |
| 7/21/2015 | 10:04:35 | 0.016 |
| 7/21/2015 | 10:05:35 | 0.016 |
| 7/21/2015 | 10:06:35 | 0.016 |
| 7/21/2015 | 10:07:35 | 0.016 |
| 7/21/2015 | 10:08:35 | 0.015 |
| 7/21/2015 | 10:09:35 | 0.015 |
| 7/21/2015 | 10:10:35 | 0.015 |
| 7/21/2015 | 10:11:35 | 0.017 |
| 7/21/2015 | 10:12:35 | 0.016 |
| 7/21/2015 | 10:13:35 | 0.016 |
| 7/21/2015 | 10:14:35 | 0.015 |
| 7/21/2015 | 10:15:35 | 0.015 |
| 7/21/2015 | 10:16:35 | 0.015 |
| 7/21/2015 | 10:17:35 | 0.015 |
| 7/21/2015 | 10:18:35 | 0.015 |
| 7/21/2015 | 10:19:35 | 0.015 |
| 7/21/2015 | 10:20:35 | 0.015 |
| 7/21/2015 | 10:21:35 | 0.015 |
| 7/21/2015 | 10:22:35 | 0.015 |
| 7/21/2015 | 10:23:35 | 0.014 |
| 7/21/2015 | 10:24:35 | 0.014 |
| 7/21/2015 | 10:25:35 | 0.014 |
| 7/21/2015 | 10:26:35 | 0.014 |
| 7/21/2015 | 10:27:35 | 0.014 |
| 7/21/2015 | 10:28:35 | 0.014 |
| 7/21/2015 | 10:29:35 | 0.014 |
| 7/21/2015 | 10:30:35 | 0.014 |
| 7/21/2015 | 10:31:35 | 0.014 |
| 7/21/2015 | 10:32:35 | 0.014 |
| 7/21/2015 | 10:33:35 | 0.014 |
| 7/21/2015 | 10:34:35 | 0.014 |
| 7/21/2015 | 10:35:35 | 0.014 |
| 7/21/2015 | 10:36:35 | 0.013 |
| 7/21/2015 | 10:37:35 | 0.013 |
| 7/21/2015 | 10:38:35 | 0.013 |
| 7/21/2015 | 10:39:35 | 0.014 |
| 7/21/2015 | 10:40:35 | 0.014 |
| 7/21/2015 | 10:41:35 | 0.013 |
| 7/21/2015 | 10:42:35 | 0.013 |
| 7/21/2015 | 10:43:35 | 0.012 |
| 7/21/2015 | 10:44:35 | 0.012 |
| 7/21/2015 | 10:45:35 | 0.012 |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|           |          |       |
|-----------|----------|-------|
| 7/21/2015 | 10:46:35 | 0.012 |
| 7/21/2015 | 10:47:35 | 0.011 |
| 7/21/2015 | 10:48:35 | 0.011 |
| 7/21/2015 | 10:49:35 | 0.011 |
| 7/21/2015 | 10:50:35 | 0.011 |
| 7/21/2015 | 10:51:35 | 0.011 |
| 7/21/2015 | 10:52:35 | 0.011 |
| 7/21/2015 | 10:53:35 | 0.011 |
| 7/21/2015 | 10:54:35 | 0.011 |
| 7/21/2015 | 10:55:35 | 0.011 |
| 7/21/2015 | 10:56:35 | 0.011 |
| 7/21/2015 | 10:57:35 | 0.011 |
| 7/21/2015 | 10:58:35 | 0.011 |
| 7/21/2015 | 10:59:35 | 0.011 |
| 7/21/2015 | 11:00:35 | 0.01  |
| 7/21/2015 | 11:01:35 | 0.01  |
| 7/21/2015 | 11:02:35 | 0.01  |
| 7/21/2015 | 11:03:35 | 0.01  |
| 7/21/2015 | 11:04:35 | 0.01  |
| 7/21/2015 | 11:05:35 | 0.011 |
| 7/21/2015 | 11:06:35 | 0.011 |
| 7/21/2015 | 11:07:35 | 0.012 |
| 7/21/2015 | 11:08:35 | 0.011 |
| 7/21/2015 | 11:09:35 | 0.011 |
| 7/21/2015 | 11:10:35 | 0.012 |
| 7/21/2015 | 11:11:35 | 0.011 |
| 7/21/2015 | 11:12:35 | 0.01  |
| 7/21/2015 | 11:13:35 | 0.01  |
| 7/21/2015 | 11:14:35 | 0.01  |
| 7/21/2015 | 11:15:35 | 0.01  |
| 7/21/2015 | 11:16:35 | 0.01  |
| 7/21/2015 | 11:17:35 | 0.011 |
| 7/21/2015 | 11:18:35 | 0.01  |
| 7/21/2015 | 11:19:35 | 0.011 |
| 7/21/2015 | 11:20:35 | 0.01  |
| 7/21/2015 | 11:21:35 | 0.01  |
| 7/21/2015 | 11:22:35 | 0.01  |
| 7/21/2015 | 11:23:35 | 0.009 |
| 7/21/2015 | 11:24:35 | 0.01  |
| 7/21/2015 | 11:25:35 | 0.009 |
| 7/21/2015 | 11:26:35 | 0.009 |
| 7/21/2015 | 11:27:35 | 0.009 |
| 7/21/2015 | 11:28:35 | 0.009 |
| 7/21/2015 | 11:29:35 | 0.008 |
| 7/21/2015 | 11:30:35 | 0.008 |
| 7/21/2015 | 11:31:35 | 0.008 |
| 7/21/2015 | 11:32:35 | 0.008 |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|           |          |       |
|-----------|----------|-------|
| 7/21/2015 | 11:33:35 | 0.008 |
| 7/21/2015 | 11:34:35 | 0.008 |
| 7/21/2015 | 11:35:35 | 0.007 |
| 7/21/2015 | 11:36:35 | 0.008 |
| 7/21/2015 | 11:37:35 | 0.008 |
| 7/21/2015 | 11:38:35 | 0.007 |
| 7/21/2015 | 11:39:35 | 0.009 |
| 7/21/2015 | 11:40:35 | 0.008 |
| 7/21/2015 | 11:41:35 | 0.008 |
| 7/21/2015 | 11:42:35 | 0.008 |
| 7/21/2015 | 11:43:35 | 0.008 |
| 7/21/2015 | 11:44:35 | 0.008 |
| 7/21/2015 | 11:45:35 | 0.007 |
| 7/21/2015 | 11:46:35 | 0.008 |
| 7/21/2015 | 11:47:35 | 0.008 |
| 7/21/2015 | 11:48:35 | 0.008 |
| 7/21/2015 | 11:49:35 | 0.008 |
| 7/21/2015 | 11:50:35 | 0.008 |
| 7/21/2015 | 11:51:35 | 0.008 |
| 7/21/2015 | 11:52:35 | 0.008 |
| 7/21/2015 | 11:53:35 | 0.008 |
| 7/21/2015 | 11:54:35 | 0.008 |
| 7/21/2015 | 11:55:35 | 0.008 |
| 7/21/2015 | 11:56:35 | 0.008 |
| 7/21/2015 | 11:57:35 | 0.009 |
| 7/21/2015 | 11:58:35 | 0.008 |
| 7/21/2015 | 11:59:35 | 0.008 |
| 7/21/2015 | 12:00:35 | 0.008 |
| 7/21/2015 | 12:01:35 | 0.008 |
| 7/21/2015 | 12:02:35 | 0.008 |
| 7/21/2015 | 12:03:35 | 0.008 |
| 7/21/2015 | 12:04:35 | 0.008 |
| 7/21/2015 | 12:05:35 | 0.009 |
| 7/21/2015 | 12:06:35 | 0.008 |
| 7/21/2015 | 12:07:35 | 0.008 |
| 7/21/2015 | 12:08:35 | 0.008 |
| 7/21/2015 | 12:09:35 | 0.008 |
| 7/21/2015 | 12:10:35 | 0.008 |
| 7/21/2015 | 12:11:35 | 0.008 |
| 7/21/2015 | 12:12:35 | 0.008 |
| 7/21/2015 | 12:13:35 | 0.009 |
| 7/21/2015 | 12:14:35 | 0.008 |
| 7/21/2015 | 12:15:35 | 0.008 |
| 7/21/2015 | 12:16:35 | 0.008 |
| 7/21/2015 | 12:17:35 | 0.008 |
| 7/21/2015 | 12:18:35 | 0.008 |
| 7/21/2015 | 12:19:35 | 0.008 |



City of Rochester  
Orchard-Whitney SSI CAMP Data

|           |          |       |
|-----------|----------|-------|
| 7/21/2015 | 12:20:35 | 0.007 |
| 7/21/2015 | 12:21:35 | 0.008 |
| 7/21/2015 | 12:22:35 | 0.008 |
| 7/21/2015 | 12:23:35 | 0.009 |
| 7/21/2015 | 12:24:35 | 0.009 |
| 7/21/2015 | 12:25:35 | 0.008 |
| 7/21/2015 | 12:26:35 | 0.007 |
| 7/21/2015 | 12:27:35 | 0.007 |
| 7/21/2015 | 12:28:35 | 0.007 |
| 7/21/2015 | 12:29:35 | 0.006 |
| 7/21/2015 | 12:30:35 | 0.007 |
| 7/21/2015 | 12:31:35 | 0.007 |
| 7/21/2015 | 12:32:35 | 0.007 |
| 7/21/2015 | 12:33:35 | 0.006 |
| 7/21/2015 | 12:34:35 | 0.006 |
| 7/21/2015 | 12:35:35 | 0.006 |
| 7/21/2015 | 12:36:35 | 0.006 |
| 7/21/2015 | 12:37:35 | 0.006 |
| 7/21/2015 | 12:38:35 | 0.006 |
| 7/21/2015 | 12:39:35 | 0.007 |
| 7/21/2015 | 12:40:35 | 0.007 |
| 7/21/2015 | 12:41:35 | 0.007 |
| 7/21/2015 | 12:42:35 | 0.007 |
| 7/21/2015 | 12:43:35 | 0.007 |
| 7/21/2015 | 12:44:35 | 0.005 |
| 7/21/2015 | 12:45:35 | 0.006 |
| 7/21/2015 | 12:46:35 | 0.005 |
| 7/21/2015 | 12:47:35 | 0.005 |
| 7/21/2015 | 12:48:35 | 0.006 |
| 7/21/2015 | 12:49:35 | 0.006 |
| 7/21/2015 | 12:50:35 | 0.006 |
| 7/21/2015 | 12:51:35 | 0.006 |
| 7/21/2015 | 12:52:35 | 0.007 |
| 7/21/2015 | 12:53:35 | 0.007 |
| 7/21/2015 | 12:54:35 | 0.006 |
| 7/21/2015 | 12:55:35 | 0.006 |
| 7/21/2015 | 12:56:35 | 0.006 |
| 7/21/2015 | 12:57:35 | 0.009 |
| 7/21/2015 | 12:58:35 | 0.008 |
| 7/21/2015 | 12:59:35 | 0.008 |
| 7/21/2015 | 13:00:35 | 0.006 |
| 7/21/2015 | 13:01:35 | 0.007 |
| 7/21/2015 | 13:02:35 | 0.006 |
| 7/21/2015 | 13:03:35 | 0.006 |
| 7/21/2015 | 13:04:35 | 0.006 |
| 7/21/2015 | 13:05:35 | 0.006 |
| 7/21/2015 | 13:06:35 | 0.006 |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|                         |                  |           |
|-------------------------|------------------|-----------|
| 7/21/2015               | 13:07:35         | 0.006     |
| 7/21/2015               | 13:08:35         | 0.005     |
| 7/21/2015               | 13:09:35         | 0.005     |
| 7/21/2015               | 13:10:35         | 0.006     |
| 7/21/2015               | 13:11:35         | 0.006     |
| 7/21/2015               | 13:12:35         | 0.007     |
| 7/21/2015               | 13:13:35         | 0.008     |
| 7/21/2015               | 13:14:35         | 0.008     |
| 7/21/2015               | 13:15:35         | 0.006     |
| 7/21/2015               | 13:16:35         | 0.006     |
| 7/21/2015               | 13:17:35         | 0.007     |
| 7/21/2015               | 13:18:35         | 0.007     |
| 7/21/2015               | 13:19:35         | 0.006     |
| 7/21/2015               | 13:20:35         | 0.006     |
| 7/21/2015               | 13:21:35         | 0.006     |
| 7/21/2015               | 13:22:35         | 0.005     |
| 7/21/2015               | 13:23:35         | 0.005     |
| 7/21/2015               | 13:24:35         | 0.005     |
| 7/21/2015               | 13:25:35         | 0.004     |
| 7/21/2015               | 13:26:35         | 0.004     |
| 7/21/2015               | 13:27:35         | 0.004     |
| 7/21/2015               | 13:28:35         | 0.004     |
|                         |                  |           |
| Model:                  | DustTrak II      |           |
| Model Number:           | 8530             |           |
| Serial Number:          | 8530143404       |           |
| Test ID:                | 3                |           |
| Test Abbreviation:      | MANUAL_003       |           |
| Start Date:             | 7/22/2015        |           |
| Start Time:             | 7:15:57          |           |
| Duration (dd:hh:mm:ss): | 0:03:18:00       |           |
| Log Interval (mm:ss):   | 1:00             |           |
| Number of points:       | 198              |           |
| Notes:                  |                  |           |
|                         |                  |           |
| Statistics              | Channel:         | AEROSOL   |
|                         | Units:           | mg/m^3    |
|                         | Average:         | 0.008     |
|                         | Minimum:         | 0.005     |
|                         | Time of Minimum: | 9:18:57   |
|                         | Date of Minimum: | 7/22/2015 |
|                         | Maximum:         | 0.115     |
|                         | Time of Maximum: | 7:16:57   |
|                         | Date of Maximum: | 7/22/2015 |
|                         |                  |           |
| Calibration             | Sensor:          | AEROSOL   |
|                         | Cal. date        | 5/8/2015  |

City of Rochester  
Orchard-Whitney SSI CAMP Data

| Date       | Time     | AEROSOL           |
|------------|----------|-------------------|
| MM/dd/yyyy | hh:mm:ss | mg/m <sup>3</sup> |
| 7/22/2015  | 7:16:57  | 0.115             |
| 7/22/2015  | 7:17:57  | 0.011             |
| 7/22/2015  | 7:18:57  | 0.012             |
| 7/22/2015  | 7:19:57  | 0.012             |
| 7/22/2015  | 7:20:57  | 0.012             |
| 7/22/2015  | 7:21:57  | 0.013             |
| 7/22/2015  | 7:22:57  | 0.012             |
| 7/22/2015  | 7:23:57  | 0.012             |
| 7/22/2015  | 7:24:57  | 0.012             |
| 7/22/2015  | 7:25:57  | 0.013             |
| 7/22/2015  | 7:26:57  | 0.012             |
| 7/22/2015  | 7:27:57  | 0.012             |
| 7/22/2015  | 7:28:57  | 0.012             |
| 7/22/2015  | 7:29:57  | 0.012             |
| 7/22/2015  | 7:30:57  | 0.012             |
| 7/22/2015  | 7:31:57  | 0.012             |
| 7/22/2015  | 7:32:57  | 0.011             |
| 7/22/2015  | 7:33:57  | 0.012             |
| 7/22/2015  | 7:34:57  | 0.012             |
| 7/22/2015  | 7:35:57  | 0.011             |
| 7/22/2015  | 7:36:57  | 0.011             |
| 7/22/2015  | 7:37:57  | 0.011             |
| 7/22/2015  | 7:38:57  | 0.01              |
| 7/22/2015  | 7:39:57  | 0.01              |
| 7/22/2015  | 7:40:57  | 0.01              |
| 7/22/2015  | 7:41:57  | 0.01              |
| 7/22/2015  | 7:42:57  | 0.011             |
| 7/22/2015  | 7:43:57  | 0.01              |
| 7/22/2015  | 7:44:57  | 0.01              |
| 7/22/2015  | 7:45:57  | 0.01              |
| 7/22/2015  | 7:46:57  | 0.01              |
| 7/22/2015  | 7:47:57  | 0.009             |
| 7/22/2015  | 7:48:57  | 0.009             |
| 7/22/2015  | 7:49:57  | 0.009             |
| 7/22/2015  | 7:50:57  | 0.011             |
| 7/22/2015  | 7:51:57  | 0.01              |
| 7/22/2015  | 7:52:57  | 0.01              |
| 7/22/2015  | 7:53:57  | 0.009             |
| 7/22/2015  | 7:54:57  | 0.009             |
| 7/22/2015  | 7:55:57  | 0.01              |
| 7/22/2015  | 7:56:57  | 0.009             |
| 7/22/2015  | 7:57:57  | 0.009             |
| 7/22/2015  | 7:58:57  | 0.011             |
| 7/22/2015  | 7:59:57  | 0.01              |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|           |         |       |
|-----------|---------|-------|
| 7/22/2015 | 8:00:57 | 0.009 |
| 7/22/2015 | 8:01:57 | 0.008 |
| 7/22/2015 | 8:02:57 | 0.008 |
| 7/22/2015 | 8:03:57 | 0.008 |
| 7/22/2015 | 8:04:57 | 0.008 |
| 7/22/2015 | 8:05:57 | 0.008 |
| 7/22/2015 | 8:06:57 | 0.008 |
| 7/22/2015 | 8:07:57 | 0.008 |
| 7/22/2015 | 8:08:57 | 0.007 |
| 7/22/2015 | 8:09:57 | 0.007 |
| 7/22/2015 | 8:10:57 | 0.007 |
| 7/22/2015 | 8:11:57 | 0.007 |
| 7/22/2015 | 8:12:57 | 0.008 |
| 7/22/2015 | 8:13:57 | 0.008 |
| 7/22/2015 | 8:14:57 | 0.008 |
| 7/22/2015 | 8:15:57 | 0.008 |
| 7/22/2015 | 8:16:57 | 0.008 |
| 7/22/2015 | 8:17:57 | 0.008 |
| 7/22/2015 | 8:18:57 | 0.007 |
| 7/22/2015 | 8:19:57 | 0.008 |
| 7/22/2015 | 8:20:57 | 0.007 |
| 7/22/2015 | 8:21:57 | 0.007 |
| 7/22/2015 | 8:22:57 | 0.008 |
| 7/22/2015 | 8:23:57 | 0.007 |
| 7/22/2015 | 8:24:57 | 0.007 |
| 7/22/2015 | 8:25:57 | 0.007 |
| 7/22/2015 | 8:26:57 | 0.007 |
| 7/22/2015 | 8:27:57 | 0.007 |
| 7/22/2015 | 8:28:57 | 0.007 |
| 7/22/2015 | 8:29:57 | 0.007 |
| 7/22/2015 | 8:30:57 | 0.007 |
| 7/22/2015 | 8:31:57 | 0.007 |
| 7/22/2015 | 8:32:57 | 0.007 |
| 7/22/2015 | 8:33:57 | 0.007 |
| 7/22/2015 | 8:34:57 | 0.007 |
| 7/22/2015 | 8:35:57 | 0.006 |
| 7/22/2015 | 8:36:57 | 0.007 |
| 7/22/2015 | 8:37:57 | 0.008 |
| 7/22/2015 | 8:38:57 | 0.007 |
| 7/22/2015 | 8:39:57 | 0.007 |
| 7/22/2015 | 8:40:57 | 0.007 |
| 7/22/2015 | 8:41:57 | 0.009 |
| 7/22/2015 | 8:42:57 | 0.007 |
| 7/22/2015 | 8:43:57 | 0.007 |
| 7/22/2015 | 8:44:57 | 0.007 |
| 7/22/2015 | 8:45:57 | 0.007 |
| 7/22/2015 | 8:46:57 | 0.007 |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|           |         |       |
|-----------|---------|-------|
| 7/22/2015 | 8:47:57 | 0.007 |
| 7/22/2015 | 8:48:57 | 0.006 |
| 7/22/2015 | 8:49:57 | 0.007 |
| 7/22/2015 | 8:50:57 | 0.007 |
| 7/22/2015 | 8:51:57 | 0.007 |
| 7/22/2015 | 8:52:57 | 0.007 |
| 7/22/2015 | 8:53:57 | 0.007 |
| 7/22/2015 | 8:54:57 | 0.006 |
| 7/22/2015 | 8:55:57 | 0.006 |
| 7/22/2015 | 8:56:57 | 0.006 |
| 7/22/2015 | 8:57:57 | 0.006 |
| 7/22/2015 | 8:58:57 | 0.006 |
| 7/22/2015 | 8:59:57 | 0.006 |
| 7/22/2015 | 9:00:57 | 0.007 |
| 7/22/2015 | 9:01:57 | 0.007 |
| 7/22/2015 | 9:02:57 | 0.006 |
| 7/22/2015 | 9:03:57 | 0.006 |
| 7/22/2015 | 9:04:57 | 0.007 |
| 7/22/2015 | 9:05:57 | 0.006 |
| 7/22/2015 | 9:06:57 | 0.006 |
| 7/22/2015 | 9:07:57 | 0.006 |
| 7/22/2015 | 9:08:57 | 0.006 |
| 7/22/2015 | 9:09:57 | 0.008 |
| 7/22/2015 | 9:10:57 | 0.007 |
| 7/22/2015 | 9:11:57 | 0.007 |
| 7/22/2015 | 9:12:57 | 0.009 |
| 7/22/2015 | 9:13:57 | 0.006 |
| 7/22/2015 | 9:14:57 | 0.006 |
| 7/22/2015 | 9:15:57 | 0.006 |
| 7/22/2015 | 9:16:57 | 0.006 |
| 7/22/2015 | 9:17:57 | 0.006 |
| 7/22/2015 | 9:18:57 | 0.005 |
| 7/22/2015 | 9:19:57 | 0.006 |
| 7/22/2015 | 9:20:57 | 0.006 |
| 7/22/2015 | 9:21:57 | 0.006 |
| 7/22/2015 | 9:22:57 | 0.006 |
| 7/22/2015 | 9:23:57 | 0.006 |
| 7/22/2015 | 9:24:57 | 0.006 |
| 7/22/2015 | 9:25:57 | 0.006 |
| 7/22/2015 | 9:26:57 | 0.007 |
| 7/22/2015 | 9:27:57 | 0.007 |
| 7/22/2015 | 9:28:57 | 0.006 |
| 7/22/2015 | 9:29:57 | 0.006 |
| 7/22/2015 | 9:30:57 | 0.006 |
| 7/22/2015 | 9:31:57 | 0.006 |
| 7/22/2015 | 9:32:57 | 0.006 |
| 7/22/2015 | 9:33:57 | 0.006 |

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|           |          |       |
|-----------|----------|-------|
| 7/22/2015 | 9:34:57  | 0.007 |
| 7/22/2015 | 9:35:57  | 0.006 |
| 7/22/2015 | 9:36:57  | 0.006 |
| 7/22/2015 | 9:37:57  | 0.006 |
| 7/22/2015 | 9:38:57  | 0.006 |
| 7/22/2015 | 9:39:57  | 0.006 |
| 7/22/2015 | 9:40:57  | 0.006 |
| 7/22/2015 | 9:41:57  | 0.005 |
| 7/22/2015 | 9:42:57  | 0.006 |
| 7/22/2015 | 9:43:57  | 0.006 |
| 7/22/2015 | 9:44:57  | 0.005 |
| 7/22/2015 | 9:45:57  | 0.006 |
| 7/22/2015 | 9:46:57  | 0.006 |
| 7/22/2015 | 9:47:57  | 0.006 |
| 7/22/2015 | 9:48:57  | 0.006 |
| 7/22/2015 | 9:49:57  | 0.007 |
| 7/22/2015 | 9:50:57  | 0.006 |
| 7/22/2015 | 9:51:57  | 0.006 |
| 7/22/2015 | 9:52:57  | 0.006 |
| 7/22/2015 | 9:53:57  | 0.006 |
| 7/22/2015 | 9:54:57  | 0.006 |
| 7/22/2015 | 9:55:57  | 0.005 |
| 7/22/2015 | 9:56:57  | 0.006 |
| 7/22/2015 | 9:57:57  | 0.006 |
| 7/22/2015 | 9:58:57  | 0.006 |
| 7/22/2015 | 9:59:57  | 0.006 |
| 7/22/2015 | 10:00:57 | 0.006 |
| 7/22/2015 | 10:01:57 | 0.006 |
| 7/22/2015 | 10:02:57 | 0.006 |
| 7/22/2015 | 10:03:57 | 0.007 |
| 7/22/2015 | 10:04:57 | 0.006 |
| 7/22/2015 | 10:05:57 | 0.006 |
| 7/22/2015 | 10:06:57 | 0.007 |
| 7/22/2015 | 10:07:57 | 0.006 |
| 7/22/2015 | 10:08:57 | 0.006 |
| 7/22/2015 | 10:09:57 | 0.006 |
| 7/22/2015 | 10:10:57 | 0.006 |
| 7/22/2015 | 10:11:57 | 0.006 |
| 7/22/2015 | 10:12:57 | 0.006 |
| 7/22/2015 | 10:13:57 | 0.006 |
| 7/22/2015 | 10:14:57 | 0.007 |
| 7/22/2015 | 10:15:57 | 0.006 |
| 7/22/2015 | 10:16:57 | 0.006 |
| 7/22/2015 | 10:17:57 | 0.006 |
| 7/22/2015 | 10:18:57 | 0.006 |
| 7/22/2015 | 10:19:57 | 0.006 |
| 7/22/2015 | 10:20:57 | 0.006 |

City of Rochester  
Orchard-Whitney SSI CAMP Data

|                         |                  |                   |
|-------------------------|------------------|-------------------|
| 7/22/2015               | 10:21:57         | 0.006             |
| 7/22/2015               | 10:22:57         | 0.006             |
| 7/22/2015               | 10:23:57         | 0.007             |
| 7/22/2015               | 10:24:57         | 0.006             |
| 7/22/2015               | 10:25:57         | 0.006             |
| 7/22/2015               | 10:26:57         | 0.006             |
| 7/22/2015               | 10:27:57         | 0.006             |
| 7/22/2015               | 10:28:57         | 0.006             |
| 7/22/2015               | 10:29:57         | 0.006             |
| 7/22/2015               | 10:30:57         | 0.006             |
| 7/22/2015               | 10:31:57         | 0.007             |
| 7/22/2015               | 10:32:57         | 0.007             |
| 7/22/2015               | 10:33:57         | 0.006             |
|                         |                  |                   |
| Model:                  | DustTrak II      |                   |
| Model Number:           | 8530             |                   |
| Serial Number:          | 8530143404       |                   |
| Test ID:                | 4                |                   |
| Test Abbreviation:      | MANUAL_004       |                   |
| Start Date:             | 7/22/2015        |                   |
| Start Time:             | 16:09:27         |                   |
| Duration (dd:hh:mm:ss): | 0:00:01:00       |                   |
| Number of points:       | 1                |                   |
| Notes:                  |                  |                   |
|                         |                  |                   |
| Statistics              | Channel:         | AEROSOL           |
|                         | Units:           | mg/m <sup>3</sup> |
|                         | Average:         | 0.007             |
|                         | Minimum:         | 0.007             |
|                         | Time of Minimum: | 16:10:27          |
|                         | Date of Minimum: | 7/22/2015         |
|                         | Maximum:         | 0.007             |
|                         | Time of Maximum: | 16:10:27          |
|                         | Date of Maximum: | 7/22/2015         |
|                         |                  |                   |
| Calibration             | Sensor:          | AEROSOL           |
|                         | Cal. date        | 5/8/2015          |
|                         |                  |                   |
| Date                    | Time             | AEROSOL           |
| MM/dd/yyyy              | hh:mm:ss         | mg/m <sup>3</sup> |
| 7/22/2015               | 16:10:27         | 0.007             |

City of Rochester  
Orchard-Whitney CAMP Data

|                      |              |        |        |
|----------------------|--------------|--------|--------|
| Instrument Name      | DustTrak II  |        |        |
| Model Number         | 8530         |        |        |
| Serial Number        | 8530113802   |        |        |
| Firmware Version     | 3            |        |        |
| Calibration Date     | 1/28/2013    |        |        |
| Test Name            | MANUAL_001   |        |        |
| Test Start Time      | 7:20:46 AM   |        |        |
| Test Start Date      | 8/13/2015    |        |        |
| Test Length [D:H:M]  | 0:07:45      |        |        |
| Test Interval [M:S]  | 15:00        |        |        |
| Mass Average [mg/m3] | 0.007        |        |        |
| Mass Minimum [mg/m3] | -0.008       |        |        |
| Mass Maximum [mg/m3] | 0.034        |        |        |
| Mass TWA [mg/m3]     | 0.007        |        |        |
| Photometric User Cal | 1            |        |        |
| Flow User Cal        | 0            |        |        |
| Errors               |              |        |        |
| Number of Samples    | 31           |        |        |
|                      |              |        |        |
| Elapsed Time [s]     | Mass [mg/m3] | Alarms | Errors |
| 900                  | 0.034        |        |        |
| 1800                 | 0.025        |        |        |
| 2700                 | 0.022        |        |        |
| 3600                 | 0.021        |        |        |
| 4500                 | 0.021        |        |        |
| 5400                 | 0.02         |        |        |
| 6300                 | 0.02         |        |        |
| 7200                 | 0.018        |        |        |
| 8100                 | 0.015        |        |        |
| 9000                 | 0.014        |        |        |
| 9900                 | 0.015        |        |        |
| 10800                | 0.012        |        |        |
| 11700                | 0.008        |        |        |
| 12600                | 0.005        |        |        |
| 13500                | 0.002        |        |        |
| 14400                | 0.001        |        |        |
| 15300                | 0            |        |        |
| 16200                | -0.001       |        |        |
| 17100                | 0.001        |        |        |
| 18000                | -0.001       |        |        |
| 18900                | -0.001       |        |        |
| 19800                | -0.001       |        |        |
| 20700                | -0.005       |        |        |
| 21600                | -0.004       |        |        |
| 22500                | -0.006       |        |        |
| 23400                | -0.006       |        |        |
| 24300                | 0.007        |        |        |
| 25200                | -0.004       |        |        |
| 26100                | 0.002        |        |        |
| 27000                | -0.006       |        |        |
| 27900                | -0.008       |        |        |



City of Rochester  
Orchard-Whitney CAMP Data

|                      |              |        |        |
|----------------------|--------------|--------|--------|
| Instrument Name      | DustTrak II  |        |        |
| Model Number         | 8530         |        |        |
| Serial Number        | 8530113802   |        |        |
| Firmware Version     | 3            |        |        |
| Calibration Date     | 1/28/2013    |        |        |
| Test Name            | MANUAL_002   |        |        |
| Test Start Time      | 8:00:15 AM   |        |        |
| Test Start Date      | 10/5/2015    |        |        |
| Test Length [D:H:M]  | 0:22:48      |        |        |
| Test Interval [M:S]  | 15:00        |        |        |
| Mass Average [mg/m3] | 0            |        |        |
| Mass Minimum [mg/m3] | -0.011       |        |        |
| Mass Maximum [mg/m3] | 0.028        |        |        |
| Mass TWA [mg/m3]     | 0            |        |        |
| Photometric User Cal | 1            |        |        |
| Flow User Cal        | 0            |        |        |
| Errors               |              |        |        |
| Number of Samples    | 28           |        |        |
|                      |              |        |        |
| Elapsed Time [s]     | Mass [mg/m3] | Alarms | Errors |
| 900                  | 0.028        |        |        |
| 1800                 | 0.025        |        |        |
| 2700                 | 0.014        |        |        |
| 3600                 | 0.01         |        |        |
| 4500                 | 0.01         |        |        |
| 5400                 | 0.003        |        |        |
| 6300                 | 0            |        |        |
| 7200                 | 0.02         |        |        |
| 8100                 | 0.017        |        |        |
| 9000                 | 0.001        |        |        |
| 9900                 | -0.009       |        |        |
| 10800                | -0.01        |        |        |
| 11700                | -0.011       |        |        |
| 12600                | -0.01        |        |        |
| 13500                | -0.01        |        |        |
| 14400                | 0.014        |        |        |
| 15300                | -0.009       |        |        |
| 16200                | -0.011       |        |        |
| 17100                | -0.011       |        |        |
| 18000                | -0.01        |        |        |
| 18900                | -0.009       |        |        |
| 19800                | -0.008       |        |        |
| 20700                | -0.009       |        |        |
| 21600                | -0.008       |        |        |
| 22500                | -0.005       |        |        |
| 23400                | -0.006       |        |        |
| 24300                | -0.005       |        |        |
| 82095                | 0            |        |        |
|                      |              |        |        |
|                      |              |        |        |
|                      |              |        |        |

City of Rochester  
Orchard-Whitney CAMP Data

|                      |              |        |        |
|----------------------|--------------|--------|--------|
| Instrument Name      | DustTrak II  |        |        |
| Model Number         | 8530         |        |        |
| Serial Number        | 8530113802   |        |        |
| Firmware Version     | 3            |        |        |
| Calibration Date     | 1/28/2013    |        |        |
| Test Name            | MANUAL_003   |        |        |
| Test Start Time      | 8:07:13 AM   |        |        |
| Test Start Date      | 10/6/2015    |        |        |
| Test Length [D:H:M]  | 0:10:43      |        |        |
| Test Interval [M:S]  | 15:00        |        |        |
| Mass Average [mg/m3] | 0.029        |        |        |
| Mass Minimum [mg/m3] | 0            |        |        |
| Mass Maximum [mg/m3] | 0.068        |        |        |
| Mass TWA [mg/m3]     | 0.027        |        |        |
| Photometric User Cal | 1            |        |        |
| Flow User Cal        | 0            |        |        |
| Errors               |              |        |        |
| Number of Samples    | 31           |        |        |
|                      |              |        |        |
| Elapsed Time [s]     | Mass [mg/m3] | Alarms | Errors |
| 900                  | 0.052        |        |        |
| 1800                 | 0.049        |        |        |
| 2700                 | 0.056        |        |        |
| 3600                 | 0.068        |        |        |
| 4500                 | 0.045        |        |        |
| 5400                 | 0.034        |        |        |
| 6300                 | 0.032        |        |        |
| 7200                 | 0.033        |        |        |
| 8100                 | 0.027        |        |        |
| 9000                 | 0.028        |        |        |
| 9900                 | 0.025        |        |        |
| 10800                | 0.019        |        |        |
| 11700                | 0.019        |        |        |
| 12600                | 0.026        |        |        |
| 13500                | 0.019        |        |        |
| 14400                | 0.025        |        |        |
| 15300                | 0.024        |        |        |
| 16200                | 0.011        |        |        |
| 17100                | 0.009        |        |        |
| 18000                | 0.008        |        |        |
| 18900                | 0.014        |        |        |
| 19800                | 0.044        |        |        |
| 20700                | 0.033        |        |        |
| 21600                | 0.022        |        |        |
| 22500                | 0.033        |        |        |
| 23400                | 0.061        |        |        |
| 24300                | 0.022        |        |        |
| 25200                | 0.02         |        |        |
| 26100                | 0.02         |        |        |
| 27000                | 0.019        |        |        |
| 38627                | 0            |        |        |

City of Rochester  
Orchard-Whitney CAMP Data

|                      |              |        |        |
|----------------------|--------------|--------|--------|
| Instrument Name      | DustTrak II  |        |        |
| Model Number         | 8530         |        |        |
| Serial Number        | 8530113802   |        |        |
| Firmware Version     | 3            |        |        |
| Calibration Date     | 1/28/2013    |        |        |
| Test Name            | MANUAL_004   |        |        |
| Test Start Time      | 7:19:21 AM   |        |        |
| Test Start Date      | 10/7/2015    |        |        |
| Test Length [D:H:M]  | 0:07:30      |        |        |
| Test Interval [M:S]  | 15:00        |        |        |
| Mass Average [mg/m3] | 0.057        |        |        |
| Mass Minimum [mg/m3] | 0            |        |        |
| Mass Maximum [mg/m3] | 0.243        |        |        |
| Mass TWA [mg/m3]     | 0.053        |        |        |
| Photometric User Cal | 1            |        |        |
| Flow User Cal        | 0            |        |        |
| Errors               |              |        |        |
| Number of Samples    | 30           |        |        |
|                      |              |        |        |
| Elapsed Time [s]     | Mass [mg/m3] | Alarms | Errors |
| 900                  | 0.1          |        |        |
| 1800                 | 0.243        |        |        |
| 2700                 | 0.184        |        |        |
| 3600                 | 0.096        |        |        |
| 4500                 | 0.129        |        |        |
| 5400                 | 0.065        |        |        |
| 6300                 | 0.054        |        |        |
| 7200                 | 0.052        |        |        |
| 8100                 | 0.072        |        |        |
| 9000                 | 0.086        |        |        |
| 9900                 | 0.065        |        |        |
| 10800                | 0.065        |        |        |
| 11700                | 0.096        |        |        |
| 12600                | 0.1          |        |        |
| 13500                | 0.057        |        |        |
| 14400                | 0.038        |        |        |
| 15300                | 0.035        |        |        |
| 16200                | 0.02         |        |        |
| 17100                | 0.015        |        |        |
| 18000                | 0.006        |        |        |
| 18900                | 0.004        |        |        |
| 19800                | 0            |        |        |
| 20700                | 0.008        |        |        |
| 21600                | 0.01         |        |        |
| 22500                | 0.013        |        |        |
| 23400                | 0.013        |        |        |
| 24300                | 0.029        |        |        |
| 25200                | 0.011        |        |        |
| 26100                | 0.025        |        |        |
| 27000                | 0.02         |        |        |
|                      |              |        |        |





City of Rochester  
Orchard-Whitney CAMP Data

|                      |              |        |        |
|----------------------|--------------|--------|--------|
| Instrument Name      | DustTrak II  |        |        |
| Model Number         | 8530         |        |        |
| Serial Number        | 8530113802   |        |        |
| Firmware Version     | 3            |        |        |
| Calibration Date     | 1/28/2013    |        |        |
| Test Name            | MANUAL_007   |        |        |
| Test Start Time      | 6:50:18 AM   |        |        |
| Test Start Date      | 10/12/2015   |        |        |
| Test Length [D:H:M]  | 0:07:45      |        |        |
| Test Interval [M:S]  | 15:00        |        |        |
| Mass Average [mg/m3] | 0.009        |        |        |
| Mass Minimum [mg/m3] | -0.005       |        |        |
| Mass Maximum [mg/m3] | 0.028        |        |        |
| Mass TWA [mg/m3]     | 0.008        |        |        |
| Photometric User Cal | 1            |        |        |
| Flow User Cal        | 0            |        |        |
| Errors               |              |        |        |
| Number of Samples    | 31           |        |        |
|                      |              |        |        |
| Elapsed Time [s]     | Mass [mg/m3] | Alarms | Errors |
| 900                  | 0.028        |        |        |
| 1800                 | 0.026        |        |        |
| 2700                 | 0.025        |        |        |
| 3600                 | 0.025        |        |        |
| 4500                 | 0.022        |        |        |
| 5400                 | 0.018        |        |        |
| 6300                 | 0.017        |        |        |
| 7200                 | 0.019        |        |        |
| 8100                 | 0.018        |        |        |
| 9000                 | 0.012        |        |        |
| 9900                 | 0.01         |        |        |
| 10800                | 0.011        |        |        |
| 11700                | 0.009        |        |        |
| 12600                | 0.008        |        |        |
| 13500                | 0.008        |        |        |
| 14400                | 0.002        |        |        |
| 15300                | 0.007        |        |        |
| 16200                | 0.001        |        |        |
| 17100                | 0.002        |        |        |
| 18000                | 0.004        |        |        |
| 18900                | 0.001        |        |        |
| 19800                | 0.001        |        |        |
| 20700                | -0.001       |        |        |
| 21600                | -0.004       |        |        |
| 22500                | -0.005       |        |        |
| 23400                | -0.001       |        |        |
| 24300                | -0.002       |        |        |
| 25200                | 0.007        |        |        |
| 26100                | 0            |        |        |
| 27000                | 0.003        |        |        |
| 27900                | -0.004       |        |        |









City of Rochester  
Orchard-Whitney CAMP Data

|                      |              |        |        |
|----------------------|--------------|--------|--------|
| Instrument Name      | DustTrak II  |        |        |
| Model Number         | 8530         |        |        |
| Serial Number        | 8530120703   |        |        |
| Firmware Version     | 2.1          |        |        |
| Calibration Date     | 8/25/2012    |        |        |
| Test Name            | MANUAL_001   |        |        |
| Test Start Time      | 7:19:06 AM   |        |        |
| Test Start Date      | 8/13/2015    |        |        |
| Test Length [D:H:M]  | 0:07:45      |        |        |
| Test Interval [M:S]  | 15:00        |        |        |
| Mass Average [mg/m3] | 0.009        |        |        |
| Mass Minimum [mg/m3] | 0.004        |        |        |
| Mass Maximum [mg/m3] | 0.025        |        |        |
| Mass TWA [mg/m3]     | 0.009        |        |        |
| Photometric User Cal | 1            |        |        |
| Flow User Cal        | 1            |        |        |
| Errors               |              |        |        |
| Number of Samples    | 31           |        |        |
|                      |              |        |        |
| Elapsed Time [s]     | Mass [mg/m3] | Alarms | Errors |
| 900                  | 0.025        |        |        |
| 1800                 | 0.013        |        |        |
| 2700                 | 0.013        |        |        |
| 3600                 | 0.012        |        |        |
| 4500                 | 0.011        |        |        |
| 5400                 | 0.01         |        |        |
| 6300                 | 0.01         |        |        |
| 7200                 | 0.01         |        |        |
| 8100                 | 0.009        |        |        |
| 9000                 | 0.008        |        |        |
| 9900                 | 0.008        |        |        |
| 10800                | 0.008        |        |        |
| 11700                | 0.007        |        |        |
| 12600                | 0.007        |        |        |
| 13500                | 0.007        |        |        |
| 14400                | 0.007        |        |        |
| 15300                | 0.01         |        |        |
| 16200                | 0.007        |        |        |
| 17100                | 0.008        |        |        |
| 18000                | 0.007        |        |        |
| 18900                | 0.007        |        |        |
| 19800                | 0.007        |        |        |
| 20700                | 0.007        |        |        |
| 21600                | 0.007        |        |        |
| 22500                | 0.008        |        |        |
| 23400                | 0.007        |        |        |
| 24300                | 0.01         |        |        |
| 25200                | 0.006        |        |        |
| 26100                | 0.005        |        |        |
| 27000                | 0.009        |        |        |
| 27900                | 0.004        |        |        |

City of Rochester  
Orchard-Whitney CAMP Data

|                      |              |        |        |
|----------------------|--------------|--------|--------|
| Instrument Name      | DustTrak II  |        |        |
| Model Number         | 8530         |        |        |
| Serial Number        | 8530120703   |        |        |
| Firmware Version     | 2.1          |        |        |
| Calibration Date     | 8/25/2012    |        |        |
| Test Name            | MANUAL_002   |        |        |
| Test Start Time      | 8:57:20 AM   |        |        |
| Test Start Date      | 10/5/2015    |        |        |
| Test Length [D:H:M]  | 1:06:45      |        |        |
| Test Interval [M:S]  | 15:00        |        |        |
| Mass Average [mg/m3] | 0.017        |        |        |
| Mass Minimum [mg/m3] | 0            |        |        |
| Mass Maximum [mg/m3] | 0.077        |        |        |
| Mass TWA [mg/m3]     | 0.009        |        |        |
| Photometric User Cal | 1            |        |        |
| Flow User Cal        | 1            |        |        |
| Errors               |              |        |        |
| Number of Samples    | 60           |        |        |
|                      |              |        |        |
| Elapsed Time [s]     | Mass [mg/m3] | Alarms | Errors |
| 900                  | 0.017        |        |        |
| 1800                 | 0.015        |        |        |
| 2700                 | 0.014        |        |        |
| 3600                 | 0.014        |        |        |
| 4500                 | 0.018        |        |        |
| 5400                 | 0.01         |        |        |
| 6300                 | 0.01         |        |        |
| 7200                 | 0.009        |        |        |
| 8100                 | 0.009        |        |        |
| 9000                 | 0.013        |        |        |
| 9900                 | 0.01         |        |        |
| 10800                | 0.007        |        |        |
| 11700                | 0.007        |        |        |
| 12600                | 0.007        |        |        |
| 13500                | 0.007        |        |        |
| 14400                | 0.015        |        |        |
| 15300                | 0.01         |        |        |
| 16200                | 0.007        |        |        |
| 17100                | 0.007        |        |        |
| 18000                | 0.008        |        |        |
| 18900                | 0.009        |        |        |
| 19800                | 0.016        |        |        |
| 20700                | 0.009        |        |        |
| 21600                | 0.009        |        |        |
| 22500                | 0.009        |        |        |
| 23400                | 0.008        |        |        |
| 24300                | 0.01         |        |        |
| 82139                | 0            |        |        |
| 82800                | 0.043        |        |        |
| 83700                | 0.044        |        |        |
| 84600                | 0.077        |        |        |
| 85500                | 0.032        |        |        |
| 86400                | 0.036        |        |        |

City of Rochester  
Orchard-Whitney CAMP Data

|        |       |  |  |
|--------|-------|--|--|
| 87300  | 0.027 |  |  |
| 88200  | 0.026 |  |  |
| 89100  | 0.027 |  |  |
| 90000  | 0.024 |  |  |
| 90900  | 0.025 |  |  |
| 91800  | 0.023 |  |  |
| 92700  | 0.025 |  |  |
| 93600  | 0.024 |  |  |
| 94500  | 0.019 |  |  |
| 95400  | 0.014 |  |  |
| 96300  | 0.012 |  |  |
| 97200  | 0.011 |  |  |
| 98100  | 0.011 |  |  |
| 99000  | 0.012 |  |  |
| 99900  | 0.011 |  |  |
| 100800 | 0.011 |  |  |
| 101700 | 0.011 |  |  |
| 102600 | 0.029 |  |  |
| 103500 | 0.014 |  |  |
| 104400 | 0.024 |  |  |
| 105300 | 0.011 |  |  |
| 106200 | 0.015 |  |  |
| 107100 | 0.014 |  |  |
| 108000 | 0.013 |  |  |
| 108900 | 0.013 |  |  |
| 109800 | 0.017 |  |  |
| 110700 | 0.02  |  |  |

City of Rochester  
Orchard-Whitney CAMP Data

|                      |              |        |        |
|----------------------|--------------|--------|--------|
| Instrument Name      | DustTrak II  |        |        |
| Model Number         | 8530         |        |        |
| Serial Number        | 8530120703   |        |        |
| Firmware Version     | 2.1          |        |        |
| Calibration Date     | 8/25/2012    |        |        |
| Test Name            | MANUAL_003   |        |        |
| Test Start Time      | 7:20:16 AM   |        |        |
| Test Start Date      | 10/7/2015    |        |        |
| Test Length [D:H:M]  | 0:07:30      |        |        |
| Test Interval [M:S]  | 15:00        |        |        |
| Mass Average [mg/m3] | 0.029        |        |        |
| Mass Minimum [mg/m3] | 0.009        |        |        |
| Mass Maximum [mg/m3] | 0.082        |        |        |
| Mass TWA [mg/m3]     | 0.028        |        |        |
| Photometric User Cal | 1            |        |        |
| Flow User Cal        | 1            |        |        |
| Errors               |              |        |        |
| Number of Samples    | 30           |        |        |
|                      |              |        |        |
| Elapsed Time [s]     | Mass [mg/m3] | Alarms | Errors |
| 900                  | 0.059        |        |        |
| 1800                 | 0.07         |        |        |
| 2700                 | 0.082        |        |        |
| 3600                 | 0.067        |        |        |
| 4500                 | 0.065        |        |        |
| 5400                 | 0.052        |        |        |
| 6300                 | 0.041        |        |        |
| 7200                 | 0.038        |        |        |
| 8100                 | 0.039        |        |        |
| 9000                 | 0.043        |        |        |
| 9900                 | 0.039        |        |        |
| 10800                | 0.039        |        |        |
| 11700                | 0.028        |        |        |
| 12600                | 0.024        |        |        |
| 13500                | 0.02         |        |        |
| 14400                | 0.019        |        |        |
| 15300                | 0.014        |        |        |
| 16200                | 0.011        |        |        |
| 17100                | 0.012        |        |        |
| 18000                | 0.012        |        |        |
| 18900                | 0.01         |        |        |
| 19800                | 0.009        |        |        |
| 20700                | 0.011        |        |        |
| 21600                | 0.01         |        |        |
| 22500                | 0.009        |        |        |
| 23400                | 0.01         |        |        |
| 24300                | 0.01         |        |        |
| 25200                | 0.012        |        |        |
| 26100                | 0.013        |        |        |
| 27000                | 0.013        |        |        |
|                      |              |        |        |

City of Rochester  
Orchard-Whitney CAMP Data

|                      |              |        |        |
|----------------------|--------------|--------|--------|
| Instrument Name      | DustTrak II  |        |        |
| Model Number         | 8530         |        |        |
| Serial Number        | 8530120703   |        |        |
| Firmware Version     | 2.1          |        |        |
| Calibration Date     | 8/25/2012    |        |        |
| Test Name            | MANUAL_004   |        |        |
| Test Start Time      | 8:27:17 AM   |        |        |
| Test Start Date      | 10/8/2015    |        |        |
| Test Length [D:H:M]  | 0:02:45      |        |        |
| Test Interval [M:S]  | 15:00        |        |        |
| Mass Average [mg/m3] | 0.008        |        |        |
| Mass Minimum [mg/m3] | 0.007        |        |        |
| Mass Maximum [mg/m3] | 0.01         |        |        |
| Mass TWA [mg/m3]     | 0.003        |        |        |
| Photometric User Cal | 1            |        |        |
| Flow User Cal        | 1            |        |        |
| Errors               |              |        |        |
| Number of Samples    | 11           |        |        |
|                      |              |        |        |
| Elapsed Time [s]     | Mass [mg/m3] | Alarms | Errors |
| 900                  | 0.01         |        |        |
| 1800                 | 0.009        |        |        |
| 2700                 | 0.009        |        |        |
| 3600                 | 0.009        |        |        |
| 4500                 | 0.009        |        |        |
| 5400                 | 0.008        |        |        |
| 6300                 | 0.008        |        |        |
| 7200                 | 0.007        |        |        |
| 8100                 | 0.008        |        |        |
| 9000                 | 0.007        |        |        |
| 9900                 | 0.007        |        |        |
|                      |              |        |        |

City of Rochester  
Orchard-Whitney CAMP Data

|                      |              |        |        |
|----------------------|--------------|--------|--------|
| Instrument Name      | DustTrak II  |        |        |
| Model Number         | 8530         |        |        |
| Serial Number        | 8530120703   |        |        |
| Firmware Version     | 2.1          |        |        |
| Calibration Date     | 8/25/2012    |        |        |
| Test Name            | MANUAL_005   |        |        |
| Test Start Time      | 12:41:27 PM  |        |        |
| Test Start Date      | 10/8/2015    |        |        |
| Test Length [D:H:M]  | 0:02:45      |        |        |
| Test Interval [M:S]  | 15:00        |        |        |
| Mass Average [mg/m3] | 0.009        |        |        |
| Mass Minimum [mg/m3] | 0.008        |        |        |
| Mass Maximum [mg/m3] | 0.014        |        |        |
| Mass TWA [mg/m3]     | 0.003        |        |        |
| Photometric User Cal | 1            |        |        |
| Flow User Cal        | 1            |        |        |
| Errors               |              |        |        |
| Number of Samples    | 11           |        |        |
|                      |              |        |        |
| Elapsed Time [s]     | Mass [mg/m3] | Alarms | Errors |
| 900                  | 0.009        |        |        |
| 1800                 | 0.008        |        |        |
| 2700                 | 0.008        |        |        |
| 3600                 | 0.008        |        |        |
| 4500                 | 0.01         |        |        |
| 5400                 | 0.014        |        |        |
| 6300                 | 0.008        |        |        |
| 7200                 | 0.01         |        |        |
| 8100                 | 0.008        |        |        |
| 9000                 | 0.008        |        |        |
| 9900                 | 0.008        |        |        |
|                      |              |        |        |

City of Rochester  
Orchard-Whitney CAMP Data

|                      |              |        |        |
|----------------------|--------------|--------|--------|
| Instrument Name      | DustTrak II  |        |        |
| Model Number         | 8530         |        |        |
| Serial Number        | 8530120703   |        |        |
| Firmware Version     | 2.1          |        |        |
| Calibration Date     | 8/25/2012    |        |        |
| Test Name            | MANUAL_006   |        |        |
| Test Start Time      | 6:48:56 AM   |        |        |
| Test Start Date      | 10/12/2015   |        |        |
| Test Length [D:H:M]  | 0:07:30      |        |        |
| Test Interval [M:S]  | 15:00        |        |        |
| Mass Average [mg/m3] | 0.014        |        |        |
| Mass Minimum [mg/m3] | 0.007        |        |        |
| Mass Maximum [mg/m3] | 0.021        |        |        |
| Mass TWA [mg/m3]     | 0.013        |        |        |
| Photometric User Cal | 1            |        |        |
| Flow User Cal        | 1            |        |        |
| Errors               |              |        |        |
| Number of Samples    | 30           |        |        |
|                      |              |        |        |
| Elapsed Time [s]     | Mass [mg/m3] | Alarms | Errors |
| 900                  | 0.016        |        |        |
| 1800                 | 0.017        |        |        |
| 2700                 | 0.016        |        |        |
| 3600                 | 0.016        |        |        |
| 4500                 | 0.015        |        |        |
| 5400                 | 0.015        |        |        |
| 6300                 | 0.016        |        |        |
| 7200                 | 0.015        |        |        |
| 8100                 | 0.017        |        |        |
| 9000                 | 0.015        |        |        |
| 9900                 | 0.014        |        |        |
| 10800                | 0.014        |        |        |
| 11700                | 0.015        |        |        |
| 12600                | 0.015        |        |        |
| 13500                | 0.021        |        |        |
| 14400                | 0.014        |        |        |
| 15300                | 0.018        |        |        |
| 16200                | 0.016        |        |        |
| 17100                | 0.015        |        |        |
| 18000                | 0.013        |        |        |
| 18900                | 0.017        |        |        |
| 19800                | 0.012        |        |        |
| 20700                | 0.013        |        |        |
| 21600                | 0.009        |        |        |
| 22500                | 0.008        |        |        |
| 23400                | 0.009        |        |        |
| 24300                | 0.018        |        |        |
| 25200                | 0.007        |        |        |
| 26100                | 0.008        |        |        |
| 27000                | 0.017        |        |        |



City of Rochester  
Orchard-Whitney CAMP Data

|                      |              |        |        |
|----------------------|--------------|--------|--------|
| Instrument Name      | DustTrak II  |        |        |
| Model Number         | 8530         |        |        |
| Serial Number        | 8530120703   |        |        |
| Firmware Version     | 2.1          |        |        |
| Calibration Date     | 8/25/2012    |        |        |
| Test Name            | MANUAL_007   |        |        |
| Test Start Time      | 10:02:59 AM  |        |        |
| Test Start Date      | 10/13/2015   |        |        |
| Test Length [D:H:M]  | 0:04:30      |        |        |
| Test Interval [M:S]  | 15:00        |        |        |
| Mass Average [mg/m3] | 0.018        |        |        |
| Mass Minimum [mg/m3] | 0.008        |        |        |
| Mass Maximum [mg/m3] | 0.069        |        |        |
| Mass TWA [mg/m3]     | 0.01         |        |        |
| Photometric User Cal | 1            |        |        |
| Flow User Cal        | 1            |        |        |
| Errors               |              |        |        |
| Number of Samples    | 18           |        |        |
|                      |              |        |        |
| Elapsed Time [s]     | Mass [mg/m3] | Alarms | Errors |
| 900                  | 0.069        |        |        |
| 1800                 | 0.02         |        |        |
| 2700                 | 0.019        |        |        |
| 3600                 | 0.019        |        |        |
| 4500                 | 0.017        |        |        |
| 5400                 | 0.019        |        |        |
| 6300                 | 0.018        |        |        |
| 7200                 | 0.023        |        |        |
| 8100                 | 0.023        |        |        |
| 9000                 | 0.015        |        |        |
| 9900                 | 0.013        |        |        |
| 10800                | 0.011        |        |        |
| 11700                | 0.009        |        |        |
| 12600                | 0.012        |        |        |
| 13500                | 0.012        |        |        |
| 14400                | 0.01         |        |        |
| 15300                | 0.008        |        |        |
| 16200                | 0.008        |        |        |
|                      |              |        |        |

City of Rochester  
Orchard-Whitney CAMP Data

|                      |              |        |        |
|----------------------|--------------|--------|--------|
| Instrument Name      | DustTrak II  |        |        |
| Model Number         | 8530         |        |        |
| Serial Number        | 8530120703   |        |        |
| Firmware Version     | 2.1          |        |        |
| Calibration Date     | 8/25/2012    |        |        |
| Test Name            | MANUAL_008   |        |        |
| Test Start Time      | 7:58:07 AM   |        |        |
| Test Start Date      | 10/14/2015   |        |        |
| Test Length [D:H:M]  | 0:05:30      |        |        |
| Test Interval [M:S]  | 15:00        |        |        |
| Mass Average [mg/m3] | 0.009        |        |        |
| Mass Minimum [mg/m3] | 0.004        |        |        |
| Mass Maximum [mg/m3] | 0.032        |        |        |
| Mass TWA [mg/m3]     | 0.006        |        |        |
| Photometric User Cal | 1            |        |        |
| Flow User Cal        | 1            |        |        |
| Errors               |              |        |        |
| Number of Samples    | 22           |        |        |
|                      |              |        |        |
| Elapsed Time [s]     | Mass [mg/m3] | Alarms | Errors |
| 900                  | 0.025        |        |        |
| 1800                 | 0.032        |        |        |
| 2700                 | 0.024        |        |        |
| 3600                 | 0.012        |        |        |
| 4500                 | 0.005        |        |        |
| 5400                 | 0.005        |        |        |
| 6300                 | 0.004        |        |        |
| 7200                 | 0.004        |        |        |
| 8100                 | 0.004        |        |        |
| 9000                 | 0.006        |        |        |
| 9900                 | 0.007        |        |        |
| 10800                | 0.006        |        |        |
| 11700                | 0.007        |        |        |
| 12600                | 0.006        |        |        |
| 13500                | 0.004        |        |        |
| 14400                | 0.005        |        |        |
| 15300                | 0.004        |        |        |
| 16200                | 0.005        |        |        |
| 17100                | 0.005        |        |        |
| 18000                | 0.01         |        |        |
| 18900                | 0.011        |        |        |
| 19800                | 0.011        |        |        |
|                      |              |        |        |
|                      |              |        |        |
|                      |              |        |        |

City of Rochester  
Orchard-Whitney CAMP Data

|                      |              |        |        |
|----------------------|--------------|--------|--------|
| Instrument Name      | DustTrak II  |        |        |
| Model Number         | 8530         |        |        |
| Serial Number        | 8530120703   |        |        |
| Firmware Version     | 2.1          |        |        |
| Calibration Date     | 8/25/2012    |        |        |
| Test Name            | MANUAL_009   |        |        |
| Test Start Time      | 7:54:16 AM   |        |        |
| Test Start Date      | 10/15/2015   |        |        |
| Test Length [D:H:M]  | 0:05:30      |        |        |
| Test Interval [M:S]  | 15:00        |        |        |
| Mass Average [mg/m3] | 0.01         |        |        |
| Mass Minimum [mg/m3] | 0.006        |        |        |
| Mass Maximum [mg/m3] | 0.017        |        |        |
| Mass TWA [mg/m3]     | 0.007        |        |        |
| Photometric User Cal | 1            |        |        |
| Flow User Cal        | 1            |        |        |
| Errors               |              |        |        |
| Number of Samples    | 22           |        |        |
|                      |              |        |        |
| Elapsed Time [s]     | Mass [mg/m3] | Alarms | Errors |
| 900                  | 0.012        |        |        |
| 1800                 | 0.009        |        |        |
| 2700                 | 0.008        |        |        |
| 3600                 | 0.009        |        |        |
| 4500                 | 0.012        |        |        |
| 5400                 | 0.008        |        |        |
| 6300                 | 0.008        |        |        |
| 7200                 | 0.008        |        |        |
| 8100                 | 0.006        |        |        |
| 9000                 | 0.013        |        |        |
| 9900                 | 0.012        |        |        |
| 10800                | 0.008        |        |        |
| 11700                | 0.009        |        |        |
| 12600                | 0.008        |        |        |
| 13500                | 0.009        |        |        |
| 14400                | 0.011        |        |        |
| 15300                | 0.017        |        |        |
| 16200                | 0.008        |        |        |
| 17100                | 0.01         |        |        |
| 18000                | 0.011        |        |        |
| 18900                | 0.014        |        |        |
| 19800                | 0.016        |        |        |
|                      |              |        |        |

## Appendix G – Soil Boring Logs

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|                 |                     |
|-----------------|---------------------|
| PROJECT         | BORING MW-26        |
| Orchard-Whitney | SHEET 1 OF 1        |
|                 | JOB #: 4216-06      |
|                 | CHKD. BY: G. Andrus |

|                                    |                               |                   |
|------------------------------------|-------------------------------|-------------------|
| DRILLER: Nothnagle- NS             | GROUND SURFACE ELEVATION: N/A | DATUM: N/A        |
| JCL GEOLOGIST: G. Andrus, L.Gregor | START DATE: 7/20/15           | END DATE: 7/20/15 |

|                                                                                                     |                  |      |       |        |         |
|-----------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG:<br>CASING SIZE AND TYPE:<br>OVERBURDEN SAMPLING METHOD:<br>ROCK DRILLING METHOD: | WATER LEVEL DATA |      |       |        |         |
|                                                                                                     | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                     |                  |      |       |        |         |
|                                                                                                     |                  |      |       |        |         |
|                                                                                                     |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                                                                                                                                                                            | PID |
|-------|-------------|-----|-------------|-----------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                                                                                                                                                                               |     |
| 1     |             |     |             |                 | 50%          | Concrete core to 0.5' bgs<br>Concrete subbase cmf SAND, and cmf GRAVEL                                                                                                                                                        | N/D |
| 2     |             |     |             |                 |              | brown fine SAND, some mf GRAVEL, little cm SAND, trace silt, firm, moist, no odor                                                                                                                                             | N/D |
| 3     |             |     |             |                 |              |                                                                                                                                                                                                                               |     |
| 4     |             |     |             |                 |              |                                                                                                                                                                                                                               |     |
| 5     |             |     |             |                 |              | brown similar soil with cmf GRAVEL/cmf SAND cinder lense at 5'-5.5' (loose, black, moist, no odor)                                                                                                                            | N/D |
| 6     |             |     |             |                 |              | brown, fine SAND (wet) 5.5'-6'<br>brown mf SAND some cmf GRAVEL, trace SILT, wet, loose, no odor                                                                                                                              | N/D |
| 7     |             |     |             |                 |              |                                                                                                                                                                                                                               |     |
| 8     |             |     |             |                 |              |                                                                                                                                                                                                                               |     |
| 9     |             |     |             |                 |              | similar soil becoming looser and more saturated                                                                                                                                                                               | N/D |
| 10    |             |     |             |                 |              | Soil sample taken @ 9.5' MW-26<br>gravel becoming brown cmf SAND and silt, some cmf GRAVEL, firmer, wet, no odor                                                                                                              | N/D |
| 11    |             |     |             |                 |              |                                                                                                                                                                                                                               |     |
| 12    |             |     |             |                 |              | brown-grey glacial till (fine SAND) and SILT, some cm SAND, some cmf GRAVEL, firm, moist, no odor.                                                                                                                            | N/D |
| 13    |             |     |             |                 |              | Switched to coring tools (NX). Cored to approx. 17' TD. RQD determined to be approximately 80%.<br>Rock is massively bedded dolostone, hard, slightly weathered, with moderately close fracture/joint spacing with few voids. |     |
| 14    |             |     |             |                 |              |                                                                                                                                                                                                                               |     |
| 15    |             |     |             |                 |              |                                                                                                                                                                                                                               |     |
| 16    |             |     |             |                 |              |                                                                                                                                                                                                                               |     |
| 17    |             |     |             |                 |              | 17' (16.88) Core hole terminated                                                                                                                                                                                              |     |
| 18    |             |     |             |                 |              |                                                                                                                                                                                                                               |     |
| 19    |             |     |             |                 |              |                                                                                                                                                                                                                               |     |
| 20    |             |     |             |                 |              |                                                                                                                                                                                                                               |     |

|                                                                                                  |                              |
|--------------------------------------------------------------------------------------------------|------------------------------|
| <b>LEGEND</b><br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | Bedrock encountered at 12.1' |
|--------------------------------------------------------------------------------------------------|------------------------------|

GENERAL NOTES:  
 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

BORING #

|                                    |                               |                   |
|------------------------------------|-------------------------------|-------------------|
| DRILLER: Nothnagle- NS             | GROUND SURFACE ELEVATION: N/A | DATUM: N/A        |
| JCL GEOLOGIST: G. Andrus, L.Gregor | START DATE: 7/20/15           | END DATE: 7/21/15 |

|                                                                                                     |                  |      |       |        |         |
|-----------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG:<br>CASING SIZE AND TYPE:<br>OVERBURDEN SAMPLING METHOD:<br>ROCK DRILLING METHOD: | WATER LEVEL DATA |      |       |        |         |
|                                                                                                     | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                     |                  |      |       |        |         |
|                                                                                                     |                  |      |       |        |         |
|                                                                                                     |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                                   | PID |
|-------|-------------|-----|-------------|-----------------|--------------|--------------------------------------------------------------------------------------|-----|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                                      |     |
| 1     |             |     |             |                 |              | 12-14' concrete- balck cinders/concrete                                              | N/D |
|       |             |     |             |                 | 40%          | brown, fine SAND, little mf GRAVEL                                                   |     |
| 2     |             |     |             |                 |              | firm, moist, no odor                                                                 | N/D |
| 3     |             |     |             |                 |              |                                                                                      |     |
| 4     |             |     |             |                 |              | brown mf SAND, some mf GRAVEL, loose, moist, no odor                                 | N/D |
|       |             |     |             |                 | 25%          | brown similar soil loose, saturated, no odor                                         | N/D |
| 5     |             |     |             |                 |              |                                                                                      |     |
| 6     |             |     |             |                 |              |                                                                                      |     |
| 7     |             |     |             |                 |              |                                                                                      |     |
| 8     |             |     |             |                 |              |                                                                                      |     |
|       |             |     |             |                 | 50%          | light brown fine SAND and SILT, some cmf GRAVEL, firm, saturated, no odor            | N/D |
| 9     |             |     |             |                 |              |                                                                                      |     |
| 10    |             |     |             |                 |              |                                                                                      |     |
| 11    |             |     |             |                 |              |                                                                                      |     |
|       |             |     |             |                 |              | grey/brown SILT, little cmf SAND, little mf GRAVEL, trace CLAY, firm, moist, no odor | N/D |
| 12    |             |     |             |                 |              | soil sample @ 12' MW-27A                                                             |     |
|       |             |     |             |                 | 30%          | grey, fine SAND and cmf GRAVEL, little cm SAND, firm, saturated, no odor             | N/D |
| 13    |             |     |             |                 |              |                                                                                      |     |
| 14    |             |     |             |                 |              |                                                                                      |     |
| 15    |             |     |             |                 |              |                                                                                      |     |
| 16    |             |     |             |                 |              |                                                                                      |     |
|       |             |     |             |                 | 100%         | similar soil                                                                         | N/D |
| 17    |             |     |             |                 |              |                                                                                      |     |
|       |             |     | 29-32.5     |                 |              | brown/grey mf SAND, little coarse SAND, trace mf GRAVEL, firm, wet, no odor          |     |
|       |             |     |             |                 |              | soil sample @ 30'-32' MW-27B                                                         | N/D |
|       |             |     | 34-36.7     |                 |              | brown/grey mf SAND and cmf GRAVEL, some SILT, saturated, loose, no odor              |     |

|                                                                                                  |                            |
|--------------------------------------------------------------------------------------------------|----------------------------|
| <b>LEGEND</b><br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | Boring terminated at 33.65 |
|--------------------------------------------------------------------------------------------------|----------------------------|

GENERAL NOTES:

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

BORING #



175 Sullys Trail, Suite 202  
Corporate Crossings Office Park

|                 |                     |
|-----------------|---------------------|
| PROJECT         | BORING MW-28        |
| Orchard-Whitney | SHEET 1 OF 1        |
|                 | JOB #: 4216-06      |
|                 | CHKD. BY: G. Andrus |

|                                  |                               |                   |
|----------------------------------|-------------------------------|-------------------|
| DRILLER: Nothnagle- NS           | GROUND SURFACE ELEVATION: N/A | DATUM: N/A        |
| JCL GEOLOGIST: C. Bok, L. Gregor | START DATE: 7/21/15           | END DATE: 7/22/15 |

|                                                                                                     |                  |      |       |        |         |
|-----------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG:<br>CASING SIZE AND TYPE:<br>OVERBURDEN SAMPLING METHOD:<br>ROCK DRILLING METHOD: | WATER LEVEL DATA |      |       |        |         |
|                                                                                                     | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                     |                  |      |       |        |         |
|                                                                                                     |                  |      |       |        |         |
|                                                                                                     |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                           | PID |
|-------|-------------|-----|-------------|-----------------|--------------|----------------------------------------------|-----|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                              |     |
| 1     |             |     |             |                 | 30%          | concrete @ 0.5                               | N/D |
| 2     |             |     |             |                 |              |                                              |     |
| 3     |             |     |             |                 |              |                                              |     |
| 4     |             |     |             |                 |              | No sampling (similar soil)                   |     |
| 5     |             |     |             |                 |              |                                              |     |
| 6     |             |     |             |                 |              |                                              |     |
| 7     |             |     |             |                 |              |                                              |     |
| 8     |             |     |             |                 |              |                                              |     |
| 9     |             |     |             |                 |              |                                              |     |
| 10    |             |     |             |                 | 60%          | 10-12.5 brown, saturated, silt, trace clay,  | N/D |
| 11    |             |     |             |                 |              | Soil sample @ 11' MW-28                      | N/D |
| 12    |             |     |             |                 |              |                                              |     |
| 13    |             |     |             |                 |              | Bedrock encountered @ 13.0'                  |     |
| 14    |             |     |             |                 |              |                                              |     |
| 15    |             |     |             |                 |              |                                              |     |
| 16    |             |     |             |                 |              |                                              |     |
| 17    |             |     |             |                 |              | Used rotary (tri-cone) bit with water to 18' |     |
| 18    |             |     |             |                 |              |                                              |     |
| 19    |             |     |             |                 |              |                                              |     |
| 20    |             |     |             |                 |              |                                              |     |

|                                                                                                  |                                                   |
|--------------------------------------------------------------------------------------------------|---------------------------------------------------|
| <b>LEGEND</b><br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | Bedrock encountered @ 12.7'<br>Total depth of 18' |
|--------------------------------------------------------------------------------------------------|---------------------------------------------------|

GENERAL NOTES:  
 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

BORING #

|                 |                     |
|-----------------|---------------------|
| PROJECT         | BORING MW-29        |
| Orchard-Whitney | SHEET 1 OF 1        |
|                 | JOB #: 4216-06      |
|                 | CHKD. BY: G. Andrus |

|                                  |                               |                   |
|----------------------------------|-------------------------------|-------------------|
| DRILLER: Nothnagle- NS           | GROUND SURFACE ELEVATION: N/A | DATUM: N/A        |
| JCL GEOLOGIST: C. Bok, L. Gregor | START DATE: 7/22/15           | END DATE: 7/22/15 |

|                                                                                                     |                  |      |       |        |         |
|-----------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG:<br>CASING SIZE AND TYPE:<br>OVERBURDEN SAMPLING METHOD:<br>ROCK DRILLING METHOD: | WATER LEVEL DATA |      |       |        |         |
|                                                                                                     | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                     |                  |      |       |        |         |
|                                                                                                     |                  |      |       |        |         |
|                                                                                                     |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                                                | PID |
|-------|-------------|-----|-------------|-----------------|--------------|---------------------------------------------------------------------------------------------------|-----|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                                                   |     |
| 1     |             |     |             |                 | 30%          | concrete @ 0.5                                                                                    | N/D |
| 2     |             |     |             |                 |              |                                                                                                   |     |
| 3     |             |     |             |                 |              |                                                                                                   |     |
| 4     |             |     |             |                 |              |                                                                                                   |     |
| 5     |             |     |             |                 |              |                                                                                                   |     |
| 6     |             |     |             |                 |              |                                                                                                   |     |
| 7     |             |     |             |                 |              |                                                                                                   |     |
| 8     |             |     |             |                 |              |                                                                                                   |     |
| 9     |             |     |             |                 |              |                                                                                                   |     |
| 10    |             |     |             |                 | 50%          |                                                                                                   |     |
| 11    |             |     |             |                 |              | light brown sand and silt, no gravel, hard clay, grey,<br>Soil sample @ 11' MW-29                 | N/D |
| 12    |             |     |             |                 |              |                                                                                                   |     |
| 13    |             |     |             |                 |              | Refusal @12' (11.75'). Bedrock encountered<br><br>Used rotary (tri-cone) bit with water to 16.75' | N/D |
| 14    |             |     |             |                 |              |                                                                                                   |     |
| 15    |             |     |             |                 |              |                                                                                                   |     |
| 16    |             |     |             |                 |              |                                                                                                   |     |
| 17    |             |     |             |                 |              |                                                                                                   |     |
| 18    |             |     |             |                 |              |                                                                                                   |     |
| 19    |             |     |             |                 |              |                                                                                                   |     |
| 20    |             |     |             |                 |              |                                                                                                   |     |

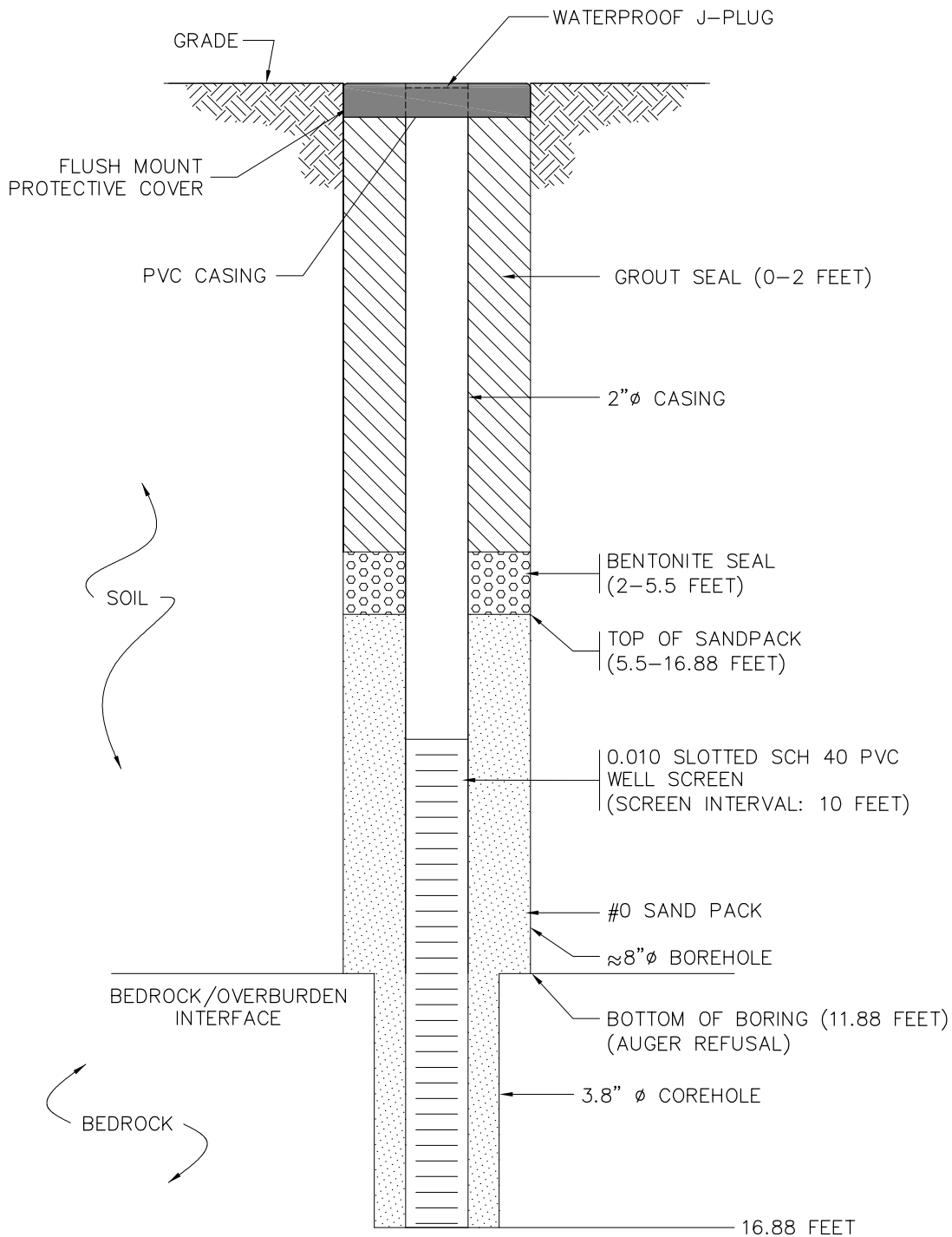
|                                                                                                  |                    |
|--------------------------------------------------------------------------------------------------|--------------------|
| <b>LEGEND</b><br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | Total depth 16.75' |
|--------------------------------------------------------------------------------------------------|--------------------|

GENERAL NOTES:  
 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

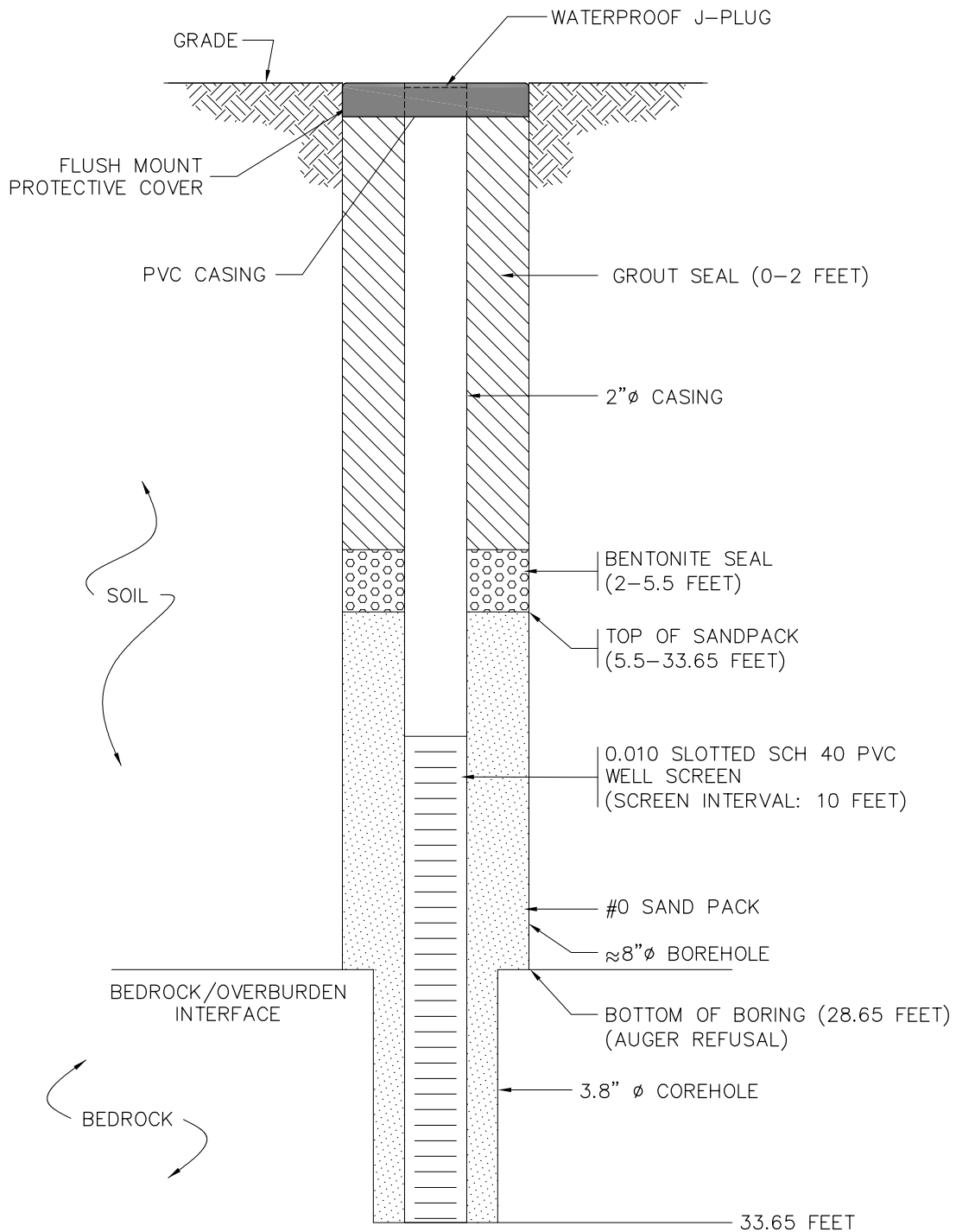


## **Appendix H – Monitoring Well Construction Diagrams**

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MW-26 CONSTRUCTION DETAIL  
NOT TO SCALE



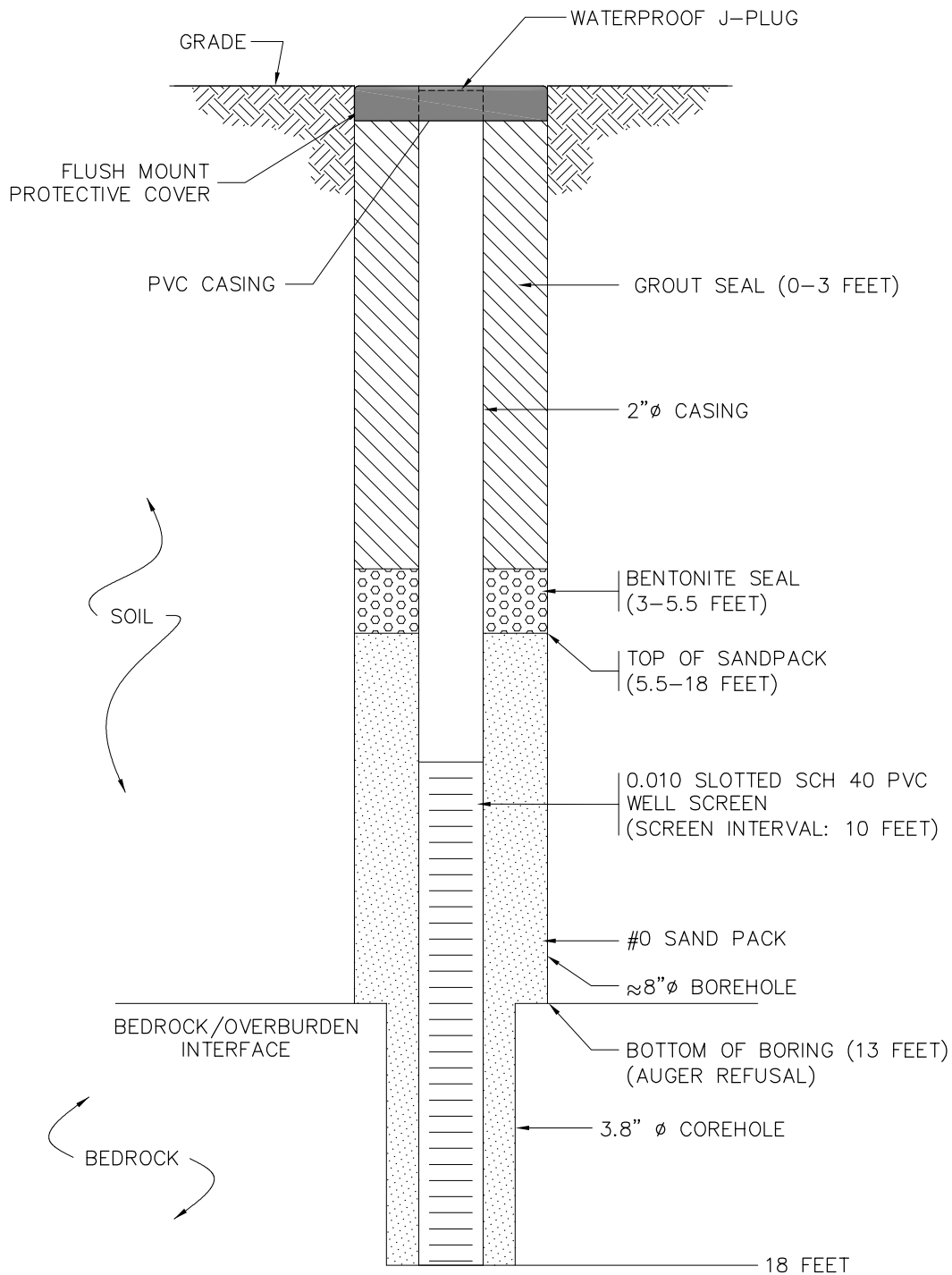
MW-27 CONSTRUCTION DETAIL  
NOT TO SCALE



**FLUSH MOUNT WELL DIAGRAM**

MONITORING WELL 27  
CITY OF ROCHESTER  
ORCHARD WHITNEY

|               |             |
|---------------|-------------|
| DATE:         | AUGUST 2015 |
| SCALE:        | NONE        |
| DRAWN/CHECKED | JRM/LG      |
| P.N.          | 4216-07     |



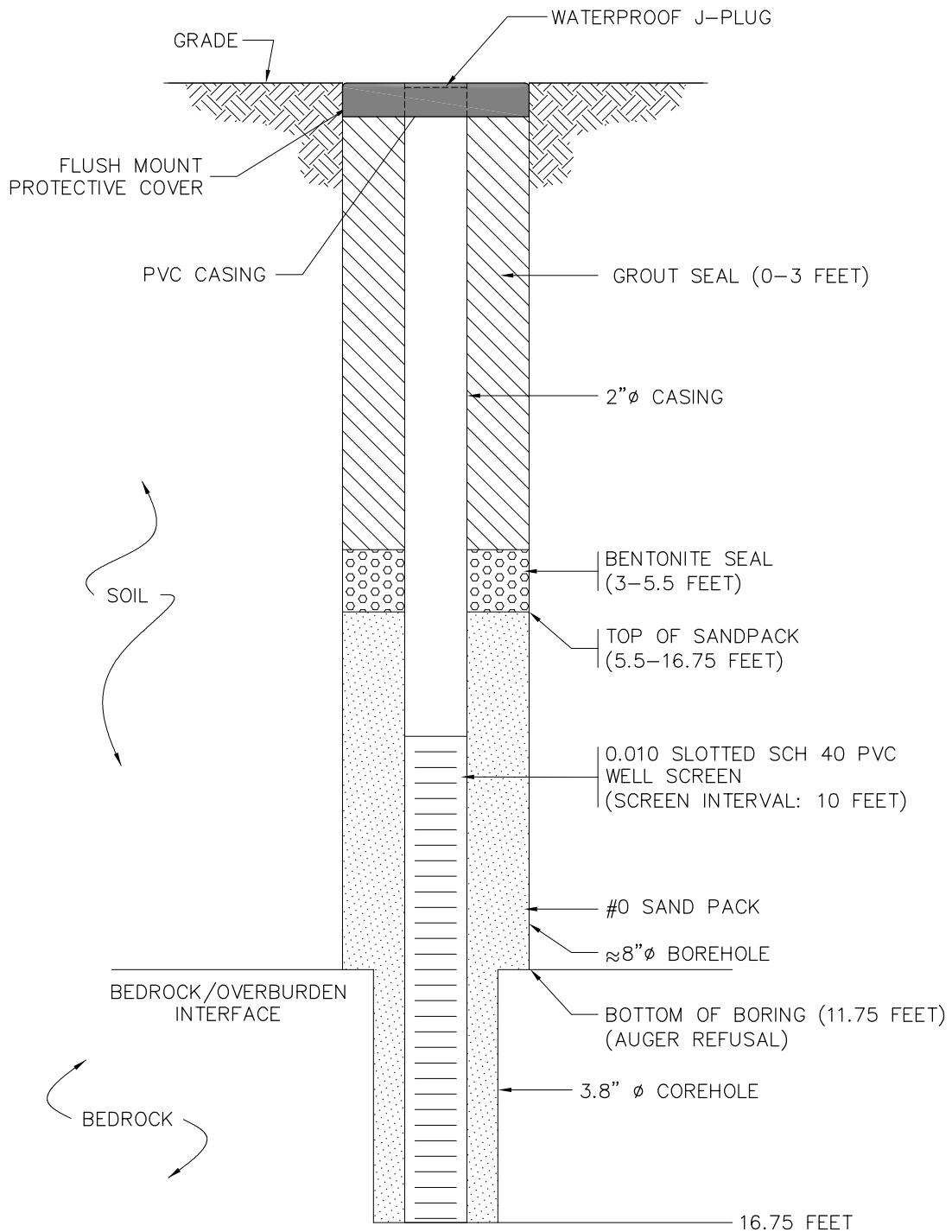
MW-28 CONSTRUCTION DETAIL  
NOT TO SCALE



**FLUSH MOUNT WELL DIAGRAM**

MONITORING WELL 28  
CITY OF ROCHESTER  
ORCHARD WHITNEY

|               |             |
|---------------|-------------|
| DATE:         | AUGUST 2015 |
| SCALE:        | NONE        |
| DRAWN/CHECKED | JRM/LG      |
| P.N.          | 4216-07     |



MW-29 CONSTRUCTION DETAIL  
NOT TO SCALE



**FLUSH MOUNT WELL DIAGRAM**

MONITORING WELL 29  
CITY OF ROCHESTER  
ORCHARD WHITNEY

|               |             |
|---------------|-------------|
| DATE:         | AUGUST 2015 |
| SCALE:        | NONE        |
| DRAWN/CHECKED | JRM/LG      |
| P.N.          | 4216-07     |

## Appendix I – Well Development Logs

---

# Well Development Field Record



Project Name: Clarendon Whiskey  
 Well ID: MW-16  
 Logged by: C. Bok

Development Date: 7/22/15  
 Installation Date: \_\_\_\_\_

Job # 4216-06  
 Start Time: \_\_\_\_\_  
 End Time: \_\_\_\_\_

Initial Depth to Water: \_\_\_\_\_  
 Final Depth to Water: \_\_\_\_\_  
 Screen Length: \_\_\_\_\_  
 Well Volume: \_\_\_\_\_ gals  
 (2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth)

Measurement Point: \_\_\_\_\_  
 Well Depth before: \_\_\_\_\_  
 Well Depth after: 21.4  
 Sediment Depth Removed: \_\_\_\_\_

Well Diameter: 2"  
 Well Integrity:  
 Cap   
 Casing   
 Locked   
 Collar

Protective casing stick-up: \_\_\_\_\_ Casing/Well difference: \_\_\_\_\_

## WATER QUALITY PARAMETERS

| Time         | Volume Purged (gals) | Purge Rate (gals/min) | Temp. (deg. C) | pH (units)  | Dissolved O2 (mg/L) | Turbidity (NTU) | Cond. (mS/cm) | Comments |
|--------------|----------------------|-----------------------|----------------|-------------|---------------------|-----------------|---------------|----------|
| <u>13:54</u> |                      |                       | <u>10.7</u>    | <u>6.35</u> |                     |                 | <u>142</u>    |          |
|              |                      |                       |                |             |                     |                 |               |          |
|              |                      |                       |                |             |                     |                 |               |          |
|              |                      |                       |                |             |                     |                 |               |          |
|              |                      |                       |                |             |                     |                 |               |          |

Type of Water Quality Meter: myron  
 Purge Observations: \_\_\_\_\_  
 Purge Water Containerized: NO

## EQUIPMENT DOCUMENTATION

- Submersible Pump
- PVC Bailer
- Surge Block
- Other \_\_\_\_\_

Approximate Recharge Rate: \_\_\_\_\_

Total Gallons Removed: 15.4

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: C. Bok  
 Checked By: LG

# Well Development Field Record



Project Name: Orchard-Waitney  
 Well ID: MW-23  
 Logged by: L. Gregor

Development Date: 7/22/15  
 Installation Date: \_\_\_\_\_

Job # 4216-06  
 Start Time: 12:30  
 End Time: 13:40

Initial Depth to Water: 9.20  
 Final Depth to Water: 11.54  
 Screen Length: \_\_\_\_\_  
 Well Volume: 5.78 gals  
 (2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth)

Measurement Point: \_\_\_\_\_  
 Well Depth before: 21.00  
 Well Depth after: 21.00  
 Sediment Depth Removed: \_\_\_\_\_

Well Diameter: 2"  
 Well Integrity: \_\_\_\_\_  
 Cap   
 Casing   
 Locked \_\_\_\_\_  
 Collar \_\_\_\_\_

Protective casing stick-up: \_\_\_\_\_

Casing/Well difference: \_\_\_\_\_

## WATER QUALITY PARAMETERS

| Time  | Volume Purged (gals) | Purge Rate (gals/min) | Temp. (deg. C) | pH (units) | Dissolved O2 (mg/L) | Turbidity (NTU) | Cond. (mS/cm) | Comments |
|-------|----------------------|-----------------------|----------------|------------|---------------------|-----------------|---------------|----------|
| 13:40 | 15                   |                       | 26.4           | 6.22       |                     |                 | 2.85          |          |
|       |                      |                       |                |            |                     |                 |               |          |
|       |                      |                       |                |            |                     |                 |               |          |
|       |                      |                       |                |            |                     |                 |               |          |
|       |                      |                       |                |            |                     |                 |               |          |

Type of Water Quality Meter: myer  
 Purge Observations: turbid, no odor  
 Purge Water Containerized: NO

## EQUIPMENT DOCUMENTATION

- Submersible Pump
- PVC Bailer
- Surge Block
- Other \_\_\_\_\_

Approximate Recharge Rate: \_\_\_\_\_

Total Gallons Removed: 16

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: Laura M. Gregor  
 Checked By: L.G.



# Well Development Field Record

Project Name: Orchard-Whitney  
 Well ID: MW-26  
 Logged by: L. Gregory

Development Date: 7/23/15  
 Installation Date: 7/20/15

Job # 4216-06  
 Start Time: 10:00  
 End Time: 12:10

Initial Depth to Water: 6.98  
 Final Depth to Water: 9.54  
 Screen Length: 10'  
 Well Volume: ~48 gals

Measurement Point: \_\_\_\_\_  
 Well Depth before: \_\_\_\_\_  
 Well Depth after: 16.90  
 Sediment Depth Removed: \_\_\_\_\_

Well Diameter: 2"  
 Well Integrity:  
 Cap   
 Casing   
 Locked   
 Collar

(2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth)

Protective casing stick-up: \_\_\_\_\_ Casing/Well difference: \_\_\_\_\_

## WATER QUALITY PARAMETERS

| Time  | Volume Purged (gals) | Purge Rate (gals/min) | Temp. (deg. C) | pH (units) | Dissolved O2 (mg/L) | Turbidity (NTU) | Cond. (mS/cm) | Comments |
|-------|----------------------|-----------------------|----------------|------------|---------------------|-----------------|---------------|----------|
| 12:10 | 14                   |                       | 22.2           | 6.96       |                     |                 | 24.68         |          |
|       |                      |                       |                |            |                     |                 |               |          |
|       |                      |                       |                |            |                     |                 |               |          |
|       |                      |                       |                |            |                     |                 |               |          |
|       |                      |                       |                |            |                     |                 |               |          |

Type of Water Quality Meter: mycon  
 Purge Observations: turbid, no odor, well went dry 2x  
 Purge Water Containerized: NO

## EQUIPMENT DOCUMENTATION

- Submersible Pump
- PVC Bailer
- Surge Block
- Other \_\_\_\_\_

Approximate Recharge Rate: \_\_\_\_\_

Total Gallons Removed: 15

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: Laura K. Gregory  
 Checked By: L.G.

# Well Development Field Record



Project Name: Orchard-Whitney  
 Well ID: MW-27  
 Logged by: C. Bok

Development Date: 7/23/15  
 Installation Date: 7/18/15

Job # 4216-06  
 Start Time: 9:00  
 End Time: 10:30

Initial Depth to Water: 16.35  
 Final Depth to Water: 19.1  
 Screen Length: \_\_\_\_\_  
 Well Volume: 8.3 gals

Measurement Point: \_\_\_\_\_  
 Well Depth before: 33.04  
 Well Depth after: 33.35  
 Sediment Depth Removed: \_\_\_\_\_

Well Diameter: 2"  
 Well Integrity: \_\_\_\_\_  
 Cap   
 Casing   
 Locked   
 Collar

(2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth)

Protective casing stick-up: \_\_\_\_\_ Casing/Well difference: \_\_\_\_\_

## WATER QUALITY PARAMETERS

| Time  | Volume Purged (gals) | Purge Rate (gals/min) | Temp. (deg. C) | pH (units) | Dissolved O2 (mg/L) | Turbidity (NTU) | Cond. (mS/cm) | Comments |
|-------|----------------------|-----------------------|----------------|------------|---------------------|-----------------|---------------|----------|
| 13:10 | 15                   |                       | 19.2           | 7.61       |                     |                 | 1048          |          |
|       |                      |                       |                |            |                     |                 |               |          |
|       |                      |                       |                |            |                     |                 |               |          |
|       |                      |                       |                |            |                     |                 |               |          |
|       |                      |                       |                |            |                     |                 |               |          |

Type of Water Quality Meter: myfor  
 Purge Observations: \_\_\_\_\_  
 Purge Water Containerized: NO

## EQUIPMENT DOCUMENTATION

- Submersible Pump
- PVC Bailer
- Surge Block
- Other \_\_\_\_\_

Approximate Recharge Rate: \_\_\_\_\_  
 Total Gallons Removed: 15

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: C. Bok  
 Checked By: LG

# Well Development Field Record

 Project Name: Orchard-Whitney  
 Well ID: MW-28  
 Logged by: L. Greco

 Development Date: 7/23/15  
 Installation Date: 7/22/15

 Job # 4216-06  
 Start Time: 8:40  
 End Time: 10:00

 Initial Depth to Water: 7.30  
 Final Depth to Water: 14.19  
 Screen Length: \_\_\_\_\_  
 Well Volume: 25.2 gals

 Measurement Point: \_\_\_\_\_  
 Well Depth before: 18.0  
 Well Depth after: 18.1  
 Sediment Depth Removed: \_\_\_\_\_

 Well Diameter: 2"  
 Well Integrity: \_\_\_\_\_  
 Cap   
 Casing   
 Locked   
 Collar 

(2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth)

Protective casing stick-up: \_\_\_\_\_ Casing/Well difference: \_\_\_\_\_

## WATER QUALITY PARAMETERS

| Time  | Volume Purged (gals) | Purge Rate (gals/min) | Temp. (deg. C) | pH (units) | Dissolved O2 (mg/L) | Turbidity (NTU) | Cond. (mS/cm) | Comments |
|-------|----------------------|-----------------------|----------------|------------|---------------------|-----------------|---------------|----------|
| 10:00 | 15                   |                       | 15.9           | 7.64       |                     |                 | 1021          |          |
|       |                      |                       |                |            |                     |                 |               |          |
|       |                      |                       |                |            |                     |                 |               |          |
|       |                      |                       |                |            |                     |                 |               |          |
|       |                      |                       |                |            |                     |                 |               |          |
|       |                      |                       |                |            |                     |                 |               |          |
|       |                      |                       |                |            |                     |                 |               |          |
|       |                      |                       |                |            |                     |                 |               |          |

 Type of Water Quality Meter: myron  
 Purge Observations: turbid  
 Purge Water Containerized: NO

## EQUIPMENT DOCUMENTATION

- Submersible Pump
- PVC Bailer
- Surge Block
- Other \_\_\_\_\_

Approximate Recharge Rate: \_\_\_\_\_

 Total Gallons Removed: 15

 Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

 Signature: C. Bok  
 Checked By: LG

# Well Development Field Record



Project Name: Orchard-Whitney  
 Well ID: MW-29  
 Logged by: L. Greyer

Development Date: 7/23/15  
 Installation Date: 7/22/15

Job # 4216-06  
 Start Time: 11:30  
 End Time: 12:50

Initial Depth to Water: 8.10  
 Final Depth to Water: 10.05  
 Screen Length: 10'  
 Well Volume: 4.2 gals

Measurement Point: \_\_\_\_\_  
 Well Depth before: 16.60  
 Well Depth after: 16.78  
 Sediment Depth Removed: \_\_\_\_\_

Well Diameter: 2"  
 Well Integrity:  
 Cap   
 Casing   
 Locked   
 Collar

(2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth)

Protective casing stick-up: \_\_\_\_\_ Casing/Well difference: \_\_\_\_\_

## WATER QUALITY PARAMETERS

| Time  | Volume Purged (gals) | Purge Rate (gals/min) | Temp. (deg. C) | pH (units) | Dissolved O2 (mg/L) | Turbidity (NTU) | Cond. (mS/cm) | Comments |
|-------|----------------------|-----------------------|----------------|------------|---------------------|-----------------|---------------|----------|
| 12:50 | 12                   |                       | 25.2           | 7.61       |                     |                 | 4.31          |          |
|       |                      |                       |                |            |                     |                 |               |          |
|       |                      |                       |                |            |                     |                 |               |          |
|       |                      |                       |                |            |                     |                 |               |          |
|       |                      |                       |                |            |                     |                 |               |          |

Type of Water Quality Meter: myron  
 Purge Observations: Turbidity no color, well went dry 2x  
 Purge Water Containerized: NO

## EQUIPMENT DOCUMENTATION

- Submersible Pump
- PVC Bailer
- Surge Block
- Other \_\_\_\_\_

Approximate Recharge Rate: \_\_\_\_\_  
 Total Gallons Removed: 12

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: Laura M Greyer  
 Checked By: L.G

# Well Development Field Record



Project Name: Orchard-Whitney  
 Well ID: MW-22  
 Logged by: C. Both

Development Date: 7/23/13  
 Installation Date: \_\_\_\_\_

Job # 4216-06  
 Start Time: 10:00  
 End Time: 9:00 11:00

Initial Depth to Water: 5.45  
 Final Depth to Water: 5.90  
 Screen Length: \_\_\_\_\_  
 Well Volume: 4.86 gals

Measurement Point: \_\_\_\_\_  
 Well Depth before: \_\_\_\_\_  
 Well Depth after: 15.40  
 Sediment Depth Removed: \_\_\_\_\_

Well Diameter: 2"  
 Well Integrity: \_\_\_\_\_  
 Cap \_\_\_\_\_  
 Casing   
 Locked \_\_\_\_\_  
 Collar \_\_\_\_\_

(2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth)

Protective casing stick-up: \_\_\_\_\_ Casing/Well difference: \_\_\_\_\_

## WATER QUALITY PARAMETERS

| Time         | Volume Purged (gals) | Purge Rate (gals/min) | Temp. (deg. C) | pH (units)  | Dissolved O2 (mg/L) | Turbidity (NTU) | Cond. (mS/cm) | Comments |
|--------------|----------------------|-----------------------|----------------|-------------|---------------------|-----------------|---------------|----------|
| <u>11:00</u> | <u>12</u>            |                       | <u>15.8</u>    | <u>7.53</u> |                     |                 | <u>0.94</u>   |          |
|              |                      |                       |                |             |                     |                 |               |          |
|              |                      |                       |                |             |                     |                 |               |          |
|              |                      |                       |                |             |                     |                 |               |          |
|              |                      |                       |                |             |                     |                 |               |          |

Type of Water Quality Meter: myron  
 Purge Observations: \_\_\_\_\_  
 Purge Water Containerized: NO

## EQUIPMENT DOCUMENTATION

- Submersible Pump
- PVC Bailer
- Surge Block
- Other \_\_\_\_\_

Approximate Recharge Rate: \_\_\_\_\_  
 Total Gallons Removed: 12

Notes: well needs a cap.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature: C. Both  
 Checked By: L.G.

## Appendix J – Groundwater Sampling Field Record

---

## Groundwater Sampling Field Record

 Project Name Oakland-Whitney  
 Location ID MW-26  
 Activity Time 9:30

 Field Sample ID MW-26-072415  
 Sample Time 10:20

 Job # 4216-06  
 Sampling Event # 01  
 Date 7/24/15

### SAMPLING NOTES

 Initial Depth to Water 7.86 feet      Measurement Point TOR  
 Final Depth to Water 9.06 feet      Well Depth 16.88 feet  
 Screen Length \_\_\_\_\_ feet      Pump Intake Depth \_\_\_\_\_  
 Total Volume Purged 4.5 gallons      PID Well Head \_\_\_\_\_

 Well Diameter 2"  
 Well Integrity:  
 Cap   
 Casing   
 Locked   
 Collar 

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

### PURGE DATA

| Time  | Depth to Water (ft) | Purge Rate (ml/min) | Temp. (deg. C) | pH (units) | Dissolved O2 (mg/L) | Turbidity (NTU) | Cond. (mS/cm) | ORP (mV) | Comments |
|-------|---------------------|---------------------|----------------|------------|---------------------|-----------------|---------------|----------|----------|
| 10:15 |                     |                     | 12.5           | 7.88       | 7.65                | 747             | 7.02          | 82       |          |
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 Purge Observations: forbid  
 Purge Water Containerized: NO

### EQUIPMENT DOCUMENTATION

 Type of Pump: Barler  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: Horiba U-22; LaMotte 2020

 Calibrated: yes

### ANALYTICAL PARAMETERS

| Parameter | Volumes   | Sample Collected   |
|-----------|-----------|--------------------|
| VOCs      | 3 x 40 ml | <u>yes 7/24/15</u> |
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### LOCATION NOTES

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 Signature: Laura K. Speer  
 Checked By: LG

# Low Flow Groundwater Sampling Field Record

Project Name Orchard - Whitney Job # 4216-06  
 Location ID MW-27 Field Sample ID MW-27-072415 Sampling Event # 01  
 Activity Time 7:40 7:50 Sample Time 9:30 Date 7/24/15

**SAMPLING NOTES**

Initial Depth to Water 16.45 feet Measurement Point TOR Well Diameter 2"  
 Final Depth to Water 81.25 feet Well Depth 33.54 feet Well Integrity:  
 Screen Length \_\_\_\_\_ feet Pump Intake Depth \_\_\_\_\_ Cap   
 Total Volume Purged 28.3 gallons PID Well Head \_\_\_\_\_ Casing   
[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter] Locked   
Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth Collar

**PURGE DATA**

| Time | Depth to Water (ft) | Purge Rate (ml/min) | Temp. (deg. C) | pH (units) | Dissolved O2 (mg/L) | Turbidity (NTU) | Cond. (mS/cm) | ORP (mV) | Comments |
|------|---------------------|---------------------|----------------|------------|---------------------|-----------------|---------------|----------|----------|
| 9:20 |                     |                     | 14.6           | 7.52       | 2.32                | 859             | 1.01          | -23.5    |          |
|      |                     |                     |                |            |                     |                 |               |          |          |
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Purge Observations: turbid  
Purge Water Containerized: NO

**EQUIPMENT DOCUMENTATION**

Type of Pump: Bailer  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: Horiba U-22; LaMotte 2020 Calibrated: yes

**ANALYTICAL PARAMETERS**

| Parameter | Volumes   | Sample Collected |
|-----------|-----------|------------------|
| VOCs      | 3 x 40 ml | 7/24/15          |
|           |           |                  |
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**LOCATION NOTES**

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Signature: C. Bok  
 Checked By: LG



# Low Flow Groundwater Sampling Field Record

Project Name Orchard-Whitney  
 Location ID MW-28  
 Activity Time 9:15

Field Sample ID MW-28 072415  
 Sample Time 10:00

Job # 4216-06  
 Sampling Event # 01  
 Date 7/24/15

## SAMPLING NOTES

Initial Depth to Water 13.8 feet      Measurement Point TOR  
 Final Depth to Water 16.9 feet      Well Depth 18.0 feet  
 Screen Length \_\_\_\_\_ feet      Pump Intake Depth \_\_\_\_\_  
 Total Volume Purged 2.06 gallons      PID Well Head \_\_\_\_\_

Well Diameter 2"  
 Well Integrity: \_\_\_\_\_  
 Cap   
 Casing   
 Locked   
 Collar

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]  
 Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

## PURGE DATA

| Time  | Depth to Water (ft) | Purge Rate (ml/min) | Temp. (deg. C) | pH (units) | Dissolved O2 (mg/L) | Turbidity (NTU) | Cond. (mS/cm) | ORP (mV) | Comments |
|-------|---------------------|---------------------|----------------|------------|---------------------|-----------------|---------------|----------|----------|
| 10:00 |                     |                     | 16.7           | 7.68       | 8.85                | 1387            | 1.07          | 16.6     |          |
|       |                     |                     |                |            |                     |                 |               |          |          |
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Purge Observations: turbid  
 Purge Water Containerized: NO

## EQUIPMENT DOCUMENTATION

Type of Pump: Bailer  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: Horiba U-22; LaMotte 2020

Calibrated: yes

## ANALYTICAL PARAMETERS

Parameter      Volumes      Sample Collected  
 VOCs            3 x 40 ml      yes, 7/24/15

## LOCATION NOTES

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Signature: C. Beck  
 Checked By: LG

# Groundwater Sampling Field Record

 Project Name Orchard-Whitney  
 Location ID MW-29  
 Activity Time 9:00

 Field Sample ID MW-29-072-415  
 Sample Time 9:50

 Job # 4216-06  
 Sampling Event # 01  
 Date 7/24/15

### SAMPLING NOTES

 Initial Depth to Water 6.75 feet  
 Final Depth to Water 7.56 feet  
 Screen Length \_\_\_\_\_ feet  
 Total Volume Purged 1.5 gallons

 Measurement Point TOR  
 Well Depth 16.78 feet  
 Pump Intake Depth \_\_\_\_\_  
 PID Well Head \_\_\_\_\_

 Well Diameter 2"  
 Well Integrity: \_\_\_\_\_  
 Cap   
 Casing   
 Locked   
 Collar 

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

### PURGE DATA

| Time | Depth to Water (ft) | Purge Rate (ml/min) | Temp. (deg. C) | pH (units) | Dissolved O2 (mg/L) | Turbidity (NTU) | Cond. (mS/cm) | ORP (mV)            | Comments |
|------|---------------------|---------------------|----------------|------------|---------------------|-----------------|---------------|---------------------|----------|
| 9:45 |                     |                     | 14.4           | 7.41       | 13.20               | 3203            | 2.1           | <del>7.56</del> 132 |          |
|      |                     |                     |                |            |                     |                 |               |                     |          |
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 Purge Observations: turbid, no odor  
 Purge Water Containerized: NO

### EQUIPMENT DOCUMENTATION

 Type of Pump: Boyer  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: Horiba U-22; LaMotte 2020

 Calibrated: yes

### ANALYTICAL PARAMETERS

| Parameter | Volumes   | Sample Collected |
|-----------|-----------|------------------|
| VOCs      | 3 x 40 ml | yes, 7/24/15     |
|           |           |                  |
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### LOCATION NOTES

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 Signature: Laura K. Huggins  
 Checked By: LG

# Low Flow Groundwater Sampling Field Record

Project Name Orchard-Whitney  
 Location ID MW-16  
 Activity Time 10:00

Field Sample ID MW-16-078415  
 Sample Time 11:00

Job # 41216-06  
 Sampling Event # 01  
 Date 7/24/15

### SAMPLING NOTES

Initial Depth to Water 7.4 feet  
 Final Depth to Water 9.7 feet  
 Screen Length \_\_\_\_\_ feet  
 Total Volume Purged ~6.8 gallons  
 Measurement Point TOR  
 Well Depth 21.4 feet  
 Pump Intake Depth \_\_\_\_\_  
 PID Well Head \_\_\_\_\_

Well Diameter 2"  
 Well Integrity:  
 Cap   
 Casing   
 Locked   
 Collar

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]  
 Volume of Water in casing – 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

### PURGE DATA

| Time  | Depth to Water (ft) | Purge Rate (ml/min) | Temp. (deg. C) | pH (units) | Dissolved O2 (mg/L) | Turbidity (NTU) | Cond. (mS/cm) | ORP (mV) | Comments |
|-------|---------------------|---------------------|----------------|------------|---------------------|-----------------|---------------|----------|----------|
| 10:50 |                     |                     | 16.8           | 6.98       | 5.78                |                 | 155           | -32.2    |          |
|       |                     |                     |                |            |                     |                 |               |          |          |
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Purge Observations: \_\_\_\_\_  
 Purge Water Containerized: NO

### EQUIPMENT DOCUMENTATION

Type of Pump: Boiler  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: Horiba U-22; LaMotte 2020

Calibrated: YES

### ANALYTICAL PARAMETERS

| Parameter | Volumes   | Sample Collected |
|-----------|-----------|------------------|
| VOCs      | 3 x 40 ml | 7/24/15          |
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### LOCATION NOTES

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Signature: C. Book  
 Checked By: LG

## Groundwater Sampling Field Record

 Project Name Ordoon-Whitney  
 Location ID MW-23  
 Activity Time 10:15 - Gregor

 Field Sample ID MW-23-042415  
 Sample Time 11:00

 Job # 4216-06  
 Sampling Event # 01  
 Date 7/24/15

### SAMPLING NOTES

 Initial Depth to Water 9.60 feet      Measurement Point TOR  
 Final Depth to Water 11.22 feet      Well Depth 21.00 feet  
 Screen Length \_\_\_\_\_ feet      Pump Intake Depth \_\_\_\_\_  
 Total Volume Purged ~5.5 gallons      PID Well Head \_\_\_\_\_

 Well Diameter 2"  
 Well Integrity: \_\_\_\_\_  
 Cap   
 Casing   
 Locked \_\_\_\_\_  
 Collar \_\_\_\_\_

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

### PURGE DATA

| Time  | Depth to Water (ft) | Purge Rate (ml/min) | Temp. (deg. C) | pH (units) | Dissolved O2 (mg/L) | Turbidity (NTU) | Cond. (mS/cm) | ORP (mV) | Comments |
|-------|---------------------|---------------------|----------------|------------|---------------------|-----------------|---------------|----------|----------|
| 10:50 |                     |                     | 19.1           | 7.7        | 3.70                | overrange       | 1.07          | 14       |          |
|       |                     |                     |                |            |                     |                 |               |          |          |
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|       |                     |                     |                |            |                     |                 |               |          |          |

 Purge Observations: turbid, no odor  
 Purge Water Containerized: NO

### EQUIPMENT DOCUMENTATION

 Type of Pump: Bailer  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: Horiba U-22; LaMotte 2020

 Calibrated: yes

### ANALYTICAL PARAMETERS

| Parameter | Volumes   | Sample Collected |
|-----------|-----------|------------------|
| VOCs      | 3 x 40 ml | yes              |
|           |           |                  |
|           |           |                  |
|           |           |                  |
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### LOCATION NOTES

MISSING cap, not locked  
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 Signature: Laura P. Meyer  
 Checked By: L.G.

# Low Flow Groundwater Sampling Field Record

Project Name Orchard-Whitney  
 Location ID MW-22  
 Activity Time 7:45

Field Sample ID MW-22-072415  
 Sample Time 10:30

Job # 4216-06  
 Sampling Event # 01  
 Date 7/24/15

### SAMPLING NOTES

Initial Depth to Water 5.40 feet      Measurement Point TOR  
 Final Depth to Water 5.90 feet      Well Depth 15.40 feet  
 Screen Length \_\_\_\_\_ feet      Pump Intake Depth \_\_\_\_\_  
 Total Volume Purged 15 gallons      PID Well Head \_\_\_\_\_

Well Diameter 3"  
 Well Integrity: \_\_\_\_\_  
 Cap missing  
 Casing   
 Locked NO  
 Collar \_\_\_\_\_

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]  
 Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

### PURGE DATA

| Time  | Depth to Water (ft) | Purge Rate (ml/min) | Temp. (deg. C) | pH (units) | Dissolved O2 (mg/L) | Turbidity (NTU) | Cond. (mS/cm) | ORP (mV) | Comments |
|-------|---------------------|---------------------|----------------|------------|---------------------|-----------------|---------------|----------|----------|
| 10:20 |                     |                     | 15.8           | 7.53       | 10.26               |                 | 0.94          | 56.3     |          |
|       |                     |                     |                |            |                     |                 |               |          |          |
|       |                     |                     |                |            |                     |                 |               |          |          |
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Purge Observations: \_\_\_\_\_  
 Purge Water Containerized: NO

### EQUIPMENT DOCUMENTATION

Type of Pump: Boiler  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: Horiba U-22; LaMotte 2020

Calibrated: yes

### ANALYTICAL PARAMETERS

| Parameter | Volumes   | Sample Collected |
|-----------|-----------|------------------|
| VOCs      | 3 x 40 ml | 7/24/15          |
|           |           |                  |
|           |           |                  |
|           |           |                  |
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### LOCATION NOTES

well was damaged (cap missing, no lock)

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Signature: Laura M. Kugler  
 Checked By: LG

# Groundwater Sampling Field Record

 Project Name Orchard-Whitney  
 Location ID MW-26  
 Activity Time 7:30

 Field Sample ID MW-26-072815  
 Sample Time 8:00

 Job # 4216-06  
 Sampling Event # 01  
 Date 7/28/15

### SAMPLING NOTES

 Initial Depth to Water 7.95 feet      Measurement Point TOR  
 Final Depth to Water 9.00 feet      Well Depth 16.88 feet  
 Screen Length \_\_\_\_\_ feet      Pump Intake Depth \_\_\_\_\_  
 Total Volume Purged 24.4 gallons      PID Well Head \_\_\_\_\_

 Well Diameter 2"  
 Well Integrity:   
 Cap   
 Casing   
 Locked   
 Collar 

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

### PURGE DATA

| Time | Depth to Water (ft) | Purge Rate (ml/min) | Temp. (deg. C) | pH (units) | Dissolved O2 (mg/L) | Turbidity (NTU) | Cond. (mS/cm) | ORP (mV) | Comments |
|------|---------------------|---------------------|----------------|------------|---------------------|-----------------|---------------|----------|----------|
| 8:50 |                     |                     | 12.0           | 7.51       | 7.33                | 178             | 0.76          | 79.3     |          |
|      |                     |                     |                |            |                     |                 |               |          |          |
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 Purge Observations: \_\_\_\_\_  
 Purge Water Containerized: NO

### EQUIPMENT DOCUMENTATION

 Type of Pump: Peristaltic  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: Horiba U-22; LaMotte 2020

 Calibrated: yes

### ANALYTICAL PARAMETERS

| Parameter | Volumes   | Sample Collected |
|-----------|-----------|------------------|
| VOCs      | 3 x 40 ml | yes, 7/24/15     |
| Metals    | 40 ml     | yes, 7/28/15     |
| PCBs      | 2-1/2L    | yes, 7/28/15     |

### LOCATION NOTES

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 Signature: C. Beck  
 Checked By: LG

# Groundwater Sampling Field Record



Project Name Orchard-Whitney  
 Location ID MW-27  
 Activity Time 8:45

Field Sample ID MW-27-072815  
 Sample Time 9:00-9:30

Job # 4216-06  
 Sampling Event # 01  
 Date 7/28/15

**SAMPLING NOTES**

Initial Depth to Water 16.65 feet     Measurement Point TOR  
 Final Depth to Water 16.85 feet     Well Depth 33.65 feet  
 Screen Length \_\_\_\_\_ feet     Pump Intake Depth \_\_\_\_\_  
 Total Volume Purged 8.31 gallons     PID Well Head \_\_\_\_\_

Well Diameter 2"  
 Well Integrity:  
 Cap   
 Casing   
 Locked   
 Collar

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]  
 Volume of Water in casing – 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

**PURGE DATA**

| Time                 | Depth to Water (ft) | Purge Rate (ml/min) | Temp. (deg. C) | pH (units) | Dissolved O2 (mg/L) | Turbidity (NTU) | Cond. (mS/cm) | ORP (mV) | Comments |
|----------------------|---------------------|---------------------|----------------|------------|---------------------|-----------------|---------------|----------|----------|
| <del>9:00</del> 9:30 |                     |                     | 17.1           | 7.77       | 15.29               | 28              | 0.018         | 98.7     |          |
|                      |                     |                     |                |            |                     |                 |               |          |          |
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Purge Observations: \_\_\_\_\_  
 Purge Water Containerized: NO

**EQUIPMENT DOCUMENTATION**

Type of Pump: Bailer  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: Horiba U-22; LaMotte 2020

Calibrated: yes

**ANALYTICAL PARAMETERS**

| Parameter | Volumes   | Sample Collected |
|-----------|-----------|------------------|
| VOCs      | 3 x 40 ml | yes 7/24/15      |
| Metals    | 40 ml     | yes 7/28/15      |
| PCBs      | 2-1/2L    | yes 7/28/15      |
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**LOCATION NOTES**

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Signature: C. Bok  
 Checked By: L.G.

# Groundwater Sampling Field Record

 Project Name Orchard-Whitney  
 Location ID MW-28  
 Activity Time 8:15

 Field Sample ID MW-28-072815  
 Sample Time 10:15

 Job # 4216-06  
 Sampling Event # 01  
 Date 7/28/15

### SAMPLING NOTES

 Initial Depth to Water 7.40 feet  
 Final Depth to Water 12.59 feet  
 Screen Length \_\_\_\_\_ feet  
 Total Volume Purged 5.2 gallons  
 Measurement Point TOR  
 Well Depth 18.00 feet  
 Pump Intake Depth \_\_\_\_\_  
 PID Well Head \_\_\_\_\_

 Well Diameter 2"  
 Well Integrity:  
 Cap   
 Casing   
 Locked   
 Collar 

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

### PURGE DATA

| Time  | Depth to Water (ft) | Purge Rate (ml/min) | Temp. (deg. C) | pH (units) | Dissolved O2 (mg/L) | Turbidity (NTU) | Cond. (mS/cm) | ORP (mV) | Comments |
|-------|---------------------|---------------------|----------------|------------|---------------------|-----------------|---------------|----------|----------|
| 10:10 |                     | <del>17.2</del>     | 17.2           | 7.29       | 8.77                | 1339            | 1.19          | 96.7     |          |
|       |                     |                     |                |            |                     |                 |               |          |          |
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 Purge Observations: Turbid, no odor. Well went dry 2x during purging  
 Purge Water Containerized: NO

### EQUIPMENT DOCUMENTATION

 Type of Pump: N/A. Trailer  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: Horiba U-22; LaMotte 2020

 Calibrated: yes

### ANALYTICAL PARAMETERS

| Parameter | Volumes | Sample Collected  |
|-----------|---------|-------------------|
| VOCs      | 3x40 ml | Collected 7/24/15 |
| Metals    | 40 ml   | yes 7/28/15       |
| PCBs      | 2-126   | yes 7/28/15       |
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### LOCATION NOTES

 Signature: Laura P. Meyer  
 Checked By: LG

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## Groundwater Sampling Field Record

 Project Name Orchard-Whitney  
 Location ID MW-29  
 Activity Time 9:10

 Field Sample ID MW-29-072815  
 Sample Time 9:45

 Job # 4216-06  
 Sampling Event # 01  
 Date 7/28/15

### SAMPLING NOTES

 Initial Depth to Water 7.96 feet  
 Final Depth to Water 14.05 feet  
 Screen Length \_\_\_\_\_ feet  
 Total Volume Purged 4.2 gallons  
 Measurement Point TOR  
 Well Depth 16.75 feet  
 Pump Intake Depth \_\_\_\_\_  
 PID Well Head \_\_\_\_\_

 Well Diameter 2"  
 Well Integrity:  
 Cap   
 Casing   
 Locked   
 Collar 

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

### PURGE DATA

| Time | Depth to Water (ft) | Purge Rate (ml/min) | Temp. (deg. C) | pH (units) | Dissolved O2 (mg/L) | Turbidity (NTU) | Cond. (mS/cm) | ORP (mV) | Comments |
|------|---------------------|---------------------|----------------|------------|---------------------|-----------------|---------------|----------|----------|
| 9:35 |                     |                     | 16.4           | 7.24       | 9.28                | 104             | 2.20          | 99.2     |          |
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 Purge Observations: Turbid, no odor. Well was dry 2 times during purging.  
 Purge Water Containerized: NO

### EQUIPMENT DOCUMENTATION

 Type of Pump: ~~Peristaltic~~ N/A, Bailor  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: Horiba U-22; LaMotte 2020

 Calibrated: yes

### ANALYTICAL PARAMETERS

| Parameter | Volumes        | Sample Collected         |
|-----------|----------------|--------------------------|
| VOCs      | <u>3x40 ml</u> | <u>collected 7/24/15</u> |
| Metals    | <u>40 ml</u>   | <u>yes 7/28/15</u>       |
| PCBs      | <u>2-1/2 L</u> | <u>yes 7/28/15</u>       |

### LOCATION NOTES

 Signature: Laura R. Murray  
 Checked By: L.G.

### Groundwater Sampling Field Record

 Project Name Orchard-Whitney  
 Location ID MW-16  
 Activity Time 10:25

 Field Sample ID MW-16-072815  
 Sample Time 11:00

 Job # 4216-06  
 Sampling Event # 01  
 Date 7/28/15

#### SAMPLING NOTES

 Initial Depth to Water 7.5 feet  
 Final Depth to Water 7.8 feet  
 Screen Length \_\_\_\_\_ feet  
 Total Volume Purged 6.8 gallons

 Measurement Point TOR  
 Well Depth 21.45 feet  
 Pump Intake Depth \_\_\_\_\_  
 PID Well Head \_\_\_\_\_

 Well Diameter 2"  
 Well Integrity:  
 Cap   
 Casing   
 Locked   
 Collar 

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing – 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

#### PURGE DATA

| Time  | Depth to Water (ft) | Purge Rate (ml/min) | Temp. (deg. C) | pH (units) | Dissolved O2 (mg/L) | Turbidity (NTU) | Cond. (mS/cm) | ORP (mV) | Comments |
|-------|---------------------|---------------------|----------------|------------|---------------------|-----------------|---------------|----------|----------|
| 11:00 |                     |                     | 19.2           | 7.15       | 4.63                | 24              | 1.49          | -6.0     |          |
|       |                     |                     |                |            |                     |                 |               |          |          |
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 Purge Observations: \_\_\_\_\_  
 Purge Water Containerized: NO

#### EQUIPMENT DOCUMENTATION

 Type of Pump: Boiler  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: Horiba U-22; LaMotte 2020

 Calibrated: Yes

#### ANALYTICAL PARAMETERS

| Parameter | Volumes   | Sample Collected  |
|-----------|-----------|-------------------|
| VOCs      | 3 x 40 ml | collected 7/24/15 |
| Metals    | 40 ml     | 7/25/15           |
| PCBs      | 2-1/2L    | 7/28/15           |

#### LOCATION NOTES

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 Signature: C. Bok  
 Checked By: LG

## Groundwater Sampling Field Record

 Project Name Orchard-Whitney  
 Location ID MW-23  
 Activity Time 11/15

 Field Sample ID MW-23\_072815  
 Sample Time 12:10

 Job # 4216-06  
 Sampling Event # 01  
 Date 7/28/15

### SAMPLING NOTES

 Initial Depth to Water 9.35 feet  
 Final Depth to Water 12.80 feet  
 Screen Length \_\_\_\_\_ feet  
 Total Volume Purged 45.6 gallons  
 Measurement Point TOR  
 Well Depth 21.00 feet  
 Pump Intake Depth \_\_\_\_\_  
 PID Well Head \_\_\_\_\_

 Well Diameter 2"  
 Well Integrity: \_\_\_\_\_  
 Cap   
 Casing   
 Locked \_\_\_\_\_  
 Collar \_\_\_\_\_

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing – 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

### PURGE DATA

| Time         | Depth to Water (ft) | Purge Rate (ml/min) | Temp. (deg. C) | pH (units)  | Dissolved O2 (mg/L) | Turbidity (NTU) | Cond. (mS/cm) | ORP (mV)    | Comments |
|--------------|---------------------|---------------------|----------------|-------------|---------------------|-----------------|---------------|-------------|----------|
| <u>12:10</u> |                     |                     | <u>21.4</u>    | <u>7.61</u> | <u>4.92</u>         | <u>1284</u>     | <u>0.99</u>   | <u>11.8</u> |          |
|              |                     |                     |                |             |                     |                 |               |             |          |
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 Purge Observations: Turbid, no odor  
 Purge Water Containerized: NO

### EQUIPMENT DOCUMENTATION

 Type of Pump: N/A, Boiler  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: Horiba U-22; LaMotte 2020

 Calibrated: yes

### ANALYTICAL PARAMETERS

| Parameter | Volumes         | Sample Collected         |
|-----------|-----------------|--------------------------|
| VOCs      | <u>3x40 ml.</u> | <u>Collected 7/24/15</u> |
| Metals    | <u>40 ml.</u>   | <u>yes 7/28/15</u>       |
| PCBs      | <u>2-1/2 L</u>  | <u>yes 7/28/15</u>       |

### LOCATION NOTES

 Signature: Laura K. Gregor  
 Checked By: LG

**Groundwater Sampling  
Field Record**

Project Name Orchard-Whitney  
 Location ID MW-22  
 Activity Time 11:15

Field Sample ID MW-22-072815  
 Sample Time 11:45

Job # 4216-06  
 Sampling Event # 01  
 Date 7/28/15

**SAMPLING NOTES**

Initial Depth to Water 5.70 feet  
 Final Depth to Water 7.10 feet  
 Screen Length \_\_\_\_\_ feet  
 Total Volume Purged 247 gallons

Measurement Point TOR  
 Well Depth 15.35 feet  
 Pump Intake Depth \_\_\_\_\_  
 PID Well Head \_\_\_\_\_

Well Diameter 2"  
 Well Integrity: \_\_\_\_\_  
 Cap \_\_\_\_\_  
 Casing   
 Locked \_\_\_\_\_  
 Collar \_\_\_\_\_

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]

Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth

**PURGE DATA**

| Time  | Depth to Water (ft) | Purge Rate (ml/min) | Temp. (deg. C) | pH (units) | Dissolved O2 (mg/L) | Turbidity (NTU) | Cond. (mS/cm) | ORP (mV) | Comments |
|-------|---------------------|---------------------|----------------|------------|---------------------|-----------------|---------------|----------|----------|
| 11:40 |                     |                     | 12.19          | 7.78       | 8.77                | 42              | 1.00          | 30.2     |          |
|       |                     |                     |                |            |                     |                 |               |          |          |
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Purge Observations: \_\_\_\_\_  
 Purge Water Containerized: NO

**EQUIPMENT DOCUMENTATION**

Type of Pump: Bailer  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: Horiba U-22; LaMotte 2020

Calibrated: yes

**ANALYTICAL PARAMETERS**

| Parameter | Volumes   | Sample Collected |
|-----------|-----------|------------------|
| VOCs      | 3 x 40 ml | yes 7/24/15      |
| Metals    | 40 ml     | yes 7/28/15      |
| PCBs      | 2-12 L    | yes 7/28/15      |
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|           |           |                  |
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**LOCATION NOTES**

well was damaged  
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Signature: L. Bok  
 Checked By: LG

## Appendix K – Data Usability Summary Report

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# Data Usability Summary Report

Vali-Data of WNY, LLC  
1514 Davis Rd.  
West Falls, NY 14170

Orchard Whitney Site  
Paradigm Environmental Services, Inc. SDG#4334-01  
December 3, 2015  
Sampling date: 10/12-15/2015

Prepared by:  
Jodi Zimmerman  
Vali-Data of WNY, LLC  
1514 Davis Rd.  
West Falls, NY 14170

Orchard Whitney Site  
SDG# 4334-01

## **DELIVERABLES**

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Lu Engineers, project located at Orchard Whitney, Lab Project #1504334-4358-4368, Paradigm Environmental Services, Inc. SDG#4334-01 submitted to Vali-Data of WNY, LLC on December 2, 2015. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Inorganics (6010C) and Mercury (7471B).

The data was not reported down to the Method Detection Limits (MDLs).

## **VOLATILE ORGANIC COMPOUNDS**

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

## **OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES**

The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Method Blank, Compound Quantitation, Initial Calibration and Continuing Calibration.

## **DATA COMPLETENESS**

All criteria were met.

## **NARRATIVE AND DATA REPORTING FORMS**

All criteria were met.

Orchard Whitney Site

SDG# 4334-01

**CHAIN OF CUSTODY AND TRAFFIC REPORTS**

All criteria were met.

**HOLDING TIMES**

All holding times were met.

**INTERNAL STANDARD (IS)**

All criteria were met.

**SURROGATE SPIKE RECOVERIES**

All criteria were met except the %Rec of Pentafluorobenzene was outside QC limits, low in sample OW-BOT-01-101215. Associated target analytes should be qualified as estimated in this sample.

**METHOD BLANK**

All criteria were met except Acetone and Methylene Chloride in BLK10/15 were detected above the MDL, below the reporting limit and should be qualified as estimated. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.

**FIELD DUPLICATE SAMPLE PRECISION**

No field duplicate was acquired.

**LABORATORY CONTROL SAMPLES**

All criteria were met.

**MS/MSD**

No MS/MSD was performed on these samples.

**COMPOUND QUANTITATION**

All criteria were met except several target analytes were detected above the MDL, below the reporting limit and should be recorded as detected and qualified as estimated in the samples.

**INITIAL CALIBRATION**

All criteria were met except the RRF of 1,4-Dioxane was outside outer ASP QC limits and should be qualified as estimated in the blanks, spikes and samples. The RRF of Trichloroethene was outside QC limits. ASP allows for up to two target analytes to be outside QC limits without further action.

Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

**CONTINUING CALIBRATION**

All criteria were met except the RRF of 1,4-Dioxane was outside outer ASP QC limits in the



continuing calibrations and should be qualified as estimated in the blanks, spikes and samples. The RRF of Trichloroethene was outside QC limits in the continuing calibrations. ASP allows for up to two target analytes to be outside QC limits without further action.

#### **GC/MS PERFORMANCE CHECK**

All criteria were met.

#### **METALS**

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Blanks
- Laboratory Control Sample
- MS
- Duplicate
- Field Duplicate
- Serial Dilution
- Compound Quantitation
- Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

#### **OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES**

The data are acceptable for use but are qualified below in Blanks, MS, Duplicate and Compound Quantitation.

#### **DATA COMPLETENESS**

All criteria were met.

#### **NARRATIVE AND DATA REPORTING FORMS**

All criteria were met except there were some typographical errors on the run log and prep log numbered Hg151015A. Updated pages are attached.

#### **CHAIN OF CUSTODY AND TRAFFIC REPORTS**

All criteria were met.

**HOLDING TIMES**

All holding times were met.

**BLANKS**

All criteria were met except Se in BLK10/14 and BLK10/15 was detected above the MDL, below the reporting limit and was qualified as estimated. Associated samples in which this target analyte was detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which this target analyte was detected above the reporting limit should be qualified as estimated high.

**LABORATORY CONTROL SAMPLE**

All criteria were met.

**MS**

All criteria were met except the %Rec of As, Cd, Cr, Pb, Se and Ag were outside QC limits, low in OW-BOT-04-101515MS and should be qualified as estimated in OW-BOT-04-101515 and OW-BOT-04-101515MS.

**DUPLICATE**

All criteria were met except the %D of As and Pb was outside QC limits in OW-SW-04-101415D and should be qualified as estimated in OW-SW-04-101415 and OW-SW-04-101415D.

**FIELD DUPLICATE**

No field duplicate was acquired.

**SERIAL DILUTION**

No Serial Dilution was performed.

**COMPOUND QUANTITATION**

All criteria were met except the concentrations of Hg in samples OW-BOT-03-101415 and OW-SW-04-101415 were not recorded correctly on the Form 1's in the original package. Updated pages are attached.

Cd was detected in OW-SW-01-101315 and OW-SW-02-101315 above the MDL, below the reporting limit and should be qualified as estimated.

**CALIBRATION**

All criteria were met.

## Appendix L – Health and Safety Plan

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# HEALTH AND SAFETY PLAN

## Supplemental Site Investigation Work Plan 415 Orchard Street

City of Rochester  
Environmental Restoration Project  
415 Orchard Street and 354 Whitney Street  
Monroe County, New York



Prepared For:

City of Rochester  
Department of Environmental Services  
Division of Environmental Quality  
30 Church Street  
Rochester, New York 14614

PREPARED BY:



Lu Engineers  
175 Sully's Trail  
Suite 202  
Pittsford, New York 14534

**May 2015**

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| SECTION E: EMERGENCY INFORMATION.....       | 9           |

### APPENDICES

|            |                                                    |
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| APPENDIX A | HEAT STRESS AND COLD EXPOSURE                      |
| APPENDIX B | ADDITIONAL POTENTIAL PHYSICAL AND CHEMICAL HAZARDS |
| APPENDIX C | HAZARD EVALUATION SHEETS / MSDS                    |
| APPENDIX D | EQUIPMENT CHECKLIST                                |

**LU ENGINEERS  
SITE SAFETY PLAN**

**A. GENERAL INFORMATION**

Project Title: Orchard/Whitney Site Lu Project No. 4216-06  
City of Rochester  
Environmental Restoration  
Supplemental Site Investigation

Project Manager: Gregory L. Andrus, CHMM Project Director: Robert Hutteman, P.E.

Location: 415 Orchard Street  
City of Rochester, Monroe County, New York

Prepared by: Ariadna Cheremeteff Date Prepared: May 2015  
Date Revised: \_\_\_\_\_

Approved by: \_\_\_\_\_ Date Approved: \_\_\_\_\_

Site Safety Officer Review: Susan Hilton Date Reviewed: \_\_\_\_\_

Scope/Objective of Work: Remedial Investigation of Site. The following tasks will be included:

- Task 1: Test Pit Excavations
- Task 2: Soil Borings
- Task 3: Subsurface Soil Sampling
- Task 4: Well Installations
- Task 5: Groundwater Sampling

Proposed Date of Field Activities: July 2015

Background Information:  Complete \* Preliminary (limited analytical data)  
\* Background information provided by NYSDEC and City of Rochester

Overall Chemical Hazard:  Serious  Moderate  
 Low  Unknown

Overall Physical Hazard:  Serious  Moderate  
 Low  Unknown

## B. SITE/WASTE CHARACTERISTICS

### Waste Type(s):

Liquid                       Solid                       Sludge                       Gas/Vapor

### Characteristic(s):

Flammable/Ignitable    Volatile                       Corrosive                       Acutely Toxic  
 Explosive (moderate)    Reactive                       Carcinogen                       Radioactive

Other: \_\_\_\_\_

### Physical Hazards:

Overhead                       Confined Space                       Below Grade                       Trip/Fall  
 Puncture                       Burn                       Cut                       Splash  
 Noise                       Other:                      Heat Stress

---

### Site History/Description and Unusual Features:

The Site has been used for various commercial and industrial uses since the early 1900s. From 1915 to 1922, the North East Electric Company operated on the Site. General Motors occupied the Site from 1930 to 1967. Industrial activities including the production of electrical equipment, heat treating, plating, coal storage, boiler operations, petroleum fuel storage and industrial wastewater treatment were performed on the Site.

After General Motors closed operations, other industrial operations took place at the Site including; metal finishing, synthetic foam production, printing, plastics manufacturing and warehousing. These operations took place at the Site until the early 1990s.

The Orchard/Whitney Site (Site) is located at 415 Orchard Street and 354 Whitney Street in the City of Rochester, New York (Figure 1). The Site has a combined area of 3.9 acres and is located near the intersection of Lyell Avenue and Broad Street. One multi-story structure of approximately 128,900 square feet, formerly located on Whitney Street, and was demolished in 2008. There was also one multi-story structure of approximately 371,600 square feet formerly located on Orchard Street and was demolished in 2015.

Previous environmental investigations have revealed that volatile organic compounds (VOCs), several metals, and semi-volatile organic compounds (SVOCs) have been detected in subsurface soils and groundwater above NYSDEC Soil Guidance Values on the Whitney Street parcel. Information on the Orchard Street parcel is limited. There are no local private wells in the area of the Site and the surrounding community is on public water and sewer service.

**Locations of Chemicals/Wastes:** Soil, sediment, surface water and/or groundwater.

**Estimated Volume of Chemicals/Wastes:** Unknown.

**Site Currently in Operation:**  Yes       No       Not Applicable



**C. HAZARD EVALUATION**

| <b>PHYSICAL HAZARD EVALUATION:</b> |                                                                                                                            |                                                                                                                                                                                                                                                                                        |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>TASK</b>                        | <b>HAZARD(S)</b>                                                                                                           | <b>HAZARD PREVENTION</b>                                                                                                                                                                                                                                                               |
| Task 1 - 5                         | Contact with or inhalation of contaminants, potentially in high concentration in sampling media and/or fire and explosion. | To minimize exposure to chemical contaminants, a thorough review of suspected contaminants should be completed and implementation of an adequate protection program. Under-ground vaults to be ventilated during inspections. Field safety equipment will be used to minimize hazards. |
| Task 1, 2, & 4                     | Standard Drilling Rig Hazards                                                                                              | Wear hard hat, keep back from drilling operations, only driller and helper are to be in "drilling zone"                                                                                                                                                                                |
| Task 1 - 5                         | Drum opening/sampling                                                                                                      | Proper protective equipment, drum opening techniques, equipment and the use of remote sampling when possible.                                                                                                                                                                          |
| Task 1 - 4                         | Overhead Hazards/ Falling Objects                                                                                          | <b>See Appendix B</b>                                                                                                                                                                                                                                                                  |
| Task 1 - 5                         | Back strain and muscle fatigue, ergonomic stress due to lifting.                                                           | Use proper lifting techniques and limit load to prevent back strain.                                                                                                                                                                                                                   |
| Task 1 - 5                         | Heat stress/ cold stress exposure.                                                                                         | Implement heat stress management techniques such as shifting work hours, increasing fluid intake, and monitoring employees. <b>See Appendix A.</b>                                                                                                                                     |
| Task 1 - 5                         | Slip/ tripping/ fall.                                                                                                      | Observe terrain and drilling equipment while walking to minimize slips and falls. Steel-toed boots provide additional support and stability. Use adequate lighting. Inspect Site and mark existing hazards.                                                                            |
| Task 1 - 5                         | Medical Waste (Sharps)                                                                                                     | Carefully observe terrain while walking and any on-Site materials before handling. Gloves should be worn for any contact with on-Site materials.                                                                                                                                       |
| Task 1 - 5                         | Noise                                                                                                                      | <b>See Appendix B</b>                                                                                                                                                                                                                                                                  |
| Task 1 - 5                         | Native wildlife presents the possibility of insect bites and associated diseases.                                          | Avoid wildlife when possible.                                                                                                                                                                                                                                                          |
| Task 1 - 5                         | Sunburn.                                                                                                                   | Apply sunscreen, wear appropriate clothing.                                                                                                                                                                                                                                            |
| Task 1, 2, & 4                     | Utility Lines.                                                                                                             | <b>See Appendix B</b>                                                                                                                                                                                                                                                                  |
| Task 1 - 5                         | Weather Extremes.                                                                                                          | Establish Site-specific contingencies for severe weather situations. Discontinue work in severe weather.                                                                                                                                                                               |

**Physical Hazard Evaluation:** Basic health and safety protection (steel-toed boots, work clothes, and safety glasses or goggles) will be worn by all personnel at all times. Any allergies should be reported to the Site Safety Officer prior to the start of the project.

#### D. SITE SAFETY WORK PLAN

**Site Control:** Site perimeter is fenced and gated, though continued evidence of vandalism suggests Site is not fully secure.

**Perimeter Identified?** [Y]                      **Site Secured?** [N]

**Work Areas Designated?** [Y]                      **Zone(s) of contamination identified?** [N]

**Anticipated Level of Protection (cross-reference task numbers in Section C):**

|          | <u>A</u> | <u>B</u> | <u>C</u>  | <u>D</u> |
|----------|----------|----------|-----------|----------|
| Task 1-5 |          |          | Available | X        |

All Site work will be performed at Level D (steel-toed boots, work clothes, eye protection, gloves and hard hats) unless monitoring indicates otherwise. Gloves will be worn if contact with Site soil, sediment or water is anticipated, due to concerns of PCB contamination. Level C will be available, and used when indicated by PID of 1 ppm or greater above ambient air.

See Appendices A, B and C for specific Site safety requirements.

**Air Monitoring:**

Lu Engineers will conduct air monitoring during the intrusive investigations. If action levels are exceeded during intrusive investigation, appropriate precautions will be taken.

**Action Levels:**

PID readings of 1 to 5 ppm above background at breathing zone and sustained for 1 minute,  
Action: Upgrade to Level C protection, continuous air monitoring.

PID readings of 5 to 300 ppm above background at breathing zone and sustained for 1 minute,  
Action: Upgrade to Level B protection, continuous air monitoring.

PID readings of >300 ppm above background at breathing zone and sustained for 1 minute,  
Action: Stop work, evacuate work zone and evaluate with continuous air monitoring.

O<sub>2</sub> readings must remain between 19.5% and 22.0%. Explosivity must be above 10% LEL. The area must be evacuated and ignition sources eliminated if levels are not within their standard. These atmosphere factors will be measured at a position that would give the earliest indication of a hazardous condition forming not at the breathing zone. Appropriate actions, initially evacuation of the immediate work area, will be taken if established action levels area exceeded.

If particulate levels exceed a level of 2.5 times background (upwind levels subtracted from downwind concentration) or a level of 150 mcg/m<sup>3</sup>, dust control measures will be initiated and the dust generating activity suspended until levels decrease below the action level. Perimeter monitoring will be conducted if the action level is obtained at the work area.

All air monitoring results as well as wind direction and speed (estimates) will be documented in the Site specific log book.

**Decontamination Solutions and Procedures for Equipment, Sampling Gear, etc.:**

Disposable sampling equipment will be used where possible. If decon is necessary, distilled or deionized water andalconox will be used. A 10% nitric acid rinse will be added if metals sampling is to be conducted.

**Personnel Decon Protocol:**

Personal protective clothing will be removed in a manner that will minimize the potential of contaminant to skin contact. Visible contamination will be removed from protective clothing prior to the individual doffing the articles. Soap, water and paper towels will be available for all personnel and will be used before eating, drinking or leaving the Site. Personnel will shower upon return to home or hotel. Disposable PPE will be double-bagged and disposed of as non-hazardous waste unless PCBs are detected. If PCBs are detected, the PPE will be disposed of accordingly.

**Decontamination Solution Monitoring Procedures, if Applicable:**

All decontamination procedures will take place in a well ventilated area. Decontamination solutions will be collected and sampled for proper disposal.

**Special Site Equipment, Facilities or Procedures**

**(Sanitary Facilities and Lighting Must Meet 29CFR 1910.120):**

All personnel will be required to maintain the Buddy System at all times. A portable toilet and potable water will be available on Site. All parties will be required to attend an on-Site briefing, which will identify the roles of each organization's personnel and will integrate emergency procedures for all Site participants.

**Site Entry Procedures and Special Considerations:**

Any confined spaces will be marked and access restricted. All overhead hazards should be marked, tripping/floor hazards should be marked and barricaded if necessary, other sharp edges, drop offs, flooded areas or hazardous debris appropriately identified. Electrical hazards should be identified if power is activated. Ventilation will be provided, to the extent necessary, to reduce hazardous atmospheres.

Entry to the Site should be limited through the Whitney Street gate. The gate should be closed and locked when not in use both when personnel are on or off-Site in order to restrict unauthorized individuals. The Buddy System should be employed at all times on-Site and entering and exiting the Site, along with the work zone areas.

**Work Limitations (time of day, weather conditions, etc.) and Heat/Cold Stress Requirements:**

All work will be completed during daylight hours. Severe inclement weather may be cause to suspend outdoor activities. Heat stress protocol will dictate work/rest regimen. Heavy equipment will not be used during electrical storms.

**General Spill Control, if Applicable:**

Absorbent material will be available to control spills during the collection of liquid samples (e.g. USTs, drums, floor drains, and sumps).

**Investigation Derived Material (i.e., Expendables, Decon Waste, Cuttings) Disposal:**

Investigation derived waste soils and water will be collected in drums and/or an on-Site tank and stored securely on-Site prior to being sampled for disposal. Expendables such as disposable sampling equipment, gloves and towels, will be bagged for disposal. Expendables that have contacted PCB-containing oils will be bagged separately and labeled for appropriate disposal.

**Sampling Handling Procedures Including Protective Wear:**

Samples collected from drums, sumps, USTs and floor drains will be handled with neoprene outer gloves prior to decontamination. At minimum nitrile surgical gloves will be worn while handling all other samples during labeling, documentation and packaging.

| <b>Team Member*</b>    | <b>Responsibility</b>      |
|------------------------|----------------------------|
| <u>Greg Andrus</u>     | <u>Field Team Leader</u>   |
| <u>Greg Andrus</u>     | <u>Site Safety Officer</u> |
| <u>Ari Cheremeteff</u> | <u>Team Member</u>         |
| <u>Casey Bok</u>       | <u>Team Member</u>         |
| <u>Laura Gregor</u>    | <u>Team Member</u>         |

\* All entries into the work zone require "Buddy System" use. All Lu Engineers' field staff participate in a medical monitoring program and have completed applicable training per 29CFR 1910.120. Respiratory protection program meets requirements of 29CFR 1910.134.

**E. EMERGENCY INFORMATION**

**LOCAL RESOURCES**

|                                                |                                                                                                  |
|------------------------------------------------|--------------------------------------------------------------------------------------------------|
| Ambulance:                                     | <u>911</u>                                                                                       |
| Hospital Emergency Room:                       | <u>Strong Memorial Hospital (585) 275-4551</u><br><u>601 Elmwood Avenue, Rochester, New York</u> |
| Poison Control Center:                         | <u>911</u>                                                                                       |
| Police (include local, county sheriff, state): | <u>911</u>                                                                                       |
| Fire Department:                               | <u>911</u>                                                                                       |
| Airport:                                       | <u>N/A</u>                                                                                       |
| Laboratory:                                    | <u>TBD</u>                                                                                       |
| UPS/Federal Express:                           | <u>N/A</u>                                                                                       |

**SITE RESOURCES**

|                                         |                                                        |
|-----------------------------------------|--------------------------------------------------------|
| Site Emergency Evaluation Alarm Method: | <u>Sound vehicle horn.</u>                             |
| Water Supply Source:                    | <u>Gallons of water will be available in vehicles.</u> |
| Telephone Location, Number:             | <u>None available</u>                                  |
| Cellular Phone, if Available:           | <u>TBD</u>                                             |
| Radio:                                  | <u>TBD</u>                                             |
| Other:                                  | <u>TBD</u>                                             |

### EMERGENCY CONTACTS

1. Fire/Police: 911
2. Lu Engineers, Safety Director: (585) 385-7417, Ext. 215 (office)
3. Lu Engineers, Greg Andrus: (585) 385-7417, Ext. 215 (office)

### EMERGENCY ROUTES

Note: Field team must know route(s) prior to start of work.

**Directions from the Site to Strong Memorial Hospital (map on following page):**

Turn right onto Whitney Street. Take a right onto Lyell Avenue. Turn right onto Broad Street (1 mile). Stay straight to go onto Ford Street. Turn slight right onto South Plymouth Avenue NY-383 (1.6 miles). Turn left on Elmwood Avenue, the hospital is at 601 Elmwood Avenue.

**On-Site Assembly Area:** At site entry point at Whitney Street Gate.

**Off-Site Assembly Area:** The intersection of Whitney Street and Lyell Avenue.

**Emergency egress routes to get off-Site:** N/A.

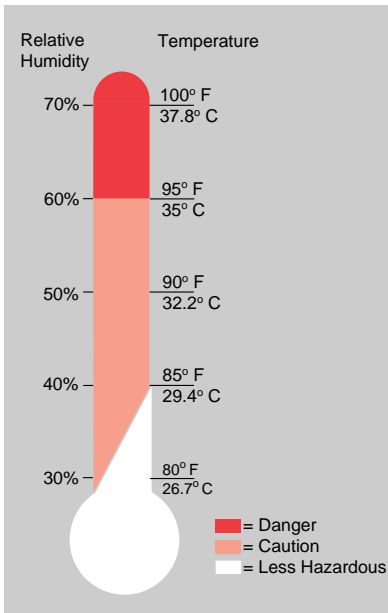
**APPENDIX A**

**HEAT STRESS EXPOSURE**

# THE HEAT EQUATION

**HIGH TEMPERATURE + HIGH HUMIDITY + PHYSICAL WORK  
= HEAT ILLNESS**

When the body is unable to cool itself through sweating, **serious** heat illnesses may occur. The most severe heat-induced illnesses are **heat exhaustion** and **heat stroke**. If actions are not taken to treat heat exhaustion, the illness could progress to heat stroke and possible **death**.





# HEAT EXHAUSTION

## *What Happens to the Body:*

HEADACHES, DIZZINESS/LIGHT HEADEDNESS, WEAKNESS, MOOD CHANGES (irritable, or confused/can't think straight), FEELING SICK TO YOUR STOMACH, VOMITING/THROWING UP, DECREASED and DARK COLORED URINE, FAINTING/PASSING OUT, and PALE CLAMMY SKIN.

## *What Should Be Done:*

- Move the person to a cool shaded area to rest. Don't leave the person alone. If the person is dizzy or light headed, lay them on their back and raise their legs about 6-8 inches. If the person is sick to their stomach lay them on their side.
- Loosen and remove any heavy clothing.
- Have the person drink some cool water (a small cup every 15 minutes) if they are not feeling sick to their stomach.
- Try to cool the person by fanning them. Cool the skin with a cool spray mist of water or wet cloth.
- If the person does not feel better in a few minutes call for emergency help (Ambulance or Call 911).

*(If heat exhaustion is not treated, the illness may advance to heat stroke.)*

## HEAT STROKE—A MEDICAL EMERGENCY

### *What Happens to the Body:*

DRY PALE SKIN (no sweating), HOT RED SKIN (looks like a sunburn), MOOD CHANGES (irritable, confused/not making any sense), SEIZURES/FITS, and COLLAPSE/PASSED OUT (will not respond).

### *What Should Be Done:*

- Call for emergency help (Ambulance or Call 911).
- Move the person to a cool shaded area. Don't leave the person alone. Lay them on their back and if the person is having seizures/fits remove any objects close to them so they won't strike against them. If the person is sick to their stomach lay them on their side.
- Remove any heavy and outer clothing.
- Have the person drink some cool water (a small cup every 15 minutes) if they are alert enough to drink anything and not feeling sick to their stomach.
- Try to cool the person by fanning them. Cool the skin with a cool spray mist of water, wet cloth, or wet sheet.
- If ice is available, place ice packs under the arm pits and groin area.

## **How to Protect Workers**

- Learn the signs and symptoms of heat-induced illnesses and what to do to help the worker.
- Train the workforce about heat-induced illnesses.
- Perform the heaviest work in the coolest part of the day.
- Slowly build up tolerance to the heat and the work activity (usually takes up to 2 weeks).
- Use the buddy system (work in pairs).
- Drink plenty of cool water (one small cup every 15-20 minutes)
- Wear light, loose-fitting, breathable (like cotton) clothing.
- Take frequent short breaks in cool shaded areas (allow your body to cool down).
- Avoid eating large meals before working in hot environments.
- Avoid caffeine and alcoholic beverages (these beverages make the body lose water and increase the risk for heat illnesses).

## **Workers Are at Increased Risk When**

- They take certain medication (check with your doctor, nurse, or pharmacy and ask if any medicines you are taking affect you when working in hot environments).
- They have had a heat-induced illness in the past.
- They wear personal protective equipment (like respirators or suits).

**APPENDIX B**

**ADDITIONAL POTENTIAL PHYSICAL AND CHEMICAL HAZARDS**

| ADDITIONAL POTENTIAL PHYSICAL AND CHEMICAL HAZARDS                                                    |                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| POTENTIAL PHYSICAL HAZARDS                                                                            | CONTROL METHODS                                                                                                                                                                                                                                                                                                         |
| Overhead Hazards/Falling Objects                                                                      | Overhead hazards will be identified prior to each task (i.e., inspecting drill rig mast, building structure). Hard hats will be required for each task that poses an overhead hazard.                                                                                                                                   |
| Contact with Utilities                                                                                | Prior to initiating Site activities, all utilities will be located by the appropriate utility company and will be marked and/or barricaded to minimize the potential of accidental contact. A minimum distance of 25 feet between the derrick and overhead power lines must be maintained at all times.                 |
| Noise Exposure                                                                                        | Areas of potentially high sound pressure levels (>85 dBA) will be restricted to authorized personnel only. Engineering controls will be used to the extent possible. Hearing protection will be made available to all workers on-Site. Exposure to time-weighted average levels in excess of 85 dBA is not anticipated. |
| POTENTIAL CHEMICAL HAZARDS                                                                            | GENERAL CONTROL METHODS                                                                                                                                                                                                                                                                                                 |
| Contaminant Inhalation                                                                                | Direct reading instruments will be used to monitor airborne contaminants. Established Lu Engineers' action levels will limit exposure to safe levels. Respiratory protection will be used as appropriate.                                                                                                               |
| Contaminant Ingestion                                                                                 | Standard safety procedures such as restricting eating, drinking, and smoking to the support zone and utilizing proper personal decontamination procedures will minimize ingestion as a potential route of exposure.                                                                                                     |
| Dermal Contaminant Contact                                                                            | The proper selection and use of personal protective clothing and decontamination procedures will minimize dermal contaminant contact.                                                                                                                                                                                   |
| Potential contact with lower concentration waste and naturally occurring contaminants (i.e., methane) | Dermal contact with contaminants will be minimized by proper use of the following PPE: <ul style="list-style-type: none"> <li>• Tyvex coveralls</li> <li>• Neoprene gloves</li> <li>• Booties (latex) or over-boots.</li> </ul>                                                                                         |

**APPENDIX C**

**HAZARD EVALUATION SHEETS / MSDS**

**CHEMICAL HAZARD EVALUATION**

| Task Number | Compound                                     | Exposure Limits (TWA)               |     |                                     | Dermal Hazard (Y/N) | Route(s) of Exposure | Acute Symptoms                                                                                                                                       | Odor Threshold/Description                            | FID/PID           |                    |
|-------------|----------------------------------------------|-------------------------------------|-----|-------------------------------------|---------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------|--------------------|
|             |                                              | PEL                                 | REL | TLV                                 |                     |                      |                                                                                                                                                      |                                                       | Relative Response | Ioniz. Poten. (eV) |
|             |                                              |                                     |     |                                     |                     |                      |                                                                                                                                                      |                                                       |                   |                    |
| 1 - 5       | Aroclor 1242 Polychlorinated biphenyl (PCB)* | 1.0 <sup>sk</sup> mg/m <sup>3</sup> | --- | 1.0 <sup>sk</sup> mg/m <sup>3</sup> | Y                   | Abs, Inh, Ing        | Irritation to eyes and skin; dermatitis, liver damage                                                                                                | Mild hydrocarbon odor                                 | ---               | ---                |
| 1 - 5       | Aroclor 1260 Polychlorinated biphenyl (PCB)* | 0.5 <sup>sk</sup> mg/m <sup>3</sup> | --- | 0.5 <sup>sk</sup> mg/m <sup>3</sup> | Y                   | Abs, Inh, Ing        | Irritation to eyes and skin; dermatitis, liver damage                                                                                                | ---                                                   | ---               | ---                |
| 1 - 5       | Benzene*                                     | 1 ppm                               | --- | 10 ppm                              | Y                   | Inh, Abs, Ing, Con   | Irritation to eyes, skin, nose, respiratory system; headache, nausea, dizziness, drowsiness, unconsciousness, harmful, fatal if aspirated into lungs | Colorless to light yellow liquid, sweet aromatic odor | 0.5               | 9.25               |
| 1 - 5       | Ethylbenzene                                 | 100 ppm                             | --- | 100 ppm                             | Y                   | Inh, Ing, Con        | Irritation to eyes, skin, mucous membranes; dermatitis, narcosis, , trouble breathing, paralysis, headache, nausea, headache, dizziness, coma        | Colorless liquid, aromatic odor                       | 0.5               | 8.77               |

**CHEMICAL HAZARD EVALUATION**

| Task Number | Compound              | Exposure Limits (TWA)                          |                                                                           |                                       | Dermal Hazard (Y/N) | Route(s) of Exposure | Acute Symptoms                                                                                                                                                                                                                                                                                                                                                                                                                                     | Odor Threshold/Description                             | FID/PID            |      |
|-------------|-----------------------|------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------|---------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|--------------------|------|
|             |                       | REL                                            | TLV                                                                       | Relative Response                     |                     |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                        | Ioniz. Poten. (eV) |      |
|             |                       | PEL                                            | REL                                                                       |                                       |                     |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                        |                    |      |
| 1 - 5       | Mercury               | 0.1 <sup>sk</sup> mg/m <sup>3</sup><br>ceiling | 0.1 mg/m <sup>3</sup><br>ceiling<br><br>0.05 mg/m <sup>3</sup><br>ceiling | 0.025 <sup>sk</sup> mg/m <sup>3</sup> | Y                   | Inh, Abs, Ing, Con   | Severe respiratory tract damage, sore throat, coughing, pain, tightness in chest, breathing difficulties, headache, muscle weakness, anorexia, GI disturbances, ringing in ear, liver changes fever, bronchitis, pneumonitis, burning in mouth, abdominal pain, vomiting, corrosive ulceration, bloody diarrhea, weak & rapid pulse, paleness, exhaustion, tremors, collapse, thirst, burns and irritates skin, eyes, blurred vision, pain in eyes | Silver-white, heavy, odorless liquid metal             | ---                | N/A  |
| 1 - 5       | Trichloroethene*(TCE) | 100 ppm<br>(per 6/97 NIOSH Pocket Guide)       |                                                                           |                                       | Y                   | Inh, Abs, Ing, Con   | Irritation to eyes, skin, mucous membranes and GI, headache, vertigo, fatigue, giddiness, tremors, vomiting, nausea, may burn skin, visual disturbance, paresthesia, cardiac arrhythmias                                                                                                                                                                                                                                                           | Colorless liquid, sometimes dyed blue, chloroform odor | ---                | 9.45 |



**CHEMICAL HAZARD EVALUATION**

| Task Number | Compound  | Exposure Limits (TWA) |     |         | Dermal Hazard (Y/N) | Route(s) of Exposure | Acute Symptoms                                                                                                                                                                                                                                                                             | Odor Threshold/Description                         | FID/PID           |                    |
|-------------|-----------|-----------------------|-----|---------|---------------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-------------------|--------------------|
|             |           | PEL                   | REL | TLV     |                     |                      |                                                                                                                                                                                                                                                                                            |                                                    | Relative Response | Ioniz. Poten. (eV) |
|             |           |                       |     |         |                     |                      |                                                                                                                                                                                                                                                                                            |                                                    |                   |                    |
| 1 - 5       | Xylene(s) | 100 ppm               | --- | 100 ppm | Y                   | Inh, Ing, Abs, Con   | Irritation to eyes, nose, throat, skin; nausea, vomiting, headache, ringing in ears, severe breathing difficulties (that may be delayed in onset), substernal pain, coughing hoarseness, dizziness, excited, burning in mouth, stomach, dermatitis (removes oils from skin), corneal burns | Colorless liquid, aromatic odor (solid below 56 F) | .5                | 8.44               |

KEY:

PEL = Permissible Exposure Limit  
REL = Recommended Exposure Limit  
--- = Information not available  
TLV = Threshold Limit Value(ACGIH)

Inh = Inhalation  
Ing = Ingestion  
mg/m<sup>3</sup> = Milligrams per cubic meter  
\* = Chemical is a known or suspected carcinogen

Abs = Skin Absorption  
Con = Skin and/or eye Contact  
ppm = Parts per million  
sk = Skin notation

**APPENDIX D**

**EQUIPMENT CHECKLIST**

**EQUIPMENT CHECKLIST**

| <b>PROTECTIVE GEAR</b>                   |            |                                                 |            |
|------------------------------------------|------------|-------------------------------------------------|------------|
| <b>LEVEL A</b>                           | <b>N/A</b> | <b>LEVEL B</b>                                  | <b>N/A</b> |
| SCBA                                     |            | SCBA                                            |            |
| SPARE AIR TANKS                          |            | SPARE AIR TANKS                                 |            |
| ENCAPSULATING SUITE (Type )              |            | PROTECTIVE COVERALL (Type )                     |            |
| SURGICAL GLOVES                          |            | RAIN SUIT                                       |            |
| NEOPRENE SAFETY BOOTS                    |            | BUTYL APRON                                     |            |
| BOOTIES                                  |            | SURGICAL GLOVES                                 |            |
| GLOVES (Type )                           |            | GLOVES (Type )                                  |            |
| OUTER WORK GLOVES                        |            | OUTER WORK GLOVES                               |            |
| HARD HAT                                 |            | NEOPRENE SAFETY BOOTS                           |            |
| CASCADE SYSTEM                           |            | BOOTIES                                         |            |
| 5-MINUTE COOLING VEST                    |            | HARD HAT WITH FACE SHIELD                       |            |
|                                          |            | CASCADE SYSTEM                                  |            |
|                                          |            | MANIFOLD SYSTEM                                 |            |
|                                          |            |                                                 |            |
| <b>LEVEL C</b>                           | <b>N/A</b> | <b>LEVEL D</b>                                  | <b>N/A</b> |
| ULTRA-TWIN RESPIRATOR                    | X          | ULTRA-TWIN RESPIRATOR (available)               | X          |
| POWER AIR PURIFYING RESPIRATOR           |            | CARTRIDGES (Type GMC-H)(available)              | X          |
| CARTRIDGES (Type GMC-H)                  | X          | 5-MINUTE ESCAPE MASK (available)                |            |
| 5-MINUTE ESCAPE MASK                     |            | PROTECTIVE COVERALL (Type Tyvek/Saranax)        | X          |
| PROTECTIVE COVERALL (Type Tyvek/Saranax) | X          | RAIN SUIT (available)                           | X          |
| RAIN SUIT                                |            | NEOPRENE SAFETY BOOTS                           |            |
| BUTYL APRON                              |            | BOOTIES (available)                             | X          |
| SURGICAL GLOVES                          | X          | NITRILE                                         |            |
| GLOVES (Type: Nitrite/Neoprene)          | X          | HARD HAT WITH FACE SHIELD (available)           | X          |
| OUTER WORK GLOVES                        |            | SAFETY GLASSES                                  | X          |
| NEOPRENE SAFETY BOOTS                    |            | GLOVES (Type: Surgical)                         | X          |
| HARD HAT WITH FACE SHIELD                | X          | WORK GLOVES (Type: Neoprene/Nitrile)(available) | X          |
| BOOTIES                                  | X          | SAFETY BOOTS                                    | X          |
| HARD HAT                                 |            | BLAZE ORANGE VEST                               | X          |
|                                          |            |                                                 |            |

**EQUIPMENT CHECKLIST**

| <b>INSTRUMENTATION</b>                            | <b>NO.</b> | <b>FIRST AID EQUIPMENT</b>      | <b>NO.</b> |
|---------------------------------------------------|------------|---------------------------------|------------|
| OVA                                               |            | FIRST AID KIT                   | X          |
| THERMAL DESORBER                                  |            | OXYGEN ADMINISTRATOR            |            |
| O <sub>2</sub> /EXPLOSIMETER W/CAL.KIT (Drilling) | X          | STRETCHER                       |            |
| PHOTOVAC TIP                                      |            | PORTABLE EYE WASH               |            |
| PID                                               | X          | BLOOD PRESSURE MONITOR          |            |
| MAGNETOMETER                                      |            | FIRE EXTINGUISHER               | X          |
| PIPE LOCATOR                                      |            |                                 |            |
| WEATHER STATION                                   |            | <b>DECON EQUIPMENT</b>          |            |
| DRAEGER PUMP, TUBES ( )                           |            | WASH TUBS                       |            |
| BRUNTON COMPASS                                   |            | BUCKETS                         | X          |
| MONITOX CYANIDE                                   |            | SCRUB BRUSHES                   | X          |
| HEAT STRESS MONITOR                               |            | PRESSURIZED SPRAYER             |            |
| NOISE EQUIPMENT                                   |            | DETERGENT (Type: Alconox) = TSP | X          |
| PERSONAL SAMPLING PUMPS                           |            | SOLVENT (HEXANE)                |            |
| MINI-RAM (Particulates) (Drilling)                | X          | PLASTIC SHEETING                | X          |
|                                                   |            | TARPS AND POLES                 |            |
|                                                   |            | TRASH BAGS                      | X          |
| <b>RADIATION EQUIPMENT</b>                        |            | TRASH CANS                      |            |
| DOCUMENTATION FORMS                               |            | MASKING TAPE                    |            |
| PORTABLE RATEMETER                                |            | DUCT TAPE                       | X          |
| SCALER/RATEMETER                                  |            | PAPER TOWELS                    | X          |
| NaI Probe                                         |            | FACE MASK                       |            |
| ZnS Probe                                         |            | FACE MASK SANITIZER             |            |
| GM Pancake Probe                                  |            | FOLDING CHAIRS                  |            |
| GM Side Window Probe                              |            | STEP LADDERS                    |            |
| MICRO R METER                                     |            | DISTILLED WATER                 | X          |
| ION CHAMBER                                       |            |                                 |            |
| ALERT DOSIMETER                                   |            |                                 |            |
| MINI-RAD                                          |            |                                 |            |

**EQUIPMENT CHECKLIST**

| <b>SAMPLING EQUIPMENT</b>       | <b>NO.</b> | <b>MISCELLANEOUS (cont.)</b>       | <b>NO.</b> |
|---------------------------------|------------|------------------------------------|------------|
| 4-OZ BOTTLES                    | X          | BUNG WRENCH                        | X          |
| 1 LITER AMBER BOTTLES           | X          | SOIL AUGER                         | X          |
| VOA BOTTLES                     | X          | PICK                               |            |
| SOIL SAMPLING (CORING) TOOL     | X          | SHOVEL                             | X          |
| SOIL VAPOR PROBE                |            | CATALYTIC HEATER                   |            |
| THIEVING RODS WITH BULBS        | X          | PROPANE GAS                        |            |
| SPOONS                          | X          | BANNER TAPE                        | X          |
| GENERAL TOOL KIT                | X          | SURVEYING METER STICK              | X          |
| FILTER PAPER                    |            | CHAINING PINS AND RING             |            |
| PERSONAL SAMPLING PUMP SUPPLIES |            | TABLES                             |            |
| 4-OZ JARS                       | X          | WEATHER RADIO                      |            |
|                                 |            | BINOCULARS                         |            |
| <b>VAN EQUIPMENT</b>            |            | MEGAPHONE                          |            |
| TOOL KIT                        |            | PORTABLE RADIOS (4)                | X          |
| HYDRAULIC JACK                  |            | CELL PHONE                         | X          |
| LUG WRENCH                      |            | CAMERA                             | X          |
| TOW CHAIN                       |            | HEARING PROTECTION                 | X          |
| VAN CHECK OUT                   |            |                                    |            |
| GAS                             |            | <b>SHIPPING EQUIPMENT</b>          |            |
| OIL                             |            | COOLERS                            | X          |
| ANTIFREEZE                      |            | PAINT CANS WITH LIDS, 7 CMIPS EACH |            |
| BATTERY                         |            | VERMICULITE                        |            |
| WINDSHIELD WASH                 |            | SHIPPING LABELS                    | X          |
| TIRE PRESSURE                   |            | DOT LABELS: "DANGER", "UP";        |            |
|                                 |            | "INSIDE CONTAINER COMPLIES...";    |            |
| <b>MISCELLANEOUS</b>            |            | "HAZARD GROUP"                     |            |
| PITCHER PUMP                    |            | STRAPPING TAPE                     | X          |
| SURVEYOR'S TAPE                 | X          | BOTTLE LABELS                      | X          |
| 100 FIBERGLASS TAPE             | X          | BAGGIES                            | X          |
| 300 NYLON ROPE                  |            | CUSTODY SEALS                      | X          |
| NYLON STRING                    | X          | CHAIN-OF-CUSTODY FORMS             | X          |
| SURVEYING FLAGS                 | X          | FEDERAL EXPRESS FORMS              | X          |
| FILM                            |            | CLEAR PACKING TAPE                 | X          |
| WHEEL BARROW                    |            |                                    |            |

## Appendix M – Quality Assurance Project Plan

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# **QUALITY ASSURANCE PROJECT PLAN**

## **Supplemental Site Investigation 415 Orchard Street**

City of Rochester  
Environmental Restoration Project  
415 Orchard Street and 354 Whitney Street  
Monroe County, New York

Prepared For:



City of Rochester  
Department of Environmental Services  
Division of Environmental Quality  
30 Church Street  
Rochester, New York 14614

Prepared By:



Lu Engineers  
175 Sully's Trail  
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Pittsford, New York 14534

**May 2015**

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## 1.0 Introduction

This Quality Assurance Project Plan (QAPP) was prepared as an integral part of the Supplemental Site Investigation Work Plan for the Orchard/Whitney Site and is subject to the review and approval by the New York State Department of Environmental Conservation (NYSDEC). The project work will be performed by Lu Engineers, or conducted under their discretion by NYSDEC-approved contractors. Project-specific descriptions can be found in the Supplemental Site Investigation Work Plan.

This QAPP presents the policies, organization, objectives, functional activities, and specific quality assurance (QA) and quality control (QC) activities that will be implemented by Lu Engineers for this project. This QAPP is designed to ensure that all technical data generated by Lu Engineers is accurate, representative, and will ultimately withstand judicial scrutiny.

All QA/QC procedures are implemented in accordance with applicable professional technical standards, NYSDEC and EPA requirements, government regulations and guidelines, and specific project goals and requirements. This QAPP is prepared in accordance with all NYSDEC and EPA QAPP guidance documents.

This QAPP incorporates the following activities:

- Sample Management and chain of custody;
- Document control;
- Laboratory quality control; and
- Review of project deliverables.

Analytical samples will be collected in the field utilizing standard operating procedures (SOPs) and sent to the contracted NYSDOH ELAP CLP-certified laboratory for analysis. Field data compilation, tabulation, and analysis will be checked for accuracy. Calculations and other post-field tasks will be reviewed by field personnel and the project manager.

Equipment used to take field measurements will be maintained and calibrated in accordance with established procedures. Records of calibration and maintenance will be kept by assigned personnel. Field testing and data acquisition will be performed in standard fashion following strict guidelines.

Document control procedures will be used to coordinate the distribution, coding, storage, retrieval, and review of all data collected during all sampling tasks. These include, but are not limited to, the sampling of soil/sediment, groundwater, and wastes.

In addition, the laboratory has developed SOPs for individual analytical methods and internal QC procedures. These documents are an important aspect of their QA program and are available for review upon request.

## **2.0 Project Objectives**

The intent of this project is to further delineate the nature and extent of contamination at the Orchard/Whitney Site, specifically the area beneath the former 415 Orchard Street building. Sampling of soil and groundwater will be used to identify potential exposure pathways and evaluate the Site for future use. The identification of significant Site characteristics, extent of contamination, and exposure pathways (if completed exposure pathways are indicated) will provide the basis for developing remedial alternatives. The scope of work is described in the Supplemental Site Investigation Work Plan Section 3.0.

A complete project description, including Site history and background information, is given in Section 2.0 of the Supplemental Site Investigation Work Plan.

## **3.0 Project Organization and Responsibility**

In accordance with Lu Engineers' quality assurance (QA) program, experienced senior technical staff will be assigned to the project QA/QC functions. The management structure provides for direct and constant operational responsibility, clear lines of authority, and the integration of QA activities. The various QA functions are explained below.

QA contacts include Lu Engineers project manager and Quality Assurance Officer. Qualifications of key personnel are included in Appendix D of the Supplemental Site Investigation Work Plan.

Upstate Laboratories, a NYSDOH ELAP-CLP certified laboratory, will provide analytical services for the project. A list of their certifications and accreditations is attached in Appendix D.

### **Project Director**

The project director for this project will be Robert Hutteman, P.E. As project director, Mr. Hutteman will have overall responsibility for ensuring that the project meets client objectives and Lu Engineers' quality standards. In addition, the project director will be responsible for technical quality control and project oversight and will provide the project manager with access to upper management.

### **Project Manager**

The project manager for this project will be Greg Andrus, CHMM. As project manager, he will be responsible for implementing the project and will have the authority to commit the resources necessary to meet project objectives and requirements. The project manager's primary function is to ensure that technical, financial, and scheduling objectives are achieved. The project manager will provide the major point of contact and control for matters concerning the project. The project manager will:

- Work directly with the NYSDEC Regional Office to complete and implement a work plan for the project;

- Define project objectives and schedule;
- Establish project policy and procedures to address the specific needs of the project as a whole, as well as the objectives of each task;
- Acquire and apply technical managerial resources as needed to ensure performance within budget and schedule constraints;
- Orient all staff concerning the project's special considerations;
- Develop and meet ongoing project and/or task staffing requirements, including mechanisms to review and evaluate each task product;
- Review the work performed on each task to ensure its quality, responsiveness, and timeliness;
- Review and analyze overall task performance with respect to planned requirements and authorizations;
- Approve all external reports (deliverables) before their submission to the client;
- Ultimately be responsible for the preparation and quality of interim and final reports; and
- Represent the project team at meetings.

#### **Quality Assurance Officer (QAO)**

The QA officer is Susan Hilton, P.E. She will be responsible for maintaining QA for a specific program and the projects within that program. Specific functions and duties include:

- Providing an external and, thereby, independent QA function to the project;
- Responsibility for field and sampling audits conducted by qualified QA personnel;
- Coordinating with client personnel, Lu Engineers' project manager, laboratory management, and staff to ensure that QA objectives appropriate to the project are set and that personnel are aware of these objectives;
- Coordinating with project management and personnel to ensure that QC procedures appropriate to demonstrating data validity sufficient to meet QA objectives are developed and in place;
- Interfacing with the data validator (if necessary) and development of a project specific data usability report;
- Coordinating with QA personnel to ensure that QC procedures are followed and documented;
- Requiring and/or reviewing corrective actions taken in the event of QC failures;
- Reporting non-conformance with QC criteria or QA objectives, including an assessment of the impact on data quality or project objectives, to the project manager.

#### **Technical Staff**

The technical staff (team members) for this project will be drawn from Lu Engineers pool of resources. The technical team staff will be utilized to gather and analyze data and to prepare

various task reports and support materials. All of the designated technical team members are experienced professionals who possess the degree of specialization, training and technical competence required to effectively and efficiently perform the required work.

**Data Validation and QA Staff**

If necessary, data validation and QA staff will include data validation chemists, QA auditors, and other technical specialists who remain independent of the laboratory and project management. The staff will independently validate analytical data to assess and summarize their accuracy, precision, and reliability and determine their usability. The staff will also perform audits and document the historical record of project activities, including any factors affecting data usability, such as data discrepancies and deviations from standard practices. The staff will act under the direction of the QA officer and project manager in accordance with specific project requirements. A third party data validation staff is to be determined.

## 4.0 Sampling Procedures

### 4.1 Sampling Design

The sampling for this project is designed to fully delineate the nature and extent of contamination remaining beneath the footprint of the former 415 Orchard Street building. Soil borings, test pit excavations, groundwater monitoring well installation, and soil and groundwater sampling will be used to evaluate Site conditions.

An estimated total of nine (9) test pit excavations are anticipated for the area beneath the former 415 Orchard Street building footprint in efforts to further evaluate of subsurface conditions. It is estimated that at minimum, one (1) sample be taken from each test pit location.

Five (5) proposed soil borings are planned for installation beneath the former 415 Orchard Street building footprint to establish local background concentrations for metals and PAHs. It is projected that four (4) of these boring locations will be converted to 2-inch diameter groundwater monitoring wells.

It is anticipated that at minimum, one (1) soil sample will be collected from each of the five (5) soil borings and at minimum one (1) groundwater sample will be collected from each of the four (4) newly installed monitoring wells.

Soil and groundwater samples will be analyzed for RCRA metals, EPA 8260 volatile organic compounds (VOCs), and PCBs using Contract Laboratory Protocol (CLP).

Continuous perimeter and work zone air monitoring for VOCs will also be conducted during all soil removal and staging activities using a PID to ensure health and safety of workers and the public.

A Site map showing proposed sample locations is provided as Figure 3.

### 4.2 QC Samples

Various types of field QC samples are used to check the cleanliness and effectiveness of field handling methods. They are analyzed in the laboratory as samples, and their purpose is to assess the sampling and transport procedures as possible sources of sample contamination and document overall sampling and analytical precision. Rigorous documentation of all field QC samples in the site logbooks is mandatory.

- **Trip Blanks** are similar to field blanks with the exception that they are not exposed to field conditions. Their analytical results give the overall level of contamination from everything except ambient field conditions. Trip blanks are prepared at the lab prior to the sampling event and shipped with the sample bottles. Trip blanks are prepared by adding organic-free water to a 40-ml VOA vial. One (1) trip blank will be used with every

batch of water samples shipped for volatile organic analysis. Each trip blank will be transported to the sampling location, handled like a sample, and returned to the laboratory for analysis without being opened in the field.

- **Field Equipment/Rinsate Blanks** are blank samples designed to demonstrate that sampling equipment has been properly prepared and cleaned before field use and that cleaning procedures between samples are sufficient to minimize cross-contamination. Rinsate blanks are prepared by passing analyte-free water over sampling equipment and analyzing the samples for all applicable parameters. If a sampling team is familiar with a particular site, its members may be able to predict which areas or samples are likely to have the highest concentration of contaminants. Unless other constraints apply, these samples should be taken last to avoid excessive contamination of sampling equipment. Rinsate blanks are not required if dedicated sampling equipment is used for sample collection.
- **Field Duplicates** consist of a set of two (2) samples collected independently at a sampling location during a single sampling event. Field duplicates can be sent to the laboratory so that they are indistinguishable from other analytical samples and personnel performing the analysis are not able to determine which of the samples are field duplicates. Field duplicates are designed to assess the consistency of the overall sampling and analytical system.

Field QC samples and the frequency of analysis for this project are summarized in Table 1 *Summary of Sampling and Laboratory Analysis* at the end of this QAPP and in Section 3.6 of the SSI Work Plan. It is noted that sample quantities are estimated. Additional samples may be required according to actual field, subsurface soil, and groundwater conditions as encountered during Supplemental Site Investigation work activities.

#### **4.3 Decontamination Procedures**

All decontamination will be performed in accordance with NYSDEC-approved procedures. Sampling methods and equipment have been chosen to minimize decontamination requirements and prevent the possibility of cross-contamination. All drilling equipment will be decontaminated prior to drilling, after drilling each boring/monitoring well, and after the completion of all drilling. Special attention will be given to the drilling assembly, augers, split-spoons, and PVC casing. Split-spoons will be decontaminated prior to and following each use.

Split-spoons and other non-disposable sampling equipment, and stainless steel spoons will be decontaminated using the following procedure:

- Initially cleaning equipment of all foreign matter;
- Scrubbing equipment with brushes in Alconox® solution;
- Rinsing equipment with distilled water; and
- Rinsing equipment with 10% nitric acid (when sampling for metals only);

- Triple-rinsing equipment with distilled water; and
- Allowing equipment to air dry.

All drill cuttings and water generated during drilling boring and monitoring well installation will remain on-Site. All waters generated by decontamination or by developing, purging, or pumping the monitoring wells will be stored in drums or an on-Site holding tank.

A temporary decontamination pool will be established in a secure area on Site using 6-mil polyethylene sheeting. The drill rig and associated tooling will be decontaminated using steam-cleaning methods at the designated location. Fluids generated during decontamination will be collected in the plastic-lined pool. All decontamination wastes will be transferred into drums or an on-Site holding tank for appropriate staging and disposal. The City will be responsible for proper staging and disposal of all investigation-derived wastes. Final disposal of soils and water will be dependent on the results of the soil and groundwater analyses to be conducted during this investigation.

#### **4.4 Sampling Methods**

This section describes the sampling procedures to be utilized for each environmental medium that will be collected and analyzed in accordance with the SSI Work Plan and Tables 1 and 5.1 of this plan. All sampling procedures described are consistent with United States Environmental Protection Agency (USEPA) sampling procedures as described in SW-846, third edition and the NYSDEC Analytical Services Protocols (ASP), or equivalent.

##### **4.4.4 Test Pit Investigations**

Test pits will be excavated to bedrock, but not into groundwater, using a backhoe. All materials removed from the pit will be returned and the pit will be completely filled before the backhoe leaves the Site. A PID will be used to continuously monitor gases exiting the test pits during excavation and sampling operations.

Prior to initiating excavation activities and between test pits, the backhoe will be cleaned and decontaminated according to procedures outlined in Section 4.3.

Soil samples will be obtained according to the Site work plan using a stainless steel spoon or trowel. Samples can be collected from the walls of the test pit or from the backhoe bucket if appropriate. Soil samples will be placed in 8-ounce wide-mouth glass jars.

The sample exhibiting the highest levels of contamination from each test pit based on field screening will be submitted for laboratory analysis. One discreet sample from each test pit will be submitted.



A log of the test pit will be maintained similar to a borehole log, indicating such information as distinctive soil horizons, soil texture, color, groundwater, PID and OVA readings, and location of soil samples.

#### **4.4.5 Subsurface Soil Samples**

All soil samples will be screened for the presence of volatile organic compounds (VOCs) with a photoionization detector (PID). Screening will be performed by placing a representative soil sample into a Ziploc® (or equivalent) plastic bag, sealing the bag, and then allowing the sample to volatilize for at least 15 minutes. The concentration of VOCs will then be measured by inserting the tip of the PID or equivalent device into the sample's headspace and taking a reading. VOC measurements will be entered on the boring log. All soil borings will be constructed into monitoring wells.

The field geologist will also evaluate soil samples for the presence of staining or other unusual observations. Samples noted to have these characteristics may require analysis even though no PID readings may have been observed.

#### **4.4.6 Groundwater Investigation**

The groundwater sampling plan outlined in this subsection has been prepared in general accordance with RCRA Groundwater Monitoring Technical Enforcement Guidance Document 9950.1 (September 1986), Office of Solid Waste and Emergency Response as modified by NYSDEC-specific request.

##### **Well Installation**

Prior to initiating drilling activities, the drilling rig, augers, rods, split spoons, pertinent equipment, well pipe and screens will be steam cleaned. These activities will be performed in a designated decontamination area. Throughout and after the cleaning processes, direct contact between the equipment and the ground surface will be avoided. Plastic sheeting and/or clean support structures (e.g., pallets, sawhorses) will be used. The drilling rig and all equipment will be steam cleaned upon completion of the investigation and prior to leaving the Site.

Samples will be collected continuously in 2-foot intervals as the augers are advanced. The sampler will be decontaminated between sampling locations. Decontamination will be accomplished by disassembling the split spoons, removing gross debris, washing the parts in an Alconox solution, and rinsing with distilled water. Each soil sample will be described at the time it is retrieved, and a subsurface log will be produced by an on-site geologist based upon visual examination and other field observations. Sample descriptions will be based on either the Unified or Burmister Soil Classification System.

Upon reaching competent bedrock, the borehole will be advanced using rotary drilling techniques and coring. All borings will be advanced ten feet (10 ft.) into bedrock where the groundwater monitoring wells will be installed.

Drilling fluids, other than water from a NYSDEC-approved source, will not be allowed without special consideration and agreement from NYSDEC. The use of lubricants is also not allowed unless approved by the NYSDEC representative. During the drilling, a portable VOC monitor, and an O<sub>2</sub>/explosimeter will be used to monitor the gases exiting the hole.

### **Well Casing (Riser)**

The well riser shall consist of 2- or 3-inch diameter, threaded flush-joint polyvinyl chloride (PVC) pipe. All well risers will conform to the requirements of ASTM-D 1785 Schedule 40 pipe, and shall bear markings that will identify the material as that which is specified. All materials used to construct the wells will be NSF/ASTM approved.

### **Well Screen**

Generally, wells will be constructed with 10-foot machine-slotted screens, unless otherwise specified in the work plan or dictated by field conditions (i.e., screens of less than 10-ft in length may be used, depending on the characteristics of the well). Screen and riser sections shall be joined by flush-threaded coupling to form watertight unions that retain 100% of the strength of the casing. Solvent PVC glues shall not be used at any time in the construction of the wells. The bottom of the screen shall be sealed with a treated cap or plug. No lead shot or lead wool is to be employed in sealing the bottom of the well or for sealant at any point in the well.

All risers and screens shall be set round, plumb, and true to line.

### **Artificial Sand Pack**

Granular backfill will be chemically and texturally clean inert, siliceous, and of appropriate grain size for the screen slot size and the host environment. The well screen and riser casing will be installed, and the sand pack placed around the screen and casing to a depth approximately two (2) feet above the top of the well screen.

### **Bentonite Seal**

A minimum 2-ft thick seal of bentonite pellets/chips and water slurry will be placed directly on top of the sand pack, and care will be taken to avoid bridging. The seal will be measured immediately after placement, without allowance for swelling.

### **Grout Mixture**

Upon completion of the bentonite seal, the well will be grouted with a non-shrinking cement grout mix to be placed from the top of the bentonite seal to the ground surface. The cement grout shall consist of a mixture of Portland cement (ASTM C 150) and water, in the proportion of not more than 7 gallons of clean water per bag of cement (1 cubic foot or 94 pounds). Additionally, 3% by weight of bentonite powder shall be added, if permitted.

### **Surface Protection**

At all times during the progress of the work, precautions shall be used to prevent tampering with or the entrance of foreign material into the well. Upon completion of the well, a suitable vented cap shall be installed to prevent material from entering the well. The PVC well riser shall be flush mount or surrounded by a steel casing rising 24 to 36 inches above ground level and set into a concrete pad. The steel casing shall be provided with a cap and lock. A concrete pad, sloped away from the well, shall be constructed around the well casing at ground level. The steel protective casing shall be painted with permanent high-visibility paint. The ground immediately around the top of the well shall be sloped away from the well. There shall be an opening in the protective casing wall at the top of the cement pad to allow for internal drainage.

Any well that is to be temporarily removed from service or left incomplete due to delay in construction, shall be capped with a watertight cap and equipped with a "vandal-proof" cover, satisfying applicable NYSDEC regulations or recommendations.

### **Surveying**

Coordinates and elevations will be established by a New York State licensed land surveyor for each boring, monitoring well, sampling location, and other key contour points. A map of each will be prepared for inclusion into the final report for the Site.

Elevations (0.01') will be established for the ground surface at each boring, monitoring well, sampling location, the top of each monitoring well casing (T.C), and at least one other permanent object (i.e., property corner markers, corners of buildings, bridges, etc.) in the vicinity of the borings and wells. Elevations will be relative to a regional, local, or project specific datum. USGS benchmarks will be used if within ½ mile of the Site being surveyed and will take precedence over the use of a project specific datum.

Unsurveyed data, (i.e., approximate Site and property boundaries), developed through the use of current tax maps and initial Site visits, also will be shown on the survey map. The location and extent of filled areas, buried tanks and drums, other items pertinent to Site usage will be indicated on the survey maps based on the best available data.

### **Well Development**

After completion of the well, but not sooner than 48 hours after grouting is completed, development will be accomplished using air surging, surge blocking, pumping, or bailing. The air-lift surge method may be supplemented with a bottom-filling bailer if a well has an extremely low yield. No dispersing agents, acids, disinfectants, or other additives will be used during development nor be introduced into the well at any other time. During development, water will be removed throughout the entire water column by periodically lowering and raising the pump intake (or bailer stopping point).

Well development will include washing the entire well cap and the interior of the well casing above the water table, using only water from the well itself. As a result of the operation, the well casing will be free of extraneous materials (grout, bentonite, and sand) inside the riser, well cap, and blank casing between top of the well casing and water table. This washing will be conducted before and/or during development; not after development. Development water will be properly contained and treated as waste until the results of chemical analysis of samples are obtained.

The development process will continue until a stabilization of pH, specific conductance, temperature, and clarity (goal of <50 NTUs) of the discharge is achieved or for a maximum of two hours. If, after two hours, substantial improvement has been noted through the development process but the goal of 50 NTUs has not been met, an additional one to two hours may be authorized to achieve the 50 NTU goal.

### **Geologic Logging and Sampling**

At each well location, the boring will be advanced through overburden using a drill rig and hollow-stem auger, and soils will be visually inspected for stains and monitored with a PID and OVA. Soil samples will be collected continuously over the entire depth of the well. The sampling device will be decontaminated according to procedures outlined in Section 4.3.

The split-spoon sampler will be driven into the soil using a 140-pound safety hammer and allowed to free-fall 30 inches, in accordance with ASTM-D 1586-84 specifications. The number of blows required to drive the sampler each 6 inches of penetration will be recorded. Soil samples will be screened in the field for volatile organic vapors using a PID, and will be classified in accordance with Unified Soil Classification System (ISCS) specifications, and logged. Samples will be stored in glass jars until they are needed for testing or the project is complete.

Information regarding analytical requirements for soil borings can be found in the Supplemental Site Investigation Work Plan.

Monitoring well borings will be installed to a depth determined through the examination of boring logs and water levels encountered as well as on-Site discussions and agreement between the NYSDEC representative and Lu Engineers' field team leader. All significant discrepancies between the prepared work plan and actual Site conditions will be noted and countersigned by both parties in the project's on-Site logbook.

If hydrogeologic conditions are favorable for well installation at a depth less than design, the well will be installed at the boring or coring termination depth. In the event that maximum design depth is reached and hydrogeologic conditions are not suitable for well installation, the maximum drilling depth will be revised. Hydrogeologic suitability for well emplacement will be determined by the supervising geologist in consultation with NYSDEC, based on thickness and estimated hydraulic conductivity to the saturated zone encountered. If necessary, the borehole will be advanced to water or abandoned.

Drilling logs will be prepared by an experienced geologist who will be present during all drilling operations. One copy of each field boring log, well construction log and groundwater data will be submitted as part of the report. Information provided in the logs shall include, but not be limited to, the following:

- Date, test hole identification, and project identification;
- Name of individual developing the log;
- Name of driller and assistant(s);
- Drill, make and model, auger size;
- Identification of alternative drilling methods used and justification thereof (e.g., rotary drilling with a specific bit type to remove material from within the hollow stem augers);
- Standard penetration test (ASTM D-1586) blow counts;
- Field diagram of each monitoring well installed with the depth to bottom of screen, top of screen, and pack, bentonite seal, etc.;
- Reference elevation for all depth measurements;
- Depth of each change of stratum;
- Thickness of each stratum;
- Identification of the material of which each stratum is composed, according to the USCS system or standard rock nomenclature, as appropriate;
- Depth interval from which each sample was taken;
- Depth at which hole diameters (bit sizes) change;
- Depth at which groundwater is encountered;
- Depth to static water level;
- Total depth of completed well;
- Depth or location of any loss of tools or equipment;
- Location of any fractures, joints, faults, cavities, or weathered zones;
- Depth of any grouting or sealing;
- Nominal hole diameters;
- Amount of cement used for grouting or sealing;
- Depth and type of well casing;
- Description of well screen (to include depth, length, location, diameter, slot sizes, material, and manufacturer);
- Any sealing-off of water-bearing strata;
- Static water level upon completion of the well and after development;
- Drilling date or dates;
- Construction details of well; and

- An explanation of any variations from the work plan.

### **Groundwater Sampling Procedures**

Static water levels will be measured to within 0.01 foot prior to purging and sampling. Purging and sampling of each well will be accomplished using pre-cleaned dedicated PVC bailers on new polypropylene line. All wells will be purged a minimum of three (3) volumes of water standing in the casing or to dryness. Temperature, pH, conductivity, and turbidity will be measured and recorded during purging.

After purging, the turbidity of each well will be measured. If the well water exhibits turbidity above the 50 NTU limit, sampling of the well water for metals only will be delayed for 24 hours. Sample volumes for all other parameters will be collected immediately following purging, with the volatile sample collected first. Upon returning to the well, the turbidity will be remeasured and recorded. No additional purging will be performed.

Groundwater samples will be collected according to the following procedures.

- Water clarity will be quantified during sampling with a turbidity meter;
- When transferring water from the bailer or pump line to sample containers, care will be taken to avoid agitating the sample, since agitation promotes the loss of volatile constituents;
- Any observable physical characteristics of the groundwater (e.g., color, sheen, odor, turbidity) at the time of sampling will be recorded; and
- Weather conditions (i.e., air temperature, sky condition, recent heavy rainfall, drought conditions) at the time of sampling will be recorded.

All groundwater samples and their accompanying QA/QC samples will be analyzed as specified in the Work Plan. One complete round of groundwater sampling will be performed as part of the Supplemental Site investigation.

## **4.5 Sample Documentation**

### **4.5.1 Logbooks**

All field activities will be documented in a field logbook. This logbook will provide a record of activities conducted at the Site. All entries will be signed and dated at the end of each day of fieldwork. The field logbook will include the following: date and time of all entries; names of all personnel on Site; weather conditions (temperature, precipitation, etc.); location of activity; and description of activity.

In addition, Lu Engineers will complete the following standard field forms as necessary:

- Test boring/probing log
- Groundwater elevations, development, sampling and conductivity logs
- Field sampling record

- Chain of custody for all analytical laboratory sampling.

As with any data logbooks, no pages will be removed for any reason. If corrections are necessary, these must be made by drawing a single line through the original entry (so that the original entry can still be read) and writing the corrected entry alongside it. The correction must be initialed and dated. Most corrected errors will require a footnote explaining the correction.

#### **4.5.2 Sample Identification**

All containers of samples collected by Lu Engineers from the project will be identified using a format identified in the field on a label affixed to the sample container (labels are to be covered with Mylar tape). Generally, the format will include two letters identifying the Site (OW – Orchard Whitney), two letters identifying the type of sample (GW – Groundwater), two numbers identifying a sample location, 2-4 additional numbers identifying a sample depth if appropriate, additional letters identifying special parameters (MS/MSD – Matrix Spike/Matrix Spike Duplicate).

Each sample will be labeled and sealed immediately after collection. To minimize handling of sample containers, labels will be filled out prior to sample collection. The sample label will be filled out using waterproof ink and will be firmly affixed to the sample containers and protected with Mylar tape. The sample label will give the sample number, the date of the collection, analysis required, and pH and preservation, if appropriate.

The laboratory sample number will appear on a barcode label affixed to each sample, extract, or digestate.

#### **4.6 Field Instrumentation**

All instruments and equipment used during sampling and analysis will be operated, calibrated, and maintained according to manufacturer's guidelines and recommendations. Operation, calibration, and maintenance will be performed by personnel properly trained in these procedures. Documentation of calibration information will be maintained in the appropriate log book or reference file and will be available upon request. Instruments will be calibrated before each use.

## **5.0 Sample Handling and Custody**

This section describes procedures for sample handling and chain-of-custody to be followed by Lu Engineers' sampling personnel and the analytical laboratory. The purpose of these procedures is to ensure that the integrity of the samples is maintained during their collection, transportation, storage, and analysis. All chain-of-custody requirements comply with SOPs indicated in EPA sample-handling protocol.

Sample identification documents will be carefully prepared so that sample identification and chain-of-custody can be maintained and sample disposition controlled. Sample identification documents include field notebooks, sample labels, custody seals, chain-of-custody records, and laboratory sample log-in and tracking forms.

The primary objective of the chain-of-custody procedures is to provide an accurate written record that can be used to trace the possession and handling of a sample from the moment of its collection through its analyses. A sample is in custody if it is:

- In someone's physical possession;
- In someone's view;
- Locked up; or
- Kept in a secured area that is restricted to authorized personnel.

### **5.1 Sample Containers and Preservation**

For sampling performed by Lu Engineers, prewashed sample containers obtained from a reliable supplier will be provided by the analytical laboratory. All containers provided by the laboratory are pre-cleaned (Level 1), with certificates of analysis available for each bottle type. Certifications of Analysis provided by the vendor are kept on file by the laboratory.

All samples will be stored on ice pending delivery to the laboratory. In addition, all water samples for volatile analysis will be preserved with HCl to a pH of less than 2.0. All water samples for metals analysis will be preserved by adding concentrated nitric acid until the sample pH is lowered to 2.0 standard units or less. Sample pH will be checked in the field using indicator paper. A list of preservatives and holding times for each type of analysis is included in the following Table.



**Table 5.1**  
**Sample Preservation and Holding Times**

| Sample Matrix | Analysis | Container Type and Size                            | Preservation                    | Holding Time                              |
|---------------|----------|----------------------------------------------------|---------------------------------|-------------------------------------------|
| Soil          | VOC      | 2-4 oz. wide mouth glass jar with Teflon-lined cap | Cool to 4°C; minimize headspace | 14 days                                   |
|               | Metals   | glass                                              | Cool to 4°C                     | 6 months                                  |
|               | PCBs     | 2-4 oz. glass jar with Teflon-lined cap            | Cool to 4°C                     | 14 days                                   |
| Groundwater   | VOC      | 3 - 40-ml.glass vial with Teflon-lined cap         | Cool to 4°C; minimize headspace | 7 days, unpreserved<br>14 days, preserved |
|               | Metals   | 40-ml. polyethylene or glass                       | HNO <sub>3</sub> to a pH <2     | 6 months                                  |
|               | PCBs     | 2 - ½ L Amber Jugs                                 | Cool to 4°C                     | 7 days                                    |

\* Holding times are based on verified time of sample receipt

Sample preservation will be verified at the lab just prior to extraction, digestion, and/or analysis and the pH will be recorded in the extraction/digestion logbook. The pH may be checked upon arrival, if desired. If the samples are improperly preserved, a QA/QC discrepancy form will be submitted to the lab manager and QA coordinator for appropriate follow-up action (i.e., evaluation of the data during the data validation process and, if necessary, additional instruction of personnel regarding proper procedures).

## 5.2 Field Custody Procedures

- Sample bottles must be obtained pre-cleaned from the laboratory or directly from an approved retail source. All containers will be prepared in a manner consistent with the NYSDEC ASP 1991 bottle-washing procedures. Coolers or boxes containing cleaned bottles should be sealed with a custody tape seal during transport to the field or while in storage prior to use.
- All containers will have assigned lot numbers to ensure traceability through the supplier.
- As few persons as possible should handle samples.
- The sample collector is personally responsible for the care and custody of samples collected until the samples are transferred to another person or dispatched properly under chain-of-custody rules.
- The sample collector will record sample data in the field notebook.
- The project manager will determine whether proper custody procedures were followed during the fieldwork and decide if additional samples are required.

### **5.2.1 Custody Seals**

Custody seals are preprinted adhesive-backed seals with security slots designed to break if the seals are disturbed. A custody seal is placed over the cap of individual sample bottles by the sampling technician. Sample shipping containers (coolers, cardboard boxed, etc., as appropriate) are sealed in as many places as necessary to ensure security. Seals must be signed and dated before use. Strapping tape should be placed around the lid to ensure that seals are not accidentally broken during shipment and in a manner that allows easy removal by laboratory personnel. On receipt at the laboratory, the custodian must check (and certify, by completing logbook entries) that seals on boxes and bottles are intact.

### **5.2.2 Chain-of-Custody Record**

The chain-of-custody record must be fully completed in duplicate, using black carbon paper where possible, by the field technician who has been designated by the project manager as responsible for sample shipment to the appropriate laboratory for analysis. In addition, if samples are known to require rapid turnaround in the laboratory because of project time constraints or analytical concerns (e.g., extraction time or sample retention period limitations, etc.), the person completing the chain-of-custody record should note these constraints in the "Remarks" section of the custody record.

## **5.3 Sample Handling, Packaging and Shipping**

The transportation and handling of samples must be accomplished in a manner that not only protects the integrity of the sample but also prevents any detrimental effects due to the possible hazardous nature of samples. Regulations for packaging, marking, labeling, and shipping hazardous materials are promulgated by the United States Department of Transportation (DOT) in the Code of Federal Regulations, 49 CFR 171 through 177.

### **5.3.1 Sample Packaging**

Samples must be packaged carefully to avoid breakage or contamination and must be shipped to the laboratory at proper temperatures. The following sample packaging requirements will be followed:

- Sample bottle lids must never be mixed. All sample lids must stay with the original containers.
- The sample bottle should never be completely filled except for VOA bottles. At a minimum, a 10% void space should be left in the bottle to allow for expansion. The sample volume level should be marked with a grease pencil or by placing the top of the label at the appropriate sample height.
- All sample bottles must be sealed around the neck or the jar lid with clear tape. Any custody seals should be affixed prior to sealing the bottle.
- All sample bottles shall be placed in plastic Ziploc® bags to minimize contact with inert packing material, unless foam inserts are used.

- Foam inserts should be used as inert packing material when shipping low hazard water samples via a common carrier to the laboratory.
- Low-hazard environmental samples are to be cooled. “Blue ice” or some other artificial icing material, or ice placed in plastic bags, may be used. Ice will not be used as a substitute for packing material.
- A duplicate custody record must be placed in a plastic bag and taped to the inside of the cooler lid. Custody seals are affixed to the sample cooler.
- The cooler will be labeled as containing a hazardous material if it contains medium or high-hazard samples. Labeling requirements differ depending on the type of material being shipped; the majority of soil samples may be shipped as a class “9” hazardous material with the proper shipping name “OTHER REGULATED SUBSTANCES (ENVIRONMENTAL SAMPLES).”
- A hazardous material shipping manifest will be completed for each cooler of medium to high-hazard samples and affixed to the lid of the cooler.
- Low-hazard environmental samples do not require a hazardous material shipping manifest. The words “LABORATORY SAMPLES” should be printed on the top of the cooler for low-hazard samples.
- Samples packaged and shipped as limited-quantity radioactive material must comply with DOT and shipper regulations for package contamination limits, surface exposure rate, and air bill completion.

### **5.3.2 Shipping Containers**

Environmental samples will be properly packaged and labeled for transport and dispatched for analysis to the appropriate subcontracted laboratory for geotechnical analyses. A separate chain-of-custody record must be prepared for each container. The following requirements for marking and labeling of shipping containers will be observed:

- Use abbreviations only where specified;
- The words “This End Up” or “This Side Up” must be clearly printed on the top of the outer package. Upward-pointing arrows should be placed on the sides of the package. The words “Laboratory Samples” should also be printed on the top of the package; and
- After a container has been closed, two custody seals are placed on the container – one on the front and one on the back. The seals are protected from accidental damage by placing strapping tape over them.

Field personnel will make timely arrangements for transportation of samples to the laboratory. When custody is relinquished to a shipper, field personnel will telephone the laboratory custodian to inform him of the expected time of arrival of the sample shipment and to advise him of any time constraints on sample analysis.

### 5.3.3 Shipping Procedures

- The coolers in which the samples are packed must be accompanied by a chain-of-custody record. When transferring samples, the individuals relinquishing and receiving them must sign, date, and note the time on the record. This record documents sample custody transfer.
- Samples must be dispatched to the laboratory for analysis with a separate chain-of-custody record accompanying each shipment. Shipping containers must be sealed with custody seals for shipment to the laboratory. The method of shipment, name of courier, and other pertinent information are entered in the "Remarks" section of the chain-of-custody record.
- All shipments must be accompanied by the chain-of-custody record identifying their contents. The original record accompanies the shipment, and the yellow copy is retained by the Site team leader.
- If sent by mail, the package is registered with return receipt requested. If sent by common carrier, a bill of lading is used. Freight bills, Postal Service receipts, and bills of lading are retained as part of the permanent documentation.
- Samples must be shipped to the analytical laboratory within 24 to 48 hours from the time of collection.

### 5.4 Laboratory Custody Procedures

The designated sample custodian at the laboratory will be responsible for maintaining the chain-of-custody for samples received at the lab. Among other things, the custodian must adhere to the following basic requirements:

- When the sample arrives at the lab, the custodian will complete a Cooler Receipt & Preservation Form for each cooler/package container.
- Upon receipt, the coolers are examined for the presence and condition of custody seals, locks, shipping papers, etc. Shipping labels are removed and placed on scrap paper and added to the receiving paper work. The custodian then completes the chain-of-custody record by signing and recording the date and time the package is opened.
- Acceptance criteria for cooler temperature is 0-6°C. If a cooler exhibits a temperature outside this range, the anomalies are noted on the Cooler Receipt & Preservation Form.
- The custodian will then unload the samples from the cooler(s)/container(s), assign an identification number to each sample container, and affix a barcode label to each sample container for logging in and out of the LIMS system.

Adherence to this procedure will ensure that all samples can be referenced in the computer tracking system. All sample control and chain-of-custody procedures applicable to the analytical laboratory are presented in laboratory SOPs available for review.

## **6.0 Analytical Methods**

All laboratory analyses will be performed by Upstate Laboratories, an accredited and appropriately (NYSDEC ELAP CLP) certified analytical laboratory. Inorganic, general analytical and organic methods to be performed by the laboratory for this project are listed in Table 1 of this QAPP.

### **6.1 Analytical Capabilities**

The analytical laboratory is fully equipped for analysis of all types of water, air, and soil samples for chemical contaminants, bacteriological quality, and general characterization. Proven and approved analytical techniques are used, backed up by a rigorous system of QC and QA checks to ensure reliable and defensible data. All laboratory work is performed in accordance with guidelines established by EPA, the New York State Department of Health (NYSDOH), and the National Institute of Occupational Safety and Health (NIOSH), if applicable.

Organic analysis is accomplished by gas chromatography (GC), high performance liquid chromatography (HPLC), and or GC/mass spectrometry (MS). Liquid, soil, and air samples are analyzed routinely for pesticides, polychlorinated biphenyls (PCBs), volatile organics, extractable organics, and other groups of compounds, as necessary. The laboratory uses two types of instruments for analysis of metals in various matrices: AAS and ICP.

Laboratory procedures to be utilized for sample preparation and analysis are referenced in the NYSDEC Analytical Services Protocol.

#### **Method Detection Limits**

Method detection limits are determined according to procedures outlined in 40 CFR Part 136, Appendix B or EPA Contract Laboratory Protocol. General analytical detection limits are usually determined by the lowest point on the curve. Detection limits are determined at least annually for all appropriate analytical methods. A listing of the laboratory's method detection limits is available upon request.

### **6.2 Quality Control Samples**

Laboratory QC consists of analysis of laboratory blanks, duplicates, spikes, standards, and QC check samples as appropriate to the methodology. These laboratory QC samples are described below.

#### **6.2.1 Laboratory Blanks**

Three types of laboratory blanks, one or more of which will be utilized depending on the analysis are described below:

- Method blanks consist of analyte-free water and are subjected to every step of the analytical procedure to determine possible contamination.

- Reagent blanks are similar to method blanks but incorporate only one of the preparation reagents in the analysis. When a method blank indicates significant contamination, one or more reagent blanks are analyzed to determine the source.
- Calibration blanks consist of pure reagent matrix and are used to zero an instrument's response, thus establishing the baseline.

### **6.2.2 Calibration Standards**

A calibration standard may be prepared in the laboratory by dissolving a known amount of a pure compound in an appropriate matrix. The final concentration calculated from the known quantities is the true value of the standard. The results obtained from these standards are used to generate a standard curve and thereby quantitate the compound in the environmental sample. A minimum of three calibration standards will be used to generate a standard curve for all analyses.

### **6.2.3 Reference Standard**

A reference standard is prepared in the same manner as a calibration standard but from a different source. Reference standards may be obtained from the EPA. The final concentration calculated from the known quantities is the "true" value of the standard. The important difference in a reference standard is that it is not carried through the same process used for the environmental samples, but is analyzed without digestion or extraction. A reference standard result is used to validate an existing concentration calibration standard file or calibration curve.

### **6.2.4 Spike Sample**

A sample spike is prepared by adding to an environmental sample (before extraction or digestion) a known amount of pure compound of the same type that is to be assayed for in the environmental sample. Spikes are added at one to 10 times the expected sample concentration or approximately 10 times the method detection limit. These spikes simulate the background and interferences found in the actual samples, and the calculated percent recovery of the spike is taken as a measure of the accuracy of the total analytical method.

A blank spike is the same as a spike sample except the spike is added to analyte-free water. The blank spike is used to determine whether the sample preparation and analysis are under control.

### **6.2.5 Surrogate Standard**

A surrogate is prepared by adding a known amount of pure compound to the environmental sample; the compound selected is not one expected to be found in the sample, but is similar in nature to the compound of interest. Surrogate compounds are added to the sample prior to extraction or digestion. Surrogate spike concentrations indicate the percent recovery of the analytes and, therefore, the efficiency of the methodology.

### **6.2.6 Internal Standard**

Internal standards are similar to surrogate standards in chemical composition but are used to quantify the concentration of analytes sampled based on the relative response factor. Internal standards are added to the environmental sample just prior to instrumental analysis.

### **6.2.7 Laboratory Duplicate or Matrix Spike Duplicate**

Laboratory duplicates are aliquots of the same sample that are split prior to analysis and treated exactly the same throughout the analytical method. Spikes and duplicates for the batch are normally aliquots of the same sample. For organics, spikes are added at approximately 10 times the method detection limit. The RPD between the values of the matrix spike and matrix spike duplicate for organics or between the original and the duplicate for inorganics is taken as a measure of the precision of the analytical method.

In general, the tolerance limit for RPDs between laboratory duplicates should not exceed 20% for validation in homogeneous samples.

### **6.2.8 Check Standard/Samples**

Inorganic and organic check standards or samples are prepared with reference standards or are available from the EPA. They are used as a means of evaluating analytical techniques of the analyst. Check standards or samples are subjected to the entire sample procedure, including extraction, digestion, etc., as appropriate for the analytical method utilized. The check standard or sample can provide information on the accuracy of the analytical method independent of various sample matrices.

## **6.3 Laboratory Instrumentation**

Laboratory capabilities will be demonstrated initially for instrument and reagent/ standards performance as well as accuracy and precision of analytical methodology. A discussion of reagent/standard procedures and brief descriptions of calibration procedures for major instrument types follow.

All standards are obtained directly from EPA or through a reliable commercial supplier with a proven record for quality standards. All commercially supplied standards will be traceable to EPA or NIST reference standards and appropriate documentation will be obtained from the supplier. In cases where documentation is not available, the laboratory will analyze the standard and compare the results to a known EPA-supplied or previous NIST-traceable standard.

All sections of the laboratory will have SOP for standard and reagent procedures to document specific standard receipt, documentation, and preparation activities. In general, the individual SOPs incorporate the following items:

- Documentation and labeling of date received, lot number, date opened, and expiration date;
- Documentation of traceability;
- Preparation, storage, and labeling of stock and working solutions; and
- Establishing and documenting expiration dates and disposal of unusable standards.

Each laboratory instrument will be labeled clearly with a unique identifier that relates to all laboratory calibration documentation. Laboratory SOPs and calibration procedures are detailed in the laboratory's Quality Assurance Manual, available upon request.



## **7.0 Data Reporting and Validation**

### **7.1 Deliverables**

Once the contract laboratory has provided all analytical data and hydrogeologic information has been evaluated, Lu Engineers will develop a report on the findings of the investigation and remedial measures. The report will be prepared as indicated by the following outline:

- 1.0 SUMMARY OF FIELD ACTIVITIES
- 2.0 CONTAMINATION EVALUATION
  - 2.1 Findings
  - 2.2 Data Evaluation
  - 2.3 Regulatory Review
  - 2.4 Exposure Pathways
- 3.0 CONCLUSIONS AND RECOMMENDATIONS

The report will carefully document all findings of the investigation and will be supplemented with photographic documentation, subsurface soil logs, cross sections, and study area plans indicating groundwater flow direction and sub aerial contaminant distribution.

#### **7.1.1 Category B Data Package**

All analytical data will be reported by the laboratory with NYSDEC ASP Category B deliverables. The Category B data package includes:

1. A detailed summary of the report contents and any quality control outliers or corrective actions taken.
2. Chain of Custody documentation
3. Sample Information including: date collected, date extracted, date analyzed, and analytical methods.
4. Data (including raw data) for:
  - samples
  - laboratory duplicates
  - method blanks
  - spikes and spike duplicates
  - surrogate recoveries
  - internal standard recoveries
  - calibrations
  - any other applicable QC data
5. Method detection limits and/or instrument detection limits
6. Run logs, standard preparation logs, and sample preparation logs
7. Percent solids (where applicable).

### **7.1.2 Quality Assurance Reports**

For the laboratory, a general QA report summarizing problems encountered throughout the laboratory effort, including sample custody, analyses, and reporting, is provided to Lu Engineers' project QA management by the QA coordinator. This report identifies areas of concern and possible resolutions in an effort to ensure data quality.

Upon completion of a project sampling effort, analytical and QC data will be included in a comprehensive report that summarizes the work and provides a data evaluation. A discussion of the validity of the results in the context of QA/QC procedures will be made, as well as a summation of all QA/QC activity.

Serious analytical or sampling problems will be reported to NYSDEC. Time and type of corrective action, if needed, will depend on the severity of the problem and relative overall project importance. Corrective actions may include altering procedures in the field, conducting an audit, or modifying laboratory protocol. All corrective actions will be implemented after notification and approval of NYSDEC.

In addition to the laboratory report narrative, QA data validation reports that include any contractual requirements will also be provided to NYSDEC. These QA reports will be submitted with the analytical data, on a monthly basis, or at the conclusion of the project.

## **7.2 Data Validation and Usability**

Prior to the submission of the report to NYSDEC, all data will be evaluated for precision, accuracy, and completeness.

QA/QC requirements from both methodology and company protocols will be strictly adhered to during sampling and analytical work. All data generated will be reviewed by comparing and interpreting results from instrumental responses, retention time, determination of percent recovery of spiked samples or blanks, and reproducibility of duplicate sample results. All calculations and data manipulations are included in the appropriate methodology references. Control charts and calibration curves will be used to review the data and identify outlying results.

### **7.2.1 Data Validation**

If necessary, a third-party validator will be responsible for an independent review of all analytical work performed under the NYSDEC ASP-CLP protocol. The functions will be to assess and summarize the quality and reliability of the data for the purpose of determining its usability and to document for the historical record of each Site any factors affecting data usability, such as discrepancies, poor laboratory practices, and Site locations that are difficult to analyze. The data validator will be responsible for determining completeness and compliance. Lu Engineers' QA officer will be responsible for determining data usability and overseeing the work of the data validator.

Information available to the data validator and the QA officer for performance of these functions include the NYSDEC ASP Category B data package, information from the sampling team regarding field conditions and field QA samples, chain-of-custody and shipping forms. The data package is designed to provide all necessary documentation to verify compliance with NYSDEC ASP CLP protocol and the accuracy and reliability of the reported results.

The laboratory will deliver the data package to the project QA coordinator for processing prior to submission to the data validator. The project QA coordinator will review the report for immediate problems, summarize the data for in-house use, and process the work order for the third-party data-validation subcontract within five working days.

In order to effectively review the data package, the data validator will obtain a general overview of each case. This includes the exact number of samples, their assigned numbers, and their matrix. The data validator will deliver the data validation report within 30 days of receipt of the data package.

If a problem arises between the data validator and the laboratory, the data validator must submit written questions to the laboratory. The laboratory will be required to respond in writing within 10 working days to correct any deficiencies. If the data validator does not receive a written response from the laboratory within the specified time period, the data in question shall be considered noncompliant.

Sampling locations will be obtained from the sampling records, such as the chain-of-custody forms. This information is necessary for preparation of the data summary, evaluation of adherence to sample holding times, discussion of matrix problems, and discussion of contaminants detected in the samples.

The following is a brief outline of the data validation process:

- Compilation of all samples with the dates of sampling, laboratory receipt, and analysis;
- Compilation of all QC samples, such as field blanks, field duplicates, MS/MSD samples, laboratory blanks, and laboratory replicates;
- Review of chain-of-custody documents for completeness and correctness;
- Review of laboratory analytical procedure and instrument performance criteria;
- Qualification of data outside acceptable QC criteria ranges;
- Preparation of a memorandum summarizing any problems encountered and the potential effects on data usability;
- Preparation of a data summary, including validated results, with sample matrix, location, and identification; and
- Tabulation of field duplicates, laboratory replicate, and blank results.

Copies of all data validation and usability reports, as well as all data summary packages, will be provided to the NYSDEC project manager. In addition, copies of all analytical raw data will be provided to NYSDEC upon request.

### **7.2.2 Data Usability**

A Data Usability Summary Report (DUSR) will be provided after review and evaluation of the analytical data package. The DUSR will contain required elements listed in Appendix 2B of *DER-10 Technical Guidance for Site Investigation and Remediation*.

The DUSR will include a description of the samples and analytical procedures used. Any data deficiencies, protocol deviations, or quality control problems will be discussed as to their effect on data results. The report will also include any suggestions for resampling or reanalysis.

**TABLE 1  
SAMPLING AND ANALYSIS SUMMARY**

| Sample Type                                              | Sample Location                          | Analytical Parameter           | Analytical Method    | Reporting Level          | # Field Samples | Field Duplicates | Blanks |      | MS/MSD | Total |
|----------------------------------------------------------|------------------------------------------|--------------------------------|----------------------|--------------------------|-----------------|------------------|--------|------|--------|-------|
|                                                          |                                          |                                |                      |                          |                 |                  | Equip  | Trip |        |       |
| Subsurface Soils – Test Pit Excavations and Soil Borings | 9 test pit excavations                   | TCL VOC<br>RCRA Metals<br>PCBs | 8260<br>6020<br>8082 | Category B<br>(Level IV) | 9               | 1                | 1      |      | 1/1    | 13    |
|                                                          | 5 soil borings<br>(for monitoring wells) | TCL VOC<br>RCRA Metals<br>PCBs | 8260<br>6020<br>8082 |                          | 5               | 1                | 1      |      | 1/1    | 9     |
| Groundwater – New Monitoring Wells                       | 4 newly installed wells                  | TCL VOC<br>TAL Metals<br>PCBs  | 8260<br>6020<br>8082 |                          | 4               | 1                | 1      | 1    | 1/1    | 9     |

Note: Sample quantities are estimated. Additional samples may be required according to actual field, subsurface soil, and groundwater conditions as encountered during Supplemental Site Investigation work activities.

**Appendix N – Community Air Monitoring Plan**

---

# COMMUNITY AIR MONITORING PLAN

## Supplemental Site Investigation

City of Rochester  
Environmental Restoration Project  
415 Orchard Street and 354 Whitney Street  
Monroe County, New York

Prepared For:



City of Rochester  
Department of Environmental Services  
Division of Environmental Quality  
30 Church Street  
Rochester, New York 14614

Prepared By:



Lu Engineers  
175 Sully's Trail  
Suite 202  
Pittsford, New York 14534

**May 2015**

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## **1.0 Introduction**

This Community Air Monitoring Plan (CAMP) has been prepared by Lu Engineers on behalf of the City of Rochester. This CAMP addresses potential volatile organic compound (VOC) and particulate air quality issues which may arise during planned Supplemental Site Investigation (SSI) activities at the Orchard/Whitney Site located at 415 Orchard Street and 354 Whitney Street, Rochester, New York.

The investigation activities planned during the portion of the project covered by this CAMP include test pit excavations, soil borings, groundwater monitoring well installations, and groundwater sampling.

Based on previous studies completed at the Site and the Site's history, the primary chemicals of concern at the subject site are various volatile organic compounds (VOCs) and metals. Disturbance of soils and/or groundwater could result in volatilization of the organic compounds and fugitive dust releases to the ambient air creating possible nuisance or health threats to the neighborhood.

This CAMP details real-time monitoring activities to be carried out during the remedial investigation activities, to minimize the potential for neighborhood exposure to airborne hazards resulting from fugitive emissions during field work.

Air monitoring and response actions for VOCs and particulates are included in this CAMP. VOC and particulate monitoring of the work areas will also be conducted as part of the Health and Safety Plan (HASP) that will be implemented during Remedial Investigation activities by Lu Engineers. The following monitoring, response levels and actions are adapted from DER-10 NYSDOH Generic Community Air Monitoring Plan.

## **2.0 Methodology**

The Remedial Investigation activities at the Site will consist primarily of test pit excavations, soil borings, groundwater well installations, and groundwater sampling. The following programs will be implemented to monitor and, if necessary, control the potential migration of fugitive VOCs and particulates on the property.

Continuous monitoring will be required for all ground intrusive activities, and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities include but are not limited to, soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be required during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from newly

installed wells. Periodic monitoring during sampling may reasonably consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well bailing/purging, and taking a reading prior to leaving a sample location.

## **2.1 Perimeter Monitoring**

For each day of intrusive field work, a wind sock or flag will be used to monitor wind direction in the area of the work zone. Based upon the daily wind direction, two temporary monitoring points will be identified, one upwind and one downwind of the work area, at the perimeter of the site or field work location.

VOC monitoring will be done with a photoionization detector (PID-MiniRAE Model 2000 or its equivalent) fitted with a 10.6 eV lamp. Prior to the commencement of field work each day, background measurements of VOC concentrations will be logged at the upwind and downwind locations with the drill rig engine and any other gas/diesel engines operation on Site. Thereafter, readings will be recorded at approximate 15-minute intervals. These readings will be used to observe the difference between upwind and downwind VOC levels. If at any time, the downwind VOC levels exceed upwind levels (adjusted for engine exhaust) by 5 ppm (sustained), the work will be temporarily halted. The Contractor will then be required to implement the means necessary to control VOCs and explosive gases, similar to those discussed in Section 2.3.

Monitoring for explosivity using an explosive gas meter will be routinely conducted during site activities as a precautionary measure to ensure site personnel are not subjected to any dangerous conditions.

Particulate monitoring will be done with a real time particulate meter (Mini Ram) capable of monitoring particulate matter less than 10 microns in size (PM-10). Prior to the commencement of field work each day, background measurements of particulate levels will be logged at the upwind and downwind locations. Thereafter, readings and visual observations will be recorded at approximate 15-minute intervals. If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m<sup>3</sup>) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques must be employed.

Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m<sup>3</sup> above the upwind level and provided that no visible dust is migrating from the work area. If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m<sup>3</sup> above upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m<sup>3</sup> of the upwind level and in preventing visible dust migration.

## **2.2 Work Area Monitoring**

In addition to perimeter monitoring, monitoring for VOCs, particulates and explosive gases will be carried out continuously within the work area to monitor personal exposures and to compare work area readings with downwind and upwind readings. The first readings of the day will be obtained prior to the commencement of work to obtain daily background readings. Readings will be logged along with the perimeter measurements. Specific monitoring procedures to be used in the work zone can be found in the Health and Safety Plan (HASP) prepared for this site.

## **2.3 Minor Vapor Emissions Response Plan**

If the ambient air concentration of total organic vapors exceeds 5 ppm (sustained) above the background at the perimeter of the work area, activities will be halted and monitoring continued.

If the total organic vapor level decreases below 5 ppm above background, work activities can resume, with emphasis given to observing spikes in levels. If the total organic vapor levels are greater than 5 ppm over background but less than 25 ppm over background at the perimeter of the work area, activities can resume provided the organic level 200 ft. downwind of the work area or half the distance to the nearest residential or commercial structure, whichever is less, is below 5 ppm over the background. (The locations of structures in the subject neighborhood may not allow the 200 ft. buffer zone to be used).

If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown. When work shutdown occurs, downwind air monitoring as directed by the Safety Officer will be implemented to evaluate if the vapor emission levels exceed those specified in Section 2.4, Major Vapor Emission Response Plan.

## **2.4 Major Vapor Emission Response Plan**

If total organic vapor levels greater than 5 ppm over background are identified 200 ft. downwind from the work area or half the distance to the nearest residential or commercial structure, whichever is less, all work activities must be halted.

If, following the cessation of the work activities, or as the result of an emergency, total organic vapor levels greater than 5 ppm above background persist 200 ft. downwind or half the distance to the nearest residential or commercial structure, then the air quality must be monitored within 20 ft. of the perimeter of the nearest residential or commercial structure (20-foot zone).

If efforts to abate the emission source area are unsuccessful and if the organic vapor levels continue to persist at or near 5 ppm above background for more than 30 minutes in the 20-foot zone, then the Major Vapor Emission Response Plan shall automatically be placed into effect.

The Major Vapor Emission Response Plan shall also be immediately placed into effect if organic vapor levels are greater than 10 ppm above background at the 20-foot zone.

Upon activation, the following activities will be undertaken:

1. All Emergency Response Contacts as listed in the Health and Safety Plan will be contacted.
2. The local police authorities will immediately be contacted by the Safety Officer and advised of the situation. Evacuation or neighborhood notification plans can be discussed at that time.
3. Air monitoring will be conducted at 30-minute intervals within the 20-foot Zone. If two successive readings below action levels are measured, air monitoring may be halted or modified by the Safety Officer.

### **3.0 Record Keeping and Quality Control**

For the duration of the field activities, a monitoring log book will be kept to record calibration, operational notes and monitoring readings. All readings must be recorded and available for State review. Instantaneous readings, if any, used for decision purposes should also be recorded. The results of the Community Air Monitoring Program will be incorporated by Lu Engineers into required reports.

Instrumentation will be calibrated and/or operationally checked, either daily or at intervals recommended by the manufacturer. Only approved calibration gases will be used. All operators will have been trained in the proper use, maintenance, limitation, and interpretation of results of the monitoring equipment.

Environmental Restoration Program  
(Orchard-Whitney Site)  
415 Orchard Street and 354 Whitney Street  
MONROE COUNTY  
ROCHESTER, NEW YORK

# SITE MANAGEMENT PLAN

NYSDEC Site Number: #E828123

**Prepared for:**

City of Rochester  
City Hall, Room 300B  
30 Church Street  
Rochester, New York 14614

**Prepared by:**

Lu Engineers  
339 East Avenue, Suite 200  
Rochester, New York 14604  
(585) 385-7417

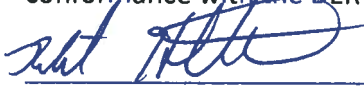
**Revisions to Final Approved Site Management Plan:**

| Revision No. | Date Submitted | Summary of Revision | NYSDEC Approval Date |
|--------------|----------------|---------------------|----------------------|
|              |                |                     |                      |
|              |                |                     |                      |
|              |                |                     |                      |

October 2016

CERTIFICATION STATEMENT

I Robert Huttenlocher certify that I am currently a [NYS registered professional engineer or Qualified Environmental Professional as in defined in 6 NYCRR Part 375] and that this Site Management Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

 (P.E., QEP)  
10-12-16 DATE

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415 Orchard Street  
MONROE COUNTY  
ROCHESTER, NEW YORK**

**SITE MANAGEMENT PLAN**

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## List of Acronyms

|        |                                                                      |
|--------|----------------------------------------------------------------------|
| ASP    | Analytical Services Protocol                                         |
| BCA    | Brownfield Cleanup Agreement                                         |
| BCP    | Brownfield Cleanup Program                                           |
| CERCLA | Comprehensive Environmental Response, Compensation and Liability Act |
| CAMP   | Community Air Monitoring Plan                                        |
| C/D    | Construction and Demolition                                          |
| CFR    | Code of Federal Regulation                                           |
| CLP    | Contract Laboratory Program                                          |
| COC    | Certificate of Completion                                            |
| CO2    | Carbon Dioxide                                                       |
| CP     | Commissioner Policy                                                  |
| DER    | Division of Environmental Remediation                                |
| EC     | Engineering Control                                                  |
| ECL    | Environmental Conservation Law                                       |
| ELAP   | Environmental Laboratory Approval Program                            |
| ERP    | Environmental Restoration Program                                    |
| EWP    | Excavation Work Plan                                                 |
| HASP   | Health and Safety Plan                                               |
| IC     | Institutional Control                                                |
| NYSDEC | New York State Department of Environmental Conservation              |
| NYSDOH | New York State Department of Health                                  |
| NYCRR  | New York Codes, Rules and Regulations                                |
| O&M    | Operation and Maintenance                                            |
| OM&M   | Operation, Maintenance and Monitoring                                |
| OSHA   | Occupational Safety and Health Administration                        |
| OU     | Operable Unit                                                        |
| PID    | Photoionization Detector                                             |
| PRP    | Potentially Responsible Party                                        |
| PRR    | Periodic Review Report                                               |
| QA/QC  | Quality Assurance/Quality Control                                    |
| QAPP   | Quality Assurance Project Plan                                       |
| RAO    | Remedial Action Objective                                            |

### List of Acronyms (Contd.)

|       |                                               |
|-------|-----------------------------------------------|
| RAWP  | Remedial Action Work Plan                     |
| RCRA  | Resource Conservation and Recovery Act        |
| RI/FS | Remedial Investigation/Feasibility Study      |
| ROD   | Record of Decision                            |
| RP    | Remedial Party                                |
| RSO   | Remedial System Optimization                  |
| SAC   | State Assistance Contract                     |
| SCG   | Standards, Criteria and Guidelines            |
| SCO   | Soil Cleanup Objective                        |
| SMP   | Site Management Plan                          |
| SOP   | Standard Operating Procedures                 |
| SPDES | State Pollutant Discharge Elimination System  |
| SSD   | Sub-slab Depressurization                     |
| SVE   | Soil Vapor Extraction                         |
| SVI   | Soil Vapor Intrusion                          |
| TAL   | Target Analyte List                           |
| TCL   | Target Compound List                          |
| TCLP  | Toxicity Characteristic Leachate Procedure    |
| USEPA | United States Environmental Protection Agency |
| UST   | Underground Storage Tank                      |
| VCA   | Voluntary Cleanup Agreement                   |
| VCP   | Voluntary Cleanup Program                     |

## ES EXECUTIVE SUMMARY

The following provides a brief summary of the controls implemented for the Site, as well as the inspections, monitoring, maintenance and reporting activities required by this Site Management Plan:

Site Identification:

Site #: E828123 Orchard-Whitney Site

|                                                           |                                                                                                                 |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Institutional Controls:                                   | 1. The property may be developed for commercial or industrial use only.                                         |
|                                                           | 2. Implement, maintain, and monitor the Site cover system.                                                      |
|                                                           | 3. Prevent future exposure to remaining contamination by controlling disturbances of the surface contamination. |
|                                                           | 4. City of Rochester Building Information System (BIS) – Activities use limitation flag.                        |
| Engineering Controls:                                     | 1. Site cover system (Cap)                                                                                      |
|                                                           |                                                                                                                 |
| Inspections:                                              | Frequency                                                                                                       |
| 1. Cover inspection                                       | Annually                                                                                                        |
| Monitoring:                                               |                                                                                                                 |
| 1. Groundwater Monitoring Well Sampling                   | Quarterly                                                                                                       |
| 2. Potential asbestos containing material (PACM) sampling | As needed                                                                                                       |
| Maintenance:                                              |                                                                                                                 |
| 1. Site cover                                             | As needed                                                                                                       |
| Reporting:                                                |                                                                                                                 |
| 1. Periodic Review Report                                 | Annually                                                                                                        |

Further descriptions of the above requirements are provided in detail in the latter sections of this Site Management Plan (SMP).

# 1.0 INTRODUCTION

## 1.1 General

This Site Management Plan (SMP) is a required element of the remedial program for the Orchard-Whitney Site located in Rochester, New York (hereinafter referred to as the “Site”). See Figure 1. The Site is currently in the New York State (NYS) Environmental Restoration Program (ERP), Site No. E828123, administered by New York State Department of Environmental Conservation (NYSDEC).

The City of Rochester secured grants from the United States Environmental Protection Agency’s (USEPA’s) Brownfield Assistance Program to partially fund Site investigation and remediation. In addition, the City also secured a State Assistance Contract (SAC) under the NYDEC’s ERP to assist with remedial investigation (RI) and interim remedial measures (IRM) work.

A figure showing the Site location and boundaries of this Site is provided in Figure 2. The boundaries of the Site are more fully described in the metes and bounds Site description that is part of the Environmental Easement provided in Appendix D.

After completion of the remedial work, some contamination was left at this Site, which is hereafter referred to as “remaining contamination”. Institutional and Engineering Controls (ICs and ECs) have been incorporated into the Site remedy to control exposure to remaining contamination to ensure protection of public health and the environment. An Environmental Easement granted to the NYSDEC, and recorded with the Monroe County Clerk’s Office, requires compliance with this SMP and all ECs and ICs placed on the Site.

This SMP was prepared to manage remaining contamination at the Site until the Environmental Easement is extinguished in accordance with ECL Article 71, Title 36. This plan has been approved by the NYSDEC, and compliance with this plan is required by the grantor of the Environmental Easement and the grantor’s successors and assigns. This SMP may only be revised with the approval of the NYSDEC.

It is important to note that:

- This SMP details the Site-specific implementation procedures that are required by the Environmental Easement. Failure to properly implement the SMP is a violation of the Environmental Easement, which is grounds for revocation of the Certificate of Completion (COC);
- Failure to comply with this SMP is also a violation of Environmental Conservation Law, 6NYCRR Part 375 and the SAC (Site #E828123) for the Site, and thereby subject to applicable penalties.

All reports associated with the Site can be viewed by contacting the NYSDEC or its successor agency managing environmental issues in New York State. A list of contacts for persons involved with the Site is provided in Appendix A of this SMP.

This SMP was prepared by Lu Engineers, on behalf of the City of Rochester, in accordance with the requirements of the NYSDEC's DER-10 ("Technical Guidance for Site Investigation and Remediation"), dated May 3, 2010, and the guidelines provided by the NYSDEC. This SMP addresses the means for implementing the ICs and/or ECs that are required by the Environmental Easement for the Site.

## **1.2 Revisions**

Revisions to this plan will be proposed in writing to the NYSDEC's project manager. Revisions will be necessary upon, but not limited to, the following occurring: a change in media monitoring requirements, upgrades to or shut-down of a remedial system, post-remedial removal of contaminated sediment or soil, or other significant change to the Site conditions. In accordance with the Environmental Easement for the Site, the NYSDEC will provide a notice of any approved changes to the SMP, and append these notices to the SMP that is retained in its files.

## **1.3 Notifications**

Notifications will be submitted by the property owner to the NYSDEC, as needed, in accordance with NYSDEC's DER – 10 for the following reasons:

- 60-day advance notice of any proposed changes in Site use that are required under the terms of the BCA, 6NYCRR Part 375 and/or Environmental Conservation Law.
- 7-day advance notice of any field activity associated with the remedial program.
- 15-day advance notice of any proposed ground-intrusive activity pursuant to the Excavation Work Plan.
- Notice within 48-hours of any damage or defect to the foundation, structures or EC that reduces or has the potential to reduce the effectiveness of an EC, and likewise, any action to be taken to mitigate the damage or defect.
- Verbal notice by noon of the following day of any emergency, such as a fire; flood; or earthquake that reduces or has the potential to reduce the effectiveness of ECs in place at the Site, with written confirmation within 7 days that includes a summary of actions taken, or to be taken, and the potential impact to the environment and the public.
- Follow-up status reports on actions taken to respond to any emergency event requiring ongoing responsive action submitted to the NYSDEC within 45 days describing and documenting actions taken to restore the effectiveness of the ECs.

Any change in the ownership of the Site or the responsibility for implementing this SMP will include the following notifications:

- At least 60 days prior to the change, the NYSDEC will be notified in writing of the proposed change. This will include a certification that the prospective purchaser/Remedial Party has been provided with a copy of the Brownfield Assistant Program (BAP), State Assistance Contract (SAC), and all approved work plans and reports, including this SMP.

- Within 15 days after the transfer of all or part of the Site, the new owner’s name, contact representative, and contact information will be confirmed in writing to the NYSDEC.

Table 1 includes contact information for the above notification. The information on this table will be updated as necessary to provide accurate contact information. A full listing of Site-related contact information is provided in Appendix A.

**Table 1: Notifications\***

| Name                        | Contact Information                   |
|-----------------------------|---------------------------------------|
| Todd M. Caffoe              | (585) 226-5350 Todd.Caffoe@dec.ny.gov |
| NYSDEC Regional HW Engineer | (585) 226-2466                        |

\* Note: Notifications are subject to change and will be updated as necessary.

## **2.0 SUMMARY OF PREVIOUS INVESTIGATIONS AND REMEDIAL**

### **2.1 Site Location and Description**

The Site is located in the City of Rochester, Monroe County, New York and is identified as Sections 105.66-3-24 (354 Whitney Street) and 105.66-3-23 (415 Orchard Street) on the City of Rochester Tax Map (included as part of Appendix D). The Site is an approximately 4.073-acre area and is bounded by mixed residential and commercial/industrial uses on Lyell Avenue to the north, an operating commercial/industrial use structure to the south, Orchard Street to the east, and Whitney Street to the west (see Figure 2 – Site Plan). The boundaries of the Site are more fully described in Appendix D – Environmental Easement. The owner(s) of the Site parcel(s) at the time of issuance of this SMP is the City of Rochester.

### **2.2 Physical Setting**

#### **2.2.1 Land Use**

The Site is currently a fenced vacant lot covered mainly with concrete slabs under a one (1) foot layer of crushed demolition debris as a Site cap. The Site is zoned for commercial or light industrial use.

Crushed masonry, brick, concrete and stone building materials generated during the demolition process of the 354 Whitney Street and 415 Orchard Street parcels was used as the Site cover material and to create a sloped berm against the wall remaining along the southern property line of 415 Orchard Street.

The Site is bordered by Orchard Street to the east, a former railroad right-of-way to the south, Whitney Street to the west, and commercial buildings with frontage on Lyell Avenue, to the north.

#### **2.2.2 Geology**

According to the New York State Museum Map of New York, Finger Lakes Sheet, native soils beneath the Site consist mainly of lacustrine sands and silts; soils are underlain by Upper Silurian Dolostones of the Lockport Group. Bedrock depths vary from a minimum depth of approximately seven (7) feet to a maximum depth of greater than 38 feet below grade.

Bedrock is generally characterized as hard, slightly weathered, massively bedded Dolostone with few water-bearing fractures. Rock quality designations were generally found to be between 50 and 75%. Based on the characteristics of the bedrock at the Site, it is concluded that groundwater flow is through the saturated overburden and the bedrock/overburden interface.

During the intrusive work completed as part of historic and recent Site investigations, very little weathered bedrock was observed, but the majority of bedrock fractures appeared to be within two (2) to three (3) feet of the bedrock surface. Higher permeability overburden was also observed in direct contact with the bedrock surface. The bedrock/overburden interface appears to represent a zone of higher permeability with the potential to increase contaminant mobility.

Geologic cross sections are shown in Figures 3 and 4. Site specific boring logs are provided in

## Appendix E.

### 2.2.3 Hydrogeology

Overburden groundwater flow patterns at the Site were generated using groundwater level measurements from the on-Site wells. Groundwater flow direction is oriented perpendicular to the projected groundwater contour lines and trends down-gradient. Groundwater elevations are highest on the southwestern portion of the property and lowest along the northeastern portion, resulting in a general northeastward groundwater flow direction. Groundwater elevations decrease by up to 9 ft north-eastward across the Site. This is consistent with findings of the September 2005 EPA Targeted Site Assessment Project, and local topography (i.e., Barge Canal and Genesee River Gorge northeast of the Site).

Hydraulic conductivity and groundwater level data collected during the SI have indicated the following:

- Overburden material underlying the Site consists of a combination of sand, silt, and gravel (fill material) overlying a glacial till (silt, sand and gravel).
- Bedrock at the Site is located at an average depth of 14 ft bgs.
- Hydraulic conductivity measurements for on-Site wells (MW-9, MW-10, MW-14, MW-20 & MW-22) averaged  $1.47 \times 10^{-5}$  ft/min.
- The approximate maximum groundwater flow velocity has been calculated to be  $1.46 \times 10^{-6}$  ft/sec (0.126 ft/day).
- Depth to groundwater in the uppermost water bearing zone ranged between 5.5 and 10 ft bgs Site-wide during the historic sampling event in December 2012 (maximum of approximately 22 ft bgs at MW-25 on raised berm).
- Depth to groundwater ranged between 5.7 and 16.65 ft bgs Site-wide during the most recent groundwater measurement event in November 2015.
- Overall groundwater flow in the uppermost water bearing zone at the Site is generally from the southwest to the northeast.
- Well casing elevations were surveyed and established using survey-grade GPS to NAD 83 coordinates on August 14, 2015. Groundwater appears to primarily flow generally northeast across the Site. Subsequent data obtained in November, 2015 suggests a south eastward migration vector, primarily due to the unusually low groundwater elevation observed in MW-25.
- Overall groundwater flow appears to follow a general east, northeast flow direction. It is noted that MW-27 was omitted from the data used for the Figure 5 Groundwater Contour Map development due to its anomalously low elevation representative of deeper flow conditions than observed within the SI/IRM areas. This estimation is based, in part, on the deeper screen interval used in construction of this well and previous observations of subsurface conditions in the immediate vicinity of MW-27. Bedrock depth at MW-27 is substantially deeper at the south end of the former petroleum storage/plating area(s). No environmental impacts have been identified in deeper soil or groundwater in this area of the Site in previous or the current 2015 investigation effort.

A groundwater contour map is shown in Figure 5 generated using measurements collected in November 2015. Groundwater elevation data is provided in Table 2. Groundwater monitoring well construction logs are provided in Appendix E.



## 2.3 Investigation and Remedial History

Previous additional IRMs were performed in accordance with the *Remedial Investigation and Interim Remedial Measures Work Plan (April 2011)* and included:

- Detailed evaluation of tunnels and underground utilities;
- Partial excavation of USTs to evaluate subsurface conditions;
- Excavation of twenty-three (23) test pits (TP-19 through TP-39 and TP-7A through TP-7E);
- High resolution test boring program within the former plating area;
- Installation and sampling of sixteen (16) mini-wells, including three nested pairs, within former plating area;
- Installation of three (3) monitoring wells (MW-23 through MW-25);
- Pre-demolition Phase investigation;
  - PCB assessment;
  - Hazardous materials inventory and characterization;
  - Limited lead survey;
  - Pre-demolition asbestos survey of 354 Whitney Street and 415 Orchard Street;
  - Demolition inspection;
- Post-demolition Phase Site-wide investigation (2008-2009);
  - Test pits;
  - Background soil borings;
  - Site-wide soil borings and sampling;
  - Monitoring well installation and subsequent groundwater sampling;
  - Aquifer testing;
  - Surface soil sampling;
- AOC investigation and IRMs (2011-2012);
  - UST investigation;
  - Plating area investigation;
  - Abandoned Hydraulic Lift
  - Former Gasoline Storage and Dispenser
  - Drain System Evaluation
  - Underground Tunnels and Buried Utility Evaluation
  - Former “Low-Rise” Sub-Slab Investigation
  - Former Coal Storage; and
  - Additional groundwater sampling.

The Scope of Work for the IRMs detailed in this report included:

- Abatement of 4.45 tons of asbestos containing materials (ACM) from the previously undocumented utility pipe trench depicted on the attached figures prior to accessing petroleum-contaminated soils. Abatement included approximately 120 linear feet of asbestos pipe wrap materials as well as contaminated concrete.
- Excavation and off-Site disposal of an approximate total of 690 tons petroleum-impacted subsurface soils;
- Placement of existing on-Site clean cover materials across portions of the Site;
- Removal and disposal of trash, woody vegetation, and wood debris.

The following narrative provides a remedial history timeline and a brief summary of the available

project records to document key investigative and remedial milestones for the Site. Full titles for each of the reports referenced below are provided in Section 8.0 - References.

## **2.4 Remedial Action Objectives**

The Remedial Action Objectives (RAOs) for the Site as listed in the Record of Decision (ROD) are as follows:

### **Groundwater**

RAOs for Public Health Protection

- Prevent ingestion of groundwater with contaminant levels exceeding drinking water standards.
- Prevent contact with, or inhalation of, volatiles from contaminated groundwater.

RAOs for Environmental Protection

- Restore ground water aquifer to pre-disposal/pre-release conditions, to the extent practicable.
- Remove the source of ground or surface water contamination.

### **Soil**

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.

RAOs for Environmental Protection

- Prevent migration of contaminants that would result in groundwater or surface water contamination.

## **2.5 Remaining Contamination**

Access to the most heavily contaminated soils identified during the SSI and IRM process was not substantially restricted by the presence of massive concrete foundation components. The foundations appeared to rest directly on bedrock indicating that the overburden/bedrock interface migration pathway does not exist in these locations. Small areas of low-level contaminated soils not accessible due to excavation collapse or other factors during IRM implementation are considered likely to biodegrade over time. The source area(s) for petroleum contamination at this Site have been removed to the extent possible. Based on confirmatory soil sample data, the excavation of the source area has been successful in removing accessible petroleum-impacted soils.

Previous investigations have shown that elemental lead exists in the concrete slab on-Site. Lead was commonly used to seal cracks and penetrations in floor slabs in industrial plants in the past. Small nodes of lead have been observed in the remaining slabs at the Site in a number of locations. Prior attempts to quantify the amount of lead remaining in the slabs have been complicated by the

presence of varying amounts of dust and debris at the surface. Since large portions of the slab will remain, elemental lead will remain on-Site and as a result will be addressed in the SMP, as necessary. It is noted that exposure to elemental lead has been diminished due to the Site Cover System (Cap) completion.

Remaining asbestos pipe wrap in the existing underground tunnel system presents an existing condition and potential for exposure during future subsurface disturbances or activities. The presence of asbestos in the subsurface will be addressed in the SMP, as necessary.

### **2.5.1 Soil**

As discussed in the above section, excavation of the source area had successfully removed accessible petroleum-impacted soils. Remaining contamination in the subsurface soils was limited to chromium and cadmium in exceedance of Unrestricted Use SCOs, however, detections were below Commercial Use guidelines.

Remaining elemental lead beneath the Site cover exists and therefore any disturbance to the Site cover or concrete slabs must be done so in accordance with the excavation work plan (EWP) included as Appendix B of this document.

Table 3 and Figure 7 summarize the results of all soil samples collected that exceed the Unrestricted Use SCOs at the Site after completion of remedial action. Figure 9 summarizes the results of confirmatory soil samples that exceed Commercial Use SCOs following remedial action.

### **2.5.2 Groundwater**

On July 24, 2015 groundwater was collected from new and existing monitoring wells and analyzed for EPA Method 8260 VOCs. Analytical results are tabulated and included as Table 6. On July 26, 2014 groundwater was collected from newly installed and existing monitoring wells and analyzed for EPA Method 6010 RCRA Metals and EPA Method 8082 PCBs.

Groundwater was analyzed for VOCs by EPA Method 8260, RCRA Metals by EPA Method 6010, and PCBs by EPA Method 8082. Groundwater analytical results indicated exceedances above NYS Groundwater Class GA Standard for RCRA metals. Metals were encountered in all of the monitoring wells with the exception of MW-23. Exceedances in analytical results are tabulated on Table 4 and exceedance locations are illustrated in Figure 7.

### **2.5.3 Surface Water**

Surface water runoff at the Site is collected in the combined Monroe County Sewer System. There are no surface water bodies within ½- mile radius of the Site. There are no public/private drinking water supply wells within ½- mile of the Site.

Former utilities ran the length of Orchard and Whitney Streets; both of these included municipal sanitary and water utilities. Electric service is located aboveground along Orchard and Whitney Streets.

Runoff from paved areas flowed to private stormwater catch basins located in the eastern central portion of the Whitney Street Parcel as well as the northeastern and northwestern portions. Two

municipal stormwater catch basins are located along Orchard Street and one municipal catch basin is located along Whitney Street.

Surface water did not require sampling as part of the remedial action.

#### **2.5.4 Soil Vapor**

Since the Site is vacant and there are low or nonexistent levels of VOCs in the groundwater, soil vapor data was not collected as part of the remedial action. Should future development or Site use change occur on the Site, soil vapor intrusion sampling and any subsequent or necessary mitigation must be performed for any new buildings constructed on-Site.

### **3.0 INSTITUTIONAL AND ENGINEERING CONTROL PLAN**

#### **3.1 General**

Since remaining contamination exists at the Site, Institutional Controls (ICs) and Engineering Controls (ECs) are required to protect human health and the environment. This IC/EC Plan describes the procedures for the implementation and management of all IC/ECs at the Site. The IC/EC Plan is one component of the SMP and is subject to revision by the NYSDEC.

This plan provides:

- A description of all IC/ECs on the Site;
- The basic implementation and intended role of each IC/EC;
- A description of the key components of the ICs set forth in the Environmental Easement;
- A description of the controls to be evaluated during each required inspection and periodic review;
- A description of plans and procedures to be followed for implementation of IC/ECs, such as the implementation of the Excavation Work Plan (EWP) (as provided in Appendix B) for the proper handling of remaining contamination that may be disturbed during maintenance or redevelopment work on the Site; and
- Any other provisions necessary to identify or establish methods for implementing the IC/ECs required by the Site remedy, as determined by the NYSDEC.

#### **3.2 Institutional Controls**

The Site remedy requires that an environmental easement (through deed restrictions) be placed on the property to (1) implement, maintain and monitor any Engineering Controls; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Site to Commercial and Industrial uses only. Adherence to these Institutional Controls (ICs) on the Site will be required by the Declaration of Covenants and Restrictions (DCR) and will implement under this SMP. ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement. These ICs are:

- The property may be used for: commercial or light industrial use;
- City permit restriction flag in accordance with BIS;
- All ECs must be operated and maintained as specified in this SMP;
- All ECs must be inspected at a frequency and in a manner defined in the SMP.
- The use of groundwater underlying the property is prohibited without necessary water

quality treatment as determined by the NYSDOH or the Monroe County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department.

- Groundwater and other environmental or public health monitoring must be performed as defined in this SMP;
- Data and information pertinent to Site management must be reported at the frequency and in a manner as defined in this SMP;
- All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP;
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP;
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP;
- Access to the Site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement.
- The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on Figure 7, and any potential impacts that are identified must be monitored or mitigated; and
- Vegetable gardens and farming on the Site are prohibited;

### **3.3 Engineering Controls**

The final remedy will be chosen by the NYSDEC in a Proposed Remedial Action Plan (PRAP). It is anticipated that part of the PRAP requirements will be: (1) a long-term groundwater monitoring program; and (2) certification and annual inspection of the Site cover (Cap). Figure 8 illustrates the Engineering Controls location and boundary.

#### **3.3.1 Cover (or Cap)**

Exposure to remaining contamination at the Site is prevented by a cover system placed over the Site. Demolition debris (crushed brick and stone) has been re-used as on-Site backfill cover material throughout the Site as an engineering control. Areas of exposed soils have been covered with a minimum of one (1) foot of crushed demolition rubble material. One area of exposed tunnel void space has been covered with a steel plate bolted to the concrete pad, and subsequently covered with a one (1) layer of crushed demolition debris, in order to prevent exposure to human health and environment. The Site cover system will be inspected annually as a requirement to the SMP.

The EWP provided in Appendix B outlines the procedures required to be implemented in the event the cover system is breached, penetrated or temporarily removed, and any underlying remaining

contamination is disturbed. Procedures for the inspection of this cover are provided in the Monitoring and Sampling Plan included in Section 4.0 of this SMP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan (HASP) and associated Community Air Monitoring Plan (CAMP) prepared for the Site and provided in Appendices G and H, respectively.

### **3.3.3 Criteria for Completion of Remediation/Termination of Remedial Systems**

Generally, remedial processes are considered completed when monitoring indicates that the remedy has achieved the remedial action objectives identified by the decision document. The framework for determining when remedial processes are complete is provided in Section 6.4 of NYSDEC DER-10.

#### **3.3.3.1 Cover (or Cap)**

The composite cover system is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals in accordance with this SMP in perpetuity.

## **4.0 MONITORING AND SAMPLING PLAN**

### **4.1 General**

This Monitoring and Sampling Plan describes the measures for evaluating the overall performance and effectiveness of the remedy. This Monitoring and Sampling Plan may only be revised with the approval of the NYSDEC. Details regarding the sampling procedures, data quality usability objectives, analytical methods, etc. for all samples collected as part of Site management for the Site are included in the Quality Assurance Project Plan provided in Appendix G.

This Monitoring and Sampling Plan describes the methods to be used for:

- Sampling and analysis of all appropriate media (e.g., groundwater, indoor air, soil vapor, soils);
- Assessing compliance with applicable NYSDEC standards, criteria and guidance (SCGs), particularly groundwater standards and Part 375 SCOs for soil; and
- Evaluating Site information periodically to confirm that the remedy continues to be effective in protecting public health and the environment;

To adequately address these issues, this Monitoring and Sampling Plan provides information on:

- Sampling locations, protocol and frequency;
- Information on all designed monitoring systems;
- Analytical sampling program requirements;
- Inspection and maintenance requirements for monitoring wells;
- Monitoring well decommissioning procedures; and
- Annual inspection and periodic certification.

Reporting requirements are provided in Section 7.0 of this SMP.

### **4.2 Site-Wide Inspection**

Site-wide inspections will be performed at a minimum of once per year. Modification to the frequency or duration of the inspections will require approval from the NYSDEC. Site-wide inspections will also be performed after all severe weather conditions that may affect ECs or monitoring devices. During these inspections, an inspection form will be completed as provided in Appendix J. The Site-Wide Inspection form will compile sufficient information to assess the following:

- Compliance with all ICs, including Site usage;
- An evaluation of the condition and continued effectiveness of ECs;
- General Site conditions at the time of the inspection;
- The Site management activities being conducted including, where appropriate, confirmation sampling and a health and safety inspection; and
- Confirm that Site records are up to date.

Inspections of all remedial components installed at the Site will be conducted. A comprehensive Site-wide inspection will be conducted and documented according to the SMP schedule, regardless



of the frequency of the Periodic Review Report. The inspections will determine and document the following:

- Whether ECs continue to perform as designed;
- If these controls continue to be protective of human health and the environment;
- Compliance with requirements of this SMP and the Environmental Easement;
- Achievement of remedial performance criteria; and
- If Site records are complete and up to date; and

Reporting requirements are outlined in Section 7.0 of this plan.

Inspections will also be performed in the event of an emergency. If an emergency, such as a natural disaster or an unforeseen failure of any of the ECs occurs that reduces or has the potential to reduce the effectiveness of ECs in place at the Site, verbal notice to the NYSDEC must be given by noon of the following day. In addition, an inspection of the Site will be conducted within 5 days of the event to verify the effectiveness of the IC/ECs implemented at the Site by a qualified environmental professional, as determined by the NYSDEC. Written confirmation must be provided to the NYSDEC within 7 days of the event that includes a summary of actions taken, or to be taken, and the potential impact to the environment and the public.

#### **4.4.1 Soil Sampling**

Soil sampling will be performed as needed if any future subsurface disturbances occur to assess the quality of the soil. The sampling frequency may only be modified with the approval of the NYSDEC. This SMP will be modified to reflect changes in sampling plans approved by the NYSDEC.

Deliverables for soil sampling are specified in Section 7.0 – Reporting Requirements.

#### **4.4.3 Groundwater Sampling**

Quarterly groundwater sampling will be performed for the first year after issuance of the certificate of completion (COC). After completion of four (4) quarters of sampling, the sampling plan can be modified based upon the results.

The network of monitoring wells has been installed to monitor upgradient, on-Site and downgradient groundwater conditions at the Site.

Table 5 summarizes the wells identification number, as well as the purpose, location, depths, diameter and screened intervals of the wells. As part of the groundwater monitoring, seven (7) on-Site wells will be sampled to evaluate any decrease in remaining residual contamination.

If groundwater sample results indicate a significant chromium rebound in the plating area, additional molasses injections will be considered and implemented as necessary.

**Table 5 – Monitoring Well Construction Details**

| MW ID | Well Loc | Coordinates<br>(longitude/latitude) | Well<br>Diameter | Elevation (above mean sea level) |               |               |                  |
|-------|----------|-------------------------------------|------------------|----------------------------------|---------------|---------------|------------------|
|       |          |                                     |                  | Exterior<br>Casing               | Top of<br>PVC | Screen<br>Top | Screen<br>Bottom |
| MW-16 | On-Site  | 43.1634° N,<br>77.6353° W           | 2"               | 512.21                           | 511.81        | 15.00         | 24.9             |
| MW-22 | On-Site  | 43.1635° N,<br>77.6347° W           | 2"               | 509.30                           | 508.91        | 11.00         | 16.00            |
| MW-23 | On-Site  | 43.1637° N,<br>77.6350° W           | 2"               | 512.44                           | 512.00        | 12.00         | 22.00            |
| MW-26 | On-Site  | 43.1633° N,<br>77.6348° W           | 2"               | 511.91                           | 511.56        | 11.88         | 16.88            |
| MW-27 | On-Site  | 43.1640° N,<br>77.6359° W           | 2"               | 512.18                           | 511.81        | 28.65         | 33.65            |
| MW-28 | On-Site  | 43.1634° N,<br>77.6350° W           | 2"               | 512.00                           | 511.67        | 13.00         | 18.00            |
| MW-29 | On-Site  | 43.1633° N,<br>77.6353° W           | 2"               | 512.11                           | 511.73        | 11.75         | 16.75            |

Monitoring well construction logs are included in Appendix E of this document.

If biofouling or silt accumulation occurs in the on-Site and/or off-Site monitoring wells, the wells will be physically agitated/surged and redeveloped. Additionally, monitoring wells will be properly decommissioned and replaced, if an event renders the wells unusable.

Repairs and/or replacement of wells in the monitoring well network will be performed based on assessments of structural integrity and overall performance.

The NYSDEC will be notified prior to any repair or decommissioning of any monitoring well for the purpose of replacement, and the repair or decommissioning and replacement process will be documented in the subsequent Periodic Review Report. Well decommissioning without replacement will be done only with the prior approval of the NYSDEC. Well abandonment will be performed in accordance with NYSDEC’s guidance entitled “CP-43: Groundwater Monitoring Well Decommissioning Procedures.” Monitoring wells that are decommissioned because they have been rendered unusable will be replaced in kind in the nearest available location, unless otherwise approved by the NYSDEC.

Deliverables for the groundwater monitoring program are specified in Section 7.0 – Reporting Requirements.

The sampling frequency may only be modified with the approval of the NYSDEC. This SMP will be modified to reflect changes in sampling plans approved by the NYSDEC.

**4.4.5 Soil Vapor Sampling**

Since the Site is vacant and devoid of any structures soil vapor sampling will be only performed if any building(s) are constructed on the Site. The frequency or sampling requirements will require

approval from the NYSDEC.

If required, the network of on-Site soil vapor sample locations will be designed based on criteria approved by the NYSDEC.

The sampling frequency may only be modified with the approval of the NYSDEC. This SMP will be modified to reflect changes in sampling plans approved by the NYSDEC.

Deliverables for future required soil vapor sampling program are specified in Section 7.0 – Reporting Requirements.

#### **4.4.6 Soil Vapor Intrusion Sampling**

Since the Site is vacant and devoid of any structures soil vapor intrusion sampling will be only performed if any building(s) are constructed on the Site. The frequency or sampling requirements will require approval from the NYSDEC.

If required, the network of on-Site soil vapor intrusion sample locations will be designed based on criteria approved by the NYSDEC.

The sampling frequency may only be modified with the approval of the NYSDEC. This SMP will be modified to reflect changes in sampling plans approved by the NYSDEC.

Deliverables for future required soil vapor intrusion sampling program are specified in Section 7.0 – Reporting Requirements.

#### **4.4.7 Monitoring and Sampling Protocol**

All sampling activities will be recorded in a field book and associated sampling log as provided in Appendix F – Groundwater Sampling Field Record. Other observations (e.g., groundwater monitoring well integrity, etc.) will be noted on the sampling log. The sampling log will serve as the inspection form for the monitoring network. Additional detail regarding monitoring and sampling protocols are provided in the QAPP provided as Appendix G of this document.

## **5.0 OPERATION AND MAINTENANCE PLAN**

### **5.1 General**

The Site remedy does not rely on any mechanical systems, such as groundwater treatment systems, sub-slab depressurization systems or air sparge/soil vapor extraction systems to protect public health and the environment. Therefore, the operation and maintenance of such components is not included in this SMP.

## **6.0 PERIODIC ASSESSMENTS/EVALUATIONS**

### **6.1 Climate Change Vulnerability Assessment**

Increases in both the severity and frequency of storms/weather events, an increase in sea level elevations along with accompanying flooding impacts, shifting precipitation patterns and wide temperature fluctuation, resulting from global climactic change and instability, have the potential to significantly impact the performance, effectiveness and protectiveness of a given Site and associated remedial systems. Vulnerability assessments provide information so that the Site and associated remedial systems are prepared for the impacts of the increasing frequency and intensity of severe storms/weather events and associated flooding.

The Site is not in a flood plain or in a sensitive area that could potentially be impacted by increase in storm events; therefore, a vulnerability assessment was not required at this time. If the status of Site's vulnerability changes, or if an assessment is required as part of this SMP, then an appropriate assessment will be conducted at that time.

## 7.0. REPORTING REQUIREMENTS

### 7.1 Site Management Reports

All Site management inspection, maintenance and monitoring events will be recorded on the appropriate Forms provided in Appendices F and J. These forms are subject to NYSDEC revision.

All applicable inspection forms and other records, including media sampling data and system maintenance reports, generated for the Site during the reporting period will be provided in electronic format to the NYSDEC in accordance with the requirements of Table 6 and summarized in the Periodic Review Report.

**Table 6: Schedule of Interim Monitoring/Inspection Reports**

| Monitoring/Inspection  | Frequency | Report                       |
|------------------------|-----------|------------------------------|
| Groundwater Monitoring | Annual    | Summary Report               |
| Site-Wide Inspection   | Annual    | Summary Report               |
|                        | Annual    | Periodic Review Report (PRR) |

\* The frequency of events will be conducted as specified until otherwise approved by the NYSDEC.

All interim monitoring/inspections reports will include, at a minimum:

- Date of event or reporting period;
- Name, company, and position of person(s) conducting monitoring/inspection activities;
- Description of the activities performed;
- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents noted (included either on the checklist/form or on an attached sheet);
- Type of samples collected (e.g., sub-slab vapor, indoor air, outdoor air, etc);
- Copies of all field forms completed (e.g., well sampling logs, chain-of-custody documentation, etc.);
- Sampling results in comparison to appropriate standards/criteria;
- A figure illustrating sample type and sampling locations;
- Copies of all laboratory data sheets and the required laboratory data deliverables required for all points sampled (to be submitted electronically in the NYSDEC-identified format);
- Any observations, conclusions, or recommendations; and
- A determination as to whether contaminant conditions have changed since the last reporting event.

Routine maintenance event reporting forms will include, at a minimum:

- Date of event;
- Name, company, and position of person(s) conducting maintenance activities;
- Description of maintenance activities performed;
- Any modifications to the system;
- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents noted (included either on the checklist/form or on an attached sheet); and,
- Other documentation such as copies of invoices for maintenance work, receipts for replacement equipment, etc., (attached to the checklist/form).

Non-routine maintenance event reporting forms will include, at a minimum:

- Date of event;
- Name, company, and position of person(s) conducting non-routine maintenance/repair activities;
- Description of non-routine activities performed;
- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents (included either on the form or on an attached sheet); and
- Other documentation such as copies of invoices for repair work, receipts for replacement equipment, etc. (attached to the checklist/form).

Data will be reported in digital format as determined by the NYSDEC. Currently, data is to be supplied electronically and submitted to the NYSDEC EQUIS™ database in accordance with the requirements found at this link <http://www.dec.ny.gov/chemical/62440.html>.

## **7.2 Periodic Review Report**

A Periodic Review Report (PRR) will be submitted to the Department beginning sixteen (16) months after the Certificate of Completion or equivalent document is issued. After submittal of the initial Periodic Review Report, the next PRR shall be submitted annually to the Department or at another frequency as may be required by the Department. In the event that the Site is subdivided into separate parcels with different ownership, a single Periodic Review Report will be prepared that addresses the Site described in Appendix D -Environmental Easement. The report will be prepared in accordance with NYSDEC's DER-10 and submitted within 30 days of the end of each certification period. Media sampling results will also be incorporated into the Periodic Review Report. The report will include:

- Identification, assessment and certification of all ECs/ICs required by the remedy for the Site.
- Results of the required annual Site inspections and severe condition inspections, if applicable.
- All applicable Site management forms and other records generated for the Site during the reporting period in the NYSDEC-approved electronic format, if not previously submitted.
- A summary of any discharge monitoring data and/or information generated during the reporting period, with comments and conclusions.
- Data summary tables and graphical representations of contaminants of concern by media (groundwater, soil vapor, etc.), which include a listing of all compounds analyzed, along with the applicable standards, with all exceedances highlighted. These will include a presentation of past data as part of an evaluation of contaminant concentration trends.
- Results of all analyses, copies of all laboratory data sheets, and the required laboratory data deliverables for all samples collected during the reporting period will be submitted in digital format as determined by the NYSDEC. Currently, data is supplied electronically and submitted to the NYSDEC EQUIS™ database in accordance with the requirements found at this link: <http://www.dec.ny.gov/chemical/62440.html>.

- A Site evaluation, which includes the following:
- The compliance of the remedy with the requirements of the Site-specific RAWP, ROD or Decision Document;
- Any new conclusions or observations regarding Site contamination based on inspections or data generated by the Monitoring and Sampling Plan for the media being monitored;
- Recommendations regarding any necessary changes to the remedy and/or Monitoring and Sampling Plan; and
- Trends in contaminant levels in the affected media will be evaluated to determine if the remedy continues to be effective in achieving remedial goals as specified by the Decision Document.
- The overall performance and effectiveness of the remedy.

### **7.2.1 Certification of Institutional and Engineering Controls**

Following the last inspection of the reporting period, a qualified environmental professional or Professional Engineer licensed to practice in New York State will prepare, and include in the Periodic Review Report, the following certification as per the requirements of NYSDEC DER-10:

*“For each institutional or engineering control identified for the Site, I certify that all of the following statements are true:*

- *The inspection of the Site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under my direction;*
- *The institutional control and/or engineering control employed at this Site is unchanged from the date the control was put in place, or last approved by the Department;*
- *Nothing has occurred that would impair the ability of the control to protect the public health and environment;*
- *Nothing has occurred that would constitute a violation or failure to comply with any Site management plan for this control;*
- *Access to the Site will continue to be provided to the Department to evaluate the remedy, including access to evaluate the continued maintenance of this control;*
- *If a financial assurance mechanism is required under the oversight document for the Site, the mechanism remains valid and sufficient for the intended purpose under the document;*
- *Use of the Site is compliant with the environmental easement;*
- *The engineering control systems are performing as designed and are effective;*



- *To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the Site remedial program [and generally accepted engineering practices]; and*
- *The information presented in this report is accurate and complete.*

*I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, [name], of [business address], am certifying as [Owner/Remedial Party or Owner's/Remedial Party's Designated Site Representative] for the Site."*

At the end of each certifying period, as determined by the NYSDEC, the following certification will be provided to the Department:

*"For each institutional or engineering control identified for the Site, I certify that all of the following statements are true:*

- *The institutional control employed at this Site is unchanged from the date the control was put in place, or last approved by the Department;*
- *Nothing has occurred that would impair the ability of the control to protect the public health and environment;*
- *Nothing has occurred that would constitute a violation or failure to comply with any Site management plan for this control;*
- *Access to the Site will continue to be provided to the Department to evaluate the remedy, including access to evaluate the continued maintenance of this control;*
- *If a financial assurance mechanism is required under the oversight document for the Site, the mechanism remains valid and sufficient for the intended purpose under the document;*
- *Use of the Site is compliant with the environmental easement.*
- *The information presented in this report is accurate and complete.*

*I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, [name], of [business address], am certifying as [Owner or Owner's Designated Site Representative] for the Site."*

### **7.3 Corrective Measures Work Plan**

If any component of the remedy is found to have failed, or if the periodic certification cannot be provided due to the failure of an institutional or engineering control, a Corrective Measures Work Plan will be submitted to the NYSDEC for approval. This plan will explain the failure and provide the details and schedule for performing work necessary to correct the failure. Unless an emergency

condition exists, no work will be performed pursuant to the Corrective Measures Work Plan until it has been approved by the NYSDEC.

## **8.0 REFERENCES**

6NYCRR Part 375, Environmental Remediation Programs. December 14, 2006.

NYSDEC DER-10 – “Technical Guidance for Site Investigation and Remediation”.

NYSDEC, 1998. Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1. June 1998 (April 2000 addendum).



**Table 2**  
**Groundwater Elevation Measurements**

| <b>COR - Orchard-Whitney</b> |                                  | <b>Measurements Taken November 2015<sup>1</sup></b> |                       |                     |
|------------------------------|----------------------------------|-----------------------------------------------------|-----------------------|---------------------|
| <b>MW ID</b>                 | <b>Rim Elevation<sup>1</sup></b> | <b>Total Well Depth</b>                             | <b>Depth to Water</b> | <b>GW Elevation</b> |
| MW-16                        | 512.21                           | 21.4                                                | 7.5                   | 504.29              |
| MW-22                        | 509.30                           | 15.4                                                | 5.7                   | 502.53              |
| MW-23                        | 512.44                           | 21                                                  | 9.35                  | 502.65              |
| MW-26                        | 511.91                           | 16.88                                               | 7.95                  | 503.61              |
| MW-27 <sup>2</sup>           | 512.18                           | 33.65                                               | 16.65                 | 495.16              |
| MW-28                        | 512.00                           | 18                                                  | 7.4                   | 504.27              |
| MW-29                        | 512.11                           | 16.75                                               | 7.96                  | 503.77              |

Notes:

1 - All measurements are represented in feet.

2 - MW-27 not used in groundwater contouring due to much deeper total well depth level.

**City of Rochester**  
**Orchard-Whitney**  
**(Samples Collected 10/12/15 - 10/15/15)**

**Table 3: Remaining Soil Sample Exceedances**

| Analyzed Parameters <sup>1</sup> | Unrestricted Use <sup>2</sup> | Commercial Use <sup>3</sup> | Industrial Use <sup>3</sup> | OW-BOT-01-101215 | OW-SW-01-101315 | OW-BOT-02-101315 | OW-SW-02-101315 | OW-SW-03-101315 | OW-BOT-03-101415 | OW-SW-04-101415 | OW-BOT-04-101515 |
|----------------------------------|-------------------------------|-----------------------------|-----------------------------|------------------|-----------------|------------------|-----------------|-----------------|------------------|-----------------|------------------|
| <b>RCRA Metals</b>               |                               |                             |                             |                  |                 |                  |                 |                 |                  |                 |                  |
| Arsenic                          | 13                            | 16                          | 16                          | 1.39             | 4.24            | 1.18             | 1.54            | 1.78            | 5.03             | 1.69            | 3.69             |
| Barium                           | 350                           | 400                         | 10,000                      | 20               | 131             | 24.3             | 21.9            | 20.3            | 296              | 20.0            | 29.7             |
| Cadmium                          | 2.5                           | 9.3                         | 2,700                       | < 0.255          | < 0.249         | < 0.277          | < 0.278         | < 0.273         | 3.07             | < 0.260         | 3.12             |
| Chromium                         | 1                             | 400                         | 800                         | 5.9              | 8.87            | 7.21             | 4.73            | 6.04            | 14.1             | 6.98            | 9.41             |
| Lead                             | 63                            | 1,000                       | 3,900                       | 3.56             | 22.9            | 2.45             | 9.32            | 1.95            | 25.9             | 3.00            | 9.72             |
| Mercury                          | 0.18                          | 2.8                         | 5.7                         | < 0.00816        | 0.026           | 0.00596          | 0.322           | 0.00527         | 0.119            | 0.0127          | 0.0353           |
| Selenium                         | 3.9                           | 1,500                       | 6,800                       | < 0.511          | < 0.498         | < 0.553          | < 0.556         | < 0.546         | < 0.617          | < 0.520         | < 0.572          |
| Silver                           | 2                             | 1,500                       | 6,800                       | 0.26             | < 0.498         | < 0.553          | < 0.556         | < 0.546         | < 0.617          | < 0.520         | < 0.572          |

- 1- All values for metals are presented in milligrams per kilograms (mg/kg)
- 2 - 6 NYCRR Part 375-6.8 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives
- 3 - 6 NYCRR Part 375-6.8 - Table 375-6.8(b): Restricted Use Soil Cleanup Objectives
- ND- Not detected above reporting limit
- J- value is estimated
- D- all compounds identified in an analysis at secondary dilution factor
- M- matrix spike recoveries outside QC limits; matrix bias indicated
- E- value is estimated or not reported due to interference (for metals)
- N- spike sample recovery is not within QC limits (for metals)
- NU- Not detected (for metals)
- \*- spike or duplicate analysis is not within QC limits (for metals)

|  |                                          |
|--|------------------------------------------|
|  | Value Exceeds Unrestricted SCOs          |
|  | Value Exceeds Commercial Use SCOs        |
|  | Value Exceeds Industrial Use SCOs        |
|  | Analysis not performed on this parameter |

**City of Rochester  
Orchard-Whitney  
(Samples Collected 07/28/15)**

**Table 4: Groundwater Exceedances**

| Analyzed Parameters <sup>1</sup>   | NYS Groundwater Standard Class GA <sup>2</sup> | MW-16_072815  | MW-22_072815  | MW-23_072815 | MW-26_072815  | MW-27_072815 | MW-28_072815  | MW-29_072815  |
|------------------------------------|------------------------------------------------|---------------|---------------|--------------|---------------|--------------|---------------|---------------|
| <b>EPA 6010-Metals<sup>3</sup></b> |                                                |               |               |              |               |              |               |               |
| Arsenic                            | <b>0.025*</b>                                  | <b>0.0714</b> | 0.0214        | 0.0121       | 0.00623 J     | <b>0.124</b> | <b>0.0306</b> | 0.0157        |
| Barium                             | <b>1</b>                                       | 0.663         | 0.360         | 0.213        | 0.0843 J      | <b>1.06</b>  | 0.325         | 0.153         |
| Cadmium                            | <b>0.005</b>                                   | <b>0.658</b>  | <0.00500      | <0.00500     | <0.00500      | 0.00487 J    | <0.00500      | <b>0.0169</b> |
| Chromium                           | <b>0.05</b>                                    | <b>0.317</b>  | 0.0343        | 0.0171       | 0.00619 J     | <b>0.227</b> | <b>0.052</b>  | 0.0154        |
| Lead                               | <b>0.025</b>                                   | <b>0.0632</b> | 0.0216        | 0.0131       | <0.0100       | <b>0.114</b> | <b>0.0453</b> | <0.0100       |
| Mercury                            | <b>0.0007</b>                                  | 0.000589      | <0.000200     | <0.000200    | <0.000200     | 0.000328     | <0.000200     | <0.000200     |
| Selenium                           | <b>0.01</b>                                    | <0.0100       | <b>0.0168</b> | 0.00907 J    | <b>0.0116</b> | <b>0.013</b> | <b>0.015</b>  | <b>0.016</b>  |
| Silver                             | <b>.05*</b>                                    | <0.0100       | <0.0100       | <0.0100      | <0.0100       | <0.0100      | <0.0100       | <0.0100       |

1 - All values presented in micrograms per kilogram (µg/L).

2 - NYS Ambient Groundwater Standard (6 NYCRR Part 703.5)

3- All values for metals are presented in milligrams per kilogram (mg/L)

  Value Exceeds NYS Ambient Groundwater Standards

ND - not detected above method detection limit

\* - NYSDEC Guidance Value (TOGS 1.1.1)

J - compound detected below the laboratory quantitation limit

B - compound detected in associated method blank





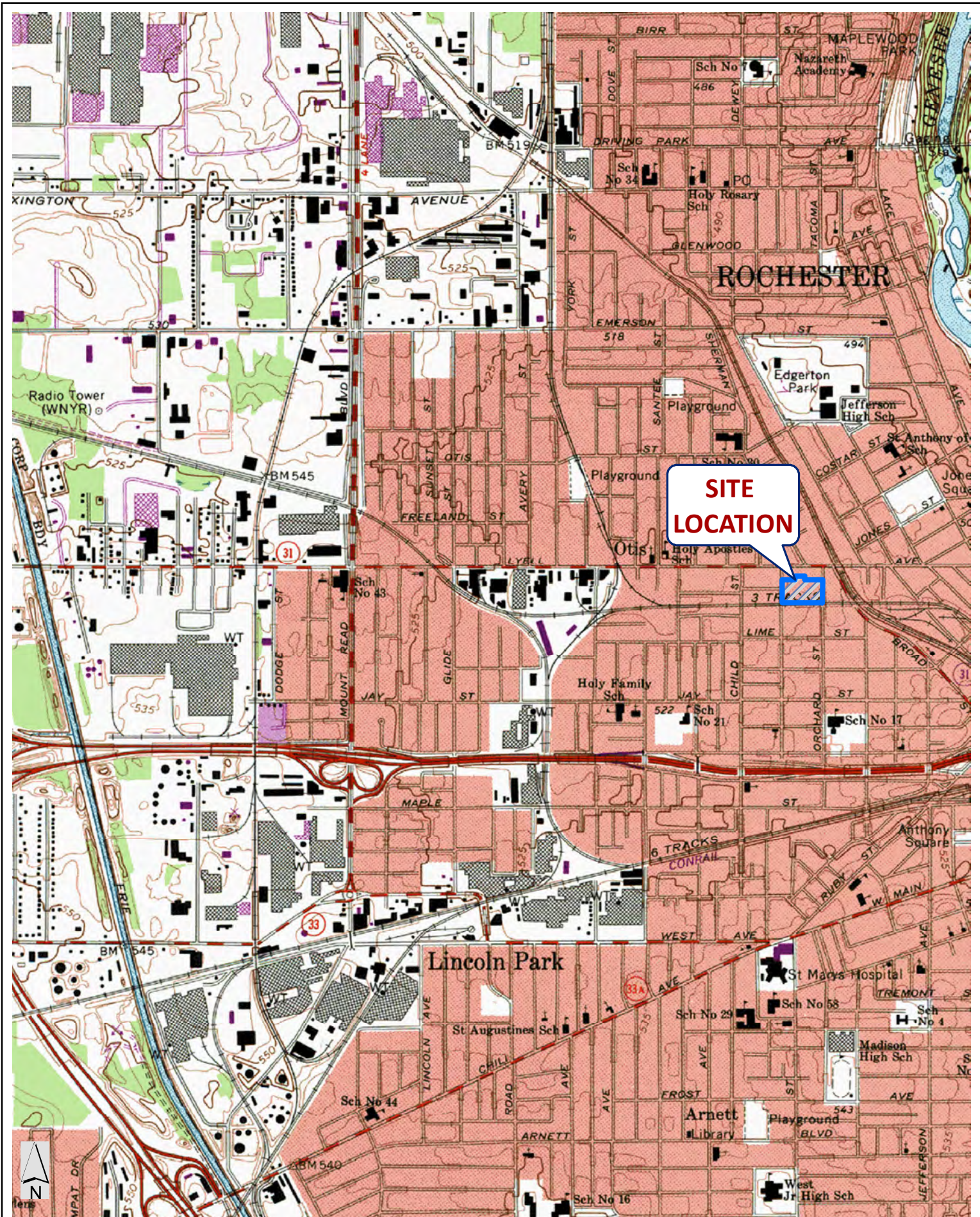
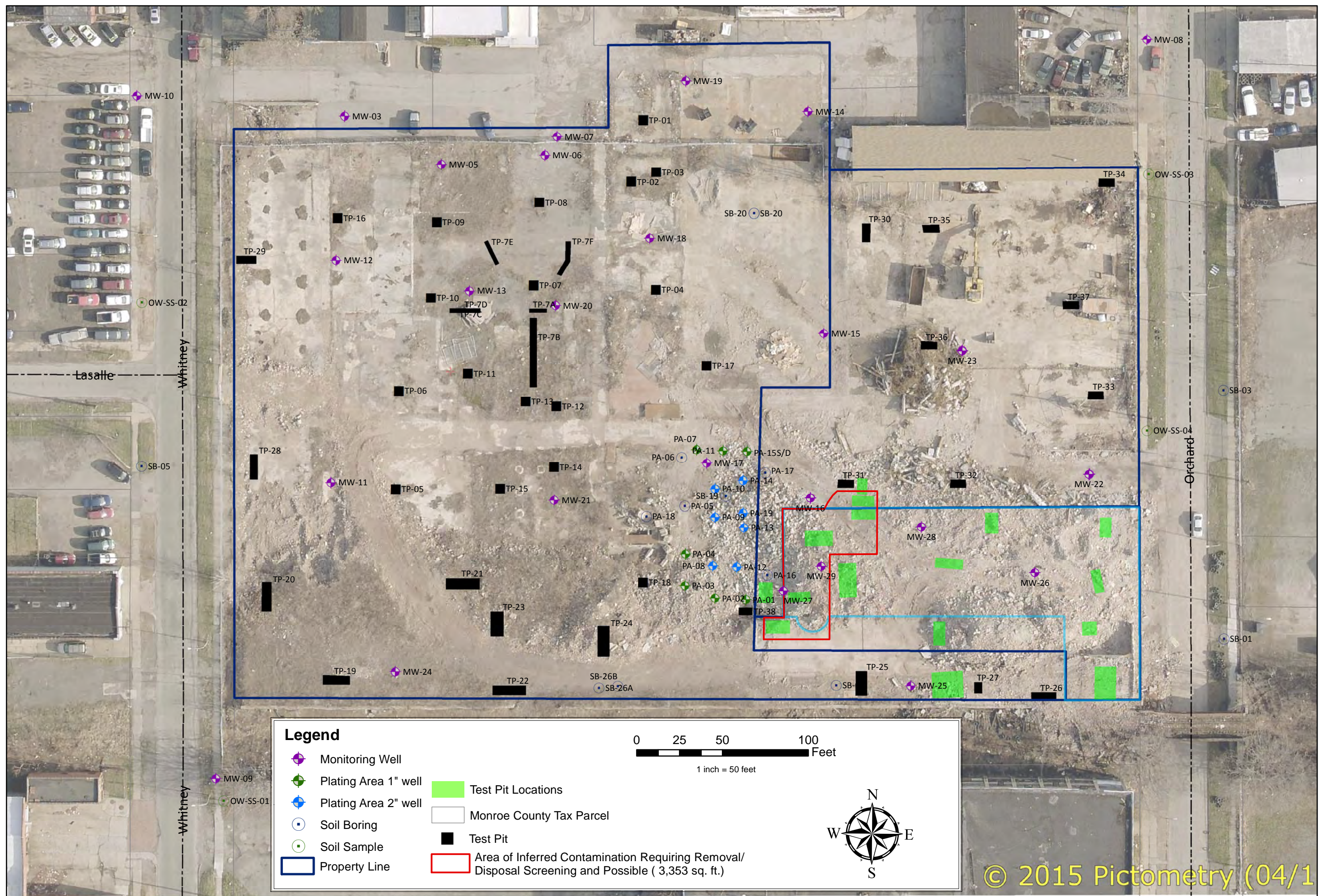


FIGURE 1.  
 ORCHARD WHITNEY SITE LOCATION  
 ERP SITE #EB28123  
 ROCHESTER, NY

|                                                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------|
| DATE: NOVEMBER 2015                                                                                                       |
| SCALE: N/A                                                                                                                |
| DRAWN/CHECKED: CSB/GLA                                                                                                    |
| <small>DATA SOURCE: ROCHESTER WEST QUAD, NEW YORK MONROE COUNTY<br/>   7.5-MINUTE SERIES (TPO) 1976, REVISED 1978</small> |





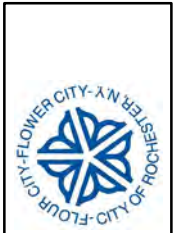


**Legend**

- Monitoring Well
- Plating Area 1" well
- Plating Area 2" well
- Soil Boring
- Soil Sample
- Property Line
- Test Pit Locations
- Monroe County Tax Parcel
- Test Pit
- Area of Inferred Contamination Requiring Removal/ Disposal Screening and Possible ( 3,353 sq. ft.)

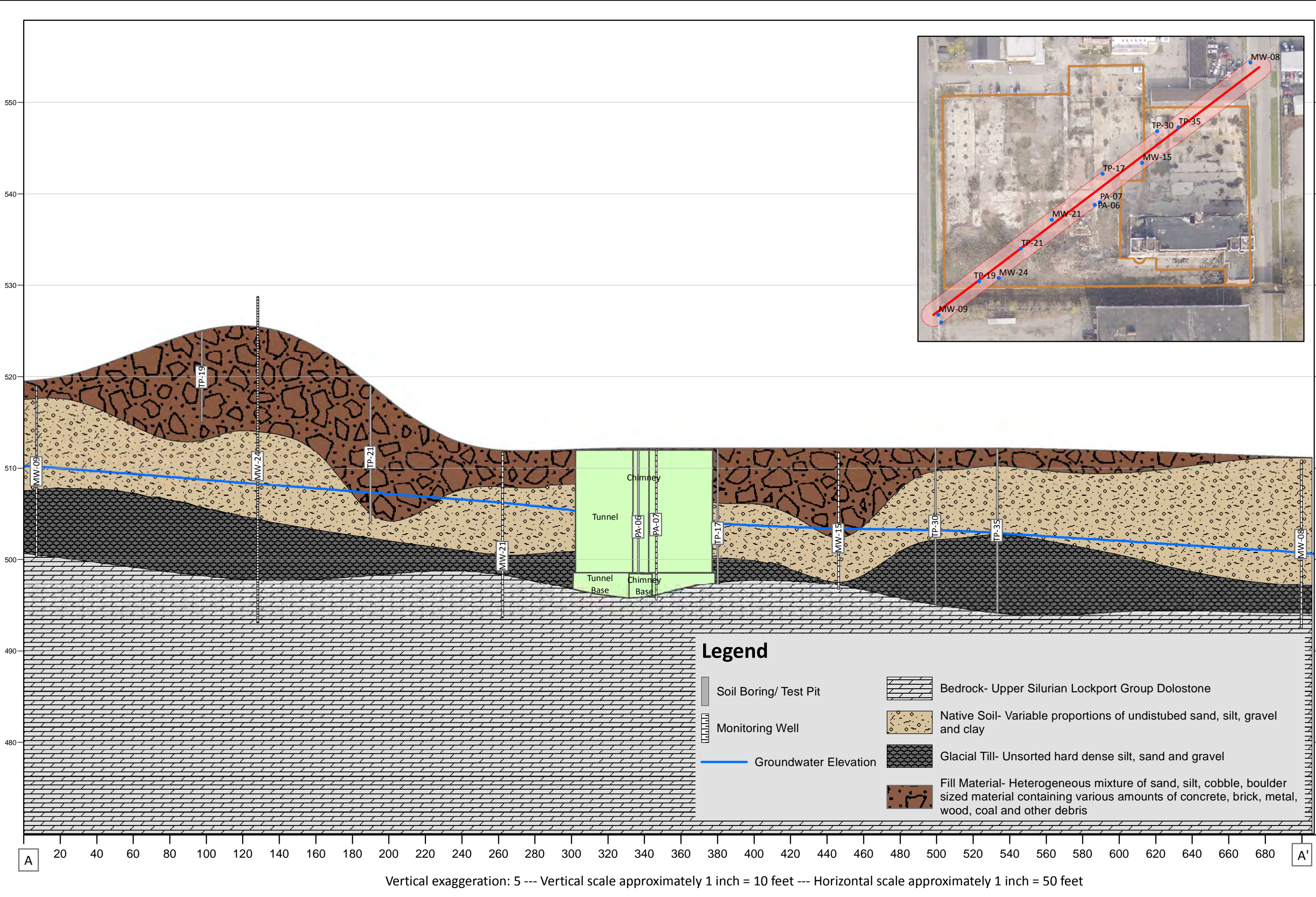
0 25 50 100 Feet  
1 inch = 50 feet

DATE: DECEMBER 2015  
 SCALE: AS NOTED  
 DRAWN/CHECKED: CSB/GLA  
 DATA SOURCE:  
 PICTOMETRY



**FIGURE 2 - SITE PLAN**  
**ORCHARD WHITNEY SITE**  
 ERP SITE #E828123  
 ROCHESTER, NY

© 2015 Pictometry (04/1)



Vertical exaggeration: 5 --- Vertical scale approximately 1 inch = 10 feet --- Horizontal scale approximately 1 inch = 50 feet

**Legend**

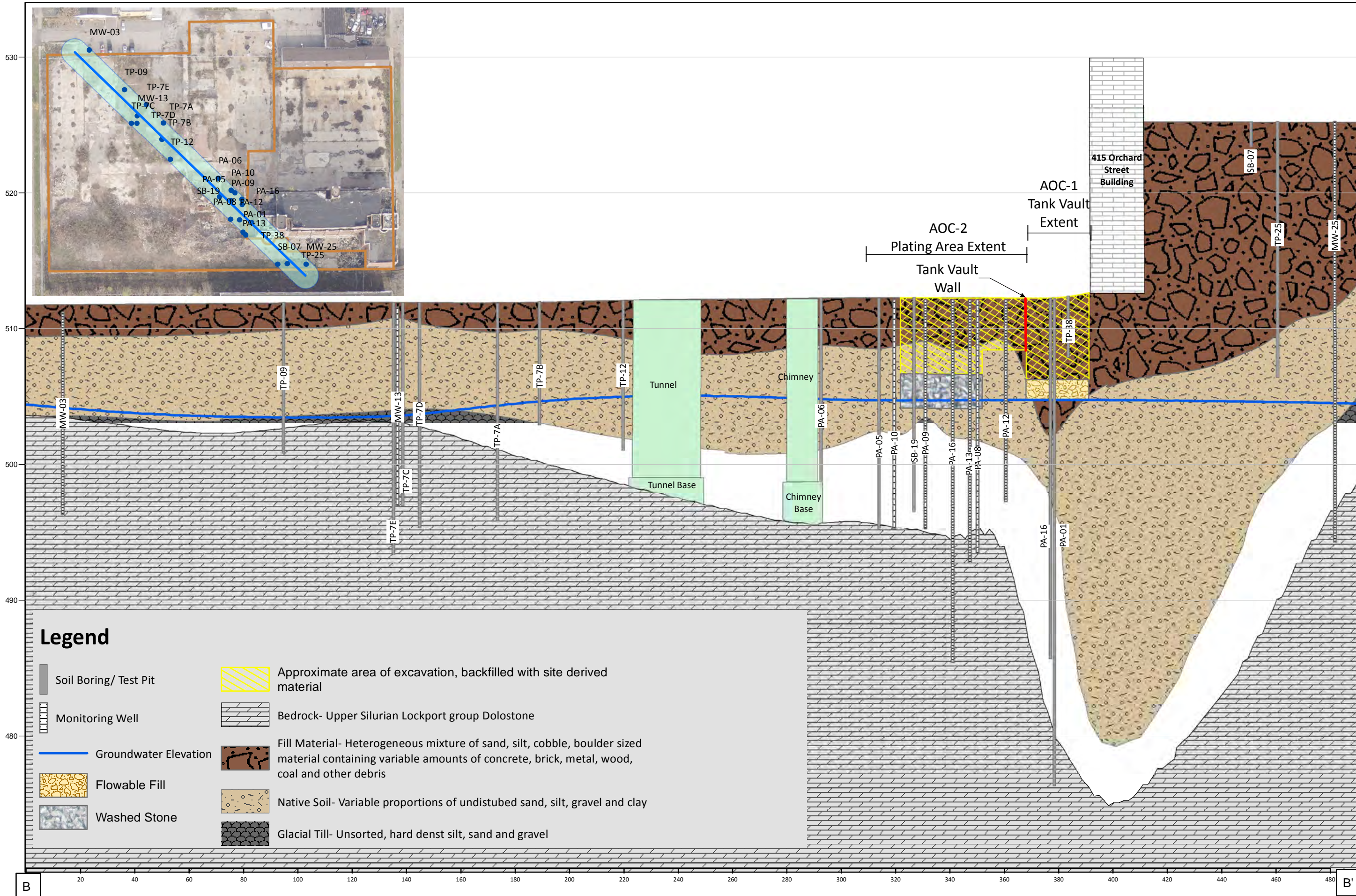
-  Soil Boring/ Test Pit
-  Monitoring Well
-  Groundwater Elevation
-  Bedrock- Upper Silurian Lockport Group Dolostone
-  Native Soil- Variable proportions of undisturbed sand, silt, gravel and clay
-  Glacial Till- Unsorted hard dense silt, sand and gravel
-  Fill Material- Heterogeneous mixture of sand, silt, cobble, boulder sized material containing various amounts of concrete, brick, metal, wood, coal and other debris

DATE: OCTOBER 2013  
 SCALE: as noted  
 DRAWN/CHECKED: SMK/GLA  
 DATA SOURCE:



FIGURE 3  
 GEOLOGIC CROSS SECTION A-A'  
 ERP SITE #E828123  
 ROCHESTER, NY





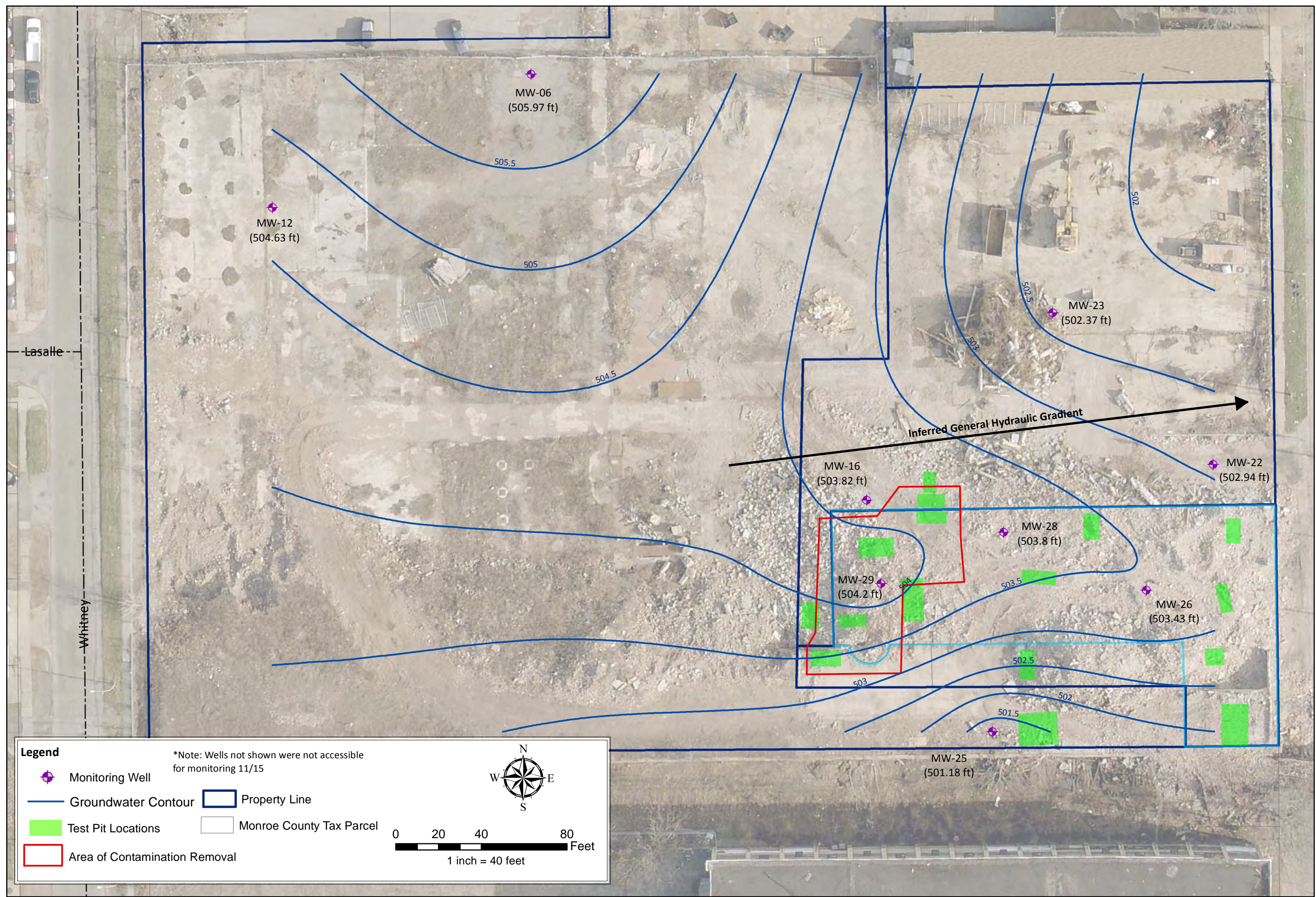
Vertical exaggeration: 5 --- Vertical scale approximately 1 inch = 6 feet --- Horizontal scale approximately 1 inch = 30 feet

DATE: OCTOBER 2013  
 SCALE: as noted  
 DRAWN/CHECKED: SMK/GLA  
 DATA SOURCE:



FIGURE 4  
 GEOLOGIC CROSS SECTION B-B'  
 ERP SITE #E828123  
 ROCHESTER, NY





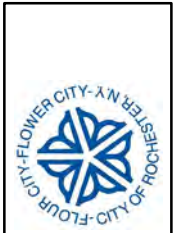
**Legend**

- Monitoring Well
- Groundwater Contour
- Test Pit Locations
- Area of Contamination Removal
- Property Line
- Monroe County Tax Parcel

\*Note: Wells not shown were not accessible for monitoring 11/15

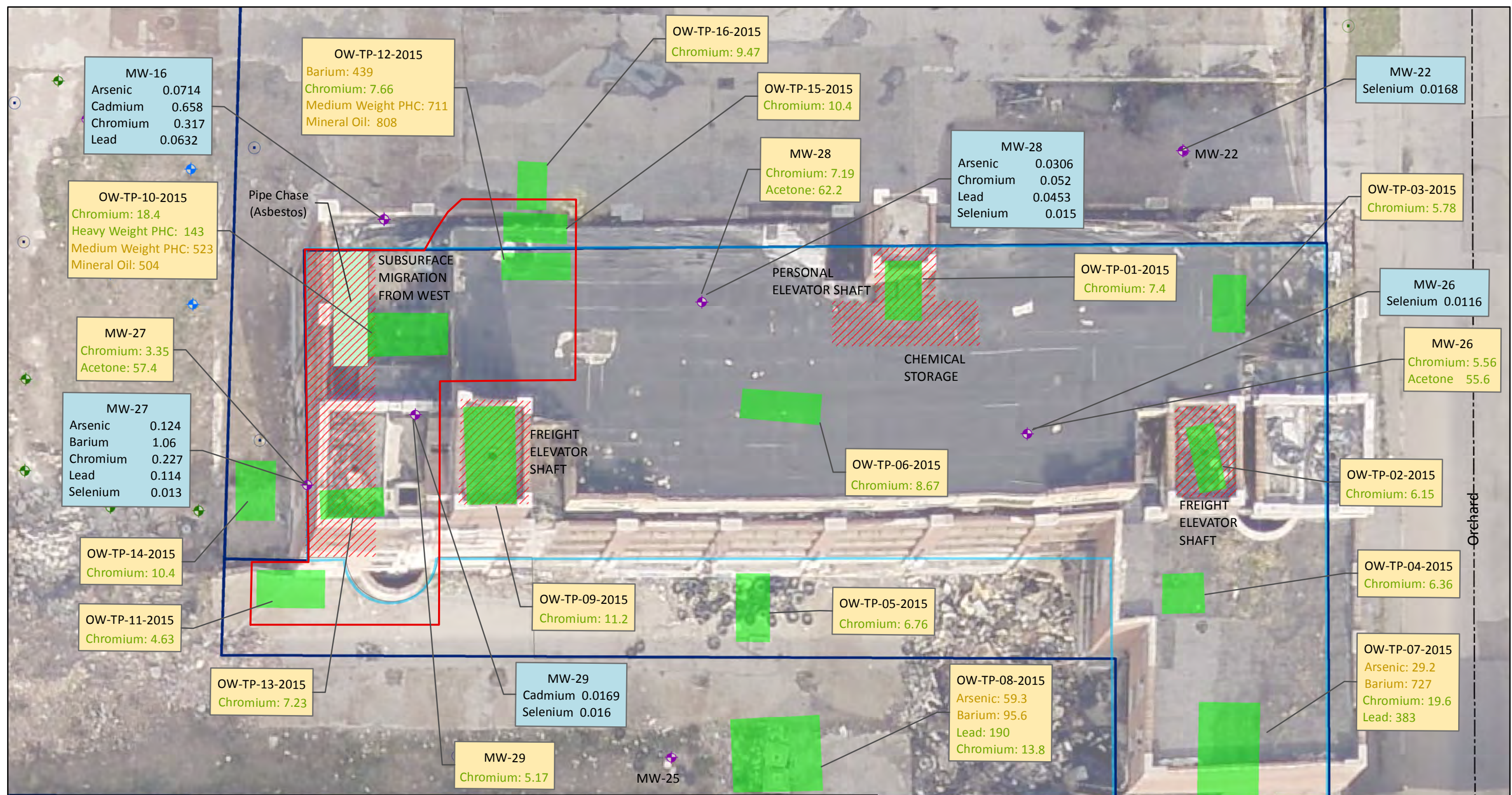
1 inch = 40 feet

DATE: NOVEMBER 2015  
 SCALE: AS NOTED  
 DRAWN/CHECKED: CSB/GLA  
 DATA SOURCE:  
 PICTOMETRY



**Figure 5. Groundwater Contour Map for Entire Site**  
 415 ORCHARD STREET  
 ERP SITE #E828123  
 ROCHESTER, NY





**Legend**

- Monitoring Well
- Plating Area 1" well
- Plating Area 2" well
- Soil Boring
- Soil Sample
- Test Pit
- Pipe Chase (Asbestos)
- Property Line
- Test Pit Locations
- Suspected Areas Contaminated Soil/Groundwater Below 415 Orchard St.
- Area of Inferred Contamination Requiring Removal/Disposal Screening and Possible ( 3,353 sq. ft.)
- Monroe County Tax Parcel

Value Exceeds Unrestricted SCOs  
Value Exceeds Commercial Use SCOs

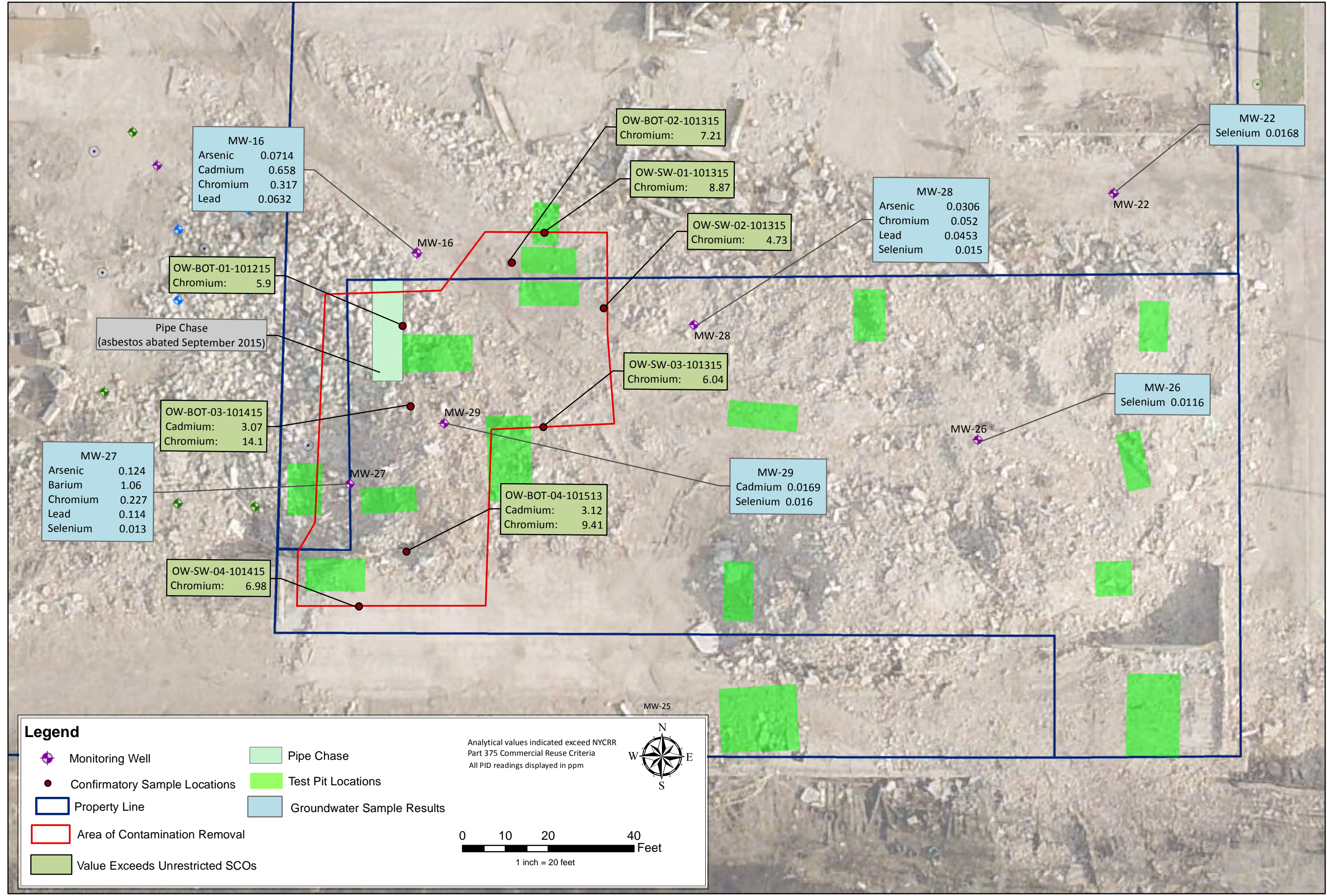
Analytical values indicated exceed NYCRR Part 375 Commercial Reuse Criteria

Water samples displayed in ug/L  
Soil sample data displayed in mg/kg

0 10 20 40 Feet 1 inch = 20 feet

DATE: NOVEMBER 2015  
SCALE: AS NOTED  
DRAWN/CHECKED: CSB/GLA  
DATA SOURCE: PICTOMETRY

**Figure 6. Test Pit and Monitoring Well Analytical Exceedances (Pre-IRM)**  
415 ORCHARD STREET  
ERP SITE #E828123  
ROCHESTER, NY



**MW-16**  
 Arsenic 0.0714  
 Cadmium 0.658  
 Chromium 0.317  
 Lead 0.0632

**OW-BOT-02-101315**  
 Chromium: 7.21

**MW-22**  
 Selenium 0.0168

**OW-SW-01-101315**  
 Chromium: 8.87

**MW-28**  
 Arsenic 0.0306  
 Chromium 0.052  
 Lead 0.0453  
 Selenium 0.015

**OW-BOT-01-101215**  
 Chromium: 5.9

**OW-SW-02-101315**  
 Chromium: 4.73

**Pipe Chase**  
 (asbestos abated September 2015)

**OW-SW-03-101315**  
 Chromium: 6.04

**MW-26**  
 Selenium 0.0116

**OW-BOT-03-101415**  
 Cadmium: 3.07  
 Chromium: 14.1

**OW-BOT-04-101513**  
 Cadmium: 3.12  
 Chromium: 9.41

**MW-27**  
 Arsenic 0.124  
 Barium 1.06  
 Chromium 0.227  
 Lead 0.114  
 Selenium 0.013

**MW-29**  
 Cadmium 0.0169  
 Selenium 0.016

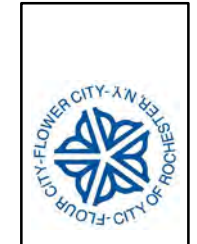
**OW-SW-04-101415**  
 Chromium: 6.98

**Legend**

- Monitoring Well
- Confirmatory Sample Locations
- Property Line
- Area of Contamination Removal
- Value Exceeds Unrestricted SCOs
- Pipe Chase
- Test Pit Locations
- Groundwater Sample Results

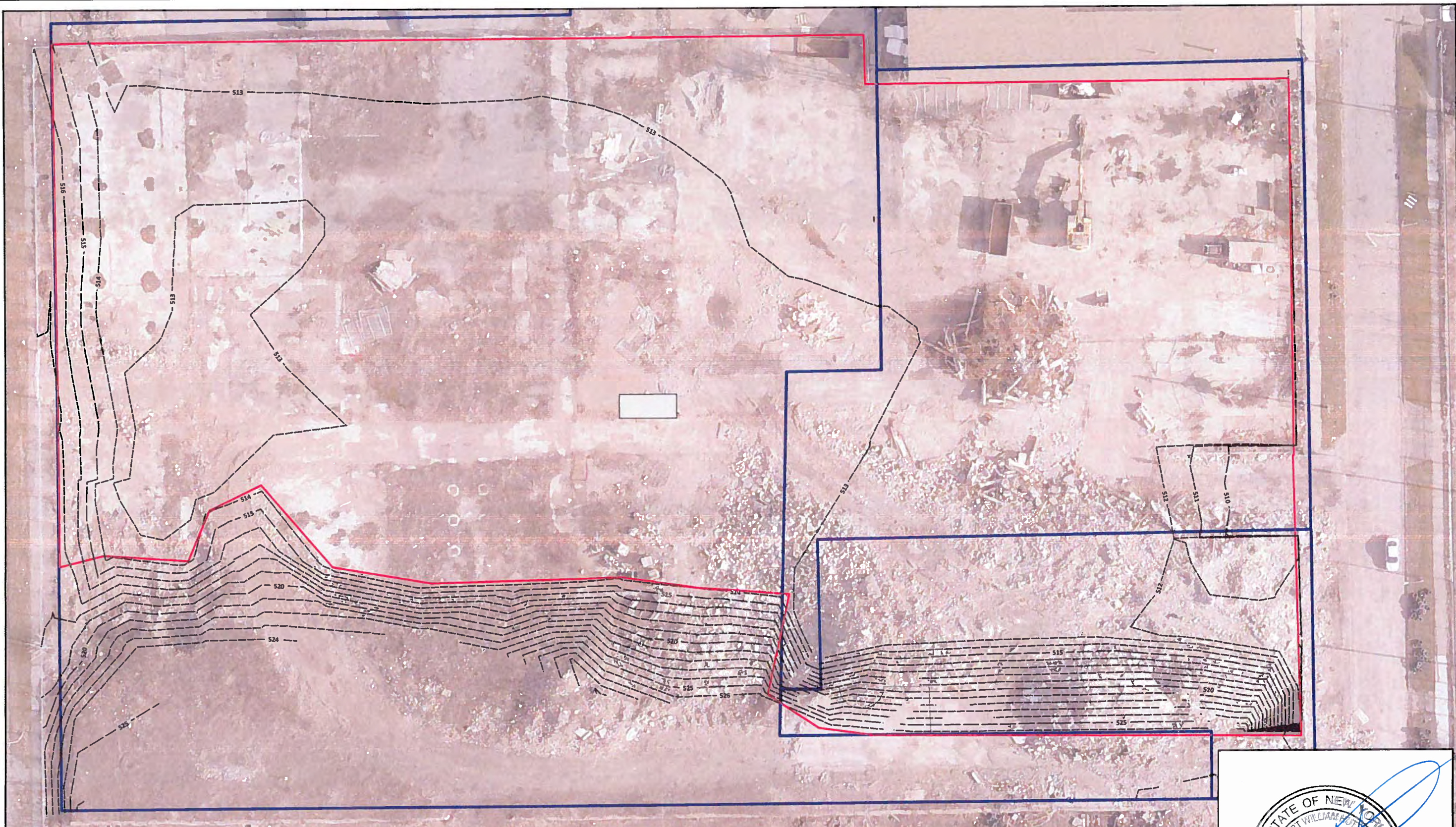
Analytical values indicated exceed NYCRR Part 375 Commercial Reuse Criteria  
 All PID readings displayed in ppm

DATE: NOVEMBER 2015  
 SCALE: AS NOTED  
 DRAWN/CHECKED: CSB/GLA  
 DATA SOURCE: PICTOMETRY



**Figure 7 . IRM-EXCAVATION LIMITS & CONFIRMATORY SAMPLE LOCATIONS**  
 ERP SITE #E828123  
 ROCHESTER, NY





**Legend**

- Property Line
- Crushed Masonry Cover Limit
- Site Cover Contour
- Steel Plate Cover

0    20    40    80    Feet

1 inch = 40 feet  
Contour Interval= 1 foot  
Datum: R.C.S

**\*Note:** Site cover consists of one and a half (1.5) foot of cover material, which will be inspected annually as a requirement of the SMP.

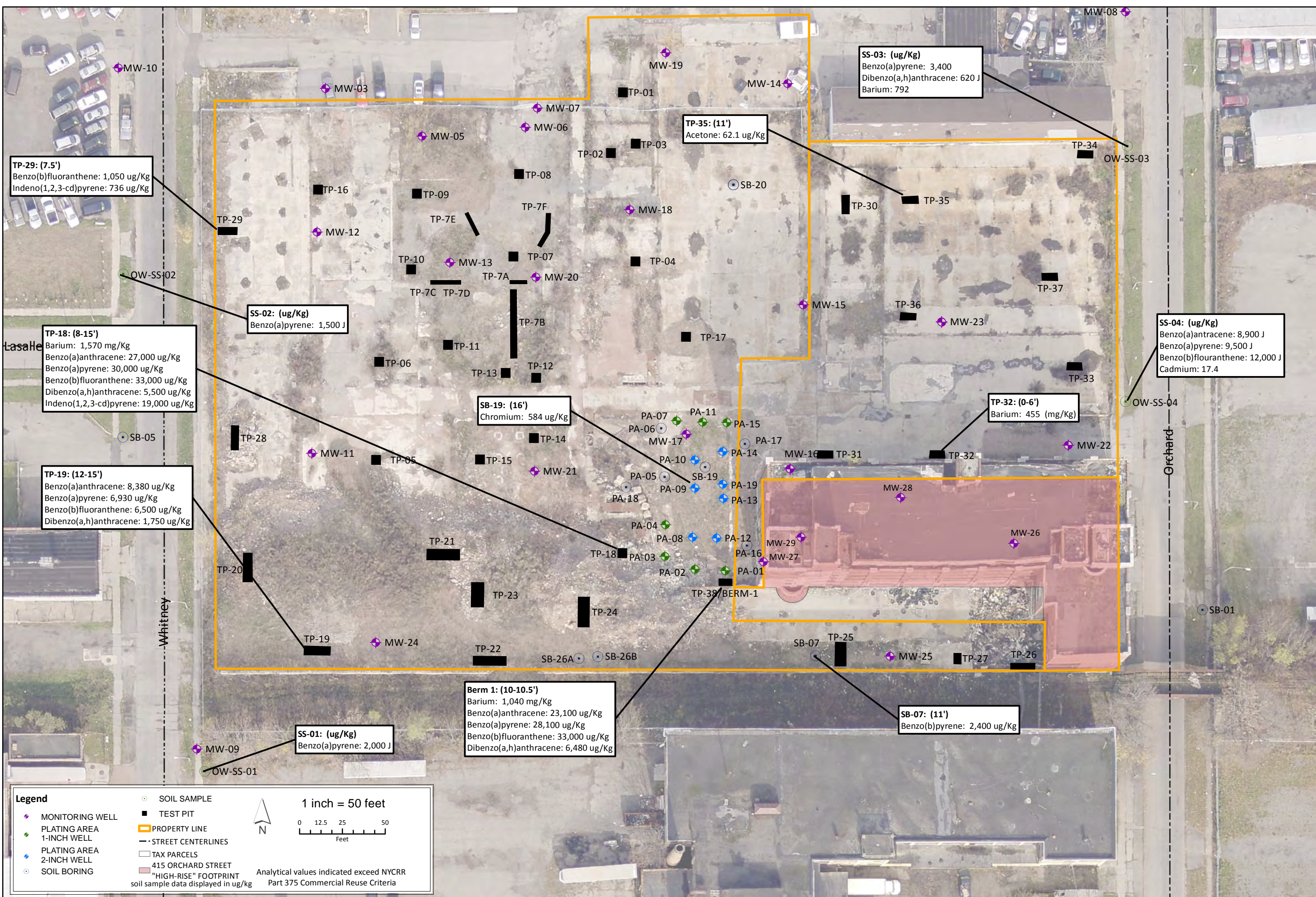
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

12-29-15

DATE: DECEMBER 2015  
SCALE: AS NOTED  
DRAWN/CHECKED: CSB/GLA  
DATA SOURCE: PICTOMETRY

**Figure 8. ENGINEERING CONTROL PLAN**  
**EXISTING GRADE (CAP)**  
**ORCHARD-WHITNEY SITE**  
 ERP SITE #E828123  
 ROCHESTER, NY

ENVIRONMENTAL • TRANSPORTATION • CIVIL



DATE: OCTOBER 2016  
SCALE: 1 inch= 50 Feet  
DRAWN/CHECKED: CSB/AC  
DATA SOURCE: PICTOMETRY

Figure 9. POST-IRM COMMERCIAL EXCEEDANCES  
ERP SITE #E828123  
ROCHESTER, NY



**APPENDIX A – LIST OF SITE CONTACTS**

| Site Contact      | Organization      | Phone Number          |
|-------------------|-------------------|-----------------------|
| Todd M. Caffoe    | NYSDEC            | 585-226-5350          |
| Bridget K. Boyd   | NYSDOH            | 866-881-2809          |
| Jane M.H. Forbes  | City of Rochester | 585-428-7892          |
| Gregory L. Andrus | Lu Engineers      | 585-385-7417 ext. 215 |

## APPENDIX B – EXCAVATION WORK PLAN (EWP)

### B-1 NOTIFICATION

At least 15 days prior to the start of any activity that is anticipated to encounter remaining contamination, the Site owner or their representative will notify the NYSDEC.

New York State Department of Environmental Conservation (NYSDEC)  
Division of Environmental Remediation  
Regional Hazardous Waste Remediation Engineer  
6274 East Avon Lima Road  
Avon, New York 14414  
(585) 226-2466

Table 1 includes contact information for the above notification. The information on this table will be updated as necessary to provide accurate contact information. A full listing of Site-related contact information is provided in Appendix A.

This notification will include:

- A detailed excavation work plan describing how and where excavated soils will be managed. The plan must include a Health and Safety Plan (HASP) and a Community Air Monitoring Plan (CAMP)
- A detailed description of the work to be performed, including the location and areal extent of excavation, plans/drawings for Site re-grading, intrusive elements or utilities to be installed below the soil cover, estimated volumes of contaminated soil to be excavated and any work that may impact an engineering control;
- A summary of environmental conditions anticipated to be encountered in the work areas, including the nature and concentration levels of contaminants of concern, potential presence of grossly contaminated media, and plans for any pre-construction sampling;
- A schedule for the work, detailing the start and completion of all intrusive work;
- A summary of the applicable components of this EWP;
- A statement that the work will be performed in compliance with this EWP and 29 CFR 1910.120;
- A copy of the contractor's HASP, in electronic format, if it differs from the HASP provided in Appendix H of this SMP;
- Identification of disposal facilities for potential waste streams; and
- Identification of sources of any anticipated backfill, along with all required chemical testing

results.

## **B-2 SOIL SCREENING METHODS**

Visual, olfactory and instrument-based (e.g. photoionization detector) soil screening will be performed by a qualified environmental professional during all excavations into known or potentially contaminated material (remaining contamination). Soil screening will be performed when invasive work is done and will include all excavation and invasive work performed during development, such as excavations for foundations and utility work, after issuance of the COC.

Soils will be segregated based on previous environmental data and screening results into material that requires off-Site disposal and material that requires testing to determine if the material can be reused on-Site as soil beneath a cover or if the material can be used as cover soil. Further discussion of off-Site disposal of materials and on-Site reuse is provided in Section B-3 through B-7 of this Appendix.

## **B-3 SOIL STAGING METHODS**

Soil stockpiles will be continuously encircled with a berm and/or silt fence. Hay bales will be used as needed near catch basins, surface waters and other discharge points.

Stockpiles will be kept covered at all times with appropriately anchored tarps. Stockpiles will be routinely inspected and damaged tarp covers will be promptly replaced.

Stockpiles will be inspected at a minimum once each week and after every storm event. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by the NYSDEC.

## **B-4 MATERIALS EXCAVATION AND LOAD-OUT**

A qualified environmental professional or person under their supervision will oversee all invasive work and the excavation and load-out of all excavated material.

The owner of the property and remedial party (if applicable) and its contractors are responsible for safe execution of all invasive and other work performed under this Plan.

The presence of utilities and easements on the Site will be investigated by the qualified environmental professional. It will be determined whether a risk or impediment to the planned work under this SMP is posed by utilities or easements on the Site.

Loaded vehicles leaving the Site will be appropriately lined, tarped, securely covered, manifested, and placarded in accordance with appropriate Federal, State, local, and NYSDOT requirements (and all other applicable transportation requirements).

A truck wash will be operated on-Site, as appropriate. The qualified environmental professional will be responsible for ensuring that all outbound trucks will be washed at the truck wash before leaving the Site until the activities performed under this section are complete. Truck wash waters will be collected and disposed of off-Site in an appropriate manner.

Locations where vehicles enter or exit the Site shall be inspected daily for evidence of off-Site soil tracking.

The qualified environmental professional will be responsible for ensuring that all egress points for truck and equipment transport from the Site are clean of dirt and other materials derived from the Site during intrusive excavation activities. Cleaning of the adjacent streets will be performed as needed to maintain a clean condition with respect to Site-derived materials.

#### **B-5 MATERIALS TRANSPORT OFF-SITE**

All transport of materials will be performed by licensed haulers in accordance with appropriate local, State, and Federal regulations, including 6 NYCRR Part 364. Haulers will be appropriately licensed and trucks properly placarded.

Material transported by trucks exiting the Site will be secured with tight-fitting covers. Loose-fitting canvas-type truck covers will be prohibited. If loads contain wet material capable of producing free liquid, truck liners will be used.

Truck transport routes are as follows: Ingress onto the Site will be through the Orchard Street gate. Egress will be via the same Orchard Street gate, to Broad Street, to highway. All trucks loaded with Site materials will exit the vicinity of the Site using only these approved truck routes. This is the most appropriate route and takes into account: (a) limiting transport through residential areas and past sensitive sites; (b) use of city mapped truck routes; (c) prohibiting off-Site queuing of trucks entering the facility; (d) limiting total distance to major highways; (e) promoting safety in access to highways; and (f) overall safety in transport; (g) community input if necessary.

Trucks will be prohibited from stopping and idling in the neighborhood outside the project Site.

Egress points for truck and equipment transport from the Site will be kept clean of dirt and other materials during Site remediation and development.

Queuing of trucks will be performed on-Site in order to minimize off-Site disturbance. Off-Site queuing will be prohibited.

#### **B-6 MATERIALS DISPOSAL OFF-SITE**

All material excavated and removed from the Site will be treated as contaminated and regulated material and will be transported and disposed in accordance with all local, State (including 6NYCRR Part 360) and Federal regulations. If disposal of material from this Site is proposed for unregulated off-Site disposal (i.e. clean soil removed for development purposes), a formal request with an associated plan will be made to the NYSDEC. Unregulated off-Site management of materials from this Site will not occur without formal NYSDEC approval.

Off-Site disposal locations for excavated soils will be identified in the pre-excavation notification. This will include estimated quantities and a breakdown by class of disposal facility if appropriate, i.e. hazardous waste disposal facility, solid waste landfill, petroleum treatment facility, C/D recycling facility, etc. Actual disposal quantities and associated documentation will be reported to the NYSDEC

in the Periodic Review Report. This documentation will include: waste profiles, test results, facility acceptance letters, manifests, bills of lading and facility receipts.

Non-hazardous historic fill and contaminated soils taken off-Site will be handled, at minimum, as a Municipal Solid Waste per 6NYCRR Part 360-1.2. Material that does not meet Unrestricted SCOs is prohibited from being taken to a New York State recycling facility (6NYCRR Part 360-16 Registration Facility).

#### **B-7 MATERIALS REUSE ON-SITE**

The qualified environmental professional will ensure that procedures defined for materials reuse in this SMP are followed and that unacceptable material does not remain on-Site. Contaminated on-Site material, including historic fill and contaminated soil, that is acceptable for reuse on-Site will be placed below the demarcation layer or impervious surface, and will not be reused within a cover soil layer, within landscaping berms, or as backfill for subsurface utility lines.

Any demolition material proposed for reuse on-Site will be sampled for asbestos and the results will be reported to the NYSDEC for acceptance. Concrete crushing or processing on-Site will not be performed without prior NYSDEC approval. Organic matter (wood, roots, stumps, etc.) or other solid waste derived from clearing and grubbing of the Site will not be reused on-Site.

#### **B-8 FLUIDS MANAGEMENT**

All liquids to be removed from the Site, including but not limited to, excavation dewatering, decontamination waters and groundwater monitoring well purge and development waters, will be handled, transported and disposed in accordance with applicable local, State, and Federal regulations. Dewatering, purge and development fluids will not be recharged back to the land surface or subsurface of the Site, and will be managed off-Site, unless prior approval is obtained from NYSDEC.

Water generated during large-scale construction activities will be discharged to surface waters (i.e. a local pond, stream or river) under a SPDES permit.

#### **B-9 COVER SYSTEM RESTORATION**

After the completion of soil removal and any other invasive activities the cover system will be restored in a manner that complies with the Record of Decision (ROD). The existing cover system is comprised of a one (1) foot layer of either clean backfill soil material or existing on-Site crushed demolition debris as illustrated in Figure 8 of this SMP. The existing concrete throughout the Site will serve as a demarcation layer to provide a visual reference to the top of the remaining contamination zone, the zone that requires adherence to special conditions for disturbance of remaining contaminated soils defined in this SMP.

If the type of cover system changes from that which exists prior to the excavation (i.e., a soil cover is replaced by asphalt), this will constitute a modification of the cover element of the remedy and the upper surface of the remaining contamination. A figure showing the modified surface will be included in the subsequent Periodic Review Report and in an updated SMP.

## **B-10 BACKFILL FROM OFF-SITE SOURCES**

All materials proposed for import onto the Site will be approved by the qualified environmental professional and will be in compliance with provisions in this SMP prior to receipt at the Site. A Request to Import/Reuse Fill or Soil form, which can be found at <http://www.dec.ny.gov/regulations/67386.html> will be prepared and submitted to the NYSDEC project manager allowing a minimum of 5 business days for review.

Material from industrial sites, spill sites, or other environmental remediation sites or potentially contaminated sites will not be imported to the Site.

All imported soils will meet the backfill and cover soil quality standards established in 6NYCRR 375-6.7(d). Based on an evaluation of the land use, protection of groundwater and protection of ecological resources criteria, the resulting soil quality standards that meet 'exempt' fill requirements under 6 NYCRR Part 360, but do not meet backfill or cover soil objectives for this Site, will not be imported onto the Site without prior approval by NYSDEC. Solid waste will not be imported onto the Site.

Trucks entering the Site with imported soils will be securely covered with tight fitting covers. Imported soils will be stockpiled separately from excavated materials and covered to prevent dust releases.

## **B-11 STORMWATER POLLUTION PREVENTION**

Barriers and hay bale checks will be installed and inspected once a week and after every storm event. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by the NYSDEC. All necessary repairs shall be made immediately.

Accumulated sediments will be removed as required to keep the barrier and hay bale check functional.

All undercutting or erosion of the silt fence toe anchor shall be repaired immediately with appropriate backfill materials.

Manufacturer's recommendations will be followed for replacing silt fencing damaged due to weathering.

Erosion and sediment control measures identified in the SMP shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters.

Silt fencing or hay bales will be installed around the entire perimeter of the construction area.

## **B-12 EXCAVATION CONTINGENCY PLAN**

If underground tanks or other previously unidentified contaminant sources are found during post-remedial subsurface excavations or development related construction, excavation activities will

be suspended until sufficient equipment is mobilized to address the condition.

Sampling will be performed on product, sediment and surrounding soils, etc. as necessary to determine the nature of the material and proper disposal method. Chemical analysis will be performed for a full list of analytes (TAL metals; TCL volatiles and semi-volatiles, TCL pesticides and PCBs), unless the Site history and previous sampling results provide a sufficient justification to limit the list of analytes. In this case, a reduced list of analytes will be proposed to the NYSDEC for approval prior to sampling.

Identification of unknown or unexpected contaminated media identified by screening during invasive Site work will be promptly communicated by phone to NYSDEC's Project Manager. Reportable quantities of petroleum product will also be reported to the NYSDEC spills hotline. These findings will be also included in the Periodic Review Report.

### **B-13 COMMUNITY AIR MONITORING PLAN**

A Community Air Monitoring Plan is included as Appendix I of the SMP. A Generic Community Air Monitoring Plan can be found in Appendix 1A of DER-10 if required.

CAMP monitoring locations will be adjusted on a daily or more frequent basis based on actual wind directions to provide an upwind and at least two downwind monitoring stations. Exceedances of action levels listed in the CAMP will be reported to NYSDEC and NYSDOH Project Managers.

### **B-14 ODOR CONTROL PLAN**

This odor control plan is capable of controlling emissions of nuisance odors off-Site. If nuisance odors are identified at the Site boundary, or if odor complaints are received, work will be halted and the source of odors will be identified and corrected. Work will not resume until all nuisance odors have been abated. NYSDEC and NYSDOH will be notified of all odor events and of any other complaints about the project. Implementation of all odor controls, including the halt of work, is the responsibility of the remedial party's Remediation Engineer, and any measures that are implemented will be discussed in the Periodic Review Report.

All necessary means will be employed to prevent on- and off-Site nuisances. At a minimum, these measures will include: (a) limiting the area of open excavations and size of soil stockpiles; (b) shrouding open excavations with tarps and other covers; and (c) using foams to cover exposed odorous soils; [add other elements as appropriate]. If odors develop and cannot be otherwise controlled, additional means to eliminate odor nuisances will include: (d) direct load-out of soils to trucks for off-Site disposal; (e) use of chemical odorants in spray or misting systems; and, (f) use of staff to monitor odors in surrounding neighborhoods [add others as necessary].

If nuisance odors develop during intrusive work that cannot be corrected, or where the control of nuisance odors cannot otherwise be achieved due to on-Site conditions or close proximity to sensitive receptors, odor control will be achieved by sheltering the excavation and handling areas in a temporary containment structure equipped with appropriate air venting/filtering systems.

### **B-15 DUST CONTROL PLAN**

A dust suppression plan that addresses dust management during invasive on-Site work will include,

at a minimum, the items listed below:

- Dust suppression will be achieved through the use of a dedicated on-Site water truck for road wetting. The truck will be equipped with a water cannon capable of spraying water directly onto off-road areas including excavations and stockpiles.
- Clearing and grubbing of larger sites will be done in stages to limit the area of exposed, unvegetated soils vulnerable to dust production.
- Gravel will be used on roadways to provide a clean and dust-free road surface.
- On-Site roads will be limited in total area to minimize the area required for water truck sprinkling.

#### **B-16 OTHER NUISANCES**

A plan for rodent control will be developed and utilized by the contractor prior to and during Site clearing and Site grubbing, and during all remedial work.

A plan will be developed and utilized by the contractor for all remedial work to ensure compliance with local noise control ordinances.



**APPENDIX C – RESPONSIBILITIES of  
OWNER and REMEDIAL PARTY**

**Responsibilities**

The City of Rochester is responsible for implementing the Site Management Plan (“SMP”) for the City of Rochester Orchard-Whitney Site (the “Site”), number # E828123. The owner is currently listed as:

City of Rochester  
Department of Environmental Quality  
City Hall  
30 Church Street, Room 300B  
Rochester, New York 14614

**Solely for the purposes of this document and based upon the facts related to a particular Site and the remedial program being carried out,** the term Remedial Party (“RP”) refers to any of the following: certificate of completion holder, volunteer, applicant, responsible party, and, in the event the New York State Department of Environmental Conservation (“NYSDEC”) is carrying out remediation or Site management, the NYSDEC and/or an agent acting on its behalf. The RP is: The City of Rochester.

Nothing on this page shall supersede the provisions of an Environmental Easement, Consent Order, Consent Decree, agreement, or other legally binding document that affects rights and obligations relating to the Site.

**Site Owner’s Responsibilities:**

- 1) The owner shall follow the provisions of the SMP as they relate to future construction and excavation at the Site.
- 2) In accordance with a periodic time frame determined by the NYSDEC, the owner shall periodically certify, in writing, that all Institutional Controls set forth in the Environmental Easement remain in place and continue to be complied with.
- 3) In the event the Site is delisted, the owner remains bound by the Environmental Easement and shall submit, upon request by the NYSDEC, a written certification that the Environmental Easement is still in place and has been complied with.
- 4) The owner shall grant access to the Site to the NYSDEC and its agents for the purposes of performing activities required under the SMP and assuring compliance with the SMP.
- 5) The owner is responsible for assuring the security of the remedial components located on its property to the best of its ability. In the event that damage to the remedial components or vandalism is evident, the owner shall notify the NYSDEC in accordance with the timeframes indicated in Section 1.3 – Notifications.

6) In the event some action or inaction by the owner adversely impacts the Site, the owner must notify the NYSDEC in accordance with the time frame indicated in Section 1.3 – Notifications and (ii) coordinate the performance of necessary corrective actions.

7) The owner must notify the NYSDEC of any change in ownership of the Site property (identifying the tax map numbers in any correspondence) and provide contact information for the new owner of the Site property/ies. 6 NYCRR Part contains notification requirements applicable to any construction or activity changes and changes in ownership. Among the notification requirements is the following: Sixty days prior written notification must be made to the NYSDEC. Notification is to be submitted to the NYSDEC Division of Environmental Remediation's Site Control Section. Notification requirements for a change in use are detailed in Section 2.4 of the SMP. A 60-Day Advance Notification Form and Instructions are found at <http://www.dec.ny.gov/chemical/76250.html>.

### **Remedial Party Responsibilities**

**(Not Applicable at this time as the City of Rochester is owner and as a result the remedial responsible party).**

1) The RP must follow the SMP provisions regarding any construction and/or excavation it undertakes at the Site.

2) The RP shall report to the NYSDEC all activities required for remediation, operation, maintenance, monitoring, and reporting. Such reporting includes, but is not limited to, periodic review reports and certifications, electronic data deliverables, corrective action work plans and reports, and updated SMPs.

3) Before accessing the Site property to undertake a specific activity, the RP shall provide the owner advance notification that shall include an explanation of the work expected to be completed. The RP shall provide to (i) the owner, upon the owner's request, (ii) the NYSDEC, and (iii) other entities, if required by the SMP, a copy of any data generated during the Site visit and/or any final report produced.

4) If the NYSDEC determines that an update of the SMP is necessary, the RP shall update the SMP and obtain final approval from the NYSDEC. Within 5 business days after NYSDEC approval, the RP shall submit a copy of the approved SMP to the owner(s).

5) The RP shall notify the NYSDEC and the owner of any changes in RP ownership and/or control and of any changes in the party/entity responsible for the operation, maintenance, and monitoring of and reporting with respect to any remedial system (Engineering Controls). The RP shall provide contact information for the new party/entity. Such activity constitutes a Change of Use pursuant to 375-1.11(d) and requires 60-days prior notice to the NYSDEC. A 60-Day Advance Notification Form and Instructions are found at <http://www.dec.ny.gov/chemical/76250.html>.

6) The RP shall notify the NYSDEC of any damage to or modification of the systems as required under Section 1.3 – Notifications of the SMP.

7) The RP is responsible for the proper maintenance of any installed vapor intrusion mitigation

systems associated with the Site, if required and installed.

9) Prior to a change in use that impacts the remedial system or requirements and/or responsibilities for implementing the SMP, the RP shall submit to the NYSDEC for approval an amended SMP.

10) Any change in use, change in ownership, change in Site classification (*e.g.*, delisting), reduction or expansion of remediation, and other significant changes related to the Site may result in a change in responsibilities and, therefore, necessitate an update to the SMP and/or updated legal documents. The RP shall contact the Department to discuss the need to update such documents.

Change in RP ownership and/or control and/or Site ownership does not affect the RP's obligations with respect to the site unless a legally binding document executed by the NYSDEC releases the RP of its obligations.

Future Site owners and RPs and their successors and assigns are required to carry out the activities set forth above.

## **APPENDIX D – ENVIRONMENTAL EASEMENT**

This Appendix includes a copy of the Environmental Easements and/or appropriate deed restrictions, environmental notices, etc. The survey figure that shows the restricted areas is included in this Appendix.

**ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36  
OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW**

**THIS INDENTURE** made this 26<sup>th</sup> day of September, 2016, between Owner(s) City of Rochester, having an office at 30 Church Street, Rochester, New York 14614-1290, County of Monroe, State of New York (the "Grantor"), and The People of the State of New York (the "Grantee."), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

**WHEREAS**, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

**WHEREAS**, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

**WHEREAS**, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

**WHEREAS**, Grantor, is the owner of real property located at the address of 354 Whitney Street in the City of Rochester, County of Monroe and State of New York, known and designated on the tax map of the County Clerk of Monroe as tax map parcel numbers: Section 105.66 Block 3 Lot 24, being the same as that property conveyed to Grantor by deed dated August 15, 2006 and recorded in the Monroe County Clerk's Office in Liber and Page 10342/568. The property subject to this Environmental Easement (the "Controlled Property") comprises approximately 2.771 +/- acres, and is hereinafter more fully described in the Land Title Survey dated December 22, 2015 and last revised August 2, 2016 prepared by Daniel J. MacDonald, P.L.S., which will be attached to the Site Management Plan. The Controlled Property description is set forth in and attached hereto as Schedule A, and is identified as Parcel A;

**WHEREAS**, Grantor, is the owner of real property located at the address of 415 Orchard Street in the City of Rochester, County of Monroe and State of New York, known and designated on the tax map of the County Clerk of Monroe as tax map parcel numbers: Section 105.66 Block

3 Lot 23, being the same as that property conveyed to Grantor by deed dated December 29, 2008 and recorded in the Monroe County Clerk's Office in Liber and Page 10705/335. The property subject to this Environmental Easement (the "Controlled Property") comprises approximately 1.302 +/- acres, and is hereinafter more fully described in the Land Title Survey dated December 22, 2015 and last revised August 2, 2016 prepared by Daniel J. MacDonald, P.L.S., which will be attached to the Site Management Plan. The Controlled Property description is set forth in and attached hereto as Schedule A, and is identified as Parcel B; and

**WHEREAS**, the Department accepts this Environmental Easement in order to ensure the protection of public health and the environment and to achieve the requirements for remediation established for the Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36; and

**NOW THEREFORE**, in consideration of the mutual covenants contained herein and the terms and conditions of State Assistance Contract Number: C303000, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement").

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

A. (1) The Controlled Property may be used for:

**Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)**

(2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);

(3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP;

(4) The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Monroe County Department of Health to render it safe for use as drinking water or for industrial purposes, and

the user must first notify and obtain written approval to do so from the Department;

(5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(6) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

(7) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

(8) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

(9) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP;

(10) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The Controlled Property shall not be used for Residential or Restricted Residential purposes as defined in 6NYCRR 375-1.8(g)(2)(i) and (ii), and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Site Control Section  
Division of Environmental Remediation  
NYSDEC  
625 Broadway  
Albany, New York 12233  
Phone: (518) 402-9553

D. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

E. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the

property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

**This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation Law.**

F. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

G. Grantor covenants and agrees that it shall, at such time as NYSDEC may require, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individual set forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

(i) are in-place;

(ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved by the NYSDEC and that all controls are in the Department-approved format; and

(iii) that nothing has occurred that would impair the ability of such control to protect the public health and environment;

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls;

(5) the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and

(7) the information presented is accurate and complete.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:





Division of Environmental Remediation  
NYSDEC  
625 Broadway  
Albany, NY 12233

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. Any amendment to this Environmental Easement may only be executed by the Commissioner of the New York State Department of Environmental Conservation or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

**Remainder of Page Intentionally Left Blank**

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

City of Rochester:

By: 

Print Name: MARK D GREGOR

Title: MANAGER DEQ Date: 9-13-16

**Grantor's Acknowledgment**

STATE OF NEW YORK )  
 ) ss:  
COUNTY OF Monroe )

On the 13<sup>th</sup> day of Sept, in the year 2016, before me, the undersigned, personally appeared Mark D. Gregor, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

  
Notary Public - State of New York

VICKI BRAWN  
Notary Public in the State of New York  
MONROE COUNTY  
Commission Expires August 18, 2018  
01BR486858

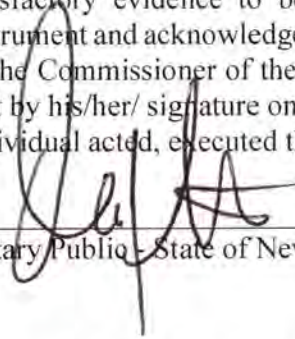
**THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK,** Acting By and Through the Department of Environmental Conservation as Designee of the Commissioner.

By:   
Robert W. Schick, Director  
Division of Environmental Remediation

**Grantee's Acknowledgment**

STATE OF NEW YORK )  
 ) ss:  
COUNTY OF ALBANY )

On the 26<sup>th</sup> day of September, in the year 2016, before me, the undersigned, personally appeared Robert W. Schick, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

  
Notary Public - State of New York

**David J. Chiusano**  
**Notary Public, State of New York**  
No. 01CH5032146  
Qualified in Schenectady County  
Commission Expires August 22, 2018

**SCHEDULE "A" PROPERTY DESCRIPTION**

**PARCEL A (354 WHITNEY STREET)**

ALL THAT TRACT OR PARCEL OF LAND SITUATE IN THE CITY OF ROCHESTER, COUNTY OF MONROE, STATE OF NEW YORK, BEING PART OF TOWN LOT 62, 20,000 ACRE TRACT, TOWNSHIP 1, SHORT RANGE, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT AN IRON PIN IN THE EASTERLY LINE OF WHITNEY STREET WHICH IRON PIN IS LOCATED 499.44 FEET SOUTH OF THE INTERSECTION OF THE EASTERLY LINE OF WHITNEY STREET WITH THE SOUTH LINE OF LYELL AVENUE; THENCE

- 1) NORTHERLY ALONG THE EASTERLY LINE OF WHITNEY STREET A DISTANCE OF 332.28 FEET TO A POINT; THENCE
- 2) EASTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 89°55'44" A DISTANCE OF 218.98 FEET TO A POINT; THENCE
- 3) NORTHERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 270°04'00" A DISTANCE OF 48.43 FEET TO A POINT; THENCE
- 4) EASTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 90°01'10" A DISTANCE OF 128.51 FEET TO A POINT; THENCE
- 5) SOUTHERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 90°00'00" A DISTANCE OF 200.20 FEET TO A POINT; THENCE
- 6) WESTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 90°00'20" A DISTANCE OF 40.20 FEET TO A POINT; THENCE
- 7) SOUTHERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 270°00'40" A DISTANCE 132.45 FEET TO A POINT; THENCE
- 8) EASTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 269°57'00" A DISTANCE OF 26.08 FEET TO A POINT; THENCE
- 9) SOUTHEASTERLY ON A CURVE TO THE LEFT, HAVING A RADIUS OF 7.44 FEET, A DISTANCE OF 18.46 FEET TO A POINT, SAID POINT BEING 14 FEET FROM THE END OF COURSE #8 EXTENDED; THENCE
- 10) EASTERLY ON THE LINE OF COURSE #8 EXTENDED, A DISTANCE OF 20.43 FEET TO A POINT; THENCE
- 11) SOUTHERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 90°00'00" A DISTANCE OF 20.58 FEET TO A POINT; THENCE
- 12) EASTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 270°00'00" A DISTANCE OF 118.06 FEET TO A POINT; THENCE
- 13) SOUTHERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 89°43'50" A DISTANCE OF 28.18 FEET TO A POINT; THENCE
- 14) WESTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 90°10'10" A DISTANCE OF 485.84 FEET TO THE POINT AND PLACE OF BEGINNING.

CONTAINING AN AREA OF APPROXIMATELY 120,697 SQUARE FEET OR 2.771 ACRES MORE OR LESS.

**PARCEL B (415 ORCHARD STREET)**

ALL THAT TRACT OR PARCEL OF LAND SITUATE IN THE CITY OF ROCHESTER, COUNTY OF MONROE, STATE OF NEW YORK, BEING PART OF TOWN LOT 62, 20,000 ACRE TRACT, TOWNSHIP 1, SHORT RANGE, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE WEST LINE OF ORCHARD STREET 192.42 FEET DISTANT SOUTH OF THE INTERSECTION OF THE INTERSECTION OF LYELL AVENUE WITH THE WEST LINE OF ORCHARD STREET; RUNNING THENCE THE FOLLOWING BEARINGS AND DISTANCES: THENCE

- 1) SOUTH ALONG THE WEST LINE OF ORCHARD STREET A DISTANCE OF 308.22 FEET TO ITS INTERSECTION WITH THE NORTH LINE OF LANDS NOW OR FORMERLY OF THE NEW YORK CENTRAL RAILROAD; THENCE
- 2) WEST AT AN INTERIOR ANGLE WITH COURSE No. 1 OF 89°53'50" AND ALONG THE NORTH LINE OF SAID NEW YORK CENTRAL RAILROAD LANDS A DISTANCE OF 42.49 FEET TO A POINT; THENCE
- 3) NORTH AT AN INTERIOR ANGLE WITH COURSE No. 2 OF 89°49'35" A DISTANCE OF 28.18 FEET; THENCE
- 4) WEST AT AN INTERIOR ANGLE WITH COURSE No. 3 OF 270°16'10" A DISTANCE OF 118.06 FEET; THENCE
- 5) NORTH AT AN INTERIOR ANGLE WITH COURSE No. 4 OF 90°00'00" A DISTANCE OF 20.58 FEET; THENCE
- 6) WEST AT AN INTERIOR ANGLE WITH COURSE No. 5 OF 270°00'00" A DISTANCE OF 20.43 FEET; THENCE
- 7) NORTHWESTERLY ON A CURVE TO THE RIGHT, A DISTANCE OF 18.23 FEET ON A CURVE HAVING A RADIUS OF 7.44 FEET; THENCE
- 8) WEST AND A CONTINUATION OF COURSE No. 6 A DISTANCE OF 26.08 FEET; THENCE
- 9) NORTH AT AN INTERIOR ANGLE WITH COURSE No. 8 OF 90°03'00" A DISTANCE OF 132.45 FEET; THENCE
- 10) EAST AT AN INTERIOR ANGLE WITH COURSE No. 9 OF 89°59'20" A DISTANCE OF 40.20; THENCE
- 11) NORTH AT AN INTERIOR ANGLE WITH COURSE No. 10 OF 269°59'40" A DISTANCE OF 126.20 FEET; THENCE
- 12) EAST AT AN INTERIOR ANGLE WITH COURSE No. 11 OF 90°11'30" A DISTANCE OF 180.86 FEET TO THE PLACE OF THE BEGINNING. THE LAST COURSE MAKING AN INTERIOR ANGLE WITH THE FIRST COURSE OF 89°46'51" TO THE POINT OR PLACE OF BEGINNING.

CONTAINING AN AREA OF APPROXIMATELY 56,702 SQUARE FEET OR 1.302 ACRES MORE OR LESS.

EASEMENT DESCRIPTION:

PARCEL B

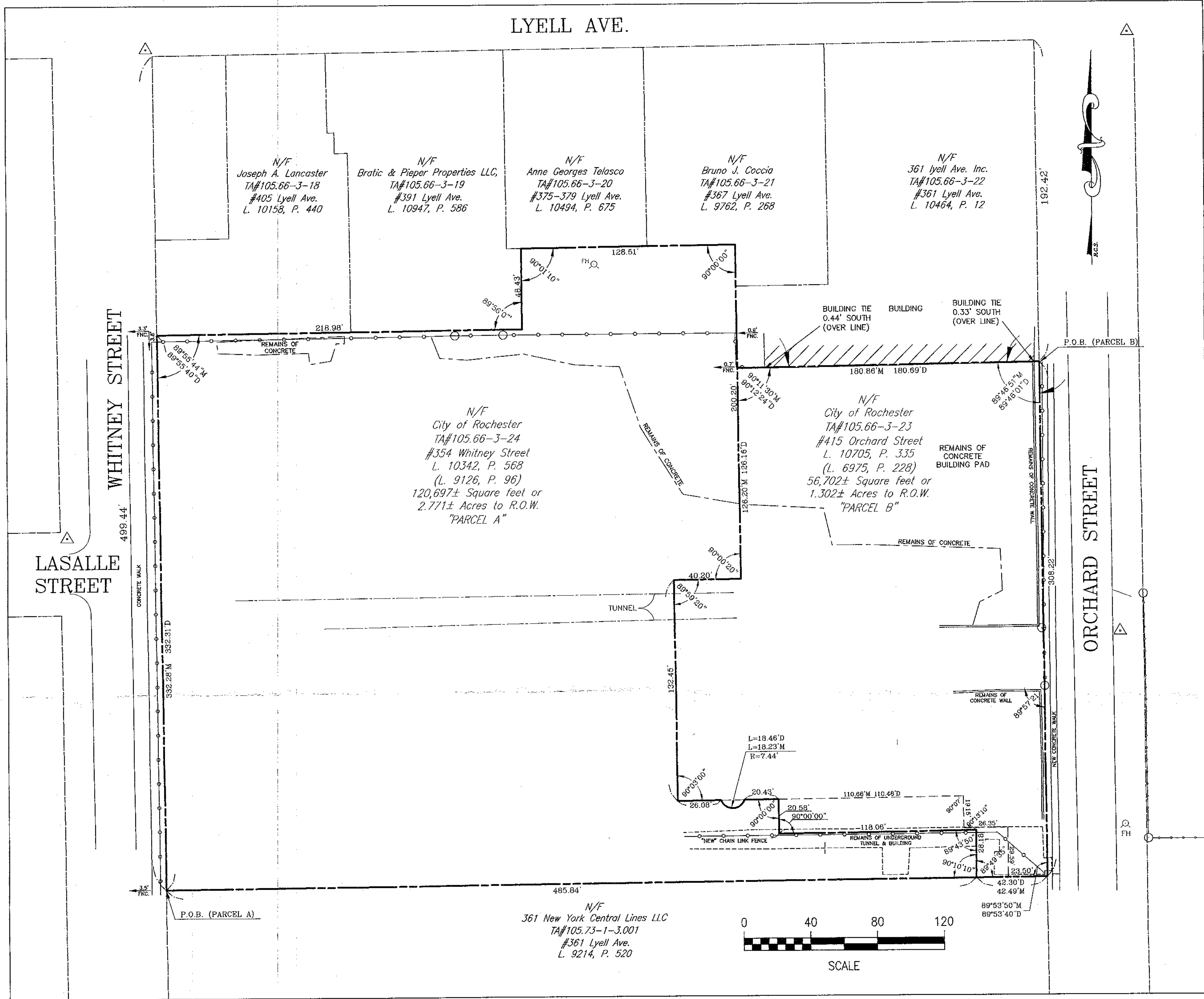
EASEMENT DESCRIPTION:

PARCEL B

ALL THAT TRACT OR PARCEL OF LAND SITUATE IN THE CITY OF ROCHESTER, COUNTY OF MONROE, STATE OF NEW YORK, BEING PART OF TOWN LOT 62, 20,000 ACRE TRACT, TOWNSHIP 1, SHORT RANGE, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE WEST LINE OF ORCHARD STREET 192.42 FEET DISTANT SOUTH OF THE INTERSECTION OF THE INTERSECTION OF LYELL AVENUE WITH THE WEST LINE OF ORCHARD STREET; RUNNING THENCE THE FOLLOWING BEARINGS AND DISTANCES: THENCE

- 1) SOUTH ALONG THE WEST LINE OF ORCHARD STREET A DISTANCE OF 308.22 FEET TO ITS INTERSECTION WITH THE NORTH LINE OF LANDS NOW OR FORMERLY OF THE NEW YORK CENTRAL RAILROAD; THENCE
2) WEST AT AN INTERIOR ANGLE WITH COURSE No. 1 OF 89°53'50" AND ALONG THE NORTH LINE OF SAID NEW YORK CENTRAL RAILROAD LANDS A DISTANCE OF 42.49 FEET TO A POINT; THENCE
3) NORTH AT AN INTERIOR ANGLE WITH COURSE No. 2 OF 89°49'35" A DISTANCE OF 28.18 FEET; THENCE
4) WEST AT AN INTERIOR ANGLE WITH COURSE No. 3 OF 270°16'10" A DISTANCE OF 118.06 FEET; THENCE
5) NORTH AT AN INTERIOR ANGLE WITH COURSE No. 4 OF 90°00'00" A DISTANCE OF 20.58 FEET; THENCE
6) WEST AT AN INTERIOR ANGLE WITH COURSE No. 5 OF 270°00'00" A DISTANCE OF 20.43 FEET; THENCE
7) NORTHWESTERLY ON A CURVE TO THE RIGHT, A DISTANCE OF 18.23 FEET ON A CURVE HAVING A RADIUS OF 7.44 FEET; THENCE
8) WEST AND A CONTINUATION OF COURSE No. 6 A DISTANCE OF 26.08 FEET; THENCE
9) NORTH AT AN INTERIOR ANGLE WITH COURSE No. 8 OF 90°03'00" A DISTANCE OF 132.45 FEET; THENCE
10) EAST AT AN INTERIOR ANGLE WITH COURSE No. 9 OF 89°59'20" A DISTANCE OF 40.20; THENCE
11) NORTH AT AN INTERIOR ANGLE WITH COURSE No. 10 OF 269°59'40" A DISTANCE OF 126.20 FEET; THENCE
12) EAST AT AN INTERIOR ANGLE WITH COURSE No. 11 OF 90°11'30" A DISTANCE OF 180.86 FEET TO THE PLACE OF BEGINNING, THE LAST COURSE MAKING AN INTERIOR ANGLE WITH THE FIRST COURSE OF 89°46'51" TO THE POINT OR PLACE OF BEGINNING.

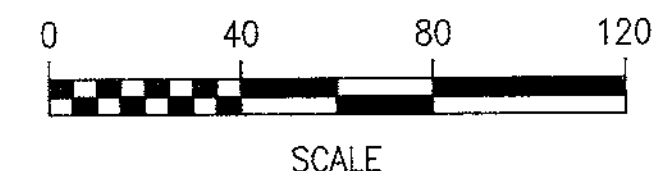


EASEMENT DESCRIPTION:

PARCEL A
ALL THAT TRACT OR PARCEL OF LAND SITUATE IN THE CITY OF ROCHESTER, COUNTY OF MONROE, STATE OF NEW YORK, BEING PART OF TOWN LOT 62, 20,000 ACRE TRACT, TOWNSHIP 1, SHORT RANGE, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

- 1) NORTHERLY ALONG THE EASTERLY LINE OF EASTERLY LINE OF WHITNEY STREET WHICH IRON PIN IS LOCATED 499.44 FEET SOUTH OF THE INTERSECTION OF THE EASTERLY LINE OF WHITNEY STREET WITH THE SOUTH LINE OF LYELL AVENUE; THENCE
2) NORTHERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 89°55'44" A DISTANCE OF 218.98 FEET TO A POINT; THENCE
3) NORTHERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 270°04'00" A DISTANCE OF 48.43 FEET TO A POINT; THENCE
4) EASTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 90°01'10" A DISTANCE OF 128.51 FEET TO A POINT; THENCE
5) SOUTHERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 90°00'00" A DISTANCE OF 200.20 FEET TO A POINT; THENCE
6) WESTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 90°00'20" A DISTANCE OF 40.20 FEET TO A POINT; THENCE
7) SOUTHERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 270°00'40" A DISTANCE 132.45 FEET TO A POINT; THENCE
8) EASTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 269°57'00" A DISTANCE OF 26.08 FEET TO A POINT; THENCE
9) SOUTHEASTERLY ON A CURVE TO THE LEFT, HAVING A RADIUS OF 7.44 FEET, A DISTANCE OF 18.46 FEET TO A POINT, SAID POINT BEING 14 FEET FROM THE END OF COURSE #8 EXTENDED; THENCE
10) EASTERLY ON THE LINE OF COURSE #9 EXTENDED, A DISTANCE OF 20.43 FEET TO A POINT; THENCE
11) SOUTHERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 90°00'00" A DISTANCE OF 20.58 FEET TO A POINT; THENCE
12) EASTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 270°00'00" A DISTANCE OF 118.06 FEET TO A POINT; THENCE
13) SOUTHERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 89°43'50" A DISTANCE OF 28.18 FEET TO A POINT; THENCE
14) WESTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 90°10'10" A DISTANCE OF 485.84 FEET TO THE POINT AND PLACE OF BEGINNING.

LEGEND
APPROXIMATE RIGHT-OF-WAY
EASEMENT BOUNDARIES
EXISTING BUILDING
EXISTING ADJOINING PROPERTY LINES
CHAIN LINK FENCE
SURVEY CONTROL POINT/MONUMENT
FIRE HYDRANT



Survey Notes & References:

- 1. Horizontal Datum is NAD 1983.
2. Coordinates were supplied by City of Rochester Survey Office.
3. Vertical Datum is NAVD 1988 also supplied by City of Rochester Survey Office.
4. Distances shown hereon are ground.
5. Deeds listed in Liber 10705, Page 335 recorded 01-05-09; Liber 10342, Page 568 recorded 08-17-06; Liber 10494, Page 675 recorded 07-30-07; Liber 9762, Page 268 recorded 03-27-03; Liber 10464, Page 12 recorded 05-23-07; Liber 10947, Page 586 recorded 12-02-10; Liber 10158, Page 440 recorded 07-22-05; Liber 9214, Page 520 recorded 09-16-99; Liber 9126, Page 96 recorded 02-19-99; Liber 6975, Page 228 recorded 09-16-86; Liber 9786, Page 105 recorded 05-16-03; Liber 7079, Page 98 recorded 03-10-87.
6. The last two recorded deeds for this parcel do not have a metes and bounds description.
7. There appears to be encumbrances that can not be plotted. These lie in Liber 4343 of Deeds Page 1 and Liber 5065 of Deeds Page 194.
8. There does not appear to be any restricted use zones or wetland areas delineated on this site at this time.

CERTIFICATION:
WE, JOSEPH C. LU ENGINEERS AND LAND SURVEYING, P.C. CERTIFY THAT THIS SURVEY MAP WAS PREPARED ON DECEMBER 22, 2015 FROM NOTES OF A SURVEY COMPLETED ON DECEMBER 18, 2015.

DANIEL J. MACDONALD, N.Y.S. P.L.S. 050613
9/6/16
DATE

THE PROPERTY IS SUBJECT TO AN ENVIRONMENTAL EASEMENT HELD BY THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION PURSUANT TO TITLE 36 OF ARTICLE 71 OF THE NEW YORK ENVIRONMENTAL CONSERVATION LAW. THE ENGINEERING AND INSTUTIONAL CONTROLS FOR THIS EASEMENT ARE SET FORTH IN MORE DETAIL IN THE SITE MANAGEMENT PLAN (SMP). A COPY OF THE SMP MUST BE OBTAINED BY ANY PARTY WITH AN INTEREST IN THE PROPERTY. THE SMP CAN BE OBTAINED FROM NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION, DIVISION OF ENVIRONMENTAL REMEDIATION, SITE CONTROL SECTION, 625 BROADWAY, ALBANY, NY 12233 OR AT derweb@dec.ny.gov

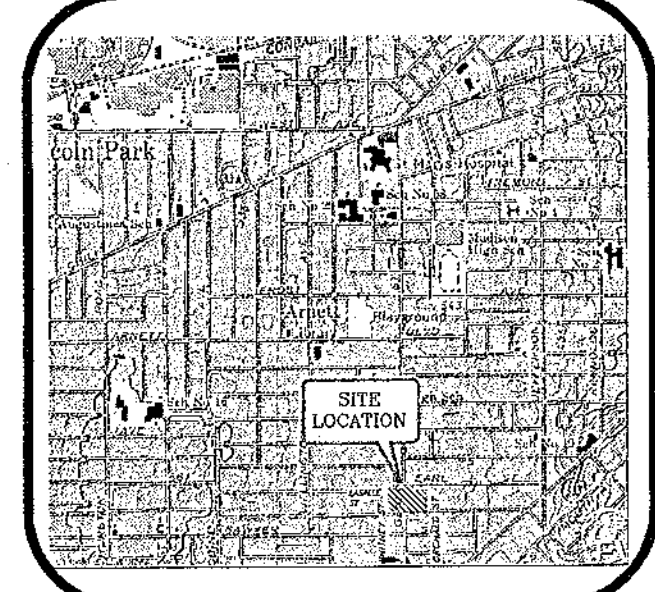


Table with columns: DATE, REVISIONS, BY. Row 1: 8/2/16 REVISED PARCEL "B" DESCRIPTION

DRAWING ALTERATION
Note: It is a violation of law for any person, unless they are acting under the direction of a licensed professional engineer, architect, landscape architect or land surveyor to alter in any way, if an item bearing the stamp of a licensed professional is altered, the altering engineer, architect, landscape architect or land surveyor shall stamp the document and include the notation "altered by" followed by their signature, the date of such alteration, and a specific description of the alteration.



BY:
DATE:



175 Sullys Trail, Suite 202
Pittsford, New York 14534
(585) 385-7417
Fax: (585) 385-3741
luengineers.com

PROJECT:
415 ORCHARD STREET & 354 WHITNEY STREET
ERP SITE #E828123
CITY OF ROCHESTER, COUNTY OF MONROE STATE OF NEW YORK

CLIENT:
CITY OF ROCHESTER
ROCHESTER, NEW YORK

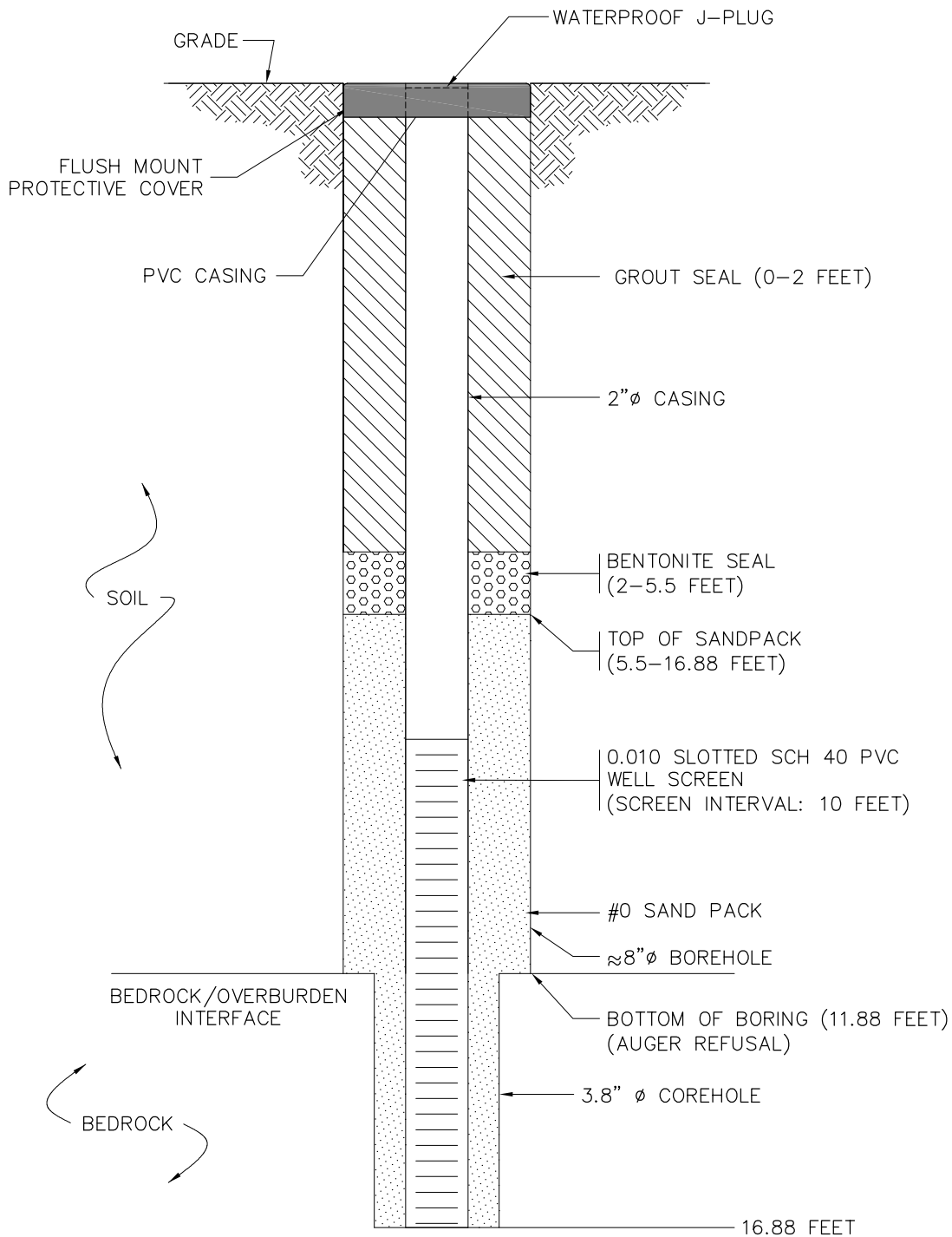
DRAWING TITLE:
SHOWING EASEMENT TO N.Y.S.D.E.C. PARCELS A & B

Table with columns: DESIGNED BY, DRAWN BY, CHECKED BY, SHEET, SCALE, DATE, PROJECT No., DRAWING No. Values: GA, DJM, AC, 1 OF 1, 1"=40', 12-22-15, 4216, SU-1

1. Copyright 1996, Lu Engineers All rights reserved. 2. Unauthorized alteration or addition to a survey map bearing a licensed land surveyor's seal is a violation of Section 7209, sub-section 2, of the New York State Education Law. 3. Only copies from the original of this survey marked with an original of the land surveyor's enclosed seal shall be considered valid true copies. 4. Certifications indicated hereon signify that this survey was prepared in accordance with the existing Code of Practice for Land Surveys adopted by the New York State Association of Professional Land Surveyors, Inc. Said certification shall run only to the person for whom the survey is prepared, and on his behalf to the title company, governmental agency and lending institution listed hereon, and to the assignees of the lending institution. Certifications are not transferable to additional institutions or subsequent owners. 5. The location of underground improvements or encroachments, if any exist or are shown hereon, are not certified. 6. This map may not be used in connection with a "Survey Affidavit" or similar document, statement or declaration to obtain title insurance for any subsequent or future grantee. \* FORTY-NINE: New York State Education Law Section 7209 states that all plans, specifications, and reports prepared by such land surveyors of by a full time or part time subordinate under his/her supervision shall be stamped with such seal and shall also be signed on the original with the personal signature of the land surveyor when filed with public officials.

## APPENDIX E – MONITORING WELL AND CONSTRUCTION LOGS





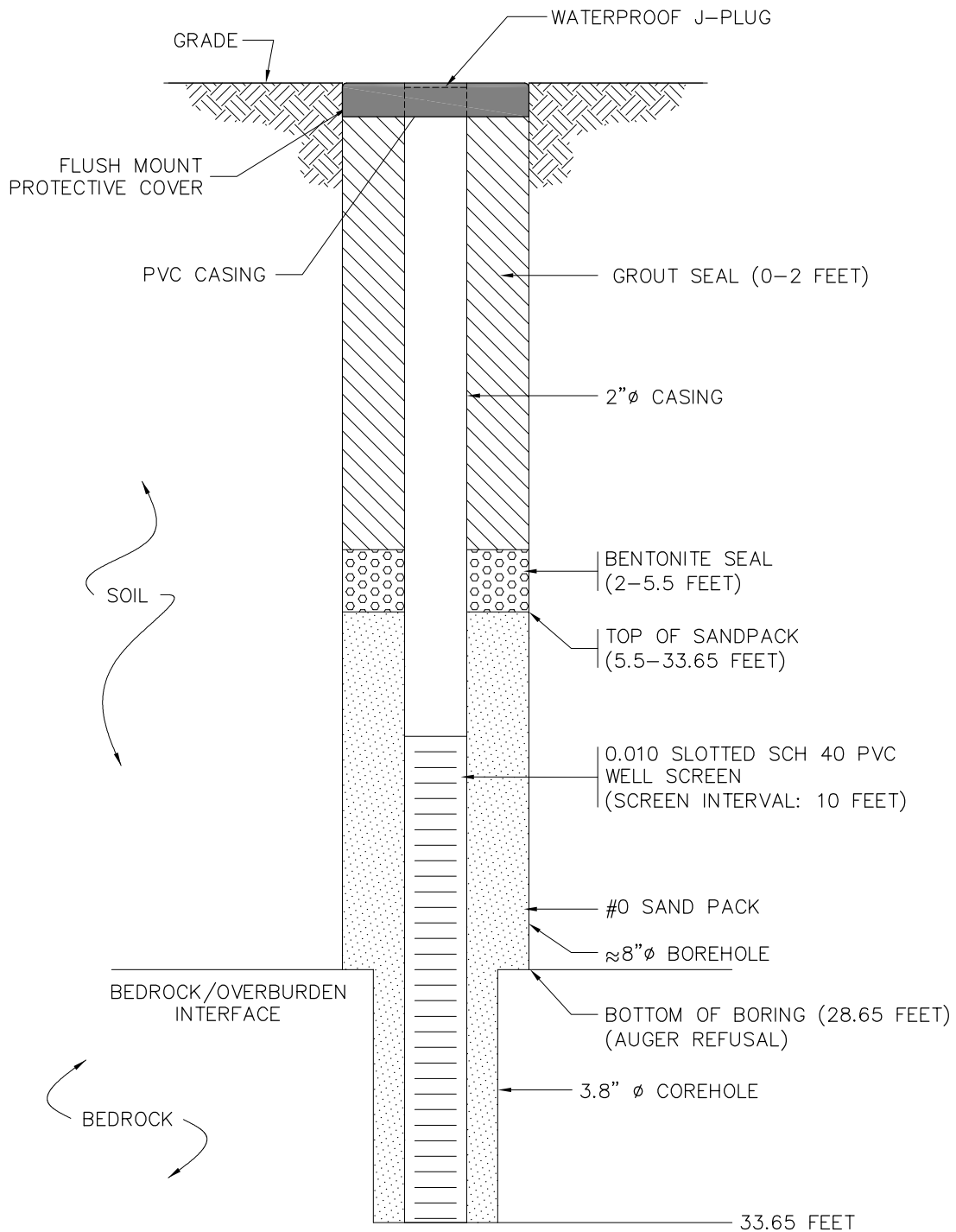
MW-26 CONSTRUCTION DETAIL  
NOT TO SCALE



**FLUSH MOUNT WELL DIAGRAM**

MONITORING WELL 26  
CITY OF ROCHESTER  
ORCHARD WHITNEY

|               |             |
|---------------|-------------|
| DATE:         | AUGUST 2015 |
| SCALE:        | NONE        |
| DRAWN/CHECKED | JRM/LG      |
| P.N.          | 4216-07     |

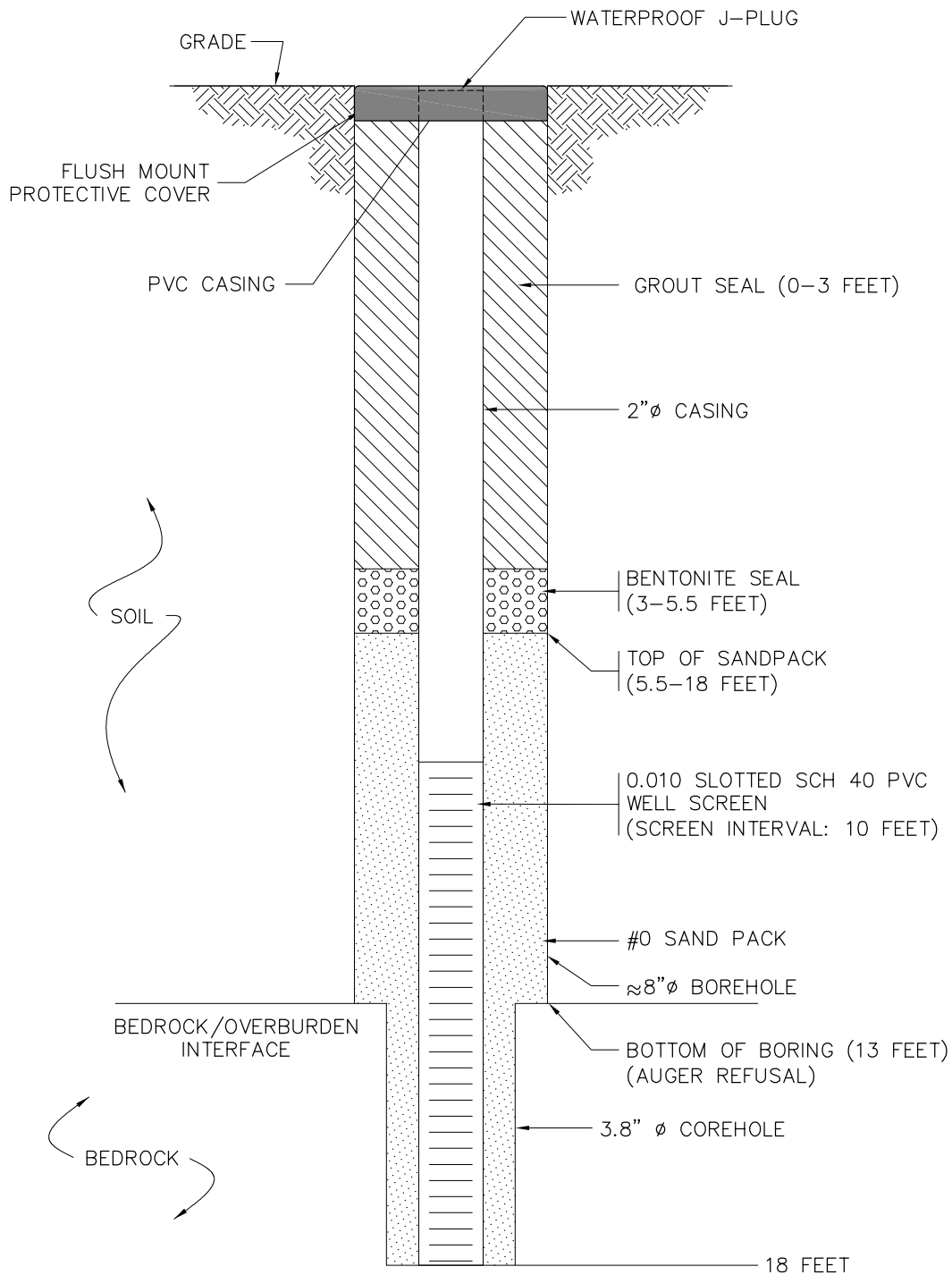


MW-27 CONSTRUCTION DETAIL  
NOT TO SCALE

**FLUSH MOUNT WELL DIAGRAM**

MONITORING WELL 27  
CITY OF ROCHESTER  
ORCHARD WHITNEY

|               |             |
|---------------|-------------|
| DATE:         | AUGUST 2015 |
| SCALE:        | NONE        |
| DRAWN/CHECKED | JRM/LG      |
| P.N.          | 4216-07     |



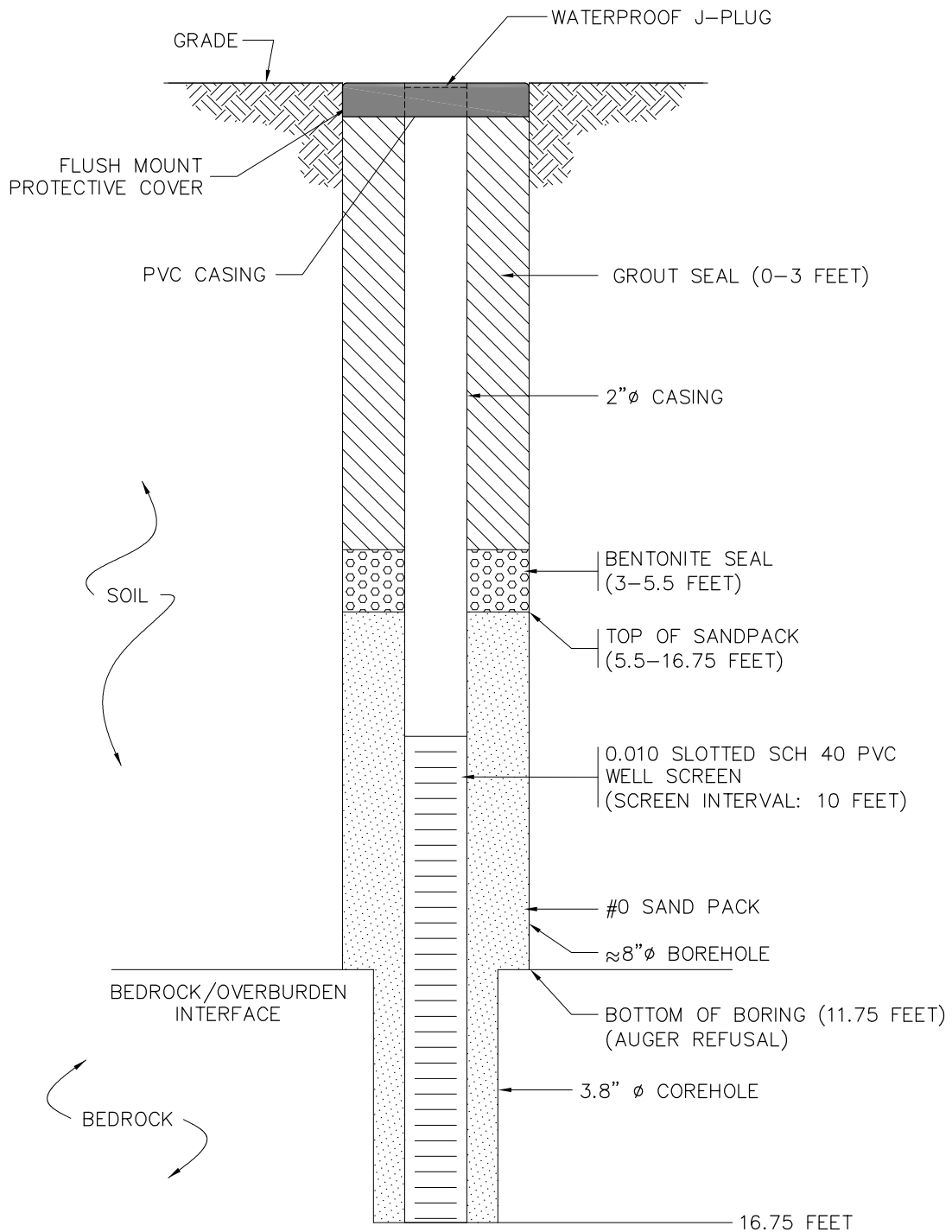
MW-28 CONSTRUCTION DETAIL  
NOT TO SCALE



**FLUSH MOUNT WELL DIAGRAM**

MONITORING WELL 28  
 CITY OF ROCHESTER  
 ORCHARD WHITNEY

|               |             |
|---------------|-------------|
| DATE:         | AUGUST 2015 |
| SCALE:        | NONE        |
| DRAWN/CHECKED | JRM/LG      |
| P.N.          | 4216-07     |



MW-29 CONSTRUCTION DETAIL  
NOT TO SCALE

**FLUSH MOUNT WELL DIAGRAM**

MONITORING WELL 29  
 CITY OF ROCHESTER  
 ORCHARD WHITNEY

|               |             |
|---------------|-------------|
| DATE:         | AUGUST 2015 |
| SCALE:        | NONE        |
| DRAWN/CHECKED | JRM/LG      |
| P.N.          | 4216-07     |

|                 |                     |
|-----------------|---------------------|
| PROJECT         | BORING MW-26        |
| Orchard-Whitney | SHEET 1 OF 1        |
|                 | JOB #: 4216-06      |
|                 | CHKD. BY: G. Andrus |

|                                    |                               |                   |
|------------------------------------|-------------------------------|-------------------|
| DRILLER: Nothnagle- NS             | GROUND SURFACE ELEVATION: N/A | DATUM: N/A        |
| JCL GEOLOGIST: G. Andrus, L.Gregor | START DATE: 7/20/15           | END DATE: 7/20/15 |

|                                                                                                     |                  |      |       |        |         |
|-----------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG:<br>CASING SIZE AND TYPE:<br>OVERBURDEN SAMPLING METHOD:<br>ROCK DRILLING METHOD: | WATER LEVEL DATA |      |       |        |         |
|                                                                                                     | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                     |                  |      |       |        |         |
|                                                                                                     |                  |      |       |        |         |
|                                                                                                     |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                                                                                                                                                                            | PID |
|-------|-------------|-----|-------------|-----------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                                                                                                                                                                               |     |
| 1     |             |     |             |                 | 50%          | Concrete core to 0.5' bgs<br>Concrete subbase cmf SAND, and cmf GRAVEL                                                                                                                                                        | N/D |
| 2     |             |     |             |                 |              | brown fine SAND, some mf GRAVEL, little cm SAND, trace silt, firm, moist, no odor                                                                                                                                             | N/D |
| 3     |             |     |             |                 |              |                                                                                                                                                                                                                               |     |
| 4     |             |     |             |                 |              |                                                                                                                                                                                                                               |     |
| 5     |             |     |             |                 |              | brown similar soil with cmf GRAVEL/cmf SAND cinder lense at 5'-5.5' (loose, black, moist, no odor)                                                                                                                            | N/D |
| 6     |             |     |             |                 |              | brown, fine SAND (wet) 5.5'-6'<br>brown mf SAND some cmf GRAVEL, trace SILT, wet, loose, no odor                                                                                                                              | N/D |
| 7     |             |     |             |                 |              |                                                                                                                                                                                                                               |     |
| 8     |             |     |             |                 |              |                                                                                                                                                                                                                               |     |
| 9     |             |     |             |                 |              | similar soil becoming looser and more saturated                                                                                                                                                                               | N/D |
| 10    |             |     |             |                 |              | Soil sample taken @ 9.5' MW-26<br>gravel becoming brown cmf SAND and silt, some cmf GRAVEL, firmer, wet, no odor                                                                                                              | N/D |
| 11    |             |     |             |                 |              |                                                                                                                                                                                                                               |     |
| 12    |             |     |             |                 |              | brown-grey glacial till (fine SAND) and SILT, some cm SAND, some cmf GRAVEL, firm, moist, no odor.                                                                                                                            | N/D |
| 13    |             |     |             |                 |              | Switched to coring tools (NX). Cored to approx. 17' TD. RQD determined to be approximately 80%.<br>Rock is massively bedded dolostone, hard, slightly weathered, with moderately close fracture/joint spacing with few voids. |     |
| 14    |             |     |             |                 |              |                                                                                                                                                                                                                               |     |
| 15    |             |     |             |                 |              |                                                                                                                                                                                                                               |     |
| 16    |             |     |             |                 |              |                                                                                                                                                                                                                               |     |
| 17    |             |     |             |                 |              | 17' (16.88) Core hole terminated                                                                                                                                                                                              |     |
| 18    |             |     |             |                 |              |                                                                                                                                                                                                                               |     |
| 19    |             |     |             |                 |              |                                                                                                                                                                                                                               |     |
| 20    |             |     |             |                 |              |                                                                                                                                                                                                                               |     |

|                                                                                                  |                              |
|--------------------------------------------------------------------------------------------------|------------------------------|
| <b>LEGEND</b><br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | Bedrock encountered at 12.1' |
|--------------------------------------------------------------------------------------------------|------------------------------|

GENERAL NOTES:  
 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

BORING #

|                                    |                               |                   |
|------------------------------------|-------------------------------|-------------------|
| DRILLER: Nothnagle- NS             | GROUND SURFACE ELEVATION: N/A | DATUM: N/A        |
| JCL GEOLOGIST: G. Andrus, L.Gregor | START DATE: 7/20/15           | END DATE: 7/21/15 |

|                                                                                                     |                  |      |       |        |         |
|-----------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG:<br>CASING SIZE AND TYPE:<br>OVERBURDEN SAMPLING METHOD:<br>ROCK DRILLING METHOD: | WATER LEVEL DATA |      |       |        |         |
|                                                                                                     | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                     |                  |      |       |        |         |
|                                                                                                     |                  |      |       |        |         |
|                                                                                                     |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                                                   | PID |
|-------|-------------|-----|-------------|-----------------|--------------|------------------------------------------------------------------------------------------------------|-----|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                                                      |     |
| 1     |             |     |             |                 |              | 12-14' concrete- balck cinders/concrete                                                              | N/D |
| 2     |             |     |             |                 | 40%          | brown, fine SAND, little mf GRAVEL<br>firm, moist, no odor                                           | N/D |
| 3     |             |     |             |                 |              |                                                                                                      |     |
| 4     |             |     |             |                 |              | brown mf SAND, some mf GRAVEL, loose, moist, no odor                                                 | N/D |
| 5     |             |     |             |                 | 25%          | brown similar soil loose, saturated, no odor                                                         | N/D |
| 6     |             |     |             |                 |              |                                                                                                      |     |
| 7     |             |     |             |                 |              |                                                                                                      |     |
| 8     |             |     |             |                 |              |                                                                                                      |     |
| 9     |             |     |             |                 | 50%          | light brown fine SAND and SILT, some cmf GRAVEL, firm, saturated, no odor                            | N/D |
| 10    |             |     |             |                 |              |                                                                                                      |     |
| 11    |             |     |             |                 |              |                                                                                                      |     |
| 12    |             |     |             |                 |              | grey/brown SILT, little cmf SAND, little mf GRAVEL, trace CLAY, firm, moist, no odor                 | N/D |
| 13    |             |     |             |                 | 30%          | soil sample @ 12' MW-27A<br>grey, fine SAND and cmf GRAVEL, little cm SAND, firm, saturated, no odor | N/D |
| 14    |             |     |             |                 |              |                                                                                                      |     |
| 15    |             |     |             |                 |              |                                                                                                      |     |
| 16    |             |     |             |                 |              |                                                                                                      |     |
| 17    |             |     |             |                 | 100%         | similar soil                                                                                         | N/D |
|       |             |     | 29-32.5     |                 |              | brown/grey mf SAND, little coarse SAND, trace mf GRAVEL, firm, wet, no odor                          |     |
|       |             |     |             |                 |              | soil sample @ 30'-32' MW-27B                                                                         | N/D |
|       |             |     | 34-36.7     |                 |              | brown/grey mf SAND and cmf GRAVEL, some SILT, saturated, loose, no odor                              |     |

|                                                                                                  |                            |
|--------------------------------------------------------------------------------------------------|----------------------------|
| <b>LEGEND</b><br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | Boring terminated at 33.65 |
|--------------------------------------------------------------------------------------------------|----------------------------|

GENERAL NOTES:

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

BORING #



175 Sullys Trail, Suite 202  
Corporate Crossings Office Park

|                 |                     |
|-----------------|---------------------|
| PROJECT         | BORING MW-28        |
| Orchard-Whitney | SHEET 1 OF 1        |
|                 | JOB #: 4216-06      |
|                 | CHKD. BY: G. Andrus |

|                                  |                               |                   |
|----------------------------------|-------------------------------|-------------------|
| DRILLER: Nothnagle- NS           | GROUND SURFACE ELEVATION: N/A | DATUM: N/A        |
| JCL GEOLOGIST: C. Bok, L. Gregor | START DATE: 7/21/15           | END DATE: 7/22/15 |

|                                                                                                     |                  |      |       |        |         |
|-----------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG:<br>CASING SIZE AND TYPE:<br>OVERBURDEN SAMPLING METHOD:<br>ROCK DRILLING METHOD: | WATER LEVEL DATA |      |       |        |         |
|                                                                                                     | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                     |                  |      |       |        |         |
|                                                                                                     |                  |      |       |        |         |
|                                                                                                     |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                           | PID |
|-------|-------------|-----|-------------|-----------------|--------------|----------------------------------------------|-----|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                              |     |
| 1     |             |     |             |                 | 30%          | concrete @ 0.5                               | N/D |
| 2     |             |     |             |                 |              |                                              |     |
| 3     |             |     |             |                 |              |                                              |     |
| 4     |             |     |             |                 |              | No sampling (similar soil)                   |     |
| 5     |             |     |             |                 |              |                                              |     |
| 6     |             |     |             |                 |              |                                              |     |
| 7     |             |     |             |                 |              |                                              |     |
| 8     |             |     |             |                 |              |                                              |     |
| 9     |             |     |             |                 |              |                                              |     |
| 10    |             |     |             |                 | 60%          | 10-12.5 brown, saturated, silt, trace clay,  | N/D |
| 11    |             |     |             |                 |              | Soil sample @ 11' MW-28                      | N/D |
| 12    |             |     |             |                 |              |                                              |     |
| 13    |             |     |             |                 |              | Bedrock encountered @ 13.0'                  |     |
| 14    |             |     |             |                 |              |                                              |     |
| 15    |             |     |             |                 |              |                                              |     |
| 16    |             |     |             |                 |              |                                              |     |
| 17    |             |     |             |                 |              | Used rotary (tri-cone) bit with water to 18' |     |
| 18    |             |     |             |                 |              |                                              |     |
| 19    |             |     |             |                 |              |                                              |     |
| 20    |             |     |             |                 |              |                                              |     |

|                                                                                                  |                                                   |
|--------------------------------------------------------------------------------------------------|---------------------------------------------------|
| <b>LEGEND</b><br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | Bedrock encountered @ 12.7'<br>Total depth of 18' |
|--------------------------------------------------------------------------------------------------|---------------------------------------------------|

GENERAL NOTES:  
 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

BORING #

|                 |                     |
|-----------------|---------------------|
| PROJECT         | BORING MW-29        |
| Orchard-Whitney | SHEET 1 OF 1        |
|                 | JOB #: 4216-06      |
|                 | CHKD. BY: G. Andrus |

|                                  |                               |                   |
|----------------------------------|-------------------------------|-------------------|
| DRILLER: Nothnagle- NS           | GROUND SURFACE ELEVATION: N/A | DATUM: N/A        |
| JCL GEOLOGIST: C. Bok, L. Gregor | START DATE: 7/22/15           | END DATE: 7/22/15 |

|                                                                                                     |                  |      |       |        |         |
|-----------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG:<br>CASING SIZE AND TYPE:<br>OVERBURDEN SAMPLING METHOD:<br>ROCK DRILLING METHOD: | WATER LEVEL DATA |      |       |        |         |
|                                                                                                     | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                     |                  |      |       |        |         |
|                                                                                                     |                  |      |       |        |         |
|                                                                                                     |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                     | PID |
|-------|-------------|-----|-------------|-----------------|--------------|--------------------------------------------------------|-----|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                        |     |
| 1     |             |     |             |                 | 30%          | concrete @ 0.5                                         | N/D |
| 2     |             |     |             |                 |              |                                                        |     |
| 3     |             |     |             |                 |              |                                                        |     |
| 4     |             |     |             |                 |              |                                                        |     |
| 5     |             |     |             |                 |              |                                                        |     |
| 6     |             |     |             |                 |              |                                                        |     |
| 7     |             |     |             |                 |              |                                                        |     |
| 8     |             |     |             |                 |              |                                                        |     |
| 9     |             |     |             |                 |              |                                                        |     |
| 10    |             |     |             |                 | 50%          | light brown sand and silt, no gravel, hard clay, grey, | N/D |
| 11    |             |     |             |                 |              | Soil sample @ 11' MW-29                                | N/D |
| 12    |             |     |             |                 |              | Refusal @12' (11.75'). Bedrock encountered             | N/D |
| 13    |             |     |             |                 |              |                                                        |     |
| 14    |             |     |             |                 |              | Used rotary (tri-cone) bit with water to 16.75'        |     |
| 15    |             |     |             |                 |              |                                                        |     |
| 16    |             |     |             |                 |              |                                                        |     |
| 17    |             |     |             |                 |              |                                                        |     |
| 18    |             |     |             |                 |              |                                                        |     |
| 19    |             |     |             |                 |              |                                                        |     |
| 20    |             |     |             |                 |              |                                                        |     |

|                                                                                                  |                    |
|--------------------------------------------------------------------------------------------------|--------------------|
| <b>LEGEND</b><br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | Total depth 16.75' |
|--------------------------------------------------------------------------------------------------|--------------------|

GENERAL NOTES:  
 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.



## **APPENDIX F – GROUNDWATER SAMPLING FIELD RECORD**

Groundwater sampling will be conducted as outlined in the Quality Assurance Project Plan (QAPP) included as Appendix G. The QAPP is consistent with the protocols developed during the investigation phase of the project, and includes methodology for the following:

- Well gauging;
- Well purging;
- Sampling methodology;
- Analytical methodology;
- Lab certification;
- Analytical methods; and
- Analytes.

Groundwater sampling activities will be recorded on the attached Groundwater Sampling Field Record and submitted as an attachment to the annual Periodic Review Report.

# GROUNDWATER SAMPLING FIELD RECORD

 Project Name \_\_\_\_\_  
 Location ID \_\_\_\_\_  
 Activity Time \_\_\_\_\_

 Field Sample ID \_\_\_\_\_  
 Sample Time \_\_\_\_\_

 Job # \_\_\_\_\_  
 Sampling Event # \_ \_  
 Date \_\_\_\_\_

### SAMPLING NOTES

 Initial Depth to Water \_\_\_\_\_ feet      Measurement Point TOR \_\_\_\_\_  
 Final Depth to Water \_\_\_\_\_ feet      Well Depth \_\_\_\_\_ feet      Well Diameter \_\_\_\_\_  
 Screen Length \_\_\_\_\_ feet      Pump Intake Depth \_\_\_\_\_      Well Integrity:  
 Total Volume Purged \_\_\_\_\_ gallons      PID Well Head \_\_\_\_\_      Cap \_\_\_\_\_  
 [purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]      Casing \_\_\_\_\_  
 Volume of Water in casing – 2” diameter = 0.163 gallons per foot of depth, 4” diameter = 0.653 gallons per foot of depth      Locked \_\_\_\_\_  
 Collar \_\_\_\_\_

### PURGE DATA

| Time | Depth to Water (ft) | Purge Rate (ml/min) | Temp. (deg. C) | pH (units) | Dissolved O2 (mg/L) | Turbidity (NTU) | Cond. (mS/cm) | ORP (mV) | Comments |
|------|---------------------|---------------------|----------------|------------|---------------------|-----------------|---------------|----------|----------|
|      |                     |                     |                |            |                     |                 |               |          |          |
|      |                     |                     |                |            |                     |                 |               |          |          |
|      |                     |                     |                |            |                     |                 |               |          |          |
|      |                     |                     |                |            |                     |                 |               |          |          |
|      |                     |                     |                |            |                     |                 |               |          |          |
|      |                     |                     |                |            |                     |                 |               |          |          |
|      |                     |                     |                |            |                     |                 |               |          |          |
|      |                     |                     |                |            |                     |                 |               |          |          |
|      |                     |                     |                |            |                     |                 |               |          |          |
|      |                     |                     |                |            |                     |                 |               |          |          |
|      |                     |                     |                |            |                     |                 |               |          |          |
|      |                     |                     |                |            |                     |                 |               |          |          |
|      |                     |                     |                |            |                     |                 |               |          |          |
|      |                     |                     |                |            |                     |                 |               |          |          |
|      |                     |                     |                |            |                     |                 |               |          |          |
|      |                     |                     |                |            |                     |                 |               |          |          |
|      |                     |                     |                |            |                     |                 |               |          |          |
|      |                     |                     |                |            |                     |                 |               |          |          |

 Purge Observations: \_\_\_\_\_  
 Purge Water Containerized: \_\_\_\_\_

### EQUIPMENT DOCUMENTATION

 Type of Pump: \_\_\_\_\_  
 Type of Tubing: 1/4" HDPE  
 Type of Water Quality Meter: Horiba U-22; LaMotte 2020      Calibrated: \_\_\_\_\_

### ANALYTICAL PARAMETERS

|                  |                |                         |
|------------------|----------------|-------------------------|
| <u>Parameter</u> | <u>Volumes</u> | <u>Sample Collected</u> |
| VOCs             | 3 x 40 ml      | _____                   |
| _____            | _____          | _____                   |
| _____            | _____          | _____                   |
| _____            | _____          | _____                   |
| _____            | _____          | _____                   |

### LOCATION NOTES

 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

 Signature: \_\_\_\_\_  
 Checked By: \_\_\_\_\_



## APPENDIX G – QUALITY ASSURANCE PROJECT PLAN

All sampling and analyses will be performed in accordance with the requirements of the attached Quality Assurance Project Plan (QAPP) prepared for the Site. The main components of the QAPP include:

- QA/QC Objectives for Data Measurement;
- Sampling Program:
  - Sample containers will be properly washed, decontaminated, and appropriate preservative will be added (if applicable) prior to their use by the analytical laboratory. Containers with preservative will be tagged as such.
  - Sample holding times will be in accordance with the NYSDEC ASP requirements.
  - Field QC samples (e.g., trip blanks, coded field duplicates, and matrix spike/matrix spike duplicates) will be collected as necessary.
- Sample Tracking and Custody;
- Calibration Procedures:
  - All field analytical equipment will be calibrated immediately prior to each day's use. Calibration procedures will conform to manufacturer's standard instructions.
  - The laboratory will follow all calibration procedures and schedules as specified in USEPA SW-846 and subsequent updates that apply to the instruments used for the analytical methods.
- Analytical Procedures;
  - Preparation of a Data Usability Summary Report (DUSR), which will present the results of data validation, including a summary assessment of laboratory data packages, sample preservation and chain of custody procedures, and a summary assessment of precision, accuracy, representativeness, comparability, and completeness for each analytical method.
- Internal QC and Checks;
- QA Performance and System Audits;
- Preventative Maintenance Procedures and Schedules;
- Corrective Action Measures.
- Assessing achievement of the remedial performance criteria.
- Preparing the necessary reports for the various monitoring activities.
- Reporting requirements;
- Quality Assurance/Quality Control (QA/QC) requirements;

# **QUALITY ASSURANCE PROJECT PLAN**

## **Supplemental Site Investigation 415 Orchard Street**

City of Rochester  
Environmental Restoration Project  
415 Orchard Street and 354 Whitney Street  
Monroe County, New York

Prepared For:



City of Rochester  
Department of Environmental Services  
Division of Environmental Quality  
30 Church Street  
Rochester, New York 14614

Prepared By:



Lu Engineers  
175 Sully's Trail  
Suite 202  
Pittsford, New York 14534

**May 2015**

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## 1.0 Introduction

This Quality Assurance Project Plan (QAPP) was prepared as an integral part of the Supplemental Site Investigation Work Plan for the Orchard/Whitney Site and is subject to the review and approval by the New York State Department of Environmental Conservation (NYSDEC). The project work will be performed by Lu Engineers, or conducted under their discretion by NYSDEC-approved contractors. Project-specific descriptions can be found in the Supplemental Site Investigation Work Plan.

This QAPP presents the policies, organization, objectives, functional activities, and specific quality assurance (QA) and quality control (QC) activities that will be implemented by Lu Engineers for this project. This QAPP is designed to ensure that all technical data generated by Lu Engineers is accurate, representative, and will ultimately withstand judicial scrutiny.

All QA/QC procedures are implemented in accordance with applicable professional technical standards, NYSDEC and EPA requirements, government regulations and guidelines, and specific project goals and requirements. This QAPP is prepared in accordance with all NYSDEC and EPA QAPP guidance documents.

This QAPP incorporates the following activities:

- Sample Management and chain of custody;
- Document control;
- Laboratory quality control; and
- Review of project deliverables.

Analytical samples will be collected in the field utilizing standard operating procedures (SOPs) and sent to the contracted NYSDOH ELAP CLP-certified laboratory for analysis. Field data compilation, tabulation, and analysis will be checked for accuracy. Calculations and other post-field tasks will be reviewed by field personnel and the project manager.

Equipment used to take field measurements will be maintained and calibrated in accordance with established procedures. Records of calibration and maintenance will be kept by assigned personnel. Field testing and data acquisition will be performed in standard fashion following strict guidelines.

Document control procedures will be used to coordinate the distribution, coding, storage, retrieval, and review of all data collected during all sampling tasks. These include, but are not limited to, the sampling of soil/sediment, groundwater, and wastes.

In addition, the laboratory has developed SOPs for individual analytical methods and internal QC procedures. These documents are an important aspect of their QA program and are available for review upon request.



## **2.0 Project Objectives**

The intent of this project is to further delineate the nature and extent of contamination at the Orchard/Whitney Site, specifically the area beneath the former 415 Orchard Street building. Sampling of soil and groundwater will be used to identify potential exposure pathways and evaluate the Site for future use. The identification of significant Site characteristics, extent of contamination, and exposure pathways (if completed exposure pathways are indicated) will provide the basis for developing remedial alternatives. The scope of work is described in the Supplemental Site Investigation Work Plan Section 3.0.

A complete project description, including Site history and background information, is given in Section 2.0 of the Supplemental Site Investigation Work Plan.

## **3.0 Project Organization and Responsibility**

In accordance with Lu Engineers' quality assurance (QA) program, experienced senior technical staff will be assigned to the project QA/QC functions. The management structure provides for direct and constant operational responsibility, clear lines of authority, and the integration of QA activities. The various QA functions are explained below.

QA contacts include Lu Engineers project manager and Quality Assurance Officer. Qualifications of key personnel are included in Appendix D of the Supplemental Site Investigation Work Plan.

Upstate Laboratories, a NYSDOH ELAP-CLP certified laboratory, will provide analytical services for the project. A list of their certifications and accreditations is attached in Appendix D.

### **Project Director**

The project director for this project will be Robert Hutteman, P.E. As project director, Mr. Hutteman will have overall responsibility for ensuring that the project meets client objectives and Lu Engineers' quality standards. In addition, the project director will be responsible for technical quality control and project oversight and will provide the project manager with access to upper management.

### **Project Manager**

The project manager for this project will be Greg Andrus, CHMM. As project manager, he will be responsible for implementing the project and will have the authority to commit the resources necessary to meet project objectives and requirements. The project manager's primary function is to ensure that technical, financial, and scheduling objectives are achieved. The project manager will provide the major point of contact and control for matters concerning the project. The project manager will:

- Work directly with the NYSDEC Regional Office to complete and implement a work plan for the project;

- Define project objectives and schedule;
- Establish project policy and procedures to address the specific needs of the project as a whole, as well as the objectives of each task;
- Acquire and apply technical managerial resources as needed to ensure performance within budget and schedule constraints;
- Orient all staff concerning the project's special considerations;
- Develop and meet ongoing project and/or task staffing requirements, including mechanisms to review and evaluate each task product;
- Review the work performed on each task to ensure its quality, responsiveness, and timeliness;
- Review and analyze overall task performance with respect to planned requirements and authorizations;
- Approve all external reports (deliverables) before their submission to the client;
- Ultimately be responsible for the preparation and quality of interim and final reports; and
- Represent the project team at meetings.

#### **Quality Assurance Officer (QAO)**

The QA officer is Susan Hilton, P.E. She will be responsible for maintaining QA for a specific program and the projects within that program. Specific functions and duties include:

- Providing an external and, thereby, independent QA function to the project;
- Responsibility for field and sampling audits conducted by qualified QA personnel;
- Coordinating with client personnel, Lu Engineers' project manager, laboratory management, and staff to ensure that QA objectives appropriate to the project are set and that personnel are aware of these objectives;
- Coordinating with project management and personnel to ensure that QC procedures appropriate to demonstrating data validity sufficient to meet QA objectives are developed and in place;
- Interfacing with the data validator (if necessary) and development of a project specific data usability report;
- Coordinating with QA personnel to ensure that QC procedures are followed and documented;
- Requiring and/or reviewing corrective actions taken in the event of QC failures;
- Reporting non-conformance with QC criteria or QA objectives, including an assessment of the impact on data quality or project objectives, to the project manager.

#### **Technical Staff**

The technical staff (team members) for this project will be drawn from Lu Engineers pool of resources. The technical team staff will be utilized to gather and analyze data and to prepare

various task reports and support materials. All of the designated technical team members are experienced professionals who possess the degree of specialization, training and technical competence required to effectively and efficiently perform the required work.

**Data Validation and QA Staff**

If necessary, data validation and QA staff will include data validation chemists, QA auditors, and other technical specialists who remain independent of the laboratory and project management. The staff will independently validate analytical data to assess and summarize their accuracy, precision, and reliability and determine their usability. The staff will also perform audits and document the historical record of project activities, including any factors affecting data usability, such as data discrepancies and deviations from standard practices. The staff will act under the direction of the QA officer and project manager in accordance with specific project requirements. A third party data validation staff is to be determined.

## 4.0 Sampling Procedures

### 4.1 Sampling Design

The sampling for this project is designed to fully delineate the nature and extent of contamination remaining beneath the footprint of the former 415 Orchard Street building. Soil borings, test pit excavations, groundwater monitoring well installation, and soil and groundwater sampling will be used to evaluate Site conditions.

An estimated total of nine (9) test pit excavations are anticipated for the area beneath the former 415 Orchard Street building footprint in efforts to further evaluate of subsurface conditions. It is estimated that at minimum, one (1) sample be taken from each test pit location.

Five (5) proposed soil borings are planned for installation beneath the former 415 Orchard Street building footprint to establish local background concentrations for metals and PAHs. It is projected that four (4) of these boring locations will be converted to 2-inch diameter groundwater monitoring wells.

It is anticipated that at minimum, one (1) soil sample will be collected from each of the five (5) soil borings and at minimum one (1) groundwater sample will be collected from each of the four (4) newly installed monitoring wells.

Soil and groundwater samples will be analyzed for RCRA metals, EPA 8260 volatile organic compounds (VOCs), and PCBs using Contract Laboratory Protocol (CLP).

Continuous perimeter and work zone air monitoring for VOCs will also be conducted during all soil removal and staging activities using a PID to ensure health and safety of workers and the public.

A Site map showing proposed sample locations is provided as Figure 3.

### 4.2 QC Samples

Various types of field QC samples are used to check the cleanliness and effectiveness of field handling methods. They are analyzed in the laboratory as samples, and their purpose is to assess the sampling and transport procedures as possible sources of sample contamination and document overall sampling and analytical precision. Rigorous documentation of all field QC samples in the site logbooks is mandatory.

- **Trip Blanks** are similar to field blanks with the exception that they are not exposed to field conditions. Their analytical results give the overall level of contamination from everything except ambient field conditions. Trip blanks are prepared at the lab prior to the sampling event and shipped with the sample bottles. Trip blanks are prepared by adding organic-free water to a 40-ml VOA vial. One (1) trip blank will be used with every

batch of water samples shipped for volatile organic analysis. Each trip blank will be transported to the sampling location, handled like a sample, and returned to the laboratory for analysis without being opened in the field.

- **Field Equipment/Rinsate Blanks** are blank samples designed to demonstrate that sampling equipment has been properly prepared and cleaned before field use and that cleaning procedures between samples are sufficient to minimize cross-contamination. Rinsate blanks are prepared by passing analyte-free water over sampling equipment and analyzing the samples for all applicable parameters. If a sampling team is familiar with a particular site, its members may be able to predict which areas or samples are likely to have the highest concentration of contaminants. Unless other constraints apply, these samples should be taken last to avoid excessive contamination of sampling equipment. Rinsate blanks are not required if dedicated sampling equipment is used for sample collection.
- **Field Duplicates** consist of a set of two (2) samples collected independently at a sampling location during a single sampling event. Field duplicates can be sent to the laboratory so that they are indistinguishable from other analytical samples and personnel performing the analysis are not able to determine which of the samples are field duplicates. Field duplicates are designed to assess the consistency of the overall sampling and analytical system.

Field QC samples and the frequency of analysis for this project are summarized in Table 1 *Summary of Sampling and Laboratory Analysis* at the end of this QAPP and in Section 3.6 of the SSI Work Plan. It is noted that sample quantities are estimated. Additional samples may be required according to actual field, subsurface soil, and groundwater conditions as encountered during Supplemental Site Investigation work activities.

#### **4.3 Decontamination Procedures**

All decontamination will be performed in accordance with NYSDEC-approved procedures. Sampling methods and equipment have been chosen to minimize decontamination requirements and prevent the possibility of cross-contamination. All drilling equipment will be decontaminated prior to drilling, after drilling each boring/monitoring well, and after the completion of all drilling. Special attention will be given to the drilling assembly, augers, split-spoons, and PVC casing. Split-spoons will be decontaminated prior to and following each use.

Split-spoons and other non-disposable sampling equipment, and stainless steel spoons will be decontaminated using the following procedure:

- Initially cleaning equipment of all foreign matter;
- Scrubbing equipment with brushes in Alconox® solution;
- Rinsing equipment with distilled water; and
- Rinsing equipment with 10% nitric acid (when sampling for metals only);

- Triple-rinsing equipment with distilled water; and
- Allowing equipment to air dry.

All drill cuttings and water generated during drilling boring and monitoring well installation will remain on-Site. All waters generated by decontamination or by developing, purging, or pumping the monitoring wells will be stored in drums or an on-Site holding tank.

A temporary decontamination pool will be established in a secure area on Site using 6-mil polyethylene sheeting. The drill rig and associated tooling will be decontaminated using steam-cleaning methods at the designated location. Fluids generated during decontamination will be collected in the plastic-lined pool. All decontamination wastes will be transferred into drums or an on-Site holding tank for appropriate staging and disposal. The City will be responsible for proper staging and disposal of all investigation-derived wastes. Final disposal of soils and water will be dependent on the results of the soil and groundwater analyses to be conducted during this investigation.

#### **4.4 Sampling Methods**

This section describes the sampling procedures to be utilized for each environmental medium that will be collected and analyzed in accordance with the SSI Work Plan and Tables 1 and 5.1 of this plan. All sampling procedures described are consistent with United States Environmental Protection Agency (USEPA) sampling procedures as described in SW-846, third edition and the NYSDEC Analytical Services Protocols (ASP), or equivalent.

##### **4.4.4 Test Pit Investigations**

Test pits will be excavated to bedrock, but not into groundwater, using a backhoe. All materials removed from the pit will be returned and the pit will be completely filled before the backhoe leaves the Site. A PID will be used to continuously monitor gases exiting the test pits during excavation and sampling operations.

Prior to initiating excavation activities and between test pits, the backhoe will be cleaned and decontaminated according to procedures outlined in Section 4.3.

Soil samples will be obtained according to the Site work plan using a stainless steel spoon or trowel. Samples can be collected from the walls of the test pit or from the backhoe bucket if appropriate. Soil samples will be placed in 8-ounce wide-mouth glass jars.

The sample exhibiting the highest levels of contamination from each test pit based on field screening will be submitted for laboratory analysis. One discreet sample from each test pit will be submitted.

A log of the test pit will be maintained similar to a borehole log, indicating such information as distinctive soil horizons, soil texture, color, groundwater, PID and OVA readings, and location of soil samples.

#### **4.4.5 Subsurface Soil Samples**

All soil samples will be screened for the presence of volatile organic compounds (VOCs) with a photoionization detector (PID). Screening will be performed by placing a representative soil sample into a Ziploc® (or equivalent) plastic bag, sealing the bag, and then allowing the sample to volatilize for at least 15 minutes. The concentration of VOCs will then be measured by inserting the tip of the PID or equivalent device into the sample's headspace and taking a reading. VOC measurements will be entered on the boring log. All soil borings will be constructed into monitoring wells.

The field geologist will also evaluate soil samples for the presence of staining or other unusual observations. Samples noted to have these characteristics may require analysis even though no PID readings may have been observed.

#### **4.4.6 Groundwater Investigation**

The groundwater sampling plan outlined in this subsection has been prepared in general accordance with RCRA Groundwater Monitoring Technical Enforcement Guidance Document 9950.1 (September 1986), Office of Solid Waste and Emergency Response as modified by NYSDEC-specific request.

##### **Well Installation**

Prior to initiating drilling activities, the drilling rig, augers, rods, split spoons, pertinent equipment, well pipe and screens will be steam cleaned. These activities will be performed in a designated decontamination area. Throughout and after the cleaning processes, direct contact between the equipment and the ground surface will be avoided. Plastic sheeting and/or clean support structures (e.g., pallets, sawhorses) will be used. The drilling rig and all equipment will be steam cleaned upon completion of the investigation and prior to leaving the Site.

Samples will be collected continuously in 2-foot intervals as the augers are advanced. The sampler will be decontaminated between sampling locations. Decontamination will be accomplished by disassembling the split spoons, removing gross debris, washing the parts in an Alconox solution, and rinsing with distilled water. Each soil sample will be described at the time it is retrieved, and a subsurface log will be produced by an on-site geologist based upon visual examination and other field observations. Sample descriptions will be based on either the Unified or Burmister Soil Classification System.

Upon reaching competent bedrock, the borehole will be advanced using rotary drilling techniques and coring. All borings will be advanced ten feet (10 ft.) into bedrock where the groundwater monitoring wells will be installed.

Drilling fluids, other than water from a NYSDEC-approved source, will not be allowed without special consideration and agreement from NYSDEC. The use of lubricants is also not allowed unless approved by the NYSDEC representative. During the drilling, a portable VOC monitor, and an O<sub>2</sub>/explosimeter will be used to monitor the gases exiting the hole.

### **Well Casing (Riser)**

The well riser shall consist of 2- or 3-inch diameter, threaded flush-joint polyvinyl chloride (PVC) pipe. All well risers will conform to the requirements of ASTM-D 1785 Schedule 40 pipe, and shall bear markings that will identify the material as that which is specified. All materials used to construct the wells will be NSF/ASTM approved.

### **Well Screen**

Generally, wells will be constructed with 10-foot machine-slotted screens, unless otherwise specified in the work plan or dictated by field conditions (i.e., screens of less than 10-ft in length may be used, depending on the characteristics of the well). Screen and riser sections shall be joined by flush-threaded coupling to form watertight unions that retain 100% of the strength of the casing. Solvent PVC glues shall not be used at any time in the construction of the wells. The bottom of the screen shall be sealed with a treated cap or plug. No lead shot or lead wool is to be employed in sealing the bottom of the well or for sealant at any point in the well.

All risers and screens shall be set round, plumb, and true to line.

### **Artificial Sand Pack**

Granular backfill will be chemically and texturally clean inert, siliceous, and of appropriate grain size for the screen slot size and the host environment. The well screen and riser casing will be installed, and the sand pack placed around the screen and casing to a depth approximately two (2) feet above the top of the well screen.

### **Bentonite Seal**

A minimum 2-ft thick seal of bentonite pellets/chips and water slurry will be placed directly on top of the sand pack, and care will be taken to avoid bridging. The seal will be measured immediately after placement, without allowance for swelling.

### **Grout Mixture**

Upon completion of the bentonite seal, the well will be grouted with a non-shrinking cement grout mix to be placed from the top of the bentonite seal to the ground surface. The cement grout shall consist of a mixture of Portland cement (ASTM C 150) and water, in the proportion of not more than 7 gallons of clean water per bag of cement (1 cubic foot or 94 pounds). Additionally, 3% by weight of bentonite powder shall be added, if permitted.



### **Surface Protection**

At all times during the progress of the work, precautions shall be used to prevent tampering with or the entrance of foreign material into the well. Upon completion of the well, a suitable vented cap shall be installed to prevent material from entering the well. The PVC well riser shall be flush mount or surrounded by a steel casing rising 24 to 36 inches above ground level and set into a concrete pad. The steel casing shall be provided with a cap and lock. A concrete pad, sloped away from the well, shall be constructed around the well casing at ground level. The steel protective casing shall be painted with permanent high-visibility paint. The ground immediately around the top of the well shall be sloped away from the well. There shall be an opening in the protective casing wall at the top of the cement pad to allow for internal drainage.

Any well that is to be temporarily removed from service or left incomplete due to delay in construction, shall be capped with a watertight cap and equipped with a “vandal-proof” cover, satisfying applicable NYSDEC regulations or recommendations.

### **Surveying**

Coordinates and elevations will be established by a New York State licensed land surveyor for each boring, monitoring well, sampling location, and other key contour points. A map of each will be prepared for inclusion into the final report for the Site.

Elevations (0.01') will be established for the ground surface at each boring, monitoring well, sampling location, the top of each monitoring well casing (T.C), and at least one other permanent object (i.e., property corner markers, corners of buildings, bridges, etc.) in the vicinity of the borings and wells. Elevations will be relative to a regional, local, or project specific datum. USGS benchmarks will be used if within ½ mile of the Site being surveyed and will take precedence over the use of a project specific datum.

Unsurveyed data, (i.e., approximate Site and property boundaries), developed through the use of current tax maps and initial Site visits, also will be shown on the survey map. The location and extent of filled areas, buried tanks and drums, other items pertinent to Site usage will be indicated on the survey maps based on the best available data.

### **Well Development**

After completion of the well, but not sooner than 48 hours after grouting is completed, development will be accomplished using air surging, surge blocking, pumping, or bailing. The air-lift surge method may be supplemented with a bottom-filling bailer if a well has an extremely low yield. No dispersing agents, acids, disinfectants, or other additives will be used during development nor be introduced into the well at any other time. During development, water will be removed throughout the entire water column by periodically lowering and raising the pump intake (or bailer stopping point).

Well development will include washing the entire well cap and the interior of the well casing above the water table, using only water from the well itself. As a result of the operation, the well casing will be free of extraneous materials (grout, bentonite, and sand) inside the riser, well cap, and blank casing between top of the well casing and water table. This washing will be conducted before and/or during development; not after development. Development water will be properly contained and treated as waste until the results of chemical analysis of samples are obtained.

The development process will continue until a stabilization of pH, specific conductance, temperature, and clarity (goal of <50 NTUs) of the discharge is achieved or for a maximum of two hours. If, after two hours, substantial improvement has been noted through the development process but the goal of 50 NTUs has not been met, an additional one to two hours may be authorized to achieve the 50 NTU goal.

### **Geologic Logging and Sampling**

At each well location, the boring will be advanced through overburden using a drill rig and hollow-stem auger, and soils will be visually inspected for stains and monitored with a PID and OVA. Soil samples will be collected continuously over the entire depth of the well. The sampling device will be decontaminated according to procedures outlined in Section 4.3.

The split-spoon sampler will be driven into the soil using a 140-pound safety hammer and allowed to free-fall 30 inches, in accordance with ASTM-D 1586-84 specifications. The number of blows required to drive the sampler each 6 inches of penetration will be recorded. Soil samples will be screened in the field for volatile organic vapors using a PID, and will be classified in accordance with Unified Soil Classification System (ISCS) specifications, and logged. Samples will be stored in glass jars until they are needed for testing or the project is complete.

Information regarding analytical requirements for soil borings can be found in the Supplemental Site Investigation Work Plan.

Monitoring well borings will be installed to a depth determined through the examination of boring logs and water levels encountered as well as on-Site discussions and agreement between the NYSDEC representative and Lu Engineers' field team leader. All significant discrepancies between the prepared work plan and actual Site conditions will be noted and countersigned by both parties in the project's on-Site logbook.

If hydrogeologic conditions are favorable for well installation at a depth less than design, the well will be installed at the boring or coring termination depth. In the event that maximum design depth is reached and hydrogeologic conditions are not suitable for well installation, the maximum drilling depth will be revised. Hydrogeologic suitability for well emplacement will be determined by the supervising geologist in consultation with NYSDEC, based on thickness and estimated hydraulic conductivity to the saturated zone encountered. If necessary, the borehole will be advanced to water or abandoned.

Drilling logs will be prepared by an experienced geologist who will be present during all drilling operations. One copy of each field boring log, well construction log and groundwater data will be submitted as part of the report. Information provided in the logs shall include, but not be limited to, the following:

- Date, test hole identification, and project identification;
- Name of individual developing the log;
- Name of driller and assistant(s);
- Drill, make and model, auger size;
- Identification of alternative drilling methods used and justification thereof (e.g., rotary drilling with a specific bit type to remove material from within the hollow stem augers);
- Standard penetration test (ASTM D-1586) blow counts;
- Field diagram of each monitoring well installed with the depth to bottom of screen, top of screen, and pack, bentonite seal, etc.;
- Reference elevation for all depth measurements;
- Depth of each change of stratum;
- Thickness of each stratum;
- Identification of the material of which each stratum is composed, according to the USCS system or standard rock nomenclature, as appropriate;
- Depth interval from which each sample was taken;
- Depth at which hole diameters (bit sizes) change;
- Depth at which groundwater is encountered;
- Depth to static water level;
- Total depth of completed well;
- Depth or location of any loss of tools or equipment;
- Location of any fractures, joints, faults, cavities, or weathered zones;
- Depth of any grouting or sealing;
- Nominal hole diameters;
- Amount of cement used for grouting or sealing;
- Depth and type of well casing;
- Description of well screen (to include depth, length, location, diameter, slot sizes, material, and manufacturer);
- Any sealing-off of water-bearing strata;
- Static water level upon completion of the well and after development;
- Drilling date or dates;
- Construction details of well; and

- An explanation of any variations from the work plan.

### **Groundwater Sampling Procedures**

Static water levels will be measured to within 0.01 foot prior to purging and sampling. Purging and sampling of each well will be accomplished using pre-cleaned dedicated PVC bailers on new polypropylene line. All wells will be purged a minimum of three (3) volumes of water standing in the casing or to dryness. Temperature, pH, conductivity, and turbidity will be measured and recorded during purging.

After purging, the turbidity of each well will be measured. If the well water exhibits turbidity above the 50 NTU limit, sampling of the well water for metals only will be delayed for 24 hours. Sample volumes for all other parameters will be collected immediately following purging, with the volatile sample collected first. Upon returning to the well, the turbidity will be remeasured and recorded. No additional purging will be performed.

Groundwater samples will be collected according to the following procedures.

- Water clarity will be quantified during sampling with a turbidity meter;
- When transferring water from the bailer or pump line to sample containers, care will be taken to avoid agitating the sample, since agitation promotes the loss of volatile constituents;
- Any observable physical characteristics of the groundwater (e.g., color, sheen, odor, turbidity) at the time of sampling will be recorded; and
- Weather conditions (i.e., air temperature, sky condition, recent heavy rainfall, drought conditions) at the time of sampling will be recorded.

All groundwater samples and their accompanying QA/QC samples will be analyzed as specified in the Work Plan. One complete round of groundwater sampling will be performed as part of the Supplemental Site investigation.

## **4.5 Sample Documentation**

### **4.5.1 Logbooks**

All field activities will be documented in a field logbook. This logbook will provide a record of activities conducted at the Site. All entries will be signed and dated at the end of each day of fieldwork. The field logbook will include the following: date and time of all entries; names of all personnel on Site; weather conditions (temperature, precipitation, etc.); location of activity; and description of activity.

In addition, Lu Engineers will complete the following standard field forms as necessary:

- Test boring/probing log
- Groundwater elevations, development, sampling and conductivity logs
- Field sampling record

- Chain of custody for all analytical laboratory sampling.

As with any data logbooks, no pages will be removed for any reason. If corrections are necessary, these must be made by drawing a single line through the original entry (so that the original entry can still be read) and writing the corrected entry alongside it. The correction must be initialed and dated. Most corrected errors will require a footnote explaining the correction.

#### **4.5.2 Sample Identification**

All containers of samples collected by Lu Engineers from the project will be identified using a format identified in the field on a label affixed to the sample container (labels are to be covered with Mylar tape). Generally, the format will include two letters identifying the Site (OW – Orchard Whitney), two letters identifying the type of sample (GW – Groundwater), two numbers identifying a sample location, 2-4 additional numbers identifying a sample depth if appropriate, additional letters identifying special parameters (MS/MSD – Matrix Spike/Matrix Spike Duplicate).

Each sample will be labeled and sealed immediately after collection. To minimize handling of sample containers, labels will be filled out prior to sample collection. The sample label will be filled out using waterproof ink and will be firmly affixed to the sample containers and protected with Mylar tape. The sample label will give the sample number, the date of the collection, analysis required, and pH and preservation, if appropriate.

The laboratory sample number will appear on a barcode label affixed to each sample, extract, or digestate.

#### **4.6 Field Instrumentation**

All instruments and equipment used during sampling and analysis will be operated, calibrated, and maintained according to manufacturer's guidelines and recommendations. Operation, calibration, and maintenance will be performed by personnel properly trained in these procedures. Documentation of calibration information will be maintained in the appropriate log book or reference file and will be available upon request. Instruments will be calibrated before each use.

## **5.0 Sample Handling and Custody**

This section describes procedures for sample handling and chain-of-custody to be followed by Lu Engineers' sampling personnel and the analytical laboratory. The purpose of these procedures is to ensure that the integrity of the samples is maintained during their collection, transportation, storage, and analysis. All chain-of-custody requirements comply with SOPs indicated in EPA sample-handling protocol.

Sample identification documents will be carefully prepared so that sample identification and chain-of-custody can be maintained and sample disposition controlled. Sample identification documents include field notebooks, sample labels, custody seals, chain-of-custody records, and laboratory sample log-in and tracking forms.

The primary objective of the chain-of-custody procedures is to provide an accurate written record that can be used to trace the possession and handling of a sample from the moment of its collection through its analyses. A sample is in custody if it is:

- In someone's physical possession;
- In someone's view;
- Locked up; or
- Kept in a secured area that is restricted to authorized personnel.

### **5.1 Sample Containers and Preservation**

For sampling performed by Lu Engineers, prewashed sample containers obtained from a reliable supplier will be provided by the analytical laboratory. All containers provided by the laboratory are pre-cleaned (Level 1), with certificates of analysis available for each bottle type. Certifications of Analysis provided by the vendor are kept on file by the laboratory.

All samples will be stored on ice pending delivery to the laboratory. In addition, all water samples for volatile analysis will be preserved with HCl to a pH of less than 2.0. All water samples for metals analysis will be preserved by adding concentrated nitric acid until the sample pH is lowered to 2.0 standard units or less. Sample pH will be checked in the field using indicator paper. A list of preservatives and holding times for each type of analysis is included in the following Table.

**Table 5.1**  
**Sample Preservation and Holding Times**

| Sample Matrix | Analysis | Container Type and Size                            | Preservation                    | Holding Time                              |
|---------------|----------|----------------------------------------------------|---------------------------------|-------------------------------------------|
| Soil          | VOC      | 2-4 oz. wide mouth glass jar with Teflon-lined cap | Cool to 4°C; minimize headspace | 14 days                                   |
|               | Metals   | glass                                              | Cool to 4°C                     | 6 months                                  |
|               | PCBs     | 2-4 oz. glass jar with Teflon-lined cap            | Cool to 4°C                     | 14 days                                   |
| Groundwater   | VOC      | 3 - 40-ml.glass vial with Teflon-lined cap         | Cool to 4°C; minimize headspace | 7 days, unpreserved<br>14 days, preserved |
|               | Metals   | 40-ml. polyethylene or glass                       | HNO <sub>3</sub> to a pH <2     | 6 months                                  |
|               | PCBs     | 2 - ½ L Amber Jugs                                 | Cool to 4°C                     | 7 days                                    |

\* Holding times are based on verified time of sample receipt

Sample preservation will be verified at the lab just prior to extraction, digestion, and/or analysis and the pH will be recorded in the extraction/digestion logbook. The pH may be checked upon arrival, if desired. If the samples are improperly preserved, a QA/QC discrepancy form will be submitted to the lab manager and QA coordinator for appropriate follow-up action (i.e., evaluation of the data during the data validation process and, if necessary, additional instruction of personnel regarding proper procedures).

## 5.2 Field Custody Procedures

- Sample bottles must be obtained pre-cleaned from the laboratory or directly from an approved retail source. All containers will be prepared in a manner consistent with the NYSDEC ASP 1991 bottle-washing procedures. Coolers or boxes containing cleaned bottles should be sealed with a custody tape seal during transport to the field or while in storage prior to use.
- All containers will have assigned lot numbers to ensure traceability through the supplier.
- As few persons as possible should handle samples.
- The sample collector is personally responsible for the care and custody of samples collected until the samples are transferred to another person or dispatched properly under chain-of-custody rules.
- The sample collector will record sample data in the field notebook.
- The project manager will determine whether proper custody procedures were followed during the fieldwork and decide if additional samples are required.

### **5.2.1 Custody Seals**

Custody seals are preprinted adhesive-backed seals with security slots designed to break if the seals are disturbed. A custody seal is placed over the cap of individual sample bottles by the sampling technician. Sample shipping containers (coolers, cardboard boxed, etc., as appropriate) are sealed in as many places as necessary to ensure security. Seals must be signed and dated before use. Strapping tape should be placed around the lid to ensure that seals are not accidentally broken during shipment and in a manner that allows easy removal by laboratory personnel. On receipt at the laboratory, the custodian must check (and certify, by completing logbook entries) that seals on boxes and bottles are intact.

### **5.2.2 Chain-of-Custody Record**

The chain-of-custody record must be fully completed in duplicate, using black carbon paper where possible, by the field technician who has been designated by the project manager as responsible for sample shipment to the appropriate laboratory for analysis. In addition, if samples are known to require rapid turnaround in the laboratory because of project time constraints or analytical concerns (e.g., extraction time or sample retention period limitations, etc.), the person completing the chain-of-custody record should note these constraints in the "Remarks" section of the custody record.

## **5.3 Sample Handling, Packaging and Shipping**

The transportation and handling of samples must be accomplished in a manner that not only protects the integrity of the sample but also prevents any detrimental effects due to the possible hazardous nature of samples. Regulations for packaging, marking, labeling, and shipping hazardous materials are promulgated by the United States Department of Transportation (DOT) in the Code of Federal Regulations, 49 CFR 171 through 177.

### **5.3.1 Sample Packaging**

Samples must be packaged carefully to avoid breakage or contamination and must be shipped to the laboratory at proper temperatures. The following sample packaging requirements will be followed:

- Sample bottle lids must never be mixed. All sample lids must stay with the original containers.
- The sample bottle should never be completely filled except for VOA bottles. At a minimum, a 10% void space should be left in the bottle to allow for expansion. The sample volume level should be marked with a grease pencil or by placing the top of the label at the appropriate sample height.
- All sample bottles must be sealed around the neck or the jar lid with clear tape. Any custody seals should be affixed prior to sealing the bottle.
- All sample bottles shall be placed in plastic Ziploc® bags to minimize contact with inert packing material, unless foam inserts are used.



- Foam inserts should be used as inert packing material when shipping low hazard water samples via a common carrier to the laboratory.
- Low-hazard environmental samples are to be cooled. “Blue ice” or some other artificial icing material, or ice placed in plastic bags, may be used. Ice will not be used as a substitute for packing material.
- A duplicate custody record must be placed in a plastic bag and taped to the inside of the cooler lid. Custody seals are affixed to the sample cooler.
- The cooler will be labeled as containing a hazardous material if it contains medium or high-hazard samples. Labeling requirements differ depending on the type of material being shipped; the majority of soil samples may be shipped as a class “9” hazardous material with the proper shipping name “OTHER REGULATED SUBSTANCES (ENVIRONMENTAL SAMPLES).”
- A hazardous material shipping manifest will be completed for each cooler of medium to high-hazard samples and affixed to the lid of the cooler.
- Low-hazard environmental samples do not require a hazardous material shipping manifest. The words “LABORATORY SAMPLES” should be printed on the top of the cooler for low-hazard samples.
- Samples packaged and shipped as limited-quantity radioactive material must comply with DOT and shipper regulations for package contamination limits, surface exposure rate, and air bill completion.

### **5.3.2 Shipping Containers**

Environmental samples will be properly packaged and labeled for transport and dispatched for analysis to the appropriate subcontracted laboratory for geotechnical analyses. A separate chain-of-custody record must be prepared for each container. The following requirements for marking and labeling of shipping containers will be observed:

- Use abbreviations only where specified;
- The words “This End Up” or “This Side Up” must be clearly printed on the top of the outer package. Upward-pointing arrows should be placed on the sides of the package. The words “Laboratory Samples” should also be printed on the top of the package; and
- After a container has been closed, two custody seals are placed on the container – one on the front and one on the back. The seals are protected from accidental damage by placing strapping tape over them.

Field personnel will make timely arrangements for transportation of samples to the laboratory. When custody is relinquished to a shipper, field personnel will telephone the laboratory custodian to inform him of the expected time of arrival of the sample shipment and to advise him of any time constraints on sample analysis.

### 5.3.3 Shipping Procedures

- The coolers in which the samples are packed must be accompanied by a chain-of-custody record. When transferring samples, the individuals relinquishing and receiving them must sign, date, and note the time on the record. This record documents sample custody transfer.
- Samples must be dispatched to the laboratory for analysis with a separate chain-of-custody record accompanying each shipment. Shipping containers must be sealed with custody seals for shipment to the laboratory. The method of shipment, name of courier, and other pertinent information are entered in the "Remarks" section of the chain-of-custody record.
- All shipments must be accompanied by the chain-of-custody record identifying their contents. The original record accompanies the shipment, and the yellow copy is retained by the Site team leader.
- If sent by mail, the package is registered with return receipt requested. If sent by common carrier, a bill of lading is used. Freight bills, Postal Service receipts, and bills of lading are retained as part of the permanent documentation.
- Samples must be shipped to the analytical laboratory within 24 to 48 hours from the time of collection.

### 5.4 Laboratory Custody Procedures

The designated sample custodian at the laboratory will be responsible for maintaining the chain-of-custody for samples received at the lab. Among other things, the custodian must adhere to the following basic requirements:

- When the sample arrives at the lab, the custodian will complete a Cooler Receipt & Preservation Form for each cooler/package container.
- Upon receipt, the coolers are examined for the presence and condition of custody seals, locks, shipping papers, etc. Shipping labels are removed and placed on scrap paper and added to the receiving paper work. The custodian then completes the chain-of-custody record by signing and recording the date and time the package is opened.
- Acceptance criteria for cooler temperature is 0-6°C. If a cooler exhibits a temperature outside this range, the anomalies are noted on the Cooler Receipt & Preservation Form.
- The custodian will then unload the samples from the cooler(s)/container(s), assign an identification number to each sample container, and affix a barcode label to each sample container for logging in and out of the LIMS system.

Adherence to this procedure will ensure that all samples can be referenced in the computer tracking system. All sample control and chain-of-custody procedures applicable to the analytical laboratory are presented in laboratory SOPs available for review.

## **6.0 Analytical Methods**

All laboratory analyses will be performed by Upstate Laboratories, an accredited and appropriately (NYSDEC ELAP CLP) certified analytical laboratory. Inorganic, general analytical and organic methods to be performed by the laboratory for this project are listed in Table 1 of this QAPP.

### **6.1 Analytical Capabilities**

The analytical laboratory is fully equipped for analysis of all types of water, air, and soil samples for chemical contaminants, bacteriological quality, and general characterization. Proven and approved analytical techniques are used, backed up by a rigorous system of QC and QA checks to ensure reliable and defensible data. All laboratory work is performed in accordance with guidelines established by EPA, the New York State Department of Health (NYSDOH), and the National Institute of Occupational Safety and Health (NIOSH), if applicable.

Organic analysis is accomplished by gas chromatography (GC), high performance liquid chromatography (HPLC), and or GC/mass spectrometry (MS). Liquid, soil, and air samples are analyzed routinely for pesticides, polychlorinated biphenyls (PCBs), volatile organics, extractable organics, and other groups of compounds, as necessary. The laboratory uses two types of instruments for analysis of metals in various matrices: AAS and ICP.

Laboratory procedures to be utilized for sample preparation and analysis are referenced in the NYSDEC Analytical Services Protocol.

#### **Method Detection Limits**

Method detection limits are determined according to procedures outlined in 40 CFR Part 136, Appendix B or EPA Contract Laboratory Protocol. General analytical detection limits are usually determined by the lowest point on the curve. Detection limits are determined at least annually for all appropriate analytical methods. A listing of the laboratory's method detection limits is available upon request.

### **6.2 Quality Control Samples**

Laboratory QC consists of analysis of laboratory blanks, duplicates, spikes, standards, and QC check samples as appropriate to the methodology. These laboratory QC samples are described below.

#### **6.2.1 Laboratory Blanks**

Three types of laboratory blanks, one or more of which will be utilized depending on the analysis are described below:

- Method blanks consist of analyte-free water and are subjected to every step of the analytical procedure to determine possible contamination.

- Reagent blanks are similar to method blanks but incorporate only one of the preparation reagents in the analysis. When a method blank indicates significant contamination, one or more reagent blanks are analyzed to determine the source.
- Calibration blanks consist of pure reagent matrix and are used to zero an instrument's response, thus establishing the baseline.

### **6.2.2 Calibration Standards**

A calibration standard may be prepared in the laboratory by dissolving a known amount of a pure compound in an appropriate matrix. The final concentration calculated from the known quantities is the true value of the standard. The results obtained from these standards are used to generate a standard curve and thereby quantitate the compound in the environmental sample. A minimum of three calibration standards will be used to generate a standard curve for all analyses.

### **6.2.3 Reference Standard**

A reference standard is prepared in the same manner as a calibration standard but from a different source. Reference standards may be obtained from the EPA. The final concentration calculated from the known quantities is the "true" value of the standard. The important difference in a reference standard is that it is not carried through the same process used for the environmental samples, but is analyzed without digestion or extraction. A reference standard result is used to validate an existing concentration calibration standard file or calibration curve.

### **6.2.4 Spike Sample**

A sample spike is prepared by adding to an environmental sample (before extraction or digestion) a known amount of pure compound of the same type that is to be assayed for in the environmental sample. Spikes are added at one to 10 times the expected sample concentration or approximately 10 times the method detection limit. These spikes simulate the background and interferences found in the actual samples, and the calculated percent recovery of the spike is taken as a measure of the accuracy of the total analytical method.

A blank spike is the same as a spike sample except the spike is added to analyte-free water. The blank spike is used to determine whether the sample preparation and analysis are under control.

### **6.2.5 Surrogate Standard**

A surrogate is prepared by adding a known amount of pure compound to the environmental sample; the compound selected is not one expected to be found in the sample, but is similar in nature to the compound of interest. Surrogate compounds are added to the sample prior to extraction or digestion. Surrogate spike concentrations indicate the percent recovery of the analytes and, therefore, the efficiency of the methodology.

### **6.2.6 Internal Standard**

Internal standards are similar to surrogate standards in chemical composition but are used to quantify the concentration of analytes sampled based on the relative response factor. Internal standards are added to the environmental sample just prior to instrumental analysis.

### **6.2.7 Laboratory Duplicate or Matrix Spike Duplicate**

Laboratory duplicates are aliquots of the same sample that are split prior to analysis and treated exactly the same throughout the analytical method. Spikes and duplicates for the batch are normally aliquots of the same sample. For organics, spikes are added at approximately 10 times the method detection limit. The RPD between the values of the matrix spike and matrix spike duplicate for organics or between the original and the duplicate for inorganics is taken as a measure of the precision of the analytical method.

In general, the tolerance limit for RPDs between laboratory duplicates should not exceed 20% for validation in homogeneous samples.

### **6.2.8 Check Standard/Samples**

Inorganic and organic check standards or samples are prepared with reference standards or are available from the EPA. They are used as a means of evaluating analytical techniques of the analyst. Check standards or samples are subjected to the entire sample procedure, including extraction, digestion, etc., as appropriate for the analytical method utilized. The check standard or sample can provide information on the accuracy of the analytical method independent of various sample matrices.

## **6.3 Laboratory Instrumentation**

Laboratory capabilities will be demonstrated initially for instrument and reagent/ standards performance as well as accuracy and precision of analytical methodology. A discussion of reagent/standard procedures and brief descriptions of calibration procedures for major instrument types follow.

All standards are obtained directly from EPA or through a reliable commercial supplier with a proven record for quality standards. All commercially supplied standards will be traceable to EPA or NIST reference standards and appropriate documentation will be obtained from the supplier. In cases where documentation is not available, the laboratory will analyze the standard and compare the results to a known EPA-supplied or previous NIST-traceable standard.

All sections of the laboratory will have SOP for standard and reagent procedures to document specific standard receipt, documentation, and preparation activities. In general, the individual SOPs incorporate the following items:

- Documentation and labeling of date received, lot number, date opened, and expiration date;
- Documentation of traceability;
- Preparation, storage, and labeling of stock and working solutions; and
- Establishing and documenting expiration dates and disposal of unusable standards.

Each laboratory instrument will be labeled clearly with a unique identifier that relates to all laboratory calibration documentation. Laboratory SOPs and calibration procedures are detailed in the laboratory's Quality Assurance Manual, available upon request.

## **7.0 Data Reporting and Validation**

### **7.1 Deliverables**

Once the contract laboratory has provided all analytical data and hydrogeologic information has been evaluated, Lu Engineers will develop a report on the findings of the investigation and remedial measures. The report will be prepared as indicated by the following outline:

- 1.0 SUMMARY OF FIELD ACTIVITIES
- 2.0 CONTAMINATION EVALUATION
  - 2.1 Findings
  - 2.2 Data Evaluation
  - 2.3 Regulatory Review
  - 2.4 Exposure Pathways
- 3.0 CONCLUSIONS AND RECOMMENDATIONS

The report will carefully document all findings of the investigation and will be supplemented with photographic documentation, subsurface soil logs, cross sections, and study area plans indicating groundwater flow direction and sub aerial contaminant distribution.

#### **7.1.1 Category B Data Package**

All analytical data will be reported by the laboratory with NYSDEC ASP Category B deliverables. The Category B data package includes:

1. A detailed summary of the report contents and any quality control outliers or corrective actions taken.
2. Chain of Custody documentation
3. Sample Information including: date collected, date extracted, date analyzed, and analytical methods.
4. Data (including raw data) for:
  - samples
  - laboratory duplicates
  - method blanks
  - spikes and spike duplicates
  - surrogate recoveries
  - internal standard recoveries
  - calibrations
  - any other applicable QC data
5. Method detection limits and/or instrument detection limits
6. Run logs, standard preparation logs, and sample preparation logs
7. Percent solids (where applicable).

### **7.1.2 Quality Assurance Reports**

For the laboratory, a general QA report summarizing problems encountered throughout the laboratory effort, including sample custody, analyses, and reporting, is provided to Lu Engineers' project QA management by the QA coordinator. This report identifies areas of concern and possible resolutions in an effort to ensure data quality.

Upon completion of a project sampling effort, analytical and QC data will be included in a comprehensive report that summarizes the work and provides a data evaluation. A discussion of the validity of the results in the context of QA/QC procedures will be made, as well as a summation of all QA/QC activity.

Serious analytical or sampling problems will be reported to NYSDEC. Time and type of corrective action, if needed, will depend on the severity of the problem and relative overall project importance. Corrective actions may include altering procedures in the field, conducting an audit, or modifying laboratory protocol. All corrective actions will be implemented after notification and approval of NYSDEC.

In addition to the laboratory report narrative, QA data validation reports that include any contractual requirements will also be provided to NYSDEC. These QA reports will be submitted with the analytical data, on a monthly basis, or at the conclusion of the project.

## **7.2 Data Validation and Usability**

Prior to the submission of the report to NYSDEC, all data will be evaluated for precision, accuracy, and completeness.

QA/QC requirements from both methodology and company protocols will be strictly adhered to during sampling and analytical work. All data generated will be reviewed by comparing and interpreting results from instrumental responses, retention time, determination of percent recovery of spiked samples or blanks, and reproducibility of duplicate sample results. All calculations and data manipulations are included in the appropriate methodology references. Control charts and calibration curves will be used to review the data and identify outlying results.

### **7.2.1 Data Validation**

If necessary, a third-party validator will be responsible for an independent review of all analytical work performed under the NYSDEC ASP-CLP protocol. The functions will be to assess and summarize the quality and reliability of the data for the purpose of determining its usability and to document for the historical record of each Site any factors affecting data usability, such as discrepancies, poor laboratory practices, and Site locations that are difficult to analyze. The data validator will be responsible for determining completeness and compliance. Lu Engineers' QA officer will be responsible for determining data usability and overseeing the work of the data validator.



Information available to the data validator and the QA officer for performance of these functions include the NYSDEC ASP Category B data package, information from the sampling team regarding field conditions and field QA samples, chain-of-custody and shipping forms. The data package is designed to provide all necessary documentation to verify compliance with NYSDEC ASP CLP protocol and the accuracy and reliability of the reported results.

The laboratory will deliver the data package to the project QA coordinator for processing prior to submission to the data validator. The project QA coordinator will review the report for immediate problems, summarize the data for in-house use, and process the work order for the third-party data-validation subcontract within five working days.

In order to effectively review the data package, the data validator will obtain a general overview of each case. This includes the exact number of samples, their assigned numbers, and their matrix. The data validator will deliver the data validation report within 30 days of receipt of the data package.

If a problem arises between the data validator and the laboratory, the data validator must submit written questions to the laboratory. The laboratory will be required to respond in writing within 10 working days to correct any deficiencies. If the data validator does not receive a written response from the laboratory within the specified time period, the data in question shall be considered noncompliant.

Sampling locations will be obtained from the sampling records, such as the chain-of-custody forms. This information is necessary for preparation of the data summary, evaluation of adherence to sample holding times, discussion of matrix problems, and discussion of contaminants detected in the samples.

The following is a brief outline of the data validation process:

- Compilation of all samples with the dates of sampling, laboratory receipt, and analysis;
- Compilation of all QC samples, such as field blanks, field duplicates, MS/MSD samples, laboratory blanks, and laboratory replicates;
- Review of chain-of-custody documents for completeness and correctness;
- Review of laboratory analytical procedure and instrument performance criteria;
- Qualification of data outside acceptable QC criteria ranges;
- Preparation of a memorandum summarizing any problems encountered and the potential effects on data usability;
- Preparation of a data summary, including validated results, with sample matrix, location, and identification; and
- Tabulation of field duplicates, laboratory replicate, and blank results.

Copies of all data validation and usability reports, as well as all data summary packages, will be provided to the NYSDEC project manager. In addition, copies of all analytical raw data will be provided to NYSDEC upon request.

### **7.2.2 Data Usability**

A Data Usability Summary Report (DUSR) will be provided after review and evaluation of the analytical data package. The DUSR will contain required elements listed in Appendix 2B of *DER-10 Technical Guidance for Site Investigation and Remediation*.

The DUSR will include a description of the samples and analytical procedures used. Any data deficiencies, protocol deviations, or quality control problems will be discussed as to their effect on data results. The report will also include any suggestions for resampling or reanalysis.

**TABLE 1  
SAMPLING AND ANALYSIS SUMMARY**

| Sample Type                                              | Sample Location                          | Analytical Parameter           | Analytical Method    | Reporting Level          | # Field Samples | Field Duplicates | Blanks |      | MS/MSD | Total |
|----------------------------------------------------------|------------------------------------------|--------------------------------|----------------------|--------------------------|-----------------|------------------|--------|------|--------|-------|
|                                                          |                                          |                                |                      |                          |                 |                  | Equip  | Trip |        |       |
| Subsurface Soils – Test Pit Excavations and Soil Borings | 9 test pit excavations                   | TCL VOC<br>RCRA Metals<br>PCBs | 8260<br>6020<br>8082 | Category B<br>(Level IV) | 9               | 1                | 1      |      | 1/1    | 13    |
|                                                          | 5 soil borings<br>(for monitoring wells) | TCL VOC<br>RCRA Metals<br>PCBs | 8260<br>6020<br>8082 |                          | 5               | 1                | 1      |      | 1/1    | 9     |
| Groundwater – New Monitoring Wells                       | 4 newly installed wells                  | TCL VOC<br>TAL Metals<br>PCBs  | 8260<br>6020<br>8082 |                          | 4               | 1                | 1      | 1    | 1/1    | 9     |

Note: Sample quantities are estimated. Additional samples may be required according to actual field, subsurface soil, and groundwater conditions as encountered during Supplemental Site Investigation work activities.

## **APPENDIX H – HEALTH AND SAFETY PLAN**

The attached Health and Safety plan (HASP) was prepared by a qualified person in accordance with the most recently adopted and applicable general industry (29 CFR 1910) and construction (29 CFR 1926) standards of OSHA, the U.S. Department of Labor, as well as any other federal, state or local applicable statutes or regulations. The HASP was prepared in accordance with NYSDEC's DER-10 and includes a description of the health and safety procedures associated with both performance monitoring of the remedial system(s) and effectiveness monitoring. A copy of the HASP will be available at the Site during the conduct of all activities to which it is applicable.

# HEALTH AND SAFETY PLAN

## Supplemental Site Investigation Work Plan 415 Orchard Street

City of Rochester  
Environmental Restoration Project  
415 Orchard Street and 354 Whitney Street  
Monroe County, New York



Prepared For:

City of Rochester  
Department of Environmental Services  
Division of Environmental Quality  
30 Church Street  
Rochester, New York 14614

PREPARED BY:



Lu Engineers  
175 Sully's Trail  
Suite 202  
Pittsford, New York 14534

**May 2015**

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### APPENDICES

|            |                                                    |
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| APPENDIX A | HEAT STRESS AND COLD EXPOSURE                      |
| APPENDIX B | ADDITIONAL POTENTIAL PHYSICAL AND CHEMICAL HAZARDS |
| APPENDIX C | HAZARD EVALUATION SHEETS / MSDS                    |
| APPENDIX D | EQUIPMENT CHECKLIST                                |

**LU ENGINEERS  
SITE SAFETY PLAN**

---

**A. GENERAL INFORMATION**

Project Title: Orchard/Whitney Site Lu Project No. 4216-06  
City of Rochester  
Environmental Restoration  
Supplemental Site Investigation

Project Manager: Gregory L. Andrus, CHMM Project Director: Robert Hutteman, P.E.

Location: 415 Orchard Street  
City of Rochester, Monroe County, New York

Prepared by: Ariadna Cheremeteff Date Prepared: May 2015  
Date Revised: \_\_\_\_\_

Approved by: \_\_\_\_\_ Date Approved: \_\_\_\_\_

Site Safety Officer Review: Susan Hilton Date Reviewed: \_\_\_\_\_

Scope/Objective of Work: Remedial Investigation of Site. The following tasks will be included:

- Task 1: Test Pit Excavations
- Task 2: Soil Borings
- Task 3: Subsurface Soil Sampling
- Task 4: Well Installations
- Task 5: Groundwater Sampling

Proposed Date of Field Activities: July 2015

Background Information:  Complete \* Preliminary (limited analytical data)  
\* Background information provided by NYSDEC and City of Rochester

Overall Chemical Hazard:  Serious  Moderate  
 Low  Unknown

Overall Physical Hazard:  Serious  Moderate  
 Low  Unknown

---

## B. SITE/WASTE CHARACTERISTICS

### Waste Type(s):

Liquid                       Solid                       Sludge                       Gas/Vapor

### Characteristic(s):

Flammable/Ignitable    Volatile                       Corrosive                       Acutely Toxic  
 Explosive (moderate)    Reactive                       Carcinogen                       Radioactive

Other: \_\_\_\_\_

### Physical Hazards:

Overhead                       Confined Space                       Below Grade                       Trip/Fall  
 Puncture                       Burn                       Cut                       Splash  
 Noise                       Other:                      Heat Stress

---

### Site History/Description and Unusual Features:

The Site has been used for various commercial and industrial uses since the early 1900s. From 1915 to 1922, the North East Electric Company operated on the Site. General Motors occupied the Site from 1930 to 1967. Industrial activities including the production of electrical equipment, heat treating, plating, coal storage, boiler operations, petroleum fuel storage and industrial wastewater treatment were performed on the Site.

After General Motors closed operations, other industrial operations took place at the Site including; metal finishing, synthetic foam production, printing, plastics manufacturing and warehousing. These operations took place at the Site until the early 1990s.

The Orchard/Whitney Site (Site) is located at 415 Orchard Street and 354 Whitney Street in the City of Rochester, New York (Figure 1). The Site has a combined area of 3.9 acres and is located near the intersection of Lyell Avenue and Broad Street. One multi-story structure of approximately 128,900 square feet, formerly located on Whitney Street, and was demolished in 2008. There was also one multi-story structure of approximately 371,600 square feet formerly located on Orchard Street and was demolished in 2015.

Previous environmental investigations have revealed that volatile organic compounds (VOCs), several metals, and semi-volatile organic compounds (SVOCs) have been detected in subsurface soils and groundwater above NYSDEC Soil Guidance Values on the Whitney Street parcel. Information on the Orchard Street parcel is limited. There are no local private wells in the area of the Site and the surrounding community is on public water and sewer service.

**Locations of Chemicals/Wastes:** Soil, sediment, surface water and/or groundwater.

**Estimated Volume of Chemicals/Wastes:** Unknown.



**Site Currently in Operation:**  Yes       No       Not Applicable

**C. HAZARD EVALUATION**

| <b>PHYSICAL HAZARD EVALUATION:</b> |                                                                                                                            |                                                                                                                                                                                                                                                                                        |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>TASK</b>                        | <b>HAZARD(S)</b>                                                                                                           | <b>HAZARD PREVENTION</b>                                                                                                                                                                                                                                                               |
| Task 1 - 5                         | Contact with or inhalation of contaminants, potentially in high concentration in sampling media and/or fire and explosion. | To minimize exposure to chemical contaminants, a thorough review of suspected contaminants should be completed and implementation of an adequate protection program. Under-ground vaults to be ventilated during inspections. Field safety equipment will be used to minimize hazards. |
| Task 1, 2, & 4                     | Standard Drilling Rig Hazards                                                                                              | Wear hard hat, keep back from drilling operations, only driller and helper are to be in "drilling zone"                                                                                                                                                                                |
| Task 1 - 5                         | Drum opening/sampling                                                                                                      | Proper protective equipment, drum opening techniques, equipment and the use of remote sampling when possible.                                                                                                                                                                          |
| Task 1 - 4                         | Overhead Hazards/ Falling Objects                                                                                          | <b>See Appendix B</b>                                                                                                                                                                                                                                                                  |
| Task 1 - 5                         | Back strain and muscle fatigue, ergonomic stress due to lifting.                                                           | Use proper lifting techniques and limit load to prevent back strain.                                                                                                                                                                                                                   |
| Task 1 - 5                         | Heat stress/ cold stress exposure.                                                                                         | Implement heat stress management techniques such as shifting work hours, increasing fluid intake, and monitoring employees. <b>See Appendix A.</b>                                                                                                                                     |
| Task 1 - 5                         | Slip/ tripping/ fall.                                                                                                      | Observe terrain and drilling equipment while walking to minimize slips and falls. Steel-toed boots provide additional support and stability. Use adequate lighting. Inspect Site and mark existing hazards.                                                                            |
| Task 1 - 5                         | Medical Waste (Sharps)                                                                                                     | Carefully observe terrain while walking and any on-Site materials before handling. Gloves should be worn for any contact with on-Site materials.                                                                                                                                       |
| Task 1 - 5                         | Noise                                                                                                                      | <b>See Appendix B</b>                                                                                                                                                                                                                                                                  |
| Task 1 - 5                         | Native wildlife presents the possibility of insect bites and associated diseases.                                          | Avoid wildlife when possible.                                                                                                                                                                                                                                                          |
| Task 1 - 5                         | Sunburn.                                                                                                                   | Apply sunscreen, wear appropriate clothing.                                                                                                                                                                                                                                            |
| Task 1, 2, & 4                     | Utility Lines.                                                                                                             | <b>See Appendix B</b>                                                                                                                                                                                                                                                                  |
| Task 1 - 5                         | Weather Extremes.                                                                                                          | Establish Site-specific contingencies for severe weather situations. Discontinue work in severe weather.                                                                                                                                                                               |

**Physical Hazard Evaluation:** Basic health and safety protection (steel-toed boots, work clothes, and safety glasses or goggles) will be worn by all personnel at all times. Any allergies should be reported to the Site Safety Officer prior to the start of the project.

#### D. SITE SAFETY WORK PLAN

**Site Control:** Site perimeter is fenced and gated, though continued evidence of vandalism suggests Site is not fully secure.

**Perimeter Identified?** [Y]                      **Site Secured?** [N]

**Work Areas Designated?** [Y]                      **Zone(s) of contamination identified?** [N]

**Anticipated Level of Protection (cross-reference task numbers in Section C):**

|          | <u>A</u> | <u>B</u> | <u>C</u>  | <u>D</u> |
|----------|----------|----------|-----------|----------|
| Task 1-5 |          |          | Available | X        |

All Site work will be performed at Level D (steel-toed boots, work clothes, eye protection, gloves and hard hats) unless monitoring indicates otherwise. Gloves will be worn if contact with Site soil, sediment or water is anticipated, due to concerns of PCB contamination. Level C will be available, and used when indicated by PID of 1 ppm or greater above ambient air.

See Appendices A, B and C for specific Site safety requirements.

**Air Monitoring:**

Lu Engineers will conduct air monitoring during the intrusive investigations. If action levels are exceeded during intrusive investigation, appropriate precautions will be taken.

**Action Levels:**

PID readings of 1 to 5 ppm above background at breathing zone and sustained for 1 minute,  
Action: Upgrade to Level C protection, continuous air monitoring.

PID readings of 5 to 300 ppm above background at breathing zone and sustained for 1 minute,  
Action: Upgrade to Level B protection, continuous air monitoring.

PID readings of >300 ppm above background at breathing zone and sustained for 1 minute,  
Action: Stop work, evacuate work zone and evaluate with continuous air monitoring.

O<sub>2</sub> readings must remain between 19.5% and 22.0%. Explosivity must be above 10% LEL. The area must be evacuated and ignition sources eliminated if levels are not within their standard. These atmosphere factors will be measured at a position that would give the earliest indication of a hazardous condition forming not at the breathing zone. Appropriate actions, initially evacuation of the immediate work area, will be taken if established action levels area exceeded.

If particulate levels exceed a level of 2.5 times background (upwind levels subtracted from downwind concentration) or a level of 150 mcg/m<sup>3</sup>, dust control measures will be initiated and the dust generating activity suspended until levels decrease below the action level. Perimeter monitoring will be conducted if the action level is obtained at the work area.

All air monitoring results as well as wind direction and speed (estimates) will be documented in the Site specific log book.

**Decontamination Solutions and Procedures for Equipment, Sampling Gear, etc.:**

Disposable sampling equipment will be used where possible. If decon is necessary, distilled or deionized water andalconox will be used. A 10% nitric acid rinse will be added if metals sampling is to be conducted.

**Personnel Decon Protocol:**

Personal protective clothing will be removed in a manner that will minimize the potential of contaminant to skin contact. Visible contamination will be removed from protective clothing prior to the individual doffing the articles. Soap, water and paper towels will be available for all personnel and will be used before eating, drinking or leaving the Site. Personnel will shower upon return to home or hotel. Disposable PPE will be double-bagged and disposed of as non-hazardous waste unless PCBs are detected. If PCBs are detected, the PPE will be disposed of accordingly.

**Decontamination Solution Monitoring Procedures, if Applicable:**

All decontamination procedures will take place in a well ventilated area. Decontamination solutions will be collected and sampled for proper disposal.

**Special Site Equipment, Facilities or Procedures**

**(Sanitary Facilities and Lighting Must Meet 29CFR 1910.120):**

All personnel will be required to maintain the Buddy System at all times. A portable toilet and potable water will be available on Site. All parties will be required to attend an on-Site briefing, which will identify the roles of each organization's personnel and will integrate emergency procedures for all Site participants.

**Site Entry Procedures and Special Considerations:**

Any confined spaces will be marked and access restricted. All overhead hazards should be marked, tripping/floor hazards should be marked and barricaded if necessary, other sharp edges, drop offs, flooded areas or hazardous debris appropriately identified. Electrical hazards should be identified if power is activated. Ventilation will be provided, to the extent necessary, to reduce hazardous atmospheres.

Entry to the Site should be limited through the Whitney Street gate. The gate should be closed and locked when not in use both when personnel are on or off-Site in order to restrict unauthorized individuals. The Buddy System should be employed at all times on-Site and entering and exiting the Site, along with the work zone areas.

**Work Limitations (time of day, weather conditions, etc.) and Heat/Cold Stress Requirements:**

All work will be completed during daylight hours. Severe inclement weather may be cause to suspend outdoor activities. Heat stress protocol will dictate work/rest regimen. Heavy equipment will not be used during electrical storms.

**General Spill Control, if Applicable:**

Absorbent material will be available to control spills during the collection of liquid samples (e.g. USTs, drums, floor drains, and sumps).

**Investigation Derived Material (i.e., Expendables, Decon Waste, Cuttings) Disposal:**

Investigation derived waste soils and water will be collected in drums and/or an on-Site tank and stored securely on-Site prior to being sampled for disposal. Expendables such as disposable sampling equipment, gloves and towels, will be bagged for disposal. Expendables that have contacted PCB-containing oils will be bagged separately and labeled for appropriate disposal.

**Sampling Handling Procedures Including Protective Wear:**

Samples collected from drums, sumps, USTs and floor drains will be handled with neoprene outer gloves prior to decontamination. At minimum nitrile surgical gloves will be worn while handling all other samples during labeling, documentation and packaging.

| <b>Team Member*</b>    | <b>Responsibility</b>      |
|------------------------|----------------------------|
| <u>Greg Andrus</u>     | <u>Field Team Leader</u>   |
| <u>Greg Andrus</u>     | <u>Site Safety Officer</u> |
| <u>Ari Cheremeteff</u> | <u>Team Member</u>         |
| <u>Casey Bok</u>       | <u>Team Member</u>         |
| <u>Laura Gregor</u>    | <u>Team Member</u>         |

\* All entries into the work zone require "Buddy System" use. All Lu Engineers' field staff participate in a medical monitoring program and have completed applicable training per 29CFR 1910.120. Respiratory protection program meets requirements of 29CFR 1910.134.

**E. EMERGENCY INFORMATION**

**LOCAL RESOURCES**

|                                                |                                                                                                  |
|------------------------------------------------|--------------------------------------------------------------------------------------------------|
| Ambulance:                                     | <u>911</u>                                                                                       |
| Hospital Emergency Room:                       | <u>Strong Memorial Hospital (585) 275-4551</u><br><u>601 Elmwood Avenue, Rochester, New York</u> |
| Poison Control Center:                         | <u>911</u>                                                                                       |
| Police (include local, county sheriff, state): | <u>911</u>                                                                                       |
| Fire Department:                               | <u>911</u>                                                                                       |
| Airport:                                       | <u>N/A</u>                                                                                       |
| Laboratory:                                    | <u>TBD</u>                                                                                       |
| UPS/Federal Express:                           | <u>N/A</u>                                                                                       |

**SITE RESOURCES**

|                                         |                                                        |
|-----------------------------------------|--------------------------------------------------------|
| Site Emergency Evaluation Alarm Method: | <u>Sound vehicle horn.</u>                             |
| Water Supply Source:                    | <u>Gallons of water will be available in vehicles.</u> |
| Telephone Location, Number:             | <u>None available</u>                                  |
| Cellular Phone, if Available:           | <u>TBD</u>                                             |
| Radio:                                  | <u>TBD</u>                                             |
| Other:                                  | <u>TBD</u>                                             |

### EMERGENCY CONTACTS

1. Fire/Police: 911
2. Lu Engineers, Safety Director: (585) 385-7417, Ext. 215 (office)
3. Lu Engineers, Greg Andrus: (585) 385-7417, Ext. 215 (office)

### EMERGENCY ROUTES

Note: Field team must know route(s) prior to start of work.

**Directions from the Site to Strong Memorial Hospital (map on following page):**

Turn right onto Whitney Street. Take a right onto Lyell Avenue. Turn right onto Broad Street (1 mile). Stay straight to go onto Ford Street. Turn slight right onto South Plymouth Avenue NY-383 (1.6 miles). Turn left on Elmwood Avenue, the hospital is at 601 Elmwood Avenue.

**On-Site Assembly Area:** At site entry point at Whitney Street Gate.

**Off-Site Assembly Area:** The intersection of Whitney Street and Lyell Avenue.

**Emergency egress routes to get off-Site:** N/A.

**APPENDIX A**

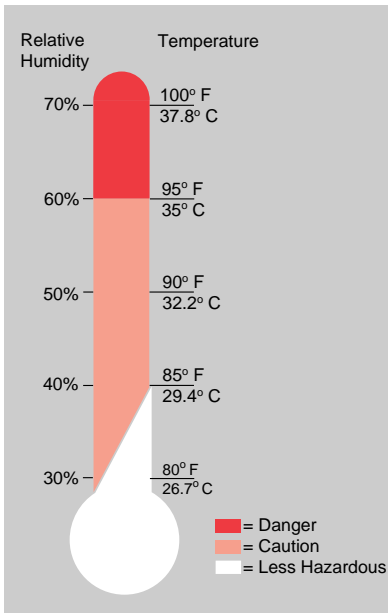
**HEAT STRESS EXPOSURE**



# THE HEAT EQUATION

**HIGH TEMPERATURE + HIGH HUMIDITY + PHYSICAL WORK  
= HEAT ILLNESS**

When the body is unable to cool itself through sweating, **serious** heat illnesses may occur. The most severe heat-induced illnesses are **heat exhaustion** and **heat stroke**. If actions are not taken to treat heat exhaustion, the illness could progress to heat stroke and possible **death**.



# HEAT EXHAUSTION

## *What Happens to the Body:*

HEADACHES, DIZZINESS/LIGHT HEADEDNESS, WEAKNESS, MOOD CHANGES (irritable, or confused/can't think straight), FEELING SICK TO YOUR STOMACH, VOMITING/THROWING UP, DECREASED and DARK COLORED URINE, FAINTING/PASSING OUT, and PALE CLAMMY SKIN.

## *What Should Be Done:*

- Move the person to a cool shaded area to rest. Don't leave the person alone. If the person is dizzy or light headed, lay them on their back and raise their legs about 6-8 inches. If the person is sick to their stomach lay them on their side.
- Loosen and remove any heavy clothing.
- Have the person drink some cool water (a small cup every 15 minutes) if they are not feeling sick to their stomach.
- Try to cool the person by fanning them. Cool the skin with a cool spray mist of water or wet cloth.
- If the person does not feel better in a few minutes call for emergency help (Ambulance or Call 911).

*(If heat exhaustion is not treated, the illness may advance to heat stroke.)*

## HEAT STROKE—A MEDICAL EMERGENCY

### *What Happens to the Body:*

DRY PALE SKIN (no sweating), HOT RED SKIN (looks like a sunburn), MOOD CHANGES (irritable, confused/not making any sense), SEIZURES/FITS, and COLLAPSE/PASSED OUT (will not respond).

### *What Should Be Done:*

- Call for emergency help (Ambulance or Call 911).
- Move the person to a cool shaded area. Don't leave the person alone. Lay them on their back and if the person is having seizures/fits remove any objects close to them so they won't strike against them. If the person is sick to their stomach lay them on their side.
- Remove any heavy and outer clothing.
- Have the person drink some cool water (a small cup every 15 minutes) if they are alert enough to drink anything and not feeling sick to their stomach.
- Try to cool the person by fanning them. Cool the skin with a cool spray mist of water, wet cloth, or wet sheet.
- If ice is available, place ice packs under the arm pits and groin area.

## **How to Protect Workers**

- Learn the signs and symptoms of heat-induced illnesses and what to do to help the worker.
- Train the workforce about heat-induced illnesses.
- Perform the heaviest work in the coolest part of the day.
- Slowly build up tolerance to the heat and the work activity (usually takes up to 2 weeks).
- Use the buddy system (work in pairs).
- Drink plenty of cool water (one small cup every 15-20 minutes)
- Wear light, loose-fitting, breathable (like cotton) clothing.
- Take frequent short breaks in cool shaded areas (allow your body to cool down).
- Avoid eating large meals before working in hot environments.
- Avoid caffeine and alcoholic beverages (these beverages make the body lose water and increase the risk for heat illnesses).

## **Workers Are at Increased Risk When**

- They take certain medication (check with your doctor, nurse, or pharmacy and ask if any medicines you are taking affect you when working in hot environments).
- They have had a heat-induced illness in the past.
- They wear personal protective equipment (like respirators or suits).

**APPENDIX B**

**ADDITIONAL POTENTIAL PHYSICAL AND CHEMICAL HAZARDS**

| ADDITIONAL POTENTIAL PHYSICAL AND CHEMICAL HAZARDS                                                    |                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| POTENTIAL PHYSICAL HAZARDS                                                                            | CONTROL METHODS                                                                                                                                                                                                                                                                                                         |
| Overhead Hazards/Falling Objects                                                                      | Overhead hazards will be identified prior to each task (i.e., inspecting drill rig mast, building structure). Hard hats will be required for each task that poses an overhead hazard.                                                                                                                                   |
| Contact with Utilities                                                                                | Prior to initiating Site activities, all utilities will be located by the appropriate utility company and will be marked and/or barricaded to minimize the potential of accidental contact. A minimum distance of 25 feet between the derrick and overhead power lines must be maintained at all times.                 |
| Noise Exposure                                                                                        | Areas of potentially high sound pressure levels (>85 dBA) will be restricted to authorized personnel only. Engineering controls will be used to the extent possible. Hearing protection will be made available to all workers on-Site. Exposure to time-weighted average levels in excess of 85 dBA is not anticipated. |
| POTENTIAL CHEMICAL HAZARDS                                                                            | GENERAL CONTROL METHODS                                                                                                                                                                                                                                                                                                 |
| Contaminant Inhalation                                                                                | Direct reading instruments will be used to monitor airborne contaminants. Established Lu Engineers' action levels will limit exposure to safe levels. Respiratory protection will be used as appropriate.                                                                                                               |
| Contaminant Ingestion                                                                                 | Standard safety procedures such as restricting eating, drinking, and smoking to the support zone and utilizing proper personal decontamination procedures will minimize ingestion as a potential route of exposure.                                                                                                     |
| Dermal Contaminant Contact                                                                            | The proper selection and use of personal protective clothing and decontamination procedures will minimize dermal contaminant contact.                                                                                                                                                                                   |
| Potential contact with lower concentration waste and naturally occurring contaminants (i.e., methane) | Dermal contact with contaminants will be minimized by proper use of the following PPE: <ul style="list-style-type: none"> <li>• Tyvex coveralls</li> <li>• Neoprene gloves</li> <li>• Booties (latex) or over-boots.</li> </ul>                                                                                         |

**APPENDIX C**

**HAZARD EVALUATION SHEETS / MSDS**

**CHEMICAL HAZARD EVALUATION**

| Task Number | Compound                                     | Exposure Limits (TWA)               |     |                                     | Dermal Hazard (Y/N) | Route(s) of Exposure | Acute Symptoms                                                                                                                                       | Odor Threshold/Description                            | FID/PID           |                    |
|-------------|----------------------------------------------|-------------------------------------|-----|-------------------------------------|---------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------|--------------------|
|             |                                              | PEL                                 | REL | TLV                                 |                     |                      |                                                                                                                                                      |                                                       | Relative Response | Ioniz. Poten. (eV) |
|             |                                              |                                     |     |                                     |                     |                      |                                                                                                                                                      |                                                       |                   |                    |
| 1 - 5       | Aroclor 1242 Polychlorinated biphenyl (PCB)* | 1.0 <sup>sk</sup> mg/m <sup>3</sup> | --- | 1.0 <sup>sk</sup> mg/m <sup>3</sup> | Y                   | Abs, Inh, Ing        | Irritation to eyes and skin; dermatitis, liver damage                                                                                                | Mild hydrocarbon odor                                 | ---               | ---                |
| 1 - 5       | Aroclor 1260 Polychlorinated biphenyl (PCB)* | 0.5 <sup>sk</sup> mg/m <sup>3</sup> | --- | 0.5 <sup>sk</sup> mg/m <sup>3</sup> | Y                   | Abs, Inh, Ing        | Irritation to eyes and skin; dermatitis, liver damage                                                                                                | ---                                                   | ---               | ---                |
| 1 - 5       | Benzene*                                     | 1 ppm                               | --- | 10 ppm                              | Y                   | Inh, Abs, Ing, Con   | Irritation to eyes, skin, nose, respiratory system; headache, nausea, dizziness, drowsiness, unconsciousness, harmful, fatal if aspirated into lungs | Colorless to light yellow liquid, sweet aromatic odor | 0.5               | 9.25               |
| 1 - 5       | Ethylbenzene                                 | 100 ppm                             | --- | 100 ppm                             | Y                   | Inh, Ing, Con        | Irritation to eyes, skin, mucous membranes; dermatitis, narcosis, , trouble breathing, paralysis, headache, nausea, headache, dizziness, coma        | Colorless liquid, aromatic odor                       | 0.5               | 8.77               |



**CHEMICAL HAZARD EVALUATION**

| Task Number | Compound              | Exposure Limits (TWA)                          |                                                                           |                                       | Dermal Hazard (Y/N) | Route(s) of Exposure | Acute Symptoms                                                                                                                                                                                                                                                                                                                                                                                                                                     | Odor Threshold/Description                             | FID/PID            |      |
|-------------|-----------------------|------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------|---------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|--------------------|------|
|             |                       | REL                                            | TLV                                                                       | Relative Response                     |                     |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                        | Ioniz. Poten. (eV) |      |
|             |                       | PEL                                            | REL                                                                       |                                       |                     |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                        |                    |      |
| 1 - 5       | Mercury               | 0.1 <sup>sk</sup> mg/m <sup>3</sup><br>ceiling | 0.1 mg/m <sup>3</sup><br>ceiling<br><br>0.05 mg/m <sup>3</sup><br>ceiling | 0.025 <sup>sk</sup> mg/m <sup>3</sup> | Y                   | Inh, Abs, Ing, Con   | Severe respiratory tract damage, sore throat, coughing, pain, tightness in chest, breathing difficulties, headache, muscle weakness, anorexia, GI disturbances, ringing in ear, liver changes fever, bronchitis, pneumonitis, burning in mouth, abdominal pain, vomiting, corrosive ulceration, bloody diarrhea, weak & rapid pulse, paleness, exhaustion, tremors, collapse, thirst, burns and irritates skin, eyes, blurred vision, pain in eyes | Silver-white, heavy, odorless liquid metal             | ---                | N/A  |
| 1 - 5       | Trichloroethene*(TCE) | 100 ppm<br>(per 6/97 NIOSH Pocket Guide)       |                                                                           |                                       | Y                   | Inh, Abs, Ing, Con   | Irritation to eyes, skin, mucous membranes and GI, headache, vertigo, fatigue, giddiness, tremors, vomiting, nausea, may burn skin, visual disturbance, paresthesia, cardiac arrhythmias                                                                                                                                                                                                                                                           | Colorless liquid, sometimes dyed blue, chloroform odor | ---                | 9.45 |

**CHEMICAL HAZARD EVALUATION**

| Task Number | Compound  | Exposure Limits (TWA) |     |         | Dermal Hazard (Y/N) | Route(s) of Exposure | Acute Symptoms                                                                                                                                                                                                                                                                             | Odor Threshold/Description                         | FID/PID           |                    |
|-------------|-----------|-----------------------|-----|---------|---------------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-------------------|--------------------|
|             |           | PEL                   | REL | TLV     |                     |                      |                                                                                                                                                                                                                                                                                            |                                                    | Relative Response | Ioniz. Poten. (eV) |
|             |           |                       |     |         |                     |                      |                                                                                                                                                                                                                                                                                            |                                                    |                   |                    |
| 1 - 5       | Xylene(s) | 100 ppm               | --- | 100 ppm | Y                   | Inh, Ing, Abs, Con   | Irritation to eyes, nose, throat, skin; nausea, vomiting, headache, ringing in ears, severe breathing difficulties (that may be delayed in onset), substernal pain, coughing hoarseness, dizziness, excited, burning in mouth, stomach, dermatitis (removes oils from skin), corneal burns | Colorless liquid, aromatic odor (solid below 56 F) | .5                | 8.44               |

KEY:

PEL = Permissible Exposure Limit  
REL = Recommended Exposure Limit  
--- = Information not available  
TLV = Threshold Limit Value(ACGIH)

Inh = Inhalation  
Ing = Ingestion  
mg/m<sup>3</sup> = Milligrams per cubic meter  
\* = Chemical is a known or suspected carcinogen

Abs = Skin Absorption  
Con = Skin and/or eye Contact  
ppm = Parts per million  
sk = Skin notation

**APPENDIX D**

**EQUIPMENT CHECKLIST**

**EQUIPMENT CHECKLIST**

| <b>PROTECTIVE GEAR</b>                   |            |                                                 |            |
|------------------------------------------|------------|-------------------------------------------------|------------|
| <b>LEVEL A</b>                           | <b>N/A</b> | <b>LEVEL B</b>                                  | <b>N/A</b> |
| SCBA                                     |            | SCBA                                            |            |
| SPARE AIR TANKS                          |            | SPARE AIR TANKS                                 |            |
| ENCAPSULATING SUITE (Type )              |            | PROTECTIVE COVERALL (Type )                     |            |
| SURGICAL GLOVES                          |            | RAIN SUIT                                       |            |
| NEOPRENE SAFETY BOOTS                    |            | BUTYL APRON                                     |            |
| BOOTIES                                  |            | SURGICAL GLOVES                                 |            |
| GLOVES (Type )                           |            | GLOVES (Type )                                  |            |
| OUTER WORK GLOVES                        |            | OUTER WORK GLOVES                               |            |
| HARD HAT                                 |            | NEOPRENE SAFETY BOOTS                           |            |
| CASCADE SYSTEM                           |            | BOOTIES                                         |            |
| 5-MINUTE COOLING VEST                    |            | HARD HAT WITH FACE SHIELD                       |            |
|                                          |            | CASCADE SYSTEM                                  |            |
|                                          |            | MANIFOLD SYSTEM                                 |            |
|                                          |            |                                                 |            |
| <b>LEVEL C</b>                           | <b>N/A</b> | <b>LEVEL D</b>                                  | <b>N/A</b> |
| ULTRA-TWIN RESPIRATOR                    | X          | ULTRA-TWIN RESPIRATOR (available)               | X          |
| POWER AIR PURIFYING RESPIRATOR           |            | CARTRIDGES (Type GMC-H)(available)              | X          |
| CARTRIDGES (Type GMC-H)                  | X          | 5-MINUTE ESCAPE MASK (available)                |            |
| 5-MINUTE ESCAPE MASK                     |            | PROTECTIVE COVERALL (Type Tyvek/Saranax)        | X          |
| PROTECTIVE COVERALL (Type Tyvek/Saranax) | X          | RAIN SUIT (available)                           | X          |
| RAIN SUIT                                |            | NEOPRENE SAFETY BOOTS                           |            |
| BUTYL APRON                              |            | BOOTIES (available)                             | X          |
| SURGICAL GLOVES                          | X          | NITRILE                                         |            |
| GLOVES (Type: Nitrite/Neoprene)          | X          | HARD HAT WITH FACE SHIELD (available)           | X          |
| OUTER WORK GLOVES                        |            | SAFETY GLASSES                                  | X          |
| NEOPRENE SAFETY BOOTS                    |            | GLOVES (Type: Surgical)                         | X          |
| HARD HAT WITH FACE SHIELD                | X          | WORK GLOVES (Type: Neoprene/Nitrile)(available) | X          |
| BOOTIES                                  | X          | SAFETY BOOTS                                    | X          |
| HARD HAT                                 |            | BLAZE ORANGE VEST                               | X          |
|                                          |            |                                                 |            |

**EQUIPMENT CHECKLIST**

| <b>INSTRUMENTATION</b>                            | <b>NO.</b> | <b>FIRST AID EQUIPMENT</b>      | <b>NO.</b> |
|---------------------------------------------------|------------|---------------------------------|------------|
| OVA                                               |            | FIRST AID KIT                   | X          |
| THERMAL DESORBER                                  |            | OXYGEN ADMINISTRATOR            |            |
| O <sub>2</sub> /EXPLOSIMETER W/CAL.KIT (Drilling) | X          | STRETCHER                       |            |
| PHOTOVAC TIP                                      |            | PORTABLE EYE WASH               |            |
| PID                                               | X          | BLOOD PRESSURE MONITOR          |            |
| MAGNETOMETER                                      |            | FIRE EXTINGUISHER               | X          |
| PIPE LOCATOR                                      |            |                                 |            |
| WEATHER STATION                                   |            | <b>DECON EQUIPMENT</b>          |            |
| DRAEGER PUMP, TUBES ( )                           |            | WASH TUBS                       |            |
| BRUNTON COMPASS                                   |            | BUCKETS                         | X          |
| MONITOX CYANIDE                                   |            | SCRUB BRUSHES                   | X          |
| HEAT STRESS MONITOR                               |            | PRESSURIZED SPRAYER             |            |
| NOISE EQUIPMENT                                   |            | DETERGENT (Type: Alconox) = TSP | X          |
| PERSONAL SAMPLING PUMPS                           |            | SOLVENT (HEXANE)                |            |
| MINI-RAM (Particulates) (Drilling)                | X          | PLASTIC SHEETING                | X          |
|                                                   |            | TARPS AND POLES                 |            |
|                                                   |            | TRASH BAGS                      | X          |
| <b>RADIATION EQUIPMENT</b>                        |            | TRASH CANS                      |            |
| DOCUMENTATION FORMS                               |            | MASKING TAPE                    |            |
| PORTABLE RATEMETER                                |            | DUCT TAPE                       | X          |
| SCALER/RATEMETER                                  |            | PAPER TOWELS                    | X          |
| NaI Probe                                         |            | FACE MASK                       |            |
| ZnS Probe                                         |            | FACE MASK SANITIZER             |            |
| GM Pancake Probe                                  |            | FOLDING CHAIRS                  |            |
| GM Side Window Probe                              |            | STEP LADDERS                    |            |
| MICRO R METER                                     |            | DISTILLED WATER                 | X          |
| ION CHAMBER                                       |            |                                 |            |
| ALERT DOSIMETER                                   |            |                                 |            |
| MINI-RAD                                          |            |                                 |            |

**EQUIPMENT CHECKLIST**

| <b>SAMPLING EQUIPMENT</b>       | <b>NO.</b> | <b>MISCELLANEOUS (cont.)</b>       | <b>NO.</b> |
|---------------------------------|------------|------------------------------------|------------|
| 4-OZ BOTTLES                    | X          | BUNG WRENCH                        | X          |
| 1 LITER AMBER BOTTLES           | X          | SOIL AUGER                         | X          |
| VOA BOTTLES                     | X          | PICK                               |            |
| SOIL SAMPLING (CORING) TOOL     | X          | SHOVEL                             | X          |
| SOIL VAPOR PROBE                |            | CATALYTIC HEATER                   |            |
| THIEVING RODS WITH BULBS        | X          | PROPANE GAS                        |            |
| SPOONS                          | X          | BANNER TAPE                        | X          |
| GENERAL TOOL KIT                | X          | SURVEYING METER STICK              | X          |
| FILTER PAPER                    |            | CHAINING PINS AND RING             |            |
| PERSONAL SAMPLING PUMP SUPPLIES |            | TABLES                             |            |
| 4-OZ JARS                       | X          | WEATHER RADIO                      |            |
|                                 |            | BINOCULARS                         |            |
| <b>VAN EQUIPMENT</b>            |            | MEGAPHONE                          |            |
| TOOL KIT                        |            | PORTABLE RADIOS (4)                | X          |
| HYDRAULIC JACK                  |            | CELL PHONE                         | X          |
| LUG WRENCH                      |            | CAMERA                             | X          |
| TOW CHAIN                       |            | HEARING PROTECTION                 | X          |
| VAN CHECK OUT                   |            |                                    |            |
| GAS                             |            | <b>SHIPPING EQUIPMENT</b>          |            |
| OIL                             |            | COOLERS                            | X          |
| ANTIFREEZE                      |            | PAINT CANS WITH LIDS, 7 CMIPS EACH |            |
| BATTERY                         |            | VERMICULITE                        |            |
| WINDSHIELD WASH                 |            | SHIPPING LABELS                    | X          |
| TIRE PRESSURE                   |            | DOT LABELS: "DANGER", "UP";        |            |
|                                 |            | "INSIDE CONTAINER COMPLIES...";    |            |
| <b>MISCELLANEOUS</b>            |            | "HAZARD GROUP"                     |            |
| PITCHER PUMP                    |            | STRAPPING TAPE                     | X          |
| SURVEYOR'S TAPE                 | X          | BOTTLE LABELS                      | X          |
| 100 FIBERGLASS TAPE             | X          | BAGGIES                            | X          |
| 300 NYLON ROPE                  |            | CUSTODY SEALS                      | X          |
| NYLON STRING                    | X          | CHAIN-OF-CUSTODY FORMS             | X          |
| SURVEYING FLAGS                 | X          | FEDERAL EXPRESS FORMS              | X          |
| FILM                            |            | CLEAR PACKING TAPE                 | X          |
| WHEEL BARROW                    |            |                                    |            |

## **APPENDIX I – COMMUNITY AIR MONITORING PLAN**

The attached Community Air Monitoring Plan (CAMP) was prepared by a qualified person in accordance with the most recently adopted and applicable general industry (29 CFR 1910) and construction (29 CFR 1926) standards of OSHA, the U.S. Department of Labor, as well as any other federal, state or local applicable statutes or regulations. The CAMP includes the appropriate requirements identified by the NYSDOH and was prepared in accordance with NYSDEC's DER-10.

# COMMUNITY AIR MONITORING PLAN

## Supplemental Site Investigation

City of Rochester  
Environmental Restoration Project  
415 Orchard Street and 354 Whitney Street  
Monroe County, New York

Prepared For:



City of Rochester  
Department of Environmental Services  
Division of Environmental Quality  
30 Church Street  
Rochester, New York 14614

Prepared By:



Lu Engineers  
175 Sully's Trail  
Suite 202  
Pittsford, New York 14534

**May 2015**



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## **1.0 Introduction**

This Community Air Monitoring Plan (CAMP) has been prepared by Lu Engineers on behalf of the City of Rochester. This CAMP addresses potential volatile organic compound (VOC) and particulate air quality issues which may arise during planned Supplemental Site Investigation (SSI) activities at the Orchard/Whitney Site located at 415 Orchard Street and 354 Whitney Street, Rochester, New York.

The investigation activities planned during the portion of the project covered by this CAMP include test pit excavations, soil borings, groundwater monitoring well installations, and groundwater sampling.

Based on previous studies completed at the Site and the Site's history, the primary chemicals of concern at the subject site are various volatile organic compounds (VOCs) and metals. Disturbance of soils and/or groundwater could result in volatilization of the organic compounds and fugitive dust releases to the ambient air creating possible nuisance or health threats to the neighborhood.

This CAMP details real-time monitoring activities to be carried out during the remedial investigation activities, to minimize the potential for neighborhood exposure to airborne hazards resulting from fugitive emissions during field work.

Air monitoring and response actions for VOCs and particulates are included in this CAMP. VOC and particulate monitoring of the work areas will also be conducted as part of the Health and Safety Plan (HASP) that will be implemented during Remedial Investigation activities by Lu Engineers. The following monitoring, response levels and actions are adapted from DER-10 NYSDOH Generic Community Air Monitoring Plan.

## **2.0 Methodology**

The Remedial Investigation activities at the Site will consist primarily of test pit excavations, soil borings, groundwater well installations, and groundwater sampling. The following programs will be implemented to monitor and, if necessary, control the potential migration of fugitive VOCs and particulates on the property.

Continuous monitoring will be required for all ground intrusive activities, and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities include but are not limited to, soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be required during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from newly

installed wells. Periodic monitoring during sampling may reasonably consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well bailing/purging, and taking a reading prior to leaving a sample location.

## **2.1 Perimeter Monitoring**

For each day of intrusive field work, a wind sock or flag will be used to monitor wind direction in the area of the work zone. Based upon the daily wind direction, two temporary monitoring points will be identified, one upwind and one downwind of the work area, at the perimeter of the site or field work location.

VOC monitoring will be done with a photoionization detector (PID-MiniRAE Model 2000 or its equivalent) fitted with a 10.6 eV lamp. Prior to the commencement of field work each day, background measurements of VOC concentrations will be logged at the upwind and downwind locations with the drill rig engine and any other gas/diesel engines operation on Site. Thereafter, readings will be recorded at approximate 15-minute intervals. These readings will be used to observe the difference between upwind and downwind VOC levels. If at any time, the downwind VOC levels exceed upwind levels (adjusted for engine exhaust) by 5 ppm (sustained), the work will be temporarily halted. The Contractor will then be required to implement the means necessary to control VOCs and explosive gases, similar to those discussed in Section 2.3.

Monitoring for explosivity using an explosive gas meter will be routinely conducted during site activities as a precautionary measure to ensure site personnel are not subjected to any dangerous conditions.

Particulate monitoring will be done with a real time particulate meter (Mini Ram) capable of monitoring particulate matter less than 10 microns in size (PM-10). Prior to the commencement of field work each day, background measurements of particulate levels will be logged at the upwind and downwind locations. Thereafter, readings and visual observations will be recorded at approximate 15-minute intervals. If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m<sup>3</sup>) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques must be employed.

Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m<sup>3</sup> above the upwind level and provided that no visible dust is migrating from the work area. If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m<sup>3</sup> above upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m<sup>3</sup> of the upwind level and in preventing visible dust migration.

## **2.2 Work Area Monitoring**

In addition to perimeter monitoring, monitoring for VOCs, particulates and explosive gases will be carried out continuously within the work area to monitor personal exposures and to compare work area readings with downwind and upwind readings. The first readings of the day will be obtained prior to the commencement of work to obtain daily background readings. Readings will be logged along with the perimeter measurements. Specific monitoring procedures to be used in the work zone can be found in the Health and Safety Plan (HASP) prepared for this site.

## **2.3 Minor Vapor Emissions Response Plan**

If the ambient air concentration of total organic vapors exceeds 5 ppm (sustained) above the background at the perimeter of the work area, activities will be halted and monitoring continued.

If the total organic vapor level decreases below 5 ppm above background, work activities can resume, with emphasis given to observing spikes in levels. If the total organic vapor levels are greater than 5 ppm over background but less than 25 ppm over background at the perimeter of the work area, activities can resume provided the organic level 200 ft. downwind of the work area or half the distance to the nearest residential or commercial structure, whichever is less, is below 5 ppm over the background. (The locations of structures in the subject neighborhood may not allow the 200 ft. buffer zone to be used).

If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown. When work shutdown occurs, downwind air monitoring as directed by the Safety Officer will be implemented to evaluate if the vapor emission levels exceed those specified in Section 2.4, Major Vapor Emission Response Plan.

## **2.4 Major Vapor Emission Response Plan**

If total organic vapor levels greater than 5 ppm over background are identified 200 ft. downwind from the work area or half the distance to the nearest residential or commercial structure, whichever is less, all work activities must be halted.

If, following the cessation of the work activities, or as the result of an emergency, total organic vapor levels greater than 5 ppm above background persist 200 ft. downwind or half the distance to the nearest residential or commercial structure, then the air quality must be monitored within 20 ft. of the perimeter of the nearest residential or commercial structure (20-foot zone).

If efforts to abate the emission source area are unsuccessful and if the organic vapor levels continue to persist at or near 5 ppm above background for more than 30 minutes in the 20-foot zone, then the Major Vapor Emission Response Plan shall automatically be placed into effect.

The Major Vapor Emission Response Plan shall also be immediately placed into effect if organic vapor levels are greater than 10 ppm above background at the 20-foot zone.

Upon activation, the following activities will be undertaken:

1. All Emergency Response Contacts as listed in the Health and Safety Plan will be contacted.
2. The local police authorities will immediately be contacted by the Safety Officer and advised of the situation. Evacuation or neighborhood notification plans can be discussed at that time.
3. Air monitoring will be conducted at 30-minute intervals within the 20-foot Zone. If two successive readings below action levels are measured, air monitoring may be halted or modified by the Safety Officer.

### **3.0 Record Keeping and Quality Control**

For the duration of the field activities, a monitoring log book will be kept to record calibration, operational notes and monitoring readings. All readings must be recorded and available for State review. Instantaneous readings, if any, used for decision purposes should also be recorded. The results of the Community Air Monitoring Program will be incorporated by Lu Engineers into required reports.

Instrumentation will be calibrated and/or operationally checked, either daily or at intervals recommended by the manufacturer. Only approved calibration gases will be used. All operators will have been trained in the proper use, maintenance, limitation, and interpretation of results of the monitoring equipment.

## **APPENDIX J – SITE-WIDE INSPECTION FORM**

The attached Site-wide inspection form will be completed during Site maintenance activities and provided to the NYSDEC in electronic format in accordance with the reporting requirements specified in Section 7.0 of this SMP. This form is subject to approval of the NYSDEC and includes the minimum reporting requirements as described in Section 7.0.

# SITE-WIDE INSPECTION FORM

Orchard-Whitney #E828123  
City of Rochester, Monroe County

NAME OF INSPECTOR: \_\_\_\_\_

COMPANY OF INSPECTOR: \_\_\_\_\_

DATE OF INSPECTION: \_\_\_\_\_

CURRENT USE OF SITE: \_\_\_\_\_

HAS A CHANGE OF USE OCCURRED SINCE THE LAST CERTIFICATION?

\_\_\_\_\_ YES \_\_\_\_\_ NO

IF YES, THEN EXPLAIN: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

GENERAL DESCRIPTION OF SITE CONTROLS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

HAS THE SITE COVER (CAP) BEEN COMPROMISED? \_\_\_\_\_ YES \_\_\_\_\_ NO

IF YES, THEN EXPLAIN: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

HAVE ANY STRUCTURES BEEN CONSTRUCTED ON THE SITE SINCE THE LAST INSPECTION?

\_\_\_\_\_ YES \_\_\_\_\_ NO

IF YES, THEN EXPLAIN: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

HAVE COVER CONDITIONS CHANGED SINCE THE LAST INSPECTION?

\_\_\_\_\_ YES \_\_\_\_\_ NO

IF YES, THEN EXPLAIN: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

IS ANY MAINTENANCE OF THE SITE CONTROLS REQUIRED?

\_\_\_\_\_ YES \_\_\_\_\_ NO

IF YES, THEN EXPLAIN: \_\_\_\_\_

\_\_\_\_\_

ADDITIONAL OBSERVATIONS, CONCLUSIONS OR RECOMMENDATIONS:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

ANY CHANGES TO THE SITE OR REQUIRED MAINTENANCE SHOULD BE  
MARKED IN THE CORRESPONDING LOCATION ON THE ATTACHED MAP





**EASEMENT DESCRIPTION:  
PARCEL B**

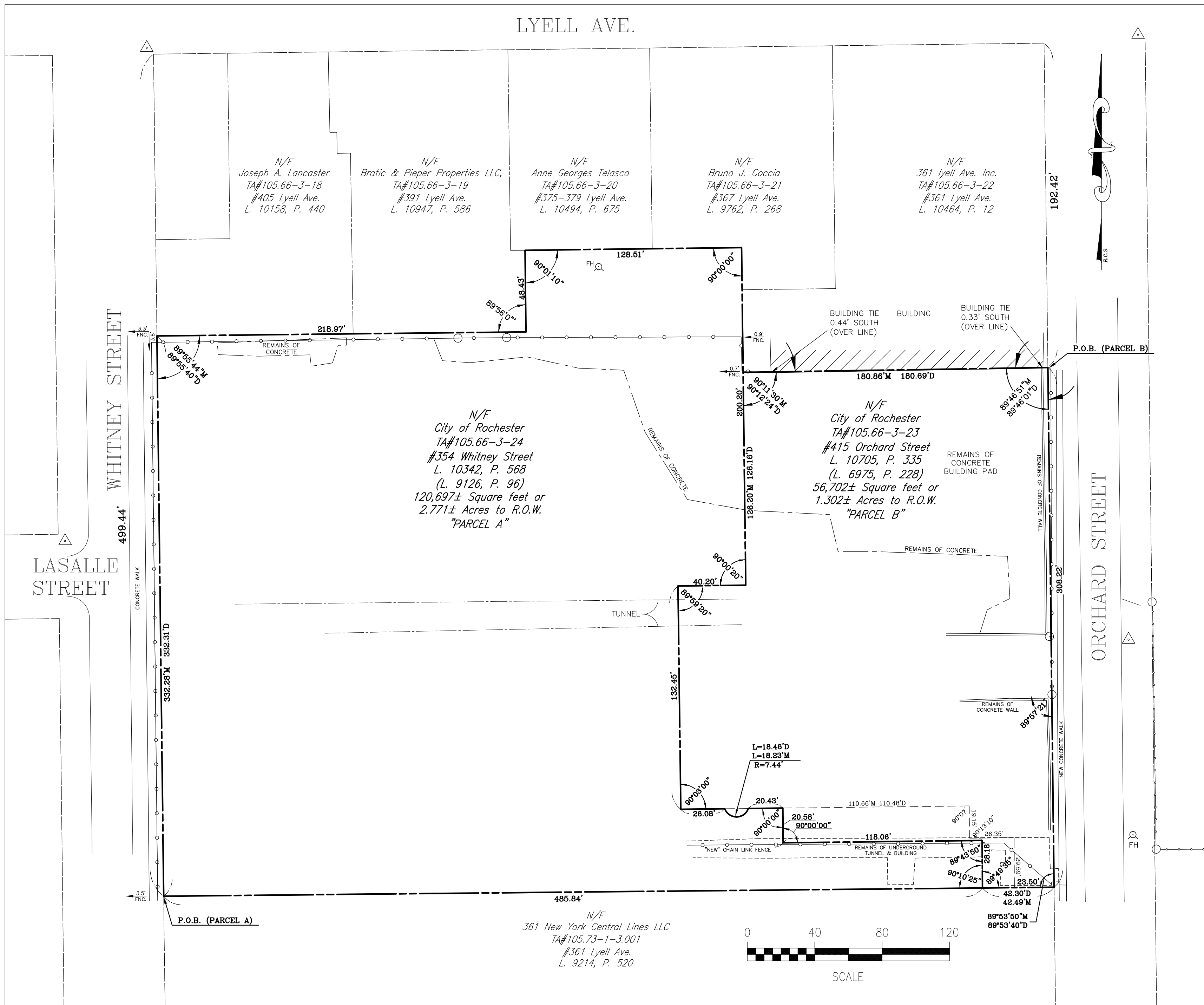
EASEMENT DESCRIPTION:

PARCEL B

ALL THAT TRACT OR PARCEL OF LAND SITUATE IN THE CITY OF ROCHESTER, COUNTY OF MONROE, STATE OF NEW YORK, BEING PART OF TOWN LOT 62, 20,000 ACRE TRACT, TOWNSHIP 1, SHORT RANGE, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE WEST LINE OF ORCHARD STREET 192.42 FEET DISTANT SOUTH OF THE INTERSECTION OF THE INTERSECTION OF LYELL AVENUE WITH THE WEST LINE OF ORCHARD STREET; RUNNING THENCE THE FOLLOWING BEARINGS AND DISTANCES: THENCE

- 1) SOUTH ALONG THE WEST LINE OF ORCHARD STREET A DISTANCE OF 308.22 FEET TO ITS INTERSECTION WITH THE NORTH LINE OF LANDS NOW OR FORMERLY OF THE NEW YORK CENTRAL RAILROAD; THENCE
- 2) WEST AT AN INTERIOR ANGLE WITH COURSE No. 1 OF 89°53'50" AND ALONG THE NORTH LINE OF SAID NEW YORK CENTRAL RAILROAD LANDS A DISTANCE OF 42.49 FEET TO A POINT; THENCE
- 3) NORTH AT AN INTERIOR ANGLE WITH COURSE No. 2 OF 89°49'35" A DISTANCE OF 28.18 FEET; THENCE
- 4) WEST AT AN INTERIOR ANGLE WITH COURSE No. 3 OF 270°16'10" A DISTANCE OF 118.06 FEET; THENCE
- 5) NORTH AT AN INTERIOR ANGLE WITH COURSE No. 4 OF 90°00'00" A DISTANCE OF 20.58 FEET; THENCE
- 6) WEST AT AN INTERIOR ANGLE WITH COURSE No. 5 OF 270°00'00" A DISTANCE OF 20.43 FEET; THENCE
- 7) NORTHWESTERLY ON A CURVE TO THE RIGHT, A DISTANCE OF 18.23 FEET ON A CURVE HAVING A RADIUS OF 7.44 FEET; THENCE
- 8) WEST AND A CONTINUATION OF COURSE No. 6 A DISTANCE OF 26.08 FEET; THENCE
- 9) NORTH AT AN INTERIOR ANGLE WITH COURSE No. 8 OF 90°03'00" A DISTANCE OF 132.45 FEET; THENCE
- 10) EAST AT AN INTERIOR ANGLE WITH COURSE No. 9 OF 89°59'20" A DISTANCE OF 40.20; THENCE
- 11) NORTH AT AN INTERIOR ANGLE WITH COURSE No. 10 OF 269°59'40" A DISTANCE OF 126.20 FEET; THENCE
- 12) EAST AT AN INTERIOR ANGLE WITH COURSE No. 11 OF 90°11'30" A DISTANCE OF 180.86 FEET TO THE PLACE OF BEGINNING, THE LAST COURSE MAKING AN INTERIOR ANGLE WITH THE FIRST COURSE OF 89°46'51" TO THE POINT OR PLACE OF BEGINNING.



**EASEMENT DESCRIPTION:  
PARCEL A**

ALL THAT TRACT OR PARCEL OF LAND SITUATE IN THE CITY OF ROCHESTER, COUNTY OF MONROE, STATE OF NEW YORK, BEING PART OF TOWN LOT 62, 20,000 ACRE TRACT, TOWNSHIP 1, SHORT RANGE, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

- 1) NORTHERLY ALONG THE EASTERLY LINE OF EASTERLY LINE OF WHITNEY STREET A DISTANCE OF 332.31 FEET TO A POINT; THENCE
- 2) EASTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 89°55'40" A DISTANCE OF 218.98 FEET TO A POINT; THENCE
- 3) NORTHERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 270°04'00" A DISTANCE OF 48.43 FEET TO A POINT; THENCE
- 4) EASTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 90°01'10" A DISTANCE OF 128.51 FEET TO A POINT; THENCE
- 5) SOUTHERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 90°00'00" A DISTANCE OF 200.20 FEET TO A POINT; THENCE
- 6) WESTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 90°00'20" A DISTANCE OF 40.20 FEET TO A POINT; THENCE
- 7) SOUTHERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 270°00'40" A DISTANCE 132.45 FEET TO A POINT; THENCE
- 8) EASTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 269°57'00" A DISTANCE OF 26.08 FEET TO A POINT; THENCE
- 9) SOUTHEASTERLY ON A CURVE TO THE LEFT, HAVING A RADIUS OF 7.44 FEET, A DISTANCE OF 18.46 FEET TO A POINT, SAID POINT BEING 14 FEET FROM THE END OF COURSE #8 EXTENDED; THENCE
- 10) EASTERLY ON THE LINE OF COURSE #8 EXTENDED, A DISTANCE OF 20.43 FEET TO A POINT; THENCE
- 11) SOUTHERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 90°00'00" A DISTANCE OF 20.58 FEET TO A POINT; THENCE
- 12) EASTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 270°00'00" A DISTANCE OF 118.06 FEET TO A POINT; THENCE
- 13) SOUTHERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 89°43'50" A DISTANCE OF 28.18 FEET TO A POINT; THENCE
- 14) WESTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 90°10'10" A DISTANCE OF 485.84 FEET TO THE POINT AND PLACE OF BEGINNING.

**LEGEND**

- APPROXIMATE RIGHT-OF-WAY
- EASEMENT BOUNDARIES
- EXISTING BUILDING
- EXISTING ADJOINING PROPERTY LINES
- CHAIN LINK FENCE
- △ SURVEY CONTROL POINT/MONUMENT
- FH FIRE HYDRANT

**Survey Notes & References:**

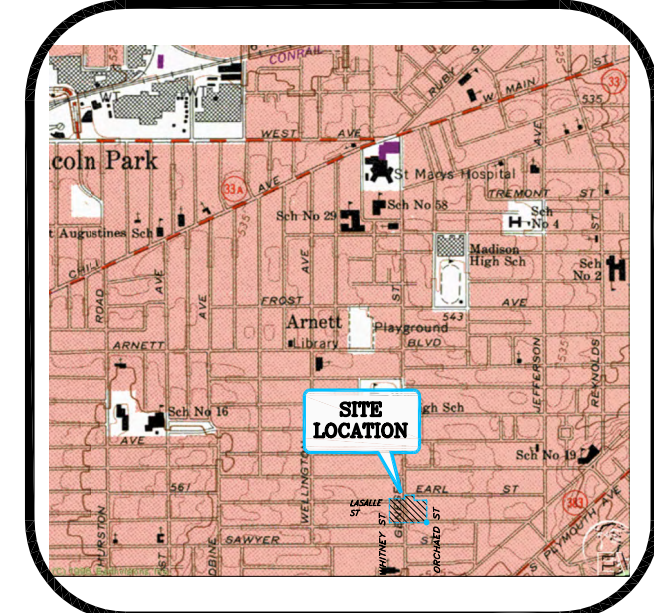
1. Horizontal Datum is NAD 1983.
2. Coordinates were supplied by City of Rochester Survey Office.
3. Vertical Datum is NAVD 1988 also supplied by City of Rochester Survey Office.
4. Distances shown herein are ground.
5. Deeds listed in Liber 10705, Page 335 recorded 01-05-09; Liber 10342, Page 568 recorded 08-17-06; Liber 10494, Page 675 recorded 07-30-07; Liber 9762, Page 268 recorded 03-27-03; Liber 10464, Page 12 recorded 05-23-07; Liber 10947, Page 586 recorded 12-02-10; Liber 10158, Page 440 recorded 07-22-05; Liber 9214, Page 520 recorded 09-16-99; Liber 9126, Page 96 recorded 02-19-99; Liber 6975, Page 228 recorded 09-16-86; Liber 9786, Page 105 recorded 05-16-03; Liber 7079, Page 98 recorded 03-10-87.
6. The last two recorded deeds for this parcel do not have a metes and bounds description.
7. There appears to be encumbrances that can not be plotted. These lie in Liber 4343 of Deeds Page 1 and Liber 5065 of Deeds Page 194.
8. There does not appear to be any restricted use zones or wetland areas delineated on this site at this time.

**CERTIFICATION:**

**WE, JOSEPH C. LU ENGINEERS AND LAND SURVEYING, P.C. CERTIFY THAT THIS SURVEY MAP WAS PREPARED ON DECEMBER 22, 2015 FROM NOTES OF A SURVEY COMPLETED ON DECEMBER 16, 2015.**

DANIEL J. MACDONALD, N.Y.S., P.L.S. 050613 DATE

*THE PROPERTY IS SUBJECT TO AN ENVIRONMENTAL EASEMENT HELD BY THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION PURSUANT TO TITLE 36 OF ARTICLE 71 OF THE NEW YORK ENVIRONMENTAL CONSERVATION LAW. THE ENGINEERING AND INSTITUTIONAL CONTROLS FOR THIS EASEMENT ARE SET FORTH IN MORE DETAIL IN THE SITE MANAGEMENT PLAN (SMP). A COPY OF THE SMP MUST BE OBTAINED BY ANY PARTY WITH AN INTEREST IN THE PROPERTY. THE SMP CAN BE OBTAINED FROM NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION, DIVISION OF ENVIRONMENTAL REMEDIATION, SITE CONTROL SECTION, 625 BROADWAY, ALBANY, NY 12233 OR AT [derweb@dec.ny.gov](mailto:derweb@dec.ny.gov)*



| DATE   | REVISIONS                      | BY |
|--------|--------------------------------|----|
| 8/2/16 | REVISED PARCEL "B" DESCRIPTION |    |
|        |                                |    |
|        |                                |    |
|        |                                |    |

**DRAWING ALTERATION**  
Note: It is a violation of law for any person, unless they are acting under the direction of a licensed professional engineer, architect, landscape architect or land surveyor to alter an item in any way. If an item bearing the stamp of a licensed professional is altered, the altering engineer, architect, landscape architect or land surveyor shall stamp the document and include the notation "altered by" followed by their signature, the date of such alteration, and a specific description of the alteration.

BY: \_\_\_\_\_  
DATE: \_\_\_\_\_

**Lu Engineers**  
ENVIRONMENTAL • TRANSPORTATION • CIVIL

339 East Ave., Suite 200  
Rochester, New York 14604  
(585) 385-7417  
Fax: (585) 546-1634  
[luengineers.com](http://luengineers.com)

PROJECT:  
415 ORCHARD STREET & 354 WHITNEY STREET  
ERP SITE #E828123  
CITY OF ROCHESTER, COUNTY OF MONROE STATE OF NEW YORK

CLIENT:  
CITY OF ROCHESTER  
ROCHESTER, NEW YORK

DRAWING TITLE:  
**SHOWING EASEMENT TO N.Y.S.D.E.C. PARCELS A & B**

|                 |                  |
|-----------------|------------------|
| DESIGNED BY: GA | SCALE: 1"=40'    |
| DRAWN BY: DJM   | DATE: 12-22-15   |
| CHECKED BY: AC  | PROJECT No. 4216 |
| SHEET 1 OF 1    | DRAWING No. SU-1 |

D:\Projects\2015\0000 - Rochester\021116 - Orchard Whitney\01 Implementation\Drawn\CAD\2116.dwg, 8/11/2016 8:56:37 AM, M:\msysop

**ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36  
OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW**

**THIS INDENTURE** made this 26<sup>th</sup> day of September, 2016, between Owner(s) City of Rochester, having an office at 30 Church Street, Rochester, New York 14614-1290, County of Monroe, State of New York (the "Grantor"), and The People of the State of New York (the "Grantee."), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

**WHEREAS**, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

**WHEREAS**, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

**WHEREAS**, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

**WHEREAS**, Grantor, is the owner of real property located at the address of 354 Whitney Street in the City of Rochester, County of Monroe and State of New York, known and designated on the tax map of the County Clerk of Monroe as tax map parcel numbers: Section 105.66 Block 3 Lot 24, being the same as that property conveyed to Grantor by deed dated August 15, 2006 and recorded in the Monroe County Clerk's Office in Liber and Page 10342/568. The property subject to this Environmental Easement (the "Controlled Property") comprises approximately 2.771 +/- acres, and is hereinafter more fully described in the Land Title Survey dated December 22, 2015 and last revised August 2, 2016 prepared by Daniel J. MacDonald, P.L.S., which will be attached to the Site Management Plan. The Controlled Property description is set forth in and attached hereto as Schedule A, and is identified as Parcel A;

**WHEREAS**, Grantor, is the owner of real property located at the address of 415 Orchard Street in the City of Rochester, County of Monroe and State of New York, known and designated on the tax map of the County Clerk of Monroe as tax map parcel numbers: Section 105.66 Block

3 Lot 23, being the same as that property conveyed to Grantor by deed dated December 29, 2008 and recorded in the Monroe County Clerk's Office in Liber and Page 10705/335. The property subject to this Environmental Easement (the "Controlled Property") comprises approximately 1.302 +/- acres, and is hereinafter more fully described in the Land Title Survey dated December 22, 2015 and last revised August 2, 2016 prepared by Daniel J. MacDonald, P.L.S., which will be attached to the Site Management Plan. The Controlled Property description is set forth in and attached hereto as Schedule A, and is identified as Parcel B; and

**WHEREAS**, the Department accepts this Environmental Easement in order to ensure the protection of public health and the environment and to achieve the requirements for remediation established for the Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36; and

**NOW THEREFORE**, in consideration of the mutual covenants contained herein and the terms and conditions of State Assistance Contract Number: C303000, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement").

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

A. (1) The Controlled Property may be used for:

**Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)**

(2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);

(3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP;

(4) The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Monroe County Department of Health to render it safe for use as drinking water or for industrial purposes, and

the user must first notify and obtain written approval to do so from the Department;

(5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(6) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

(7) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

(8) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

(9) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP;

(10) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The Controlled Property shall not be used for Residential or Restricted Residential purposes as defined in 6NYCRR 375-1.8(g)(2)(i) and (ii), and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Site Control Section  
Division of Environmental Remediation  
NYSDEC  
625 Broadway  
Albany, New York 12233  
Phone: (518) 402-9553

D. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

E. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the

property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

**This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation Law.**

F. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

G. Grantor covenants and agrees that it shall, at such time as NYSDEC may require, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individual set forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

(i) are in-place;

(ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved by the NYSDEC and that all controls are in the Department-approved format; and

(iii) that nothing has occurred that would impair the ability of such control to protect the public health and environment;

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls;

(5) the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and

(7) the information presented is accurate and complete.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:



Division of Environmental Remediation  
NYSDEC  
625 Broadway  
Albany, NY 12233

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. Any amendment to this Environmental Easement may only be executed by the Commissioner of the New York State Department of Environmental Conservation or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

**Remainder of Page Intentionally Left Blank**



IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

City of Rochester:

By: *Mark D. Gregor*

Print Name: MARK D GREGOR

Title: MANAGER DEQ Date: 9-13-16

**Grantor's Acknowledgment**

STATE OF NEW YORK )  
 ) ss:  
COUNTY OF Monroe )

On the 13<sup>th</sup> day of Sept, in the year 2016, before me, the undersigned, personally appeared Mark D. Gregor, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

*Vicki Brawn*  
Notary Public - State of New York

VICKI BRAWN  
Notary Public in the State of New York  
MONROE COUNTY  
Commission Expires August 18, 2018  
01BR486858

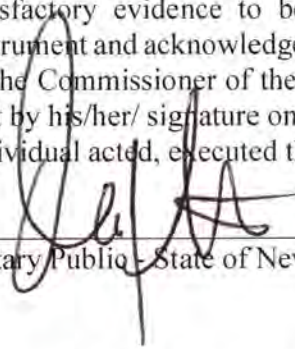
**THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK,** Acting By and Through the Department of Environmental Conservation as Designee of the Commissioner,

By:   
Robert W. Schick, Director  
Division of Environmental Remediation

**Grantee's Acknowledgment**

STATE OF NEW YORK     )  
                                          ) ss:  
COUNTY OF ALBANY     )

On the 26<sup>th</sup> day of September, in the year 2016, before me, the undersigned, personally appeared Robert W. Schick, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

  
Notary Public - State of New York

**David J. Chiusano**  
**Notary Public, State of New York**  
No. 01CH5032146  
Qualified in Schenectady County  
Commission Expires August 22, 2018

**SCHEDULE "A" PROPERTY DESCRIPTION**

**PARCEL A (354 WHITNEY STREET)**

ALL THAT TRACT OR PARCEL OF LAND SITUATE IN THE CITY OF ROCHESTER, COUNTY OF MONROE, STATE OF NEW YORK, BEING PART OF TOWN LOT 62, 20,000 ACRE TRACT, TOWNSHIP 1, SHORT RANGE, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT AN IRON PIN IN THE EASTERLY LINE OF WHITNEY STREET WHICH IRON PIN IS LOCATED 499.44 FEET SOUTH OF THE INTERSECTION OF THE EASTERLY LINE OF WHITNEY STREET WITH THE SOUTH LINE OF LYELL AVENUE; THENCE

- 1) NORTHERLY ALONG THE EASTERLY LINE OF WHITNEY STREET A DISTANCE OF 332.28 FEET TO A POINT; THENCE
- 2) EASTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 89°55'44" A DISTANCE OF 218.98 FEET TO A POINT; THENCE
- 3) NORTHERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 270°04'00" A DISTANCE OF 48.43 FEET TO A POINT; THENCE
- 4) EASTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 90°01'10" A DISTANCE OF 128.51 FEET TO A POINT; THENCE
- 5) SOUTHERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 90°00'00" A DISTANCE OF 200.20 FEET TO A POINT; THENCE
- 6) WESTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 90°00'20" A DISTANCE OF 40.20 FEET TO A POINT; THENCE
- 7) SOUTHERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 270°00'40" A DISTANCE 132.45 FEET TO A POINT; THENCE
- 8) EASTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 269°57'00" A DISTANCE OF 26.08 FEET TO A POINT; THENCE
- 9) SOUTHEASTERLY ON A CURVE TO THE LEFT, HAVING A RADIUS OF 7.44 FEET, A DISTANCE OF 18.46 FEET TO A POINT, SAID POINT BEING 14 FEET FROM THE END OF COURSE #8 EXTENDED; THENCE
- 10) EASTERLY ON THE LINE OF COURSE #8 EXTENDED, A DISTANCE OF 20.43 FEET TO A POINT; THENCE
- 11) SOUTHERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 90°00'00" A DISTANCE OF 20.58 FEET TO A POINT; THENCE
- 12) EASTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 270°00'00" A DISTANCE OF 118.06 FEET TO A POINT; THENCE
- 13) SOUTHERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 89°43'50" A DISTANCE OF 28.18 FEET TO A POINT; THENCE
- 14) WESTERLY AND MAKING AN INTERIOR ANGLE WITH THE LAST DESCRIBED COURSE OF 90°10'10" A DISTANCE OF 485.84 FEET TO THE POINT AND PLACE OF BEGINNING.

CONTAINING AN AREA OF APPROXIMATELY 120,697 SQUARE FEET OR 2.771 ACRES MORE OR LESS.

**PARCEL B (415 ORCHARD STREET)**

ALL THAT TRACT OR PARCEL OF LAND SITUATE IN THE CITY OF ROCHESTER, COUNTY OF MONROE, STATE OF NEW YORK, BEING PART OF TOWN LOT 62, 20,000 ACRE TRACT, TOWNSHIP 1, SHORT RANGE, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE WEST LINE OF ORCHARD STREET 192.42 FEET DISTANT SOUTH OF THE INTERSECTION OF THE INTERSECTION OF LYELL AVENUE WITH THE WEST LINE OF ORCHARD STREET; RUNNING THENCE THE FOLLOWING BEARINGS AND DISTANCES: THENCE

- 1) SOUTH ALONG THE WEST LINE OF ORCHARD STREET A DISTANCE OF 308.22 FEET TO ITS INTERSECTION WITH THE NORTH LINE OF LANDS NOW OR FORMERLY OF THE NEW YORK CENTRAL RAILROAD; THENCE
- 2) WEST AT AN INTERIOR ANGLE WITH COURSE No. 1 OF  $89^{\circ}53'50''$  AND ALONG THE NORTH LINE OF SAID NEW YORK CENTRAL RAILROAD LANDS A DISTANCE OF 42.49 FEET TO A POINT; THENCE
- 3) NORTH AT AN INTERIOR ANGLE WITH COURSE No. 2 OF  $89^{\circ}49'35''$  A DISTANCE OF 28.18 FEET; THENCE
- 4) WEST AT AN INTERIOR ANGLE WITH COURSE No. 3 OF  $270^{\circ}16'10''$  A DISTANCE OF 118.06 FEET; THENCE
- 5) NORTH AT AN INTERIOR ANGLE WITH COURSE No. 4 OF  $90^{\circ}00'00''$  A DISTANCE OF 20.58 FEET; THENCE
- 6) WEST AT AN INTERIOR ANGLE WITH COURSE No. 5 OF  $270^{\circ}00'00''$  A DISTANCE OF 20.43 FEET; THENCE
- 7) NORTHWESTERLY ON A CURVE TO THE RIGHT, A DISTANCE OF 18.23 FEET ON A CURVE HAVING A RADIUS OF 7.44 FEET; THENCE
- 8) WEST AND A CONTINUATION OF COURSE No. 6 A DISTANCE OF 26.08 FEET; THENCE
- 9) NORTH AT AN INTERIOR ANGLE WITH COURSE No. 8 OF  $90^{\circ}03'00''$  A DISTANCE OF 132.45 FEET; THENCE
- 10) EAST AT AN INTERIOR ANGLE WITH COURSE No. 9 OF  $89^{\circ}59'20''$  A DISTANCE OF 40.20; THENCE
- 11) NORTH AT AN INTERIOR ANGLE WITH COURSE No. 10 OF  $269^{\circ}59'40''$  A DISTANCE OF 126.20 FEET; THENCE
- 12) EAST AT AN INTERIOR ANGLE WITH COURSE No. 11 OF  $90^{\circ}11'30''$  A DISTANCE OF 180.86 FEET TO THE PLACE OF THE BEGINNING. THE LAST COURSE MAKING AN INTERIOR ANGLE WITH THE FIRST COURSE OF  $89^{\circ}46'51''$  TO THE POINT OR PLACE OF BEGINNING.

CONTAINING AN AREA OF APPROXIMATELY 56,702 SQUARE FEET OR 1.302 ACRES MORE OR LESS.



144

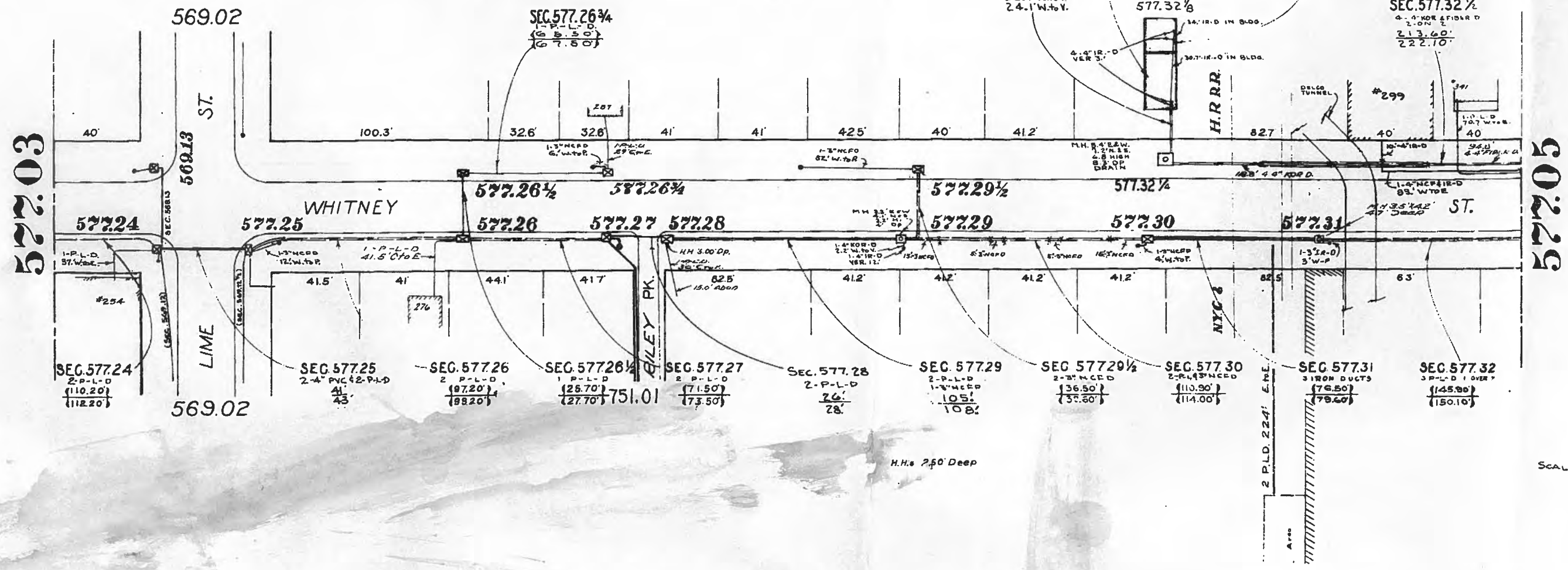
YOUR ATTENTION IS SPECIFICALLY TO THE FACT THAT BY SUBMITTING THESE DRAWINGS THE ROCHESTER GAS AND ELECTRIC CORPORATION UNDER NO CIRCUMSTANCES GUARANTEES THE ACCURACY OF THE LOCATIONS OF GAS OR ELECTRIC, SHOWN ON THESE DRAWINGS. IT IS ALSO IMPERATIVE THAT ANY MAPS PREPARED FROM THIS INFORMATION MUST CONTAIN A SPECIFIC NOTATION STATING THAT ALL LOCATIONS OF THIS CORPORATION'S FACILITIES ARE APPROXIMATE AND MUST BE VERIFIED IN THE FIELD BEFORE ANY DIGGING COMMENCES.

JAMES ALEXANDER (585) 771-4877

WHITNEY ST.

577.04

REVISED 1-19-2000



577.03

577.05

M.H.s 2.50' Deep

SCALE: 1"=30'

YOUR ATTENTION IS SPECIFICALLY TO THE FACT THAT BY SUBMITTING THESE DRAWINGS, THE ROCHESTER GAS AND ELECTRIC CORPORATION UNDER NO CIRCUMSTANCES GUARANTEES THE ACCURACY OF THE LOCATIONS OF GAS OR ELECTRIC SHOWN ON THESE DRAWINGS. IT IS ALSO IMPERATIVE THAT ANY MAPS PREPARED FROM THIS INFORMATION MUST CONTAIN A SPECIFIC NOTATION STATING THAT ALL LOCATIONS OF THIS CORPORATION'S FACILITIES ARE APPROXIMATE AND MUST BE VERIFIED IN THE FIELD BEFORE ANY DIGGING COMMENCES.

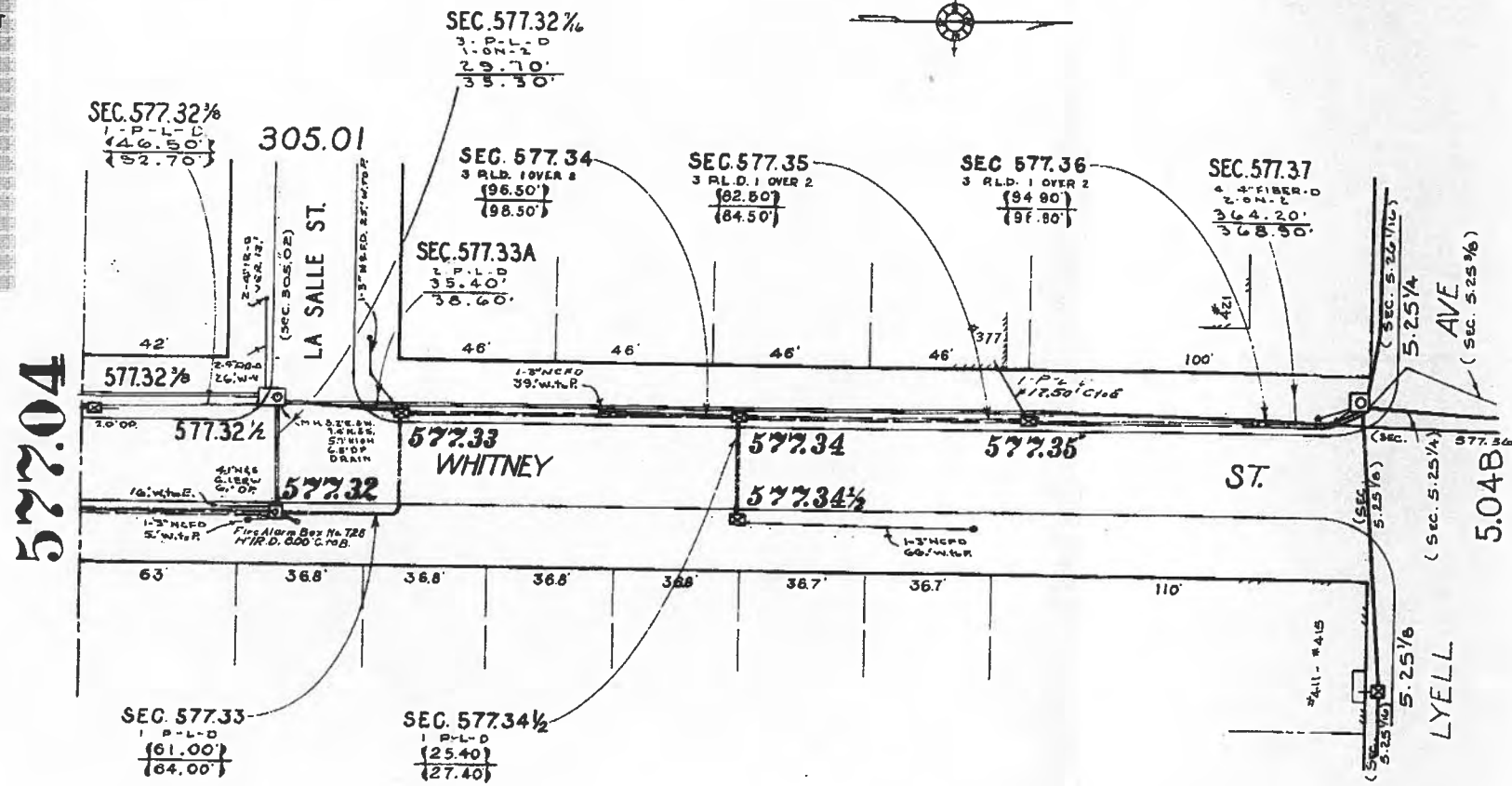
JAMES ALEXANDER (585) 771-4877

TIF3

WHITNEY ST.

577.05

REVISED - 5/1/2008



57204

(SPECIALIZED WAREHOUSE)  
#350 WHITNEY ST.  
(STA. #703)  
SEE MAP: #5.04A

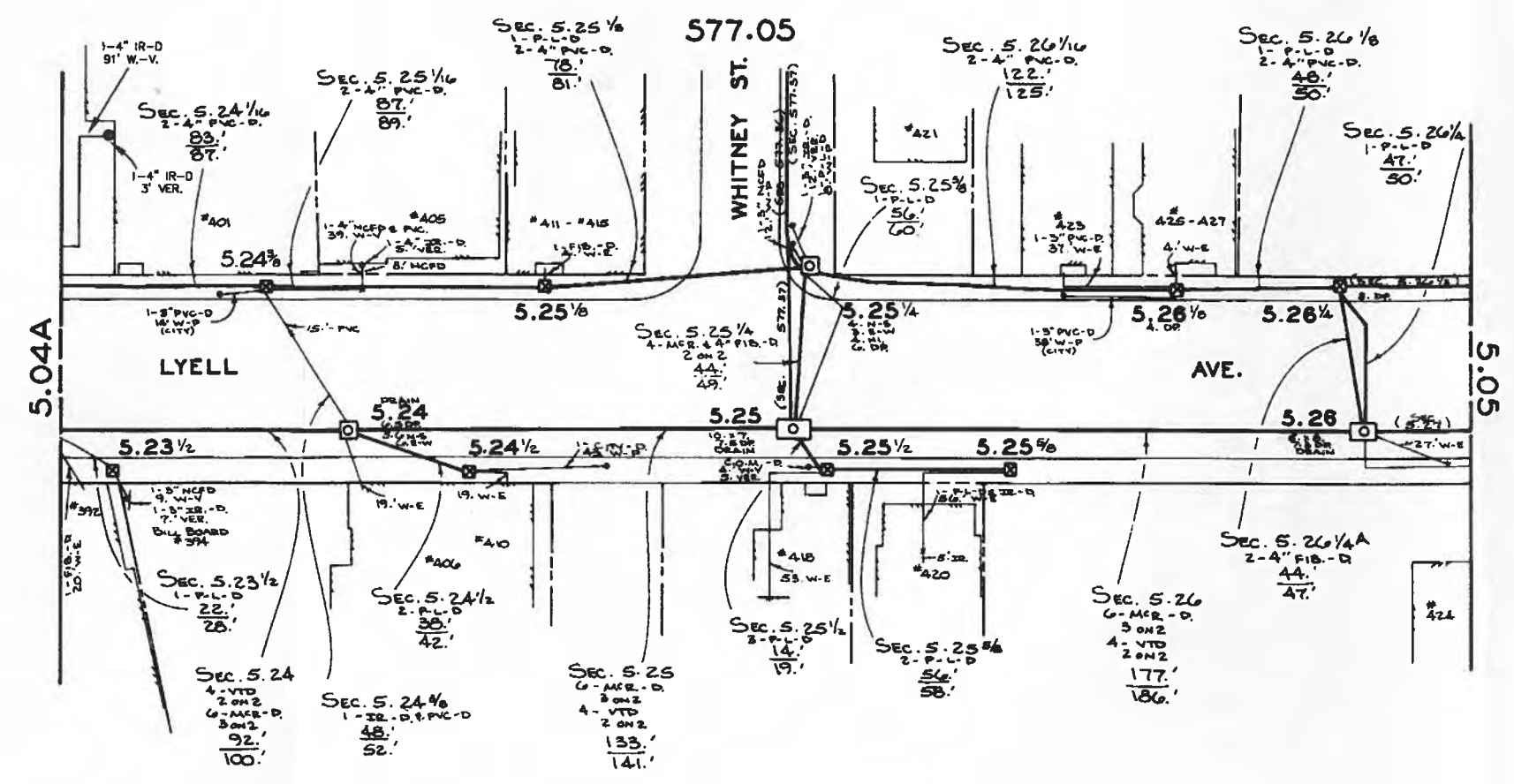
M.H.s 250 Deep

1172



YOUR ATTENTION IS SPECIFICALLY TO THE FACT THAT BY SUBMITTING THESE DRAWINGS, THE ROCHESTER GAS AND ELECTRIC CORPORATION UNDER NO CIRCUMSTANCES GUARANTEES THE ACCURACY OF THE LOCATIONS OF GAS OR ELECTRIC SHOWN ON THESE DRAWINGS. IT IS ALSO IMPERATIVE THAT ANY MAPS PREPARED FROM THIS INFORMATION MUST CONTAIN A SPECIFIC NOTATION STATING THAT ALL LOCATIONS OF THIS CORPORATION'S FACILITIES ARE APPROXIMATE AND MUST BE VERIFIED IN THE FIELD BEFORE ANY DIGGING COMMENCES.

JAMES ALEXANDER (585) 771-4877



SCALE 1"=30'  
3/20/06  
K.T.T.



Tiff 1

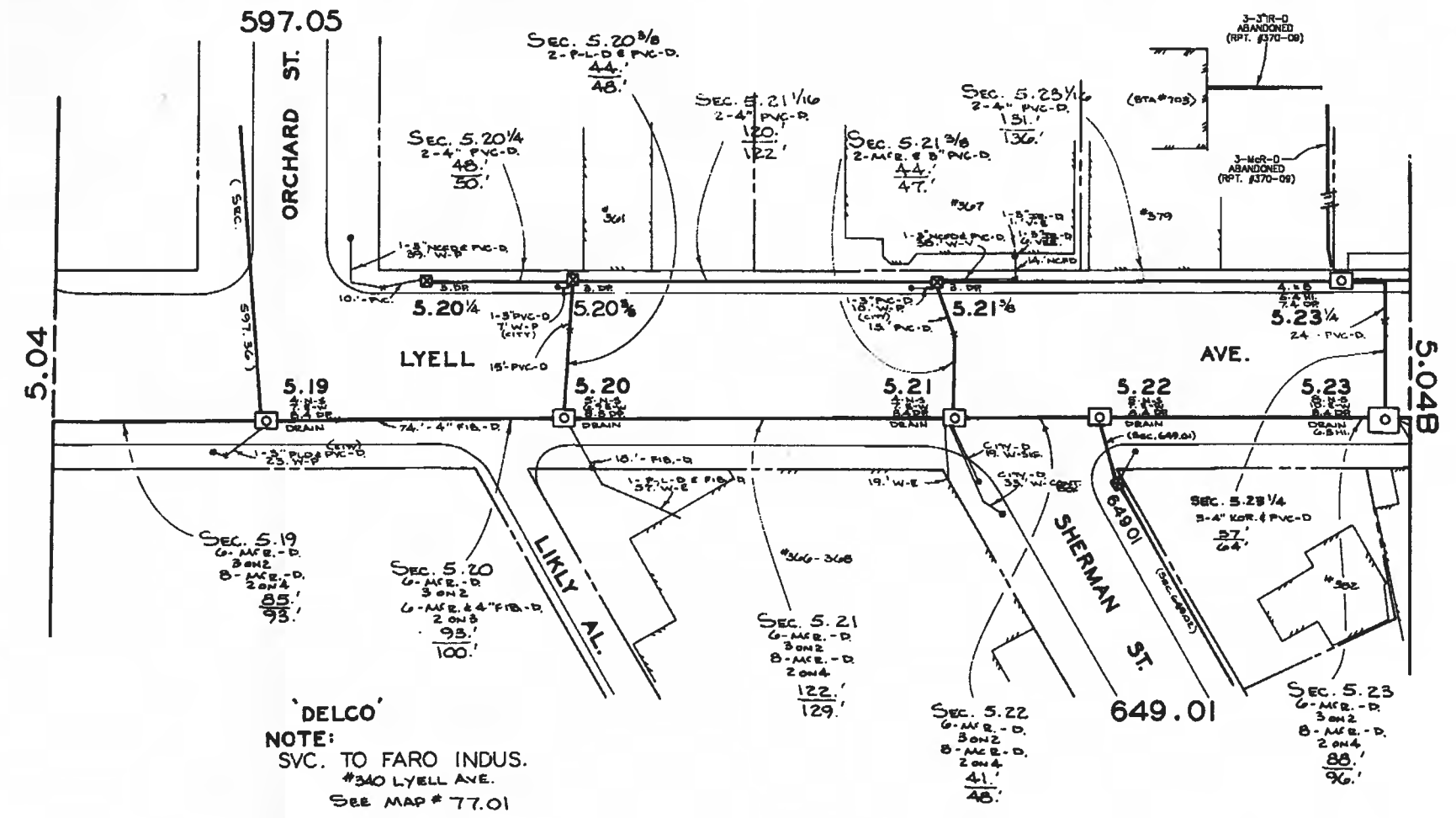
LYELL AVE. 5.04A

REVISED  
3/16/10



YOUR ATTENTION IS SPECIFICALLY TO THE FACT THAT BY SUBMITTING THESE DRAWINGS, THE ROCHESTER GAS AND ELECTRIC CORPORATION UNDER NO CIRCUMSTANCES GUARANTEES THE ACCURACY OF THE LOCATIONS OF GAS OR ELECTRIC, SHOWN ON THESE DRAWINGS. IT IS ALSO IMPERATIVE THAT ANY MAPS PREPARED FROM THIS INFORMATION MUST CONTAIN A SPECIFIC NOTATION STATING THAT ALL LOCATIONS OF THIS CORPORATION'S FACILITIES ARE APPROXIMATE AND MUST BE VERIFIED IN THE FIELD BEFORE ANY DIGGING COMMENCES.

JAMES ALEXANDER (585) 771-4877



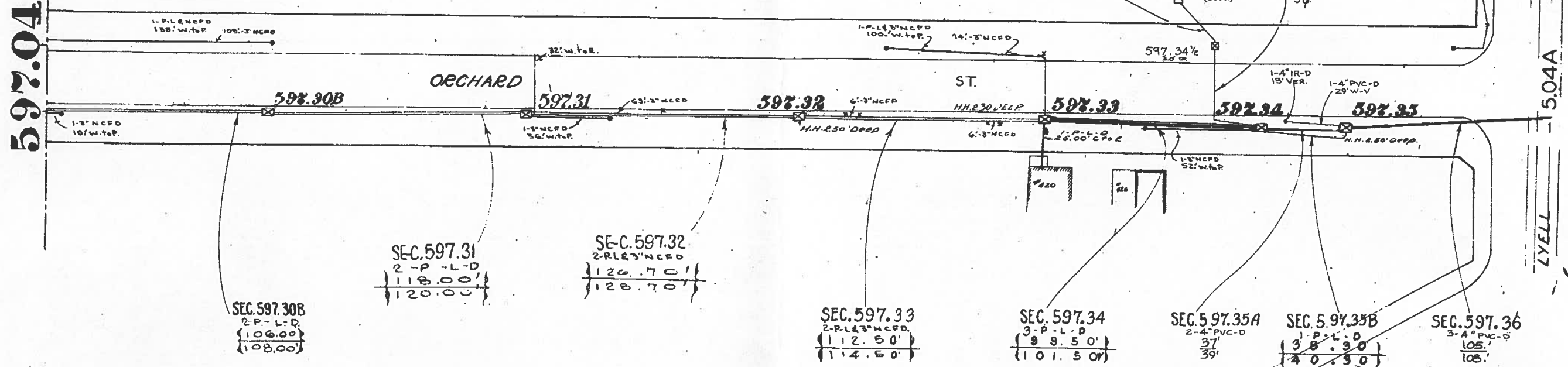
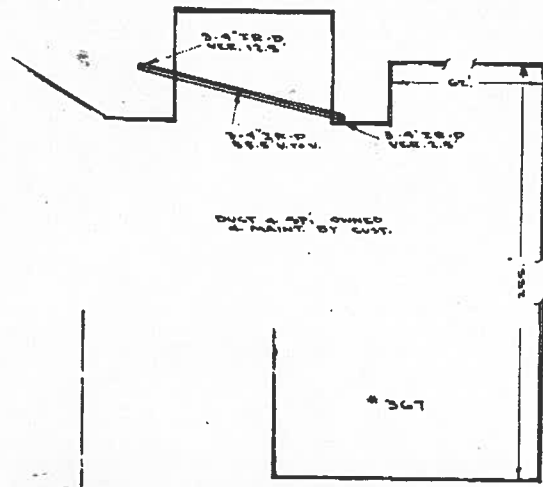
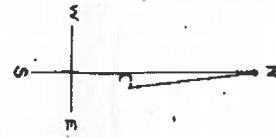
'DELCO'  
NOTE:  
SVC. TO FARO INDUS.  
#340 LYELL AVE.  
SEE MAP # 77.01

SCALE 1"=30'  
3/20/86  
K.T.

# ORCHARD ST. 597.05

REVISED-  
8/23/50

YOUR ATTENTION IS SPECIFICALLY TO THE FACT THAT BY SUBMITTING THESE DRAWINGS THE ROCHESTER GAS AND ELECTRIC CORPORATION UNDER NO CIRCUMSTANCES GUARANTEES THE ACCURACY OF THE LOCATIONS OF GAS OR ELECTRIC SHOWN ON THESE DRAWINGS. IT IS ALSO IMPERATIVE THAT ANY MAPS PREPARED FROM THIS INFORMATION MUST CONTAIN A SPECIFIC NOTATION STATING THAT ALL LOCATIONS OF THIS CORPORATION'S FACILITIES ARE APPROXIMATE AND MUST BE VERIFIED IN THE FIELD BEFORE ANY DIGGING COMMENCES.  
JAMES ALEXANDER (585) 771-4877



SEC. 597.30B  
2-P-L-D  
{ 106.00 }  
{ 108.00 }

SEC. 597.31  
2-P-L-D  
{ 118.00 }  
{ 120.00 }

SE-C. 597.32  
2-P-L-D  
{ 126.70 }  
{ 128.70 }

SEC. 597.33  
2-P-L-D  
{ 112.50 }  
{ 114.50 }

SEC. 597.34  
3-P-L-D  
{ 98.50 }  
{ 101.50 }

SEC. 597.35A  
2-4\"/>

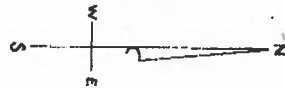
SEC. 597.35B  
1-P-L-D  
{ 38.30 }  
{ 40.30 }

SEC. 597.36  
3-4\"/>

Note: ALL H.H.'s 2.50' DEEP UNLESS OTHERWISE SHOWN

YOUR ATTENTION IS SPECIFICALLY TO THE FACT THAT BY SUBMITTING THESE DRAWINGS THE ROCHESTER GAS AND ELECTRIC CORPORATION UNDER NO CIRCUMSTANCES GUARANTEES THE ACCURACY OF THE LOCATIONS OF GAS OR ELECTRIC SHOWN ON THESE DRAWINGS. IT IS ALSO IMPERATIVE THAT ANY MAPS PREPARED FROM THIS INFORMATION MUST CONTAIN A SPECIFIC NOTATION STATING THAT ALL LOCATIONS OF THIS CORPORATION'S FACILITIES ARE APPROXIMATE AND MUST BE VERIFIED IN THE FIELD BEFORE ANY DIGGING COMMENCES.

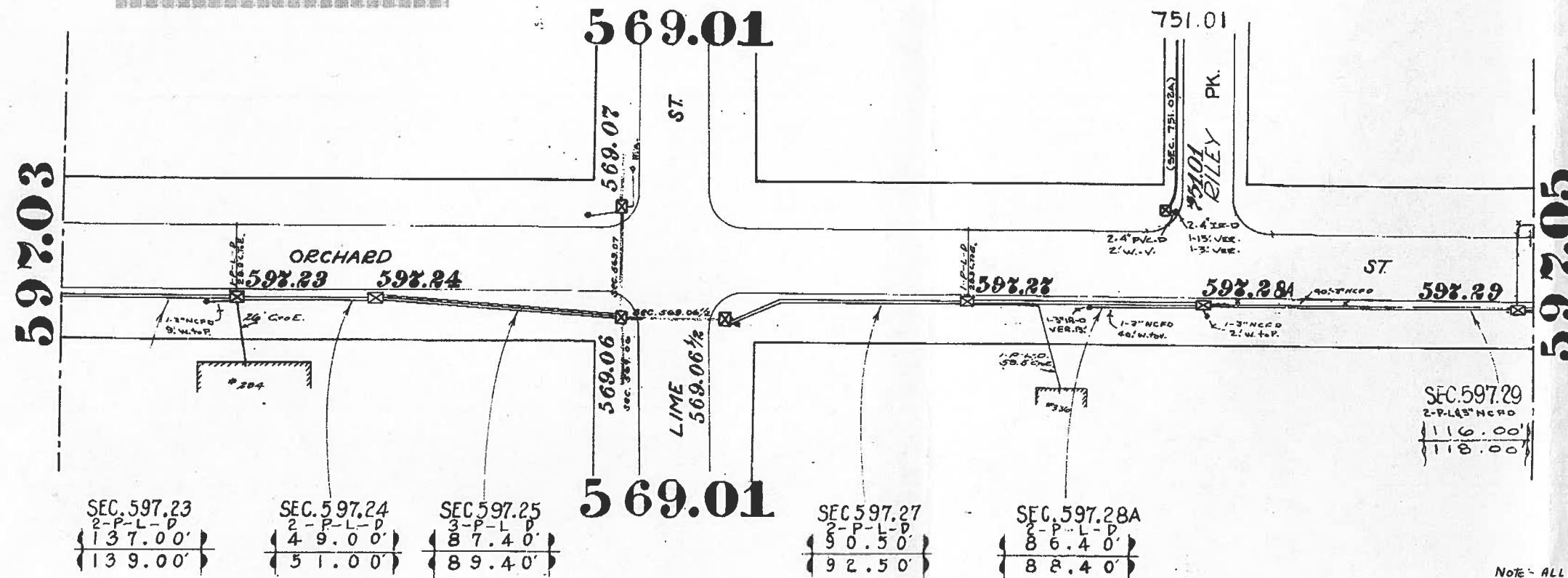
JAMES ALEXANDER (585) 771-4877



ORCHARD ST.

597.04

REVISED - 1-3-2000



NOTE - ALL H.H.'S 2.50' DEEP UNLESS OTHERWISE SHOWN.

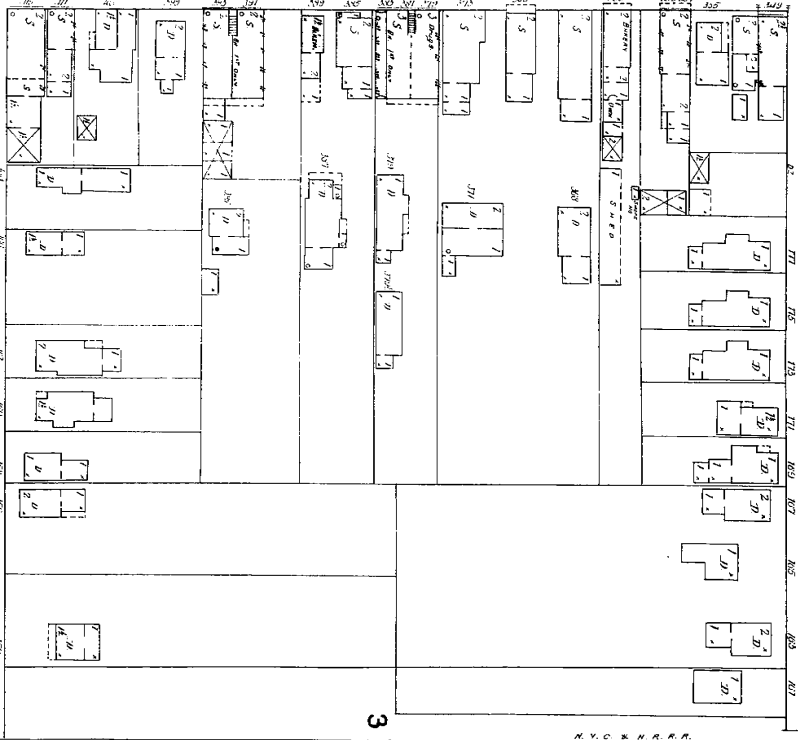


# 1892 Map

LYELL AVE.

280

274



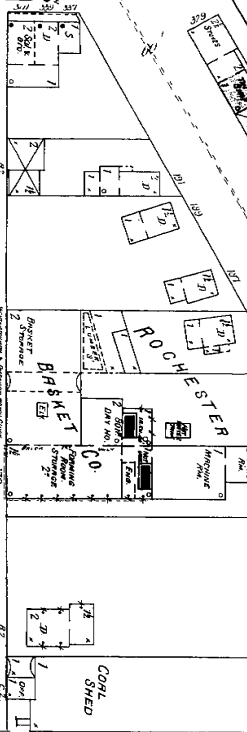
ORCHARD

WHITNEY

272

3

N. Y. C. & N. H. R. R.

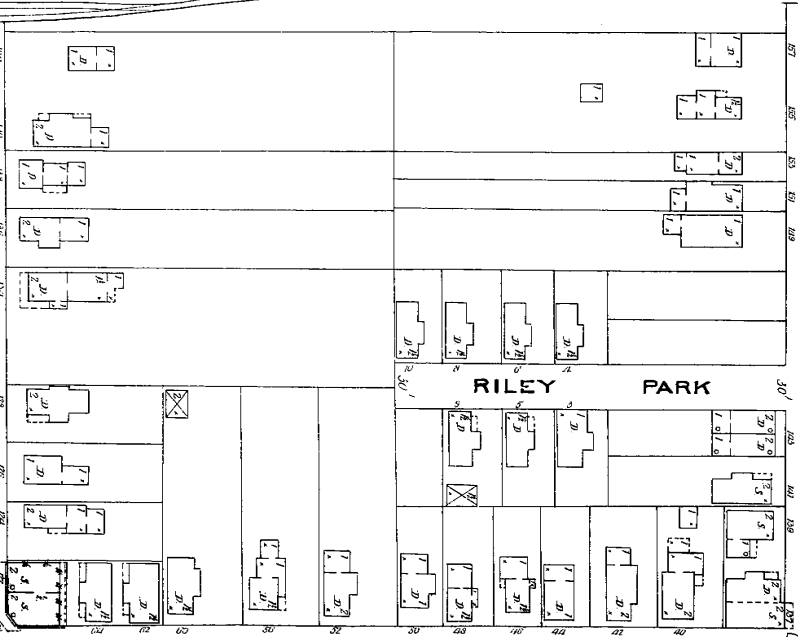


ROCHESTER

COAL SHED

LIME

266



RILEY PARK

Scale of Feet



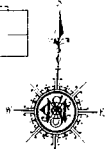
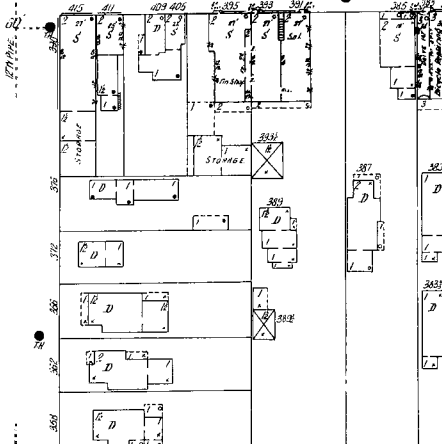
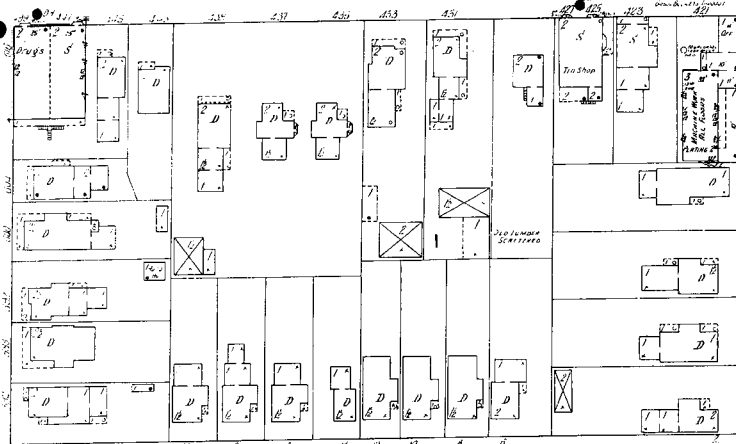
# 1912 Map

ALICE ST.

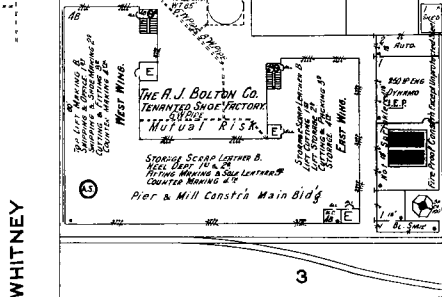
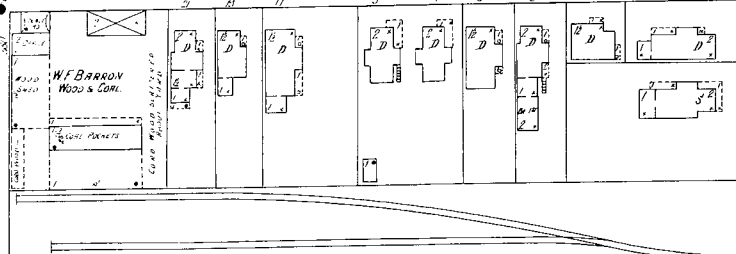
LYELL AV.

DEFINITE MACHINE CO

STURGEON ST.



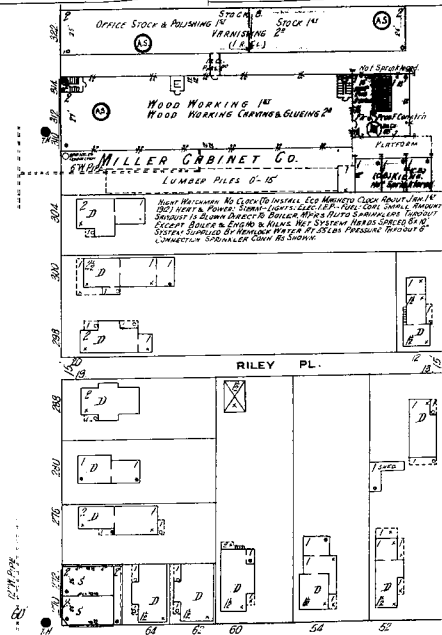
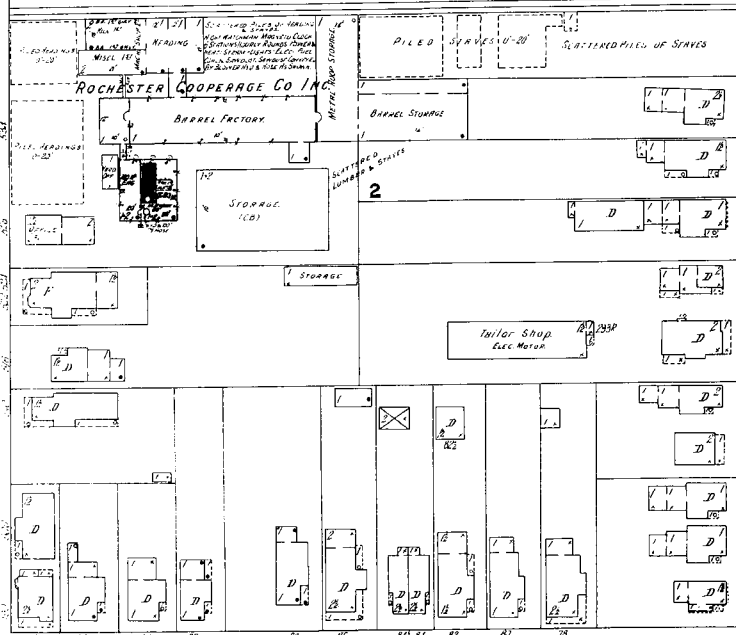
LASALLE (FLYNN)



CHILD

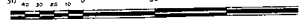
WHITNEY

N. Y. E. LINES (WABCOE FERRY BOAT)



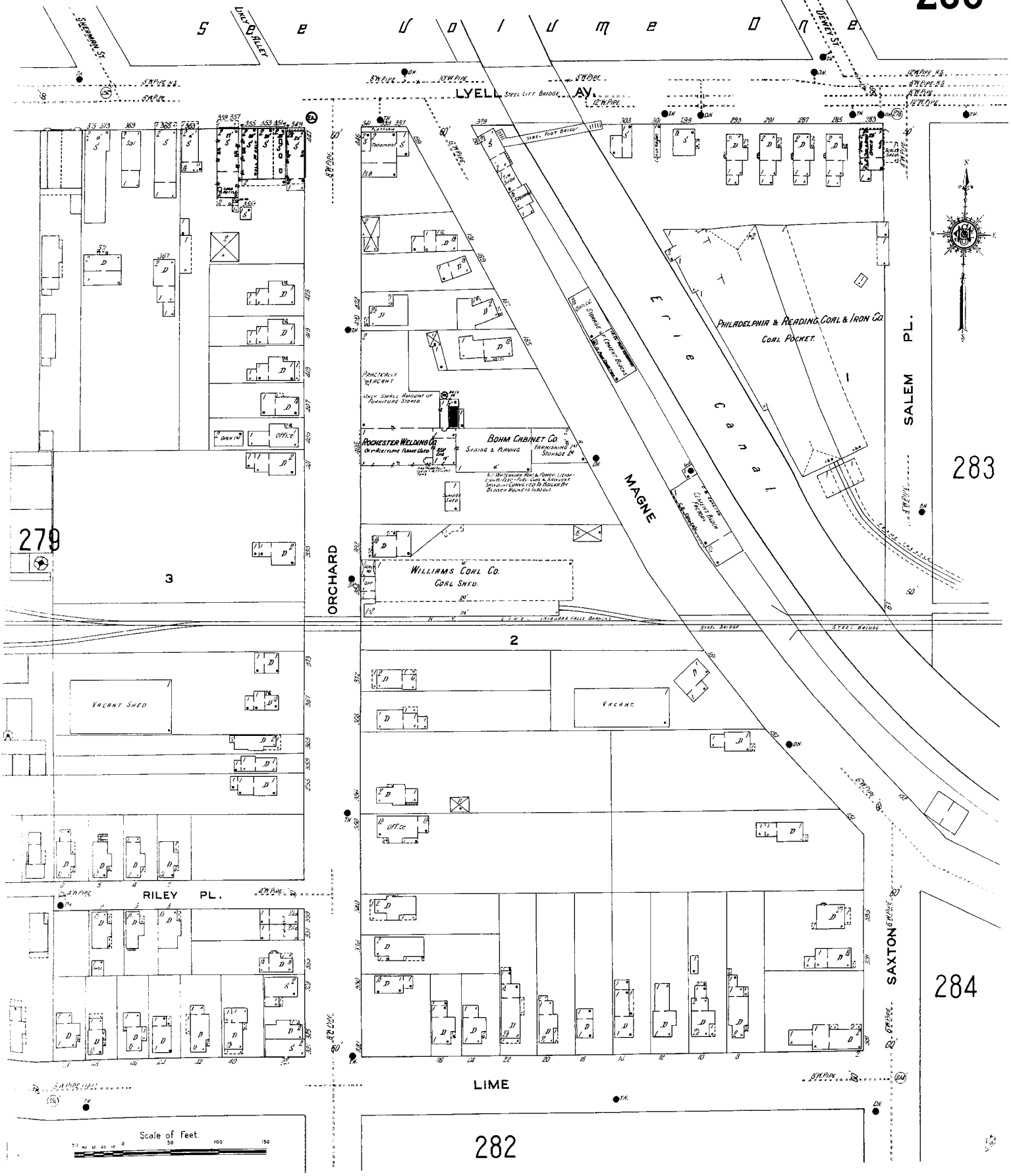
LIME

Scale of Feet.



MINGETH ST.





# 1950 Map

279

NY 10014

S E E

U D I U M E

D R E

LYELL AV.

LASALLE (FLYNN)

277

CHILD

WHITNEY

280

DELCO APPLIANCE DIVN. GENERAL MOTORS CORPN.

Resistance & Information Refused  
MACHINE SHOP & FOUNDRY  
ASB. CL. STEEL FRAME

LIME

281

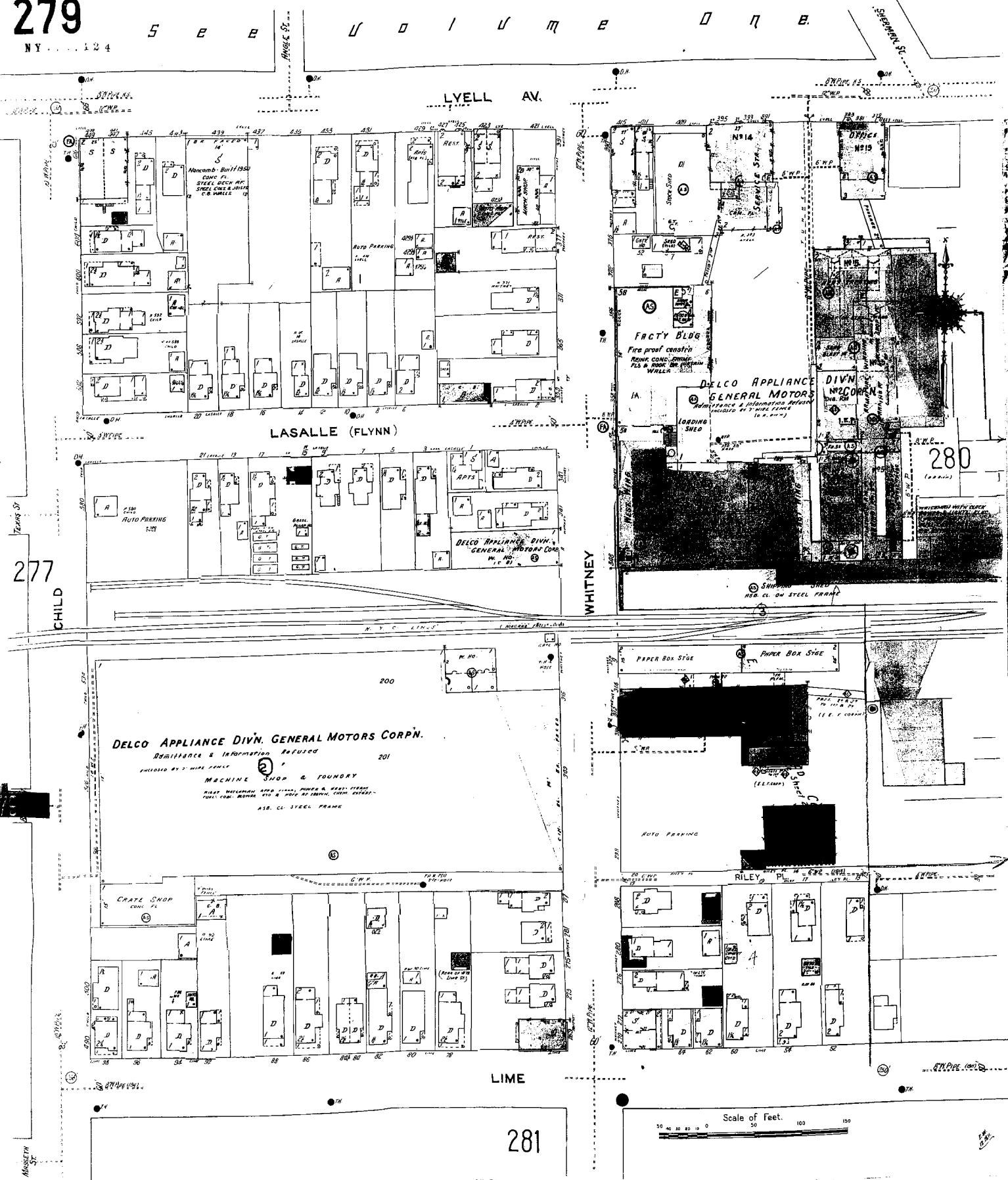
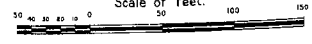
PAPER BOX STGE

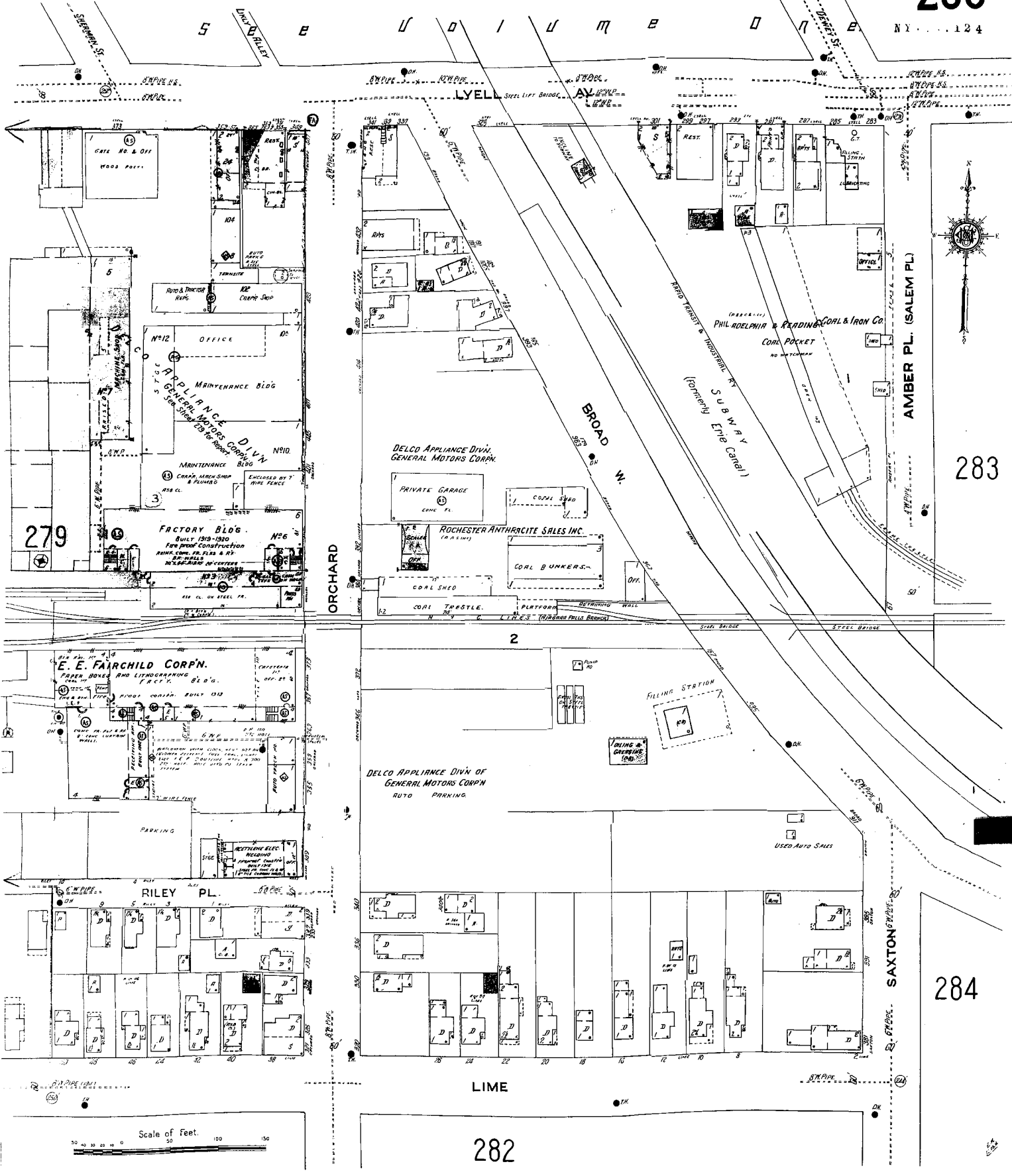
PAPER BOX STGE

AUTO PARKING

RILEY

Scale of Feet.







90B John Muir Drive, Suite 104  
Amherst, New York 14228  
(716) 565-0624 • Fax (716) 565-0625



August 5, 2005

Charles Guzzetta  
Empire Geo-Services, Inc.  
535 Summit Point Drive  
Henrietta, New York 14467

Subject: Geophysical Survey Results, 354 Whitney St, Rochester, NY

Dear Mr. Guzzetta

## **1.0 INTRODUCTION**

This letter report presents the results of the geophysical investigation performed for SJB Services in support of their environmental investigation of portions of a former GE facility at 354 Whitney St. located in Rochester, NY.

The geophysical investigation was designed to geophysically characterize the subsurface and focus a follow-up intrusive investigation. The information provided herein is intended to assist SJB with their assessment of potential environmental concerns at the Site. The specific objective of the investigation was to explore for large underground conduits that may act as preferential pathways for contaminant migration.

A geophysical investigation was performed at the Site utilizing frequency domain (EM31), and time-domain (EM61) electromagnetic techniques. Geomatrix Consultants, Inc. (Geomatrix) performed data acquisition on July 14, 2005.

## **2.0 METHODOLOGY**

The following sections present the geophysical methodology utilized for this investigation.

### **2.1 Reference Grid**

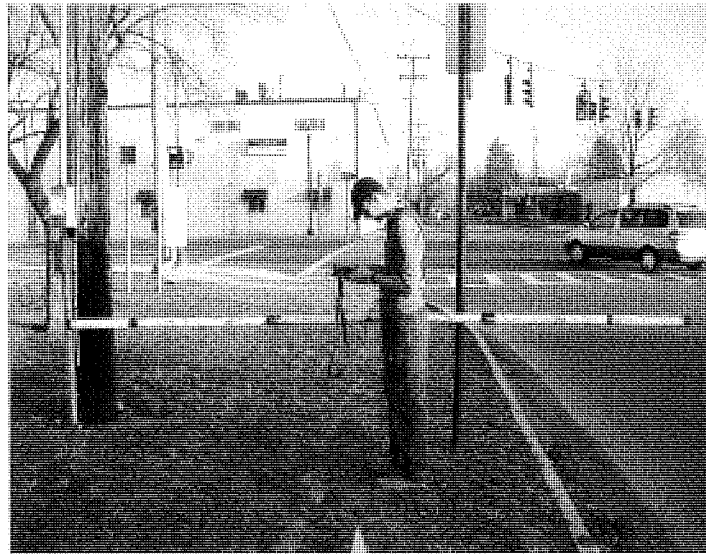
A reference grid was installed by Geomatrix personnel to facilitate data acquisition along lines spaced 5 feet apart for the EM61 and 10 feet apart for the EM31. Reference grids utilized separate and distinct coordinate systems. The EM61 survey was performed using a local

Page 2

coordinate system established for the site. The EM31 survey utilized a differential GPS system and the coordinates are based on the WGS 84 datum.

## 2.2 Electromagnetic EM31 Survey Methodology

A Geonics EM31 Terrain Conductivity meter was used to measure and record the quadrature component (ground conductivity) and the inphase component of the EM field along the survey lines. The quadrature component of the EM field is a measurement of the apparent ground conductivity. The inphase component of the EM field is sensitive to metallic objects. Comparison of the quadrature component of the EM field data (expressed in units of milliSiemens per meter (mS/m)) and the inphase component data (expressed in units



**EM31 in use (photo not from this site)**

of parts per thousand (ppt)) results in increased anomaly definition. The character of the EM response, low or high, is partially dependent on the orientation of the buried target relative to the orientation of the EM31 device during data acquisition, and the survey direction. A buried metal pipe, for example, will exhibit a high valued response when the trend of the pipe is parallel to the survey direction. Alternatively, when a survey line crosses a buried metal pipe whose trend is perpendicular to the survey direction, it is characterized by a low response. Similarly, other complex buried metal anomalies are indicated by a coupling of a high and low response.

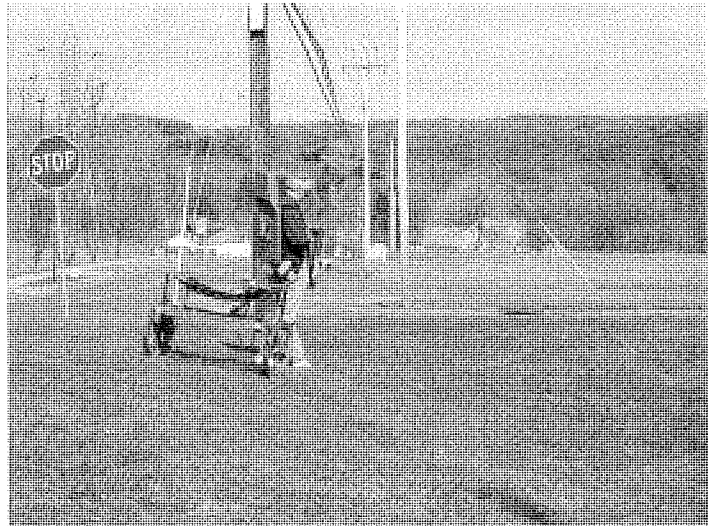
All readings were taken with the instrument oriented parallel to the direction of travel, in the vertical dipole mode and with the instrument at waist height. The depth of penetration with the instrument in this configuration is approximately 12 to 15 feet below ground surface. Data were collected and stored in a solid state memory data logger during the survey. The data logger was interfaced to a portable computer and the data were transferred to a floppy disk for subsequent processing and interpretation. A survey base station was established on-site and

was revisited throughout the survey to check for instrument drift and malfunction. No significant drift or malfunction was observed.

The terrain conductivity and inphase data were initially edited and then plotted as profile lines for interpretation. Contour maps of the data were then constructed and utilized for final interpretation. The geophysical data are presented in final form as a series of color contour maps. The color maps allow for an illustration of detected anomalies that are associated with conductive materials such as buried metals, wastes, fill, utilities, and changes in soil texture and/or moisture content.

### 2.3 Electromagnetic EM61 Survey Methodology

Portions of both sites were geophysically surveyed using the Geonics EM61. The EM61 unit is a high sensitivity, high resolution time domain electromagnetic (TDEM) metal detector that can detect both ferrous and nonferrous metallic objects. It has an approximate investigation depth of 10 feet. The processing console is contained in a backpack worn by the operator which is interfaced to a digital data logger. The transmitter and two receiver coils are located on a two-wheeled cart that is pulled by the operator.



**EM61 in use (photo not from this site)**

The device's transmitter coil generates a pulsed primary EM field at a rate of 150 pulses per second, inducing eddy currents into the subsurface. The decay rates of these eddy currents are measured by two, 3.28 foot by 1.64 foot (1 meter by ½ meter) rectangular receiver coils. By taking the measurements at a relatively long time frame after termination of the primary pulse, the response is practically independent of the survey area's terrain conductivity. Specifically, the decay rates of the eddy currents are much longer for metals than for normal soils allowing the discrimination of the two.



Data are collected from the EM61's two receiver coils. One of the receiver coils is located coincident to the transmitter coil. The other receiver coil is located 1.31 feet (0.4 meters) above the transmitter coil. Data from the top receiver coil are stored on Channel 1 of a digital data logger. Data from the bottom receiver coil are stored on Channel 2 of the data logger. Channel 1 and Channel 2 data are simultaneously recorded at each station location. The instrument responses are recorded in units of milliVolts (mV). Data were recorded digitally by a data logger at a rate of approximately 2 measurements per foot along the survey lines which were spaced 5 feet apart.

### **3.0 RESULTS**

The following sections present the results from the geophysical investigation.

The geophysical conductivity and inphase data from the EM31 and EM61 surveys are presented as a series of color contour maps in Figures 1 through 3. Actual data measurement points are superimposed on the maps and are shown as closely spaced tick marks.

#### **3.1 EM31 Results**

Terrain Conductivity data for the site is shown in Figure 1. Conductivity values at the site were observed to range from below 0 mS/m to over 100 mS/m. This variation in conductivity may be related to any one or combination of the following conditions:

- A change in soil/fill type. For example, an increase in relative clay content may increase the measured conductivity;
- A change in soil moisture. Moisture content would be expected to increase in areas of low topographic elevation as more saturated sediments lie within the depth of investigation of the EM instrument;
- A change in pore fluid specific conductance. For example, the presence of salt-impacted water within the pore space of the shallow soil will increase the measured conductivity primarily due to the presence of chloride ions; or
- Interference from surface metallic anthropogenic features such as powerlines, fences, pipes, reinforced concrete and other metallic structures.

Page 5

The EM-31 inphase data for the site is shown in Figure 2. The inphase component of the electromagnetic field, measured by the EM-31, is sensitive to buried metals. Rapid fluctuations in inphase readings over relatively short lateral distances are usually indicative of buried metal objects.

### **3.2 EM61 Results**

The EM61 data for the site are shown in Figure 3. The color bar to the right of the map indicates the colors associated with the respective measured values. Areas suspected to be free of buried metals are shown as color shades of blue. All areas exhibiting a response greater than background (0 to 30 mVolts) likely contain buried metals. These areas are depicted in shades of dark blue through yellow on the figures.

The targets of the survey, underground conduits, were not uniquely detected by the geophysical equipment. A portion of a conduit was observed through a break in the ground surface. This area is identified on the figures with the text "vault". A careful examination of this "vault" revealed subsurface conduit running north-south. There was however no corresponding north-south trending linear anomaly coincident with this known subsurface conduit. The EM61 did detect some subsurface utility lines and these are shown with a solid gray line on Figure 3. These linear anomalies do not appear to be the target of this investigation.

The overall response from both the EM31 and EM61 are typical of an area with reinforced concrete. The presence of metallic reinforcement within the subsurface masks other features of interest, including our target.

### **4.0 LIMITATIONS**

The geophysical methods used during this survey are established, indirect techniques for non-destructive subsurface reconnaissance exploration. As these instruments utilize indirect methods, they are subject to inherent limitations and ambiguities. Metallic surface features (electrical wires, scrap metal, etc.) preclude reliable non-invasive data/results beneath, and in the immediate vicinity of, the surface features. Targets such as buried drums, buried tanks, conduits, etc. are detectable only if they produce recognizable anomalies or patterns against the background geophysical data collected. As with any remote sensing technique, the anomalies identified during a geophysical survey should be further investigated by other techniques such as historical aerial photography, test pit excavation and/or test boring, if warranted.

Chuck Guzzetta  
Empire Geo-Services, Inc.  
August 5, 2005



Page 6

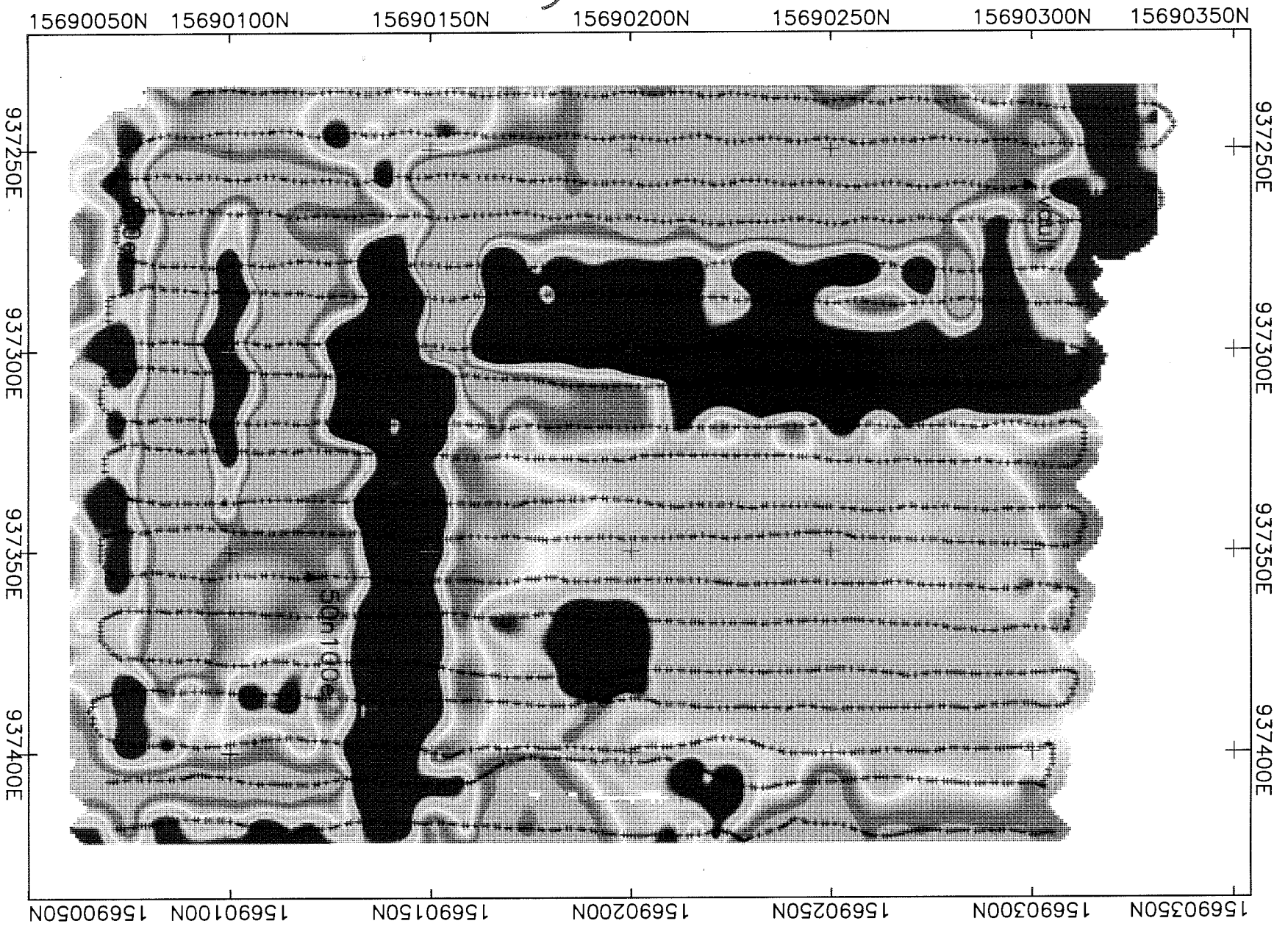
Please do not hesitate to contact us if you have any questions or require additional information.

Sincerely yours,  
GEOMATRIX CONSULTANTS, INC.

A handwritten signature in black ink that reads "John Luttinger". The signature is fluid and cursive, with a large initial "J" and a long, sweeping underline.

John Luttinger  
Senior Geophysicist

# Whitney Street



EM31 Terrain Conductivity (ms/m)

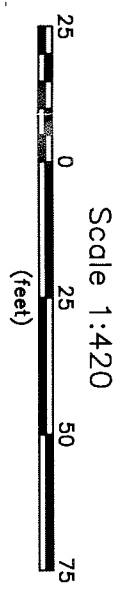
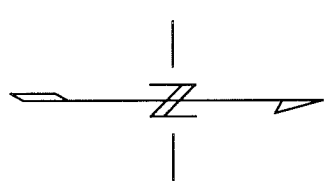
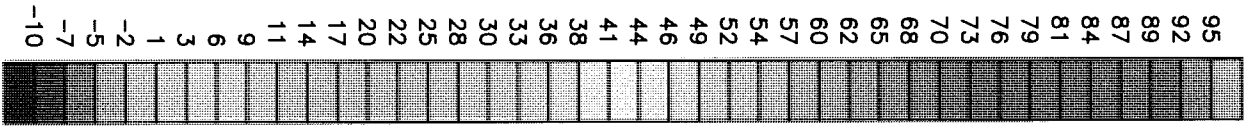


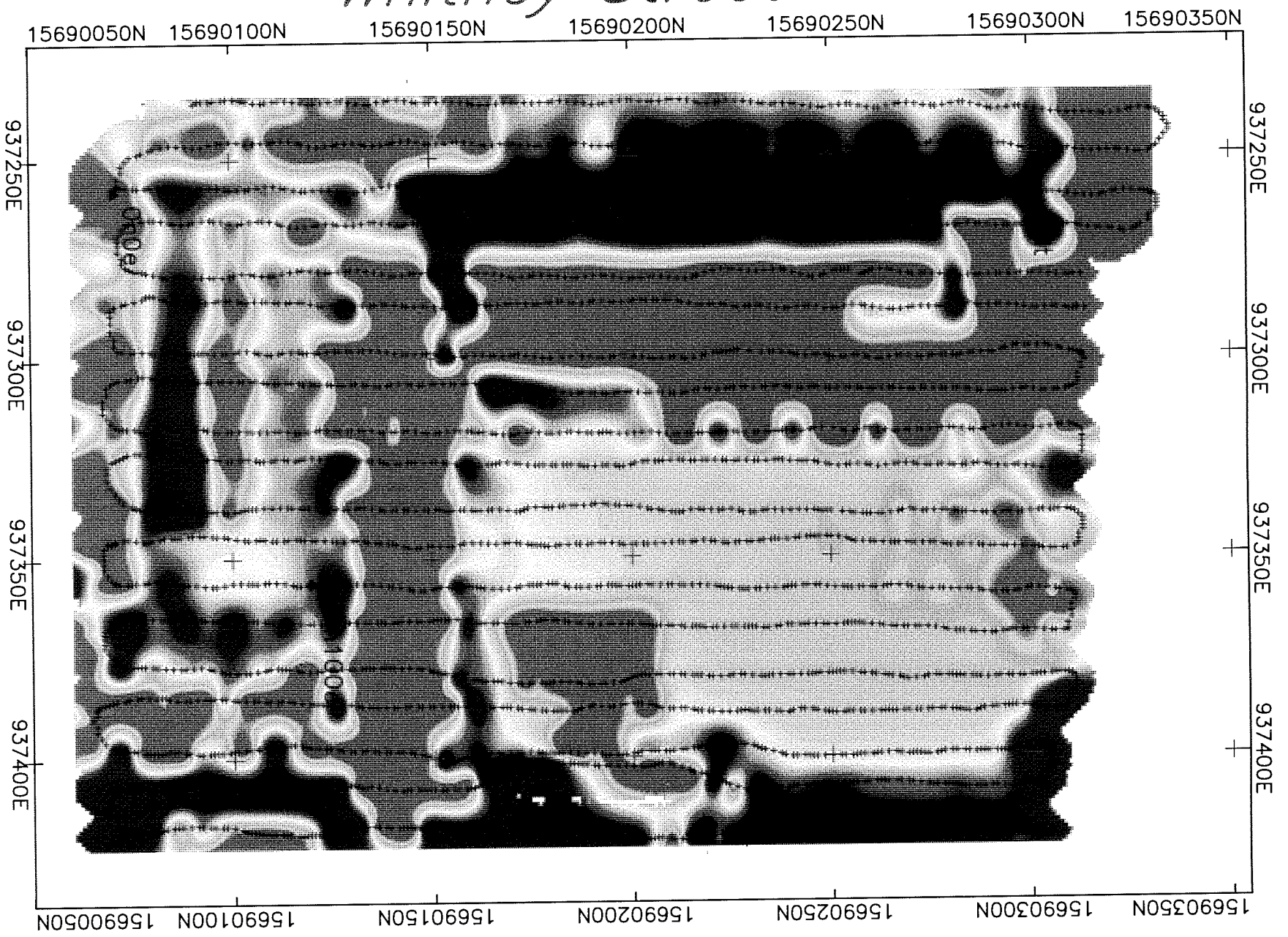
Figure 1

Geophysical Survey Results  
 Color Contours of EM31 Data  
 Terrain Conductivity (ms/m)

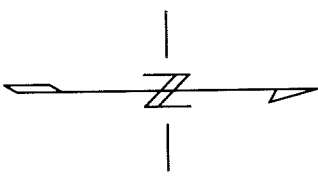
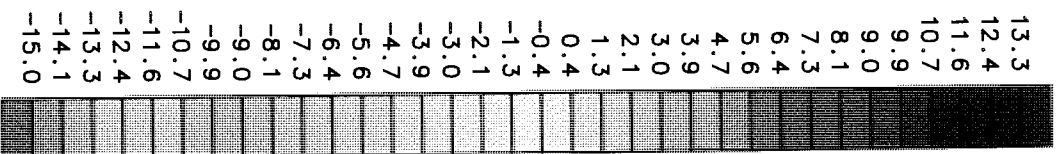
354 Whitney Street  
 Rochester, NY  
 Empire Geo-Services, Inc.

Geomatrix (716) 565-0624

# Whitney Street



EM31 Inphase Response (ppt)



Scale 1:420

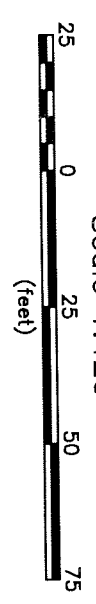


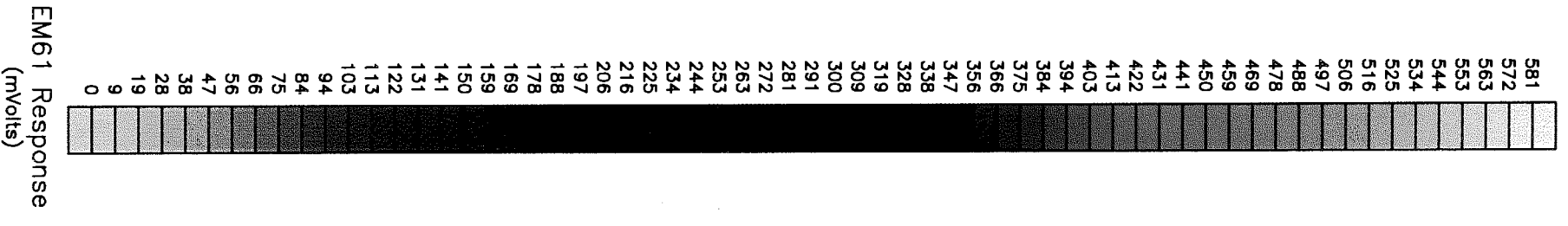
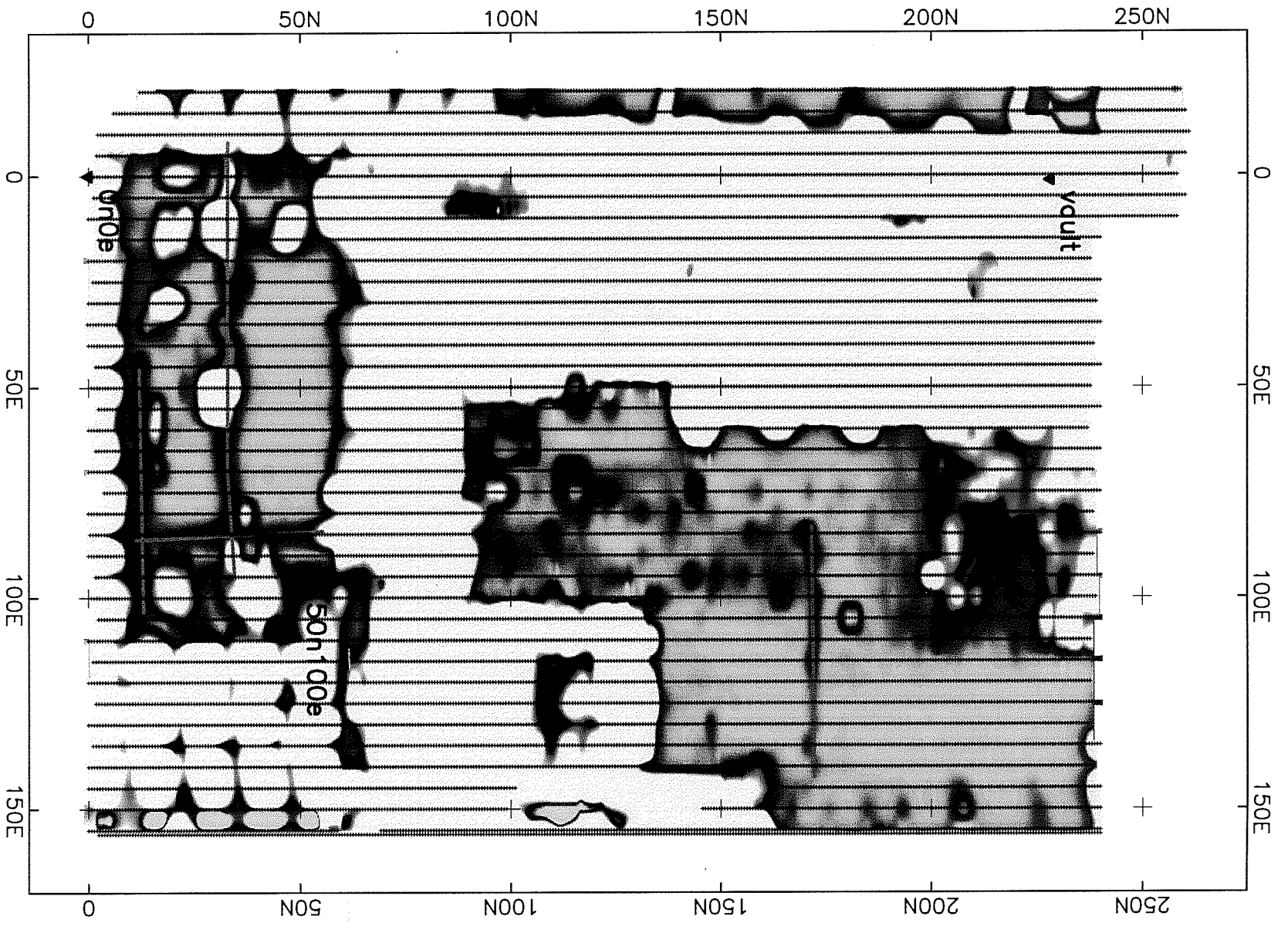
Figure 2

Geophysical Survey Results  
Color Contours of EM31 Data  
Inphase Response (ppt)

354 Whitney Street  
Rochester, NY  
Empire Geo-Services, Inc.

Geomatrix (716) 565-0624

# Whitney Street



Interpreted linear anomaly

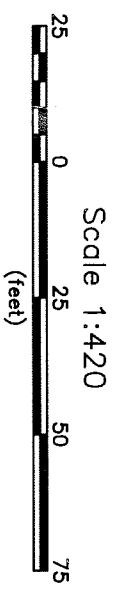
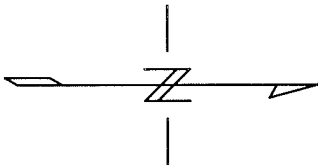


Figure 3  
 Geophysical Survey Results  
 Color Contours of EM61 Data  
 (mVolts)

354 Whitney Street  
 Rochester, NY  
 Empire Geo-Services, Inc.  
 Geomatrix (716) 565-0624



Orchard-Whitney Site (#E828132)  
Test Pit Summary

| Test Pit                            | Total Depth (feet bgs) | Soil Type/Condition                                                                                                                                                            | Bedrock Depth | Saturation depth (feet bgs) | Peak PID Headspace Reading (ppm) |
|-------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------|----------------------------------|
| <b>RI Investigation (2008-2011)</b> |                        |                                                                                                                                                                                |               |                             |                                  |
| TP-01                               | 6.5                    | Clay tile drainage "crock" found at 1' containing black sandy sludge with strong odor; brown mf SAND and SILT, moist with building demolition fill @ 3'-6.5'                   | NA            | 6                           | 15                               |
| TP-02                               | 5.5                    | Clay tile drainage "crock" found at 2', empty, no odor; brown mf SAND and SILT, moist with building demo fill @ 3'-5.5'                                                        | NA            | NA                          | 0                                |
| TP-03                               | 9                      | Concrete and sub-base to 2' and appears to be a former hydraulic lift; cmf SAND and GRAVEL with petroleum and solvent odor @ 6.5', wet @ 7.5'                                  | NA            | 7.5                         | 15                               |
| TP-04                               | 11                     | Concrete floor of former engine room; concrete and gravel to 9.0 bgs underlain by brown cmf SAND and GRAVEL                                                                    | NA            | 10                          | 15                               |
| TP-05                               | 9.5                    | Concrete and sub-base material @ 0'-3', clay tile drainage "crock" at 1' containing black sandy sludge with strong odor; brown mf SAND and SILT, moist with building demo fill | 9.5           | 6.5-7                       | 0                                |
| TP-06                               | 9.5                    | Concrete and sub-base material 0'-3'; Strong solvent odor noted at 4.0'; brown cmf SAND and cmf GRAVEL underlain by thin till layer to 9.5'                                    | 9.5           | 6.5-7                       | 28.5                             |
| TP-07                               | 8.5                    | Weathered asphalt and sub-base material 0'-3'; brown mf SAND and SILT, moist mixed native soils and fill @ 3'-8.5'                                                             | NA            | 6.5-7                       | 400                              |
| TP-08                               | 9                      | Weathered asphalt and sub-base material 0'-3'; brown mf SAND and SILT, moist mixed native soils and fill @ 3'-8.5'                                                             | 9             | 6.5-7                       | 0                                |
| TP-09                               | 9                      | Weathered asphalt and sub-base material 0'-3'; brown mf SAND and SILT, moist mixed native soils and fill @ 3'-8.5'                                                             | 9             | 6.5-7                       | 0                                |
| TP-10                               | 9.5                    | Weathered asphalt and sub-base material 0'-3'; brown mf SAND and SILT, moist mixed native soils and fill @ 3'-8.5'                                                             | 9.5           | 6.5-7                       | 0                                |
| TP-11                               | 9.5                    | Weathered asphalt and sub-base material 0'-3'; brown mf SAND and SILT, moist mixed native soils and fill @ 3'-8.5'; faint petroleum odor                                       | 9.5           | 6.5-7                       | 0                                |
| TP-12                               | 3                      | Masonry debris, sand and gravel- no odor, dry; concrete slab @ 3'                                                                                                              | NA            | NA                          | 0                                |
| TP-13                               | 3                      | Masonry debris, sand and gravel- no odor, dry; concrete slab @ 3'                                                                                                              | NA            | NA                          | 0                                |
| TP-14                               | 9                      | Weathered concrete and sub-base material 0'-3'; brown mf SAND and cmf SILT, moist mixed native soils @ 3'-8.5'                                                                 | 9             | 6.5-7                       | 0                                |
| TP-15                               | 10.5                   | Weathered concrete and sub-base material 0'-3'; brown mf SAND and cmf SILT, moist mixed native soils @ 7'-9.5'                                                                 | 10.5          | 6.5-7                       | 0                                |
| TP-16                               | 10                     | Weathered concrete and sub-base material 0'-3'; brown mf SAND and cmf SILT, moist mixed native soils @ 7'-9.5'                                                                 | 10            | 6.5-7                       | 0                                |
| TP-17                               | 10.5                   | Weathered concrete and sub-base material 0'-3'; brown mf SAND and cmf SILT, moist mixed native soils @ 7'-9.5'                                                                 | 10.5          | 6.5-7                       | 0                                |
| TP-18                               | 3                      | Brick and concrete demolition debris with glass, metal, and black cinders 0'-3'                                                                                                | NA            | NA                          | 0                                |
| TP-19                               | 15                     | Cmf SILT, cmf SAND, cmf GRAVEL, moist, iron mottling, some cmf CLAY                                                                                                            | 15            | NA                          | 0                                |
| TP-20                               | 13                     | All building demo fill material; dark brown to black @ 2'-3'; rebar, brick, concrete, glass, tire, steel with silty soil fill; concrete slab @ 13'                             | NA            | NA                          | 0                                |



Orchard-Whitney Site (#E828132)  
Test Pit Summary

| Test Pit | Total Depth (feet bgs) | Soil Type/Condition                                                                                                                                                                | Bedrock Depth | Saturation depth (feet bgs) | Peak PID Headspace Reading (ppm) |
|----------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------|----------------------------------|
| TP-21    | 14                     | All building demo fill material: brick, concrete, steel, wood, rebar, charcoal grey-black soil, no odor. Concrete slab at 14'                                                      | NA            | NA                          | 0                                |
| TP-22    | 12                     | cmf SANDY SILT with cmf GRAVEL, red-brown iron mottling, little clay, moist; concrete slab @ 10'                                                                                   | NA            | NA                          | 0                                |
| TP-23    | 13.5                   | All demo debris; brick, concrete, rebar, pipes, sheet metal, concrete slab @ 13.5                                                                                                  | NA            | NA                          | 0                                |
| TP-24    | 14.5                   | Crushed brick, concrete and fine SAND, boulder pieces, metal (pipe/rebar), moist @ 5'-14.5'                                                                                        | NA            | NA                          | 0                                |
| TP-25    | 20                     | Brown cmf SAND and cmf GRAVEL, some cmf SILT underlain by native soil @ 12'-20' consisting of medium brown mf SAND, moist, no odor                                                 | NA            | 20                          | 0                                |
| TP-26    | 15                     | Vault from 0'-3'; stone rail bedding covered with creosote 3'-4'; medium brown cmf SILT with cmf SAND, moist, little cf GRAVEL underlain by ash, dark brown fill material @ 4'-15' | NA            | NA                          | 5-6                              |
| TP-27    | 1                      | Concrete vault filled with medium brown cmf SILT and cmf SAND, concrete pieces, concrete floor @ 1'                                                                                | NA            | NA                          | 0                                |
| TP-28    | 8                      | Dark brown-black fill soil (silt/sand) with brick, concrete, steel @ 0'-5'; light brown cmf SILT with iron mottling, trace cmf CLAY, little weathered rock, moist                  | 8             | 6                           | 0                                |
| TP-29    | 7.5                    | Dark brown -black fill soil (silt/sand) with brick, concrete, and steel @ 0'-5.5'; cmf SILT, trace cmf CLAY, iron mottling, moist @ 5.5'-7.5'                                      | 7.5           | 6                           | 309                              |
| TP-30    | 11.5                   | Silty fine SAND, moist, iron mottling @ 5'-11.5'                                                                                                                                   | 11.5          | 8                           | 0                                |
| TP-31    | 9.5                    | Medium brown silty SAND with fc GRAVEL; moist-wet @ 1'-9.5'                                                                                                                        | 9.5           | 8                           | 30                               |
| TP-32    | 11                     | Light brown SAND, little cmf SILT, moist underlain by cmf SILT, trace cmf CLAY, some cmf SAND, wet                                                                                 | 9.5           | 9                           | 0                                |
| TP-33    | 10.5                   | Rose-brown silty mf SAND; trace cmf CLAY, moist wet cobbles (rounded) @ 7'-10.5'                                                                                                   | 10.5          | NA                          | 0                                |
| TP-34    | 9                      | Rose-brown silty cmf SAND with cobbles                                                                                                                                             | NA            | NA                          | 0                                |
| TP-35    | 8.5                    | This test pit was a feature with metal pipes (see corresponding test pit log). Bedrock @ 11.0' bgs                                                                                 | 11            | 8.50                        | 21                               |
| TP-36    | 11                     | Rose-brown silty cmf SAND with cmf GRAVEL; moist cobbles @ 6'-11.0' bgs                                                                                                            | 11            | 8                           | 0                                |
| TP-37    | 10.5                   | Rose-brown silty mf SAND; trace clay; moist cobbles @ 7'-10.5' bgs                                                                                                                 | 10.5          | 9                           | 0                                |
| TP-1     | 6                      | Low-moisture, medium brown cmf SAND, little aggregate                                                                                                                              | NA            | NA                          | 0                                |
| TP-2     | 9                      | Concrete slab of elevator vault @ 4'-6'; underlain by cmf SAND, moist                                                                                                              | NA            | NA                          | 0.7                              |
| TP-3     | 10                     | cmf SAND, little cmf CLAY, moist; slight petroleum odor at 5'-8'                                                                                                                   | NA            | NA                          | 0.8                              |

Orchard-Whitney Site (#E828132)  
Test Pit Summary

| Test Pit | Total Depth (feet bgs) | Soil Type/Condition                                                                                            | Bedrock Depth | Saturation depth (feet bgs) | Peak PID Headspace Reading (ppm) |
|----------|------------------------|----------------------------------------------------------------------------------------------------------------|---------------|-----------------------------|----------------------------------|
| TP-4     | 8.5                    | cmf SAND, low moisture, low aggregate                                                                          | 8.5           | NA                          | 0                                |
| TP-5     | 10                     | cmf SAND, some cmf CLAY, high moisture, low aggregate. Pipes @ 2'-4'                                           | NA            | 10                          | 0                                |
| TP-6     | 12                     | Red-brown cmf SAND, some cmf CLAY low moisture                                                                 | 12            | 8                           | 0.2                              |
| TP-7     | 9                      | Moist fill material, cinder blocks @ 2'-4', concrete @ 6'-9'                                                   | NA            | NA                          | 0                                |
| TP-8     | 9                      | Pipe running N-S, @ 4'-6'; fill material and cmf SAND @ 6'-9'                                                  | NA            | NA                          | 0.2                              |
| TP-9     | 13                     | Concrete elevator floor @ 4'-6' underlain by medium brown cmf SAND                                             | 13            | 12-13                       | 5.3                              |
| TP-10    | 10                     | cmf SAND with fill material @ 2'-4'; pipe encountered at 4'-6'; stained soil with strong petroleum odor @ 7.5' | 12            | NA                          | 54.1                             |
| TP-11    | 12                     | Medium brown cmf SAND                                                                                          | 12            | NA                          | 22.1                             |
| TP-12    | 12                     | cmf SAND underlain by dark brown, tar-like soil with strong petroleum odor @ 6'-8.5'                           | 12            | NA                          | 90                               |
| TP-13    | 12.5                   | Fill material and concrete, strong solvent odor @ 2' underlain by cmf SAND                                     | 11.5-12       | 12                          | 215                              |
| TP-14    | 12                     | cmf SAND with fill material                                                                                    | 11.5-12       | 12                          | 0.7                              |
| TP-15    | 10                     | cmf SAND, petroleum odor @ 4'-6'                                                                               | 12            | NA                          | 37.9                             |
| TP-16    | 12                     | cmf SAND with fill material, no staining or odor observed                                                      | 12            | NA                          | 18.7                             |

Note- Refer to Appendix 6 for detailed test pit logs

Soil removed as part of IRM

**Test Pit Log**

**Project No.: 4216**

**Page 1 of 1**

**Test Pit: TP-01**

**Project Name: Orchard /Whitney RI/IRM**

**Client: City of Rochester**

**Dimensions: 20'x6'x10'**

**Weather: Sunny, 50°**

**Tech.:ERD/GLA**

**Date Started: 10/01/08**

**Completed: 10/01/08**

**Oper.: Nate**

**Sub-Contractor: Paragon Environmental**

**Equipment: 200 Series Komatsu**

| Depth Below Surface (Ft.) | Sample Number  | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks                                                                                                                                       |
|---------------------------|----------------|-----------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2                         | TP-01B (waste) |                 | 0         |                                                                                                                                                                           |
| 4                         | TP-01A (soil)  |                 | 0         | 0-3' Concrete and sub base material<br>Clay tile drainage "crock" found at 1' bgs containing black sandy sludge with strong odor - clean pipe attached oriented southward |
| 6                         |                |                 | 15        | 3-6.5' bgs brown f-m sand and silt , moist w/ building demo fill.<br>Groundwater observed - no sheen or odor<br>Terminated test pit at 6.5' bgs                           |
| 8                         |                |                 | 0         |                                                                                                                                                                           |
| 10                        |                |                 | 0         |                                                                                                                                                                           |
| 12                        |                |                 | 0         |                                                                                                                                                                           |

Remarks: Waste materials from crock staged in 55-gallon drum and secured pending characterization and disposal.  
Bedrock not encountered.

**Test Pit Log**

**Project No.: 4216**

**Page 1 of 1**

**Test Pit: TP-02**

**Project Name: Orchard /Whitney RI/IRM**

**Client: City of Rochester**

**Dimensions: 20'x6'x10'**

**Weather: Sunny, 50°**

**Tech.:ERD/GLA**

**Date Started: 10/01/08**

**Completed: 10/01/08**

**Oper.: Nate**

**Sub-Contractor: Paragon Environmental**

**Equipment: 200 Series Komatsu**

| Depth Below Surface (Ft.) | Sample Number | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks                                                                                                                                                                                                                                                                              |
|---------------------------|---------------|-----------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2                         |               |                 | 0         | 0-2' Loose asphalt underlain by thin gravel layer<br>Clay tile drainage "crock" found at 2' bgs , empty with no odor<br>clean pipe attached oriented southward<br><br>3-5.5' bgs brown f-m sand and silt , moist w/ building demo fill.<br>Groundwater not observed - no odor<br>Terminated test pit at 5.5' bgs |
| 4                         |               |                 | 0         |                                                                                                                                                                                                                                                                                                                  |
| 6                         | TP-02 (soil)  |                 | 0         |                                                                                                                                                                                                                                                                                                                  |
| 8                         |               |                 | 0         |                                                                                                                                                                                                                                                                                                                  |
| 10                        |               |                 | 0         |                                                                                                                                                                                                                                                                                                                  |
| 12                        |               |                 | 0         |                                                                                                                                                                                                                                                                                                                  |

Remarks: Bedrock not encountered

**Test Pit Log**

**Project No.: 4216**

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**Test Pit: TP-03**

**Project Name: Orchard /Whitney RI/IRM**

**Client: City of Rochester**

**Dimensions: 20'x9'x10'**

**Weather: Sunny, 50°**

**Tech.:ERD/GLA**

**Date Started: 10/01/08**

**Completed: 10/01/08**

**Oper.: Nate**

**Sub-Contractor: Paragon Environmental**

**Equipment: 200 Series Komatsu**

| Depth Below Surface (Ft.) | Sample Number         | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks                                                                                     |
|---------------------------|-----------------------|-----------------|-----------|-------------------------------------------------------------------------------------------------------------------------|
| 2                         |                       |                 | 0         | Concrete and sub base to approximately 2.0' bgs<br>Location looks like an abandoned hydraulic lift                      |
| 4                         |                       |                 | 0         | Brown sand and gravel to 7.0' bgs                                                                                       |
| 6                         |                       |                 | 0         |                                                                                                                         |
| 8                         | TP-03A<br>(Soil)      |                 | 15        | Sand and gravel soil stained and exhibits petroleum/solvent odor<br>Soils wet at 7.5' bgs, odor and slight sheen noted. |
| 10                        | TP-03B<br>(oily mtl.) |                 | 0         | Terminated test pit at 9.0' bgs                                                                                         |
| 12                        |                       |                 | 0         |                                                                                                                         |

Remarks: Bedrock not encountered.

**Test Pit Log**

**Project No.: 4216**

**Page 1 of 1**

**Test Pit: TP-04**

**Project Name: Orchard /Whitney RI/IRM**

**Client: City of Rochester**

**Dimensions: 20'x9'x10'**

**Weather: Sunny, 50°**

**Tech.:ERD/GLA**

**Date Started: 10/01/08**

**Completed: 10/01/08**

**Oper.: Nate**

**Sub-Contractor: Paragon Environmental**

**Equipment: 200 Series Komatsu**

| Depth Below Surface (Ft.) | Sample Number | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks                                                          |
|---------------------------|---------------|-----------------|-----------|----------------------------------------------------------------------------------------------|
| 2                         |               |                 | 0         |                                                                                              |
| 4                         |               |                 | 0         |                                                                                              |
| 6                         |               |                 | 0         | Water present in concrete pit (former basement) at approximately 5.0' bgs, no odor, no sheen |
| 8                         |               |                 | 15        | Concrete floor of former engine room                                                         |
| 10                        | TP-04         |                 | 0         | Concrete and gravel to approx 9.0' bgs                                                       |
| 12                        | (soil)        |                 | 0         | Native soils below floor slab, saturated brown cmf sand and gravel                           |
|                           |               |                 | 0         | Terminated TP at approximately 11.0' bgs                                                     |

Remarks: Bedrock not encountered.

**Test Pit Log**

**Project No.: 4216**

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**Test Pit: TP-05**

**Project Name: Orchard /Whitney RI/IRM**

**Client: City of Rochester**

**Dimensions: 20'x9.5'x10'**

**Weather: Sunny, 50°**

**Tech.:ERD/GLA**

**Date Started: 10/01/08**

**Completed: 10/01/08**

**Oper.: Nate**

**Sub-Contractor: Paragon Environmental**

**Equipment: 200 Series Komatsu**

| Depth Below Surface (Ft.) | Sample Number | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks                                                                                                                                                                                      |
|---------------------------|---------------|-----------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2                         |               |                 | 0         |                                                                                                                                                                                                                          |
| 4                         |               |                 | 0         | 0-3' Concrete and sub base material<br>Clay tile drainage "crock" found at 1' bgs containing black sandy sludge with strong odor - pipe attached containing sludge removed all piping and containerized with TP-01 waste |
| 6                         |               |                 | 0         |                                                                                                                                                                                                                          |
| 8                         | TP-05 (soil)  |                 | 0         | 3-6.5' bgs brown f-m sand and silt, moist w/ building demo fill.<br>Groundwater observed - no sheen or odor                                                                                                              |
| 10                        |               |                 | 0         | Terminated boring on bedrock at 9.5' bgs                                                                                                                                                                                 |
| 12                        |               |                 | 0         |                                                                                                                                                                                                                          |

Remarks: Waste materials from crock and pipe staged in 55-gallon drum and secured pending characterization and disposal.

**Test Pit Log**

**Project No.: 4216**

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**Test Pit: TP-06**

**Project Name: Orchard /Whitney RI/IRM**

**Client: City of Rochester**

**Dimensions: 20'x9.5'x10'**

**Weather: Sunny, 50°**

**Tech.:ERD/GLA**

**Date Started: 10/01/08**

**Completed: 10/01/08**

**Oper.: Nate**

**Sub-Contractor: Paragon Environmental**

**Equipment: 200 Series Komatsu**

| Depth Below Surface (Ft.) | Sample Number | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks                                                                                                                                                                                |
|---------------------------|---------------|-----------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2                         |               |                 | 0         |                                                                                                                                                                                                                    |
| 4                         | TP-06         |                 | 28.5      | 0-3' Concrete and sub base material<br>Moist fill material mixed with native sand and gravel soils<br>Strong solvent odor noted at approximately 4.0' bgs<br>No piping or crock observed, odor dissipated quickly. |
| 6                         |               |                 | 0         |                                                                                                                                                                                                                    |
| 8                         |               |                 | 0         | 3-6.5' bgs brown f-m sand and silt, moist w/ building demo fill.<br>Groundwater observed - no sheen or odor                                                                                                        |
| 10                        |               |                 | 0         | Native brown sand and gravel soils underlain by thin till layer to 9.5' bgs<br>Terminated boring on bedrock at 9.5' bgs                                                                                            |
| 12                        |               |                 | 0         |                                                                                                                                                                                                                    |

Remarks:



**Test Pit Log**

**Project No.: 4216**

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**Test Pit: TP-07**

**Project Name: Orchard /Whitney RI/IRM**

**Client: City of Rochester**

**Dimensions: 20'x9.5'x10'**

**Weather: Sunny, 50°**

**Tech.:ERD/GLA**

**Date Started: 10/01/08**

**Completed: 10/01/08**

**Oper.: Nate**

**Sub-Contractor: Paragon Environmental**

**Equipment: 200 Series Komatsu**

| Depth Below Surface (Ft.) | Sample Number | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks                                                                                              |
|---------------------------|---------------|-----------------|-----------|----------------------------------------------------------------------------------------------------------------------------------|
| 2                         |               |                 | 0         |                                                                                                                                  |
| 4                         | TP-07 (soil)  |                 | 400       | 0-3' weathered asphalt and sub base material<br>Brown mf sand, silt and cmf gravel below 3.0' bgs                                |
| 6                         |               |                 | 0         |                                                                                                                                  |
| 8                         |               |                 | 0         | 3-8.5' bgs brown f-m sand and silt, moist mixed native soils and fill.<br>Groundwater observed - no sheen, odor present in soils |
| 10                        |               |                 | 0         | Terminated boring at 8.5' bgs                                                                                                    |
| 12                        |               |                 | 0         |                                                                                                                                  |

Remarks: Bedrock not encountered

**Test Pit Log**

**Project No.: 4216**

**Page 1 of 1**

**Test Pit: TP-08**

**Project Name: Orchard /Whitney RI/IRM**

**Client: City of Rochester**

**Dimensions: 20'x9.0'x10'**

**Weather: Sunny, 50°**

**Tech.:ERD/GLA**

**Date Started: 10/02/08**

**Completed: 10/02/08**

**Oper.: Nate**

**Sub-Contractor: Paragon Environmental**

**Equipment: 200 Series Komatsu**

| Depth Below Surface (Ft.) | Sample Number | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks                                                                                                 |
|---------------------------|---------------|-----------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------|
| 2                         |               |                 | 0         |                                                                                                                                     |
| 4                         |               |                 | 0         | 0-3' weathered asphalt and sub base material, some masonry<br>Brown mf sand, silt and cmf gravel below 3.0' bgs                     |
| 6                         |               |                 | 0         |                                                                                                                                     |
| 8                         | TP-08 (Soil)  |                 | 0         | 3-8.5' bgs brown f-m sand and silt, moist mixed native soils and fill.<br>Groundwater observed - no sheen, no odor present in soils |
| 10                        |               |                 | 0         | 8.5 - 9.0' bgs grey till<br>Terminated boring at 9.0' bgs on bedrock                                                                |
| 12                        |               |                 | 0         |                                                                                                                                     |

Remarks: Bedrock encountered at 9.0 feet bgs

**Test Pit Log**

**Project No.: 4216**

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**Test Pit: TP-09**

**Project Name: Orchard /Whitney RI/IRM**

**Client: City of Rochester**

**Dimensions: 15'x9.0'x10'**

**Weather: Sunny, 50°**

**Tech.:ERD/GLA**

**Date Started: 10/02/08**

**Completed: 10/02/08**

**Oper.: Nate**

**Sub-Contractor: Paragon Environmental**

**Equipment: 200 Series Komatsu**

| Depth Below Surface (Ft.) | Sample Number | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks                                                                                                 |
|---------------------------|---------------|-----------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------|
| 2                         |               |                 | 0         |                                                                                                                                     |
| 4                         |               |                 | 0         | 0-3' weathered asphalt and sub base material, some masonry<br>Brown mf sand, silt and cmf gravel below 3.0' bgs                     |
| 6                         |               |                 | 0         |                                                                                                                                     |
| 8                         | TP-09 (Soil)  |                 | 0         | 3-8.5' bgs brown f-m sand and silt, moist mixed native soils and fill.<br>Groundwater observed - no sheen, no odor present in soils |
| 10                        |               |                 | 0         | 8.5 - 9.0' bgs grey till<br>Terminated boring at 9.0' bgs on bedrock                                                                |
| 12                        |               |                 | 0         |                                                                                                                                     |

Remarks: Bedrock encountered at 9.0 feet bgs

**Test Pit Log**

**Project No.: 4216**

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**Test Pit: TP-10**

**Project Name: Orchard /Whitney RI/IRM**

**Client: City of Rochester**

**Dimensions: 15'x9.5'x10'**

**Weather: Sunny, 50°**

**Tech.:ERD/GLA**

**Date Started: 10/02/08**

**Completed: 10/02/08**

**Oper.: Nate**

**Sub-Contractor: Paragon Environmental**

**Equipment: 200 Series Komatsu**

| Depth Below Surface (Ft.) | Sample Number | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks                                                                                                 |
|---------------------------|---------------|-----------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------|
| 2                         |               |                 | 0         |                                                                                                                                     |
| 4                         |               |                 | 0         | 0-3' weathered asphalt and sub base material, some masonry<br>Brown mf sand, silt and cmf gravel below 3.0' bgs                     |
| 6                         |               |                 | 0         |                                                                                                                                     |
| 8                         | TP-10 (Soil)  |                 | 0         | 3-8.5' bgs brown f-m sand and silt, moist mixed native soils and fill.<br>Groundwater observed - no sheen, no odor present in soils |
| 10                        |               |                 | 0         | 8.5 - 9.5' bgs grey till<br>Terminated boring at 9.5' bgs on bedrock                                                                |
| 12                        |               |                 | 0         |                                                                                                                                     |

Remarks: Bedrock encountered at 9.5 feet bgs

**Test Pit Log**

**Project No.: 4216**

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**Test Pit: TP-11**

**Project Name: Orchard /Whitney RI/IRM**

**Client: City of Rochester**

**Dimensions: 15'x9.5'x10'**

**Weather: Sunny, 50°**

**Tech.:ERD/GLA**

**Date Started: 10/02/08**

**Completed: 10/02/08**

**Oper.: Nate**

**Sub-Contractor: Paragon Environmental**

**Equipment: 200 Series Komatsu**

| Depth Below Surface (Ft.) | Sample Number | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks                                                                                                    |
|---------------------------|---------------|-----------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------|
| 2                         |               |                 | 0         |                                                                                                                                        |
| 4                         |               |                 | 0         | 0-3' weathered asphalt and sub base material, some masonry<br>Brown mf sand, silt and cmf gravel below 3.0' bgs                        |
| 6                         |               |                 | 0         |                                                                                                                                        |
| 8                         | TP-11 (Soil)  |                 | 0         | 3-8.5' bgs brown f-m sand and silt, moist mixed native soils and fill.<br>Groundwater observed - no sheen, faint petrol. odor in soils |
| 10                        |               |                 | 0         | 8.5 - 9.5' bgs grey till<br>Terminated boring at 9.5' bgs on bedrock                                                                   |
| 12                        |               |                 | 0         |                                                                                                                                        |

Remarks: Bedrock encountered at 9.5 feet bgs

**Test Pit Log**

**Project No.: 4216**

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**Test Pit: TP-12**

**Project Name: Orchard /Whitney RI/IRM**

**Client: City of Rochester**

**Dimensions: 15'x3'x10'**

**Weather: Sunny, 50°**

**Tech.:ERD/GLA**

**Date Started: 10/02/08**

**Completed: 10/02/08**

**Oper.: Nate**

**Sub-Contractor: Paragon Environmental**

**Equipment: 200 Series Komatsu**

| Depth Below Surface (Ft.) | Sample Number | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks                                                                      |
|---------------------------|---------------|-----------------|-----------|----------------------------------------------------------------------------------------------------------|
| 2                         |               |                 | 0         | 0-3' masonry debris, sand and gravel - no odor, dry<br>Terminated boring at 3.0' bgs on massive concrete |
| 4                         |               |                 | 0         |                                                                                                          |
| 6                         |               |                 | 0         |                                                                                                          |
| 8                         |               |                 | 0         |                                                                                                          |
| 10                        |               |                 | 0         |                                                                                                          |
| 12                        |               |                 | 0         |                                                                                                          |

Remarks: Massive concrete slab encountered at 3.0 feet bgs. No sample taken (all fill material)

**Test Pit Log**

**Project No.: 4216**

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**Test Pit: TP-13**

**Project Name: Orchard /Whitney RI/IRM**

**Client: City of Rochester**

**Dimensions: 15'x3'x10'**

**Weather: Sunny, 50°**

**Tech.:ERD/GLA**

**Date Started: 10/02/08**

**Completed: 10/02/08**

**Oper.: Nate**

**Sub-Contractor: Paragon Environmental**

**Equipment: 200 Series Komatsu**

| Depth Below Surface (Ft.) | Sample Number | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks                                                                      |
|---------------------------|---------------|-----------------|-----------|----------------------------------------------------------------------------------------------------------|
| 2                         |               |                 | 0         | 0-3' masonry debris, sand and gravel - no odor, dry<br>Terminated boring at 3.0' bgs on massive concrete |
| 4                         |               |                 | 0         |                                                                                                          |
| 6                         |               |                 | 0         |                                                                                                          |
| 8                         |               |                 | 0         |                                                                                                          |
| 10                        |               |                 | 0         |                                                                                                          |
| 12                        |               |                 | 0         |                                                                                                          |

Remarks: Massive concrete slab encountered at 3.0 feet bgs. No sample taken (all fill material)

**Test Pit Log**

**Project No.: 4216**

**Page 1 of 1**

**Test Pit: TP-14**

**Project Name: Orchard /Whitney RI/IRM**

**Client: City of Rochester**

**Dimensions: 15'x9.0'x10'**

**Weather: Sunny, 50°**

**Tech.:ERD/GLA**

**Date Started: 10/02/08**

**Completed: 10/02/08**

**Oper.: Nate**

**Sub-Contractor: Paragon Environmental**

**Equipment: 200 Series Komatsu**

| Depth Below Surface (Ft.) | Sample Number | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks                                                                                                                         |
|---------------------------|---------------|-----------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2                         |               |                 | 0         |                                                                                                                                                             |
| 4                         |               |                 | 0         | 0-3' weathered concrete and sub base material, some masonry<br>TP is adjacent to 4' diam steel caisson<br>Brown mf sand, silt and cmf gravel below 3.0' bgs |
| 6                         |               |                 | 0         |                                                                                                                                                             |
| 8                         | TP-14 (Soil)  |                 | 0         | 3-8.5' bgs brown f-m sand and silt, moist mixed native soils and fill.<br>Groundwater observed - no sheen, no odor present in soils                         |
| 10                        |               |                 | 0         | 8.5 - 9.0' bgs grey till<br>Terminated boring at 9.0' bgs. Bedrock not encountered                                                                          |
| 12                        |               |                 | 0         |                                                                                                                                                             |

Remarks: Bedrock not encountered at 9.0 feet bgs



**Test Pit Log**

**Project No.: 4216**

**Page 1 of 1**

**Test Pit: TP-15**

**Project Name: Orchard /Whitney RI/IRM**

**Client: City of Rochester**

**Dimensions: 15'x10.5'x10'**

**Weather: Sunny, 50°**

**Tech.:ERD/GLA**

**Date Started: 10/02/08**

**Completed: 10/02/08**

**Oper.: Nate**

**Sub-Contractor: Paragon Environmental**

**Equipment: 200 Series Komatsu**

| Depth Below Surface (Ft.) | Sample Number | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks                                                                                           |
|---------------------------|---------------|-----------------|-----------|-------------------------------------------------------------------------------------------------------------------------------|
| 2                         |               |                 | 0         |                                                                                                                               |
| 4                         |               |                 | 0         | 0-3' weathered concrete and sub base material, some masonry<br>Brown mf sand, silt and cmf gravel below 3.0' bgs              |
| 6                         | TP-15 (Soil)  |                 | 950       | 4.0-7.0' bgs grey clay and cmf sand layer<br>Solvent odor - dissipates quickly                                                |
| 8                         |               |                 | 0         | 7.0-9.5' bgs brown f-m sand and silt, moist mixed native soils .<br>Groundwater observed - no sheen, no odor present in soils |
| 10                        |               |                 | 0         | 9.5 - 10.5' bgs grey till                                                                                                     |
| 12                        |               |                 | 0         | Terminated boring at 10.5' bgs. Bedrock encountered                                                                           |

Remarks: Bedrock encountered at 10.5 feet bgs

**Test Pit Log**

**Project No.: 4216**

**Page 1 of 1**

**Test Pit: TP-16**

**Project Name: Orchard /Whitney RI/IRM**

**Client: City of Rochester**

**Dimensions: 15'x10.0'x10'**

**Weather: Sunny, 50°**

**Tech.:ERD/GLA**

**Date Started: 10/02/08**

**Completed: 10/02/08**

**Oper.: Nate**

**Sub-Contractor: Paragon Environmental**

**Equipment: 200 Series Komatsu**

| Depth Below Surface (Ft.) | Sample Number | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks                                                                                           |
|---------------------------|---------------|-----------------|-----------|-------------------------------------------------------------------------------------------------------------------------------|
| 2                         |               |                 | 0         |                                                                                                                               |
| 4                         |               |                 | 0         | 0-3' weathered concrete and sub base material, some masonry<br>Brown mf sand, silt and cmf gravel below 3.0' bgs              |
| 6                         |               |                 | 0         | Drainage tile (empty, no odor)                                                                                                |
| 8                         |               |                 | 0         | 7.0-9.5' bgs brown f-m sand and silt, moist mixed native soils .<br>Groundwater observed - no sheen, no odor present in soils |
| 10                        |               |                 | 0         | 9.5 - 10.0' bgs grey till                                                                                                     |
| 12                        |               |                 | 0         | Terminated boring at 10.0' bgs. Bedrock encountered                                                                           |

Remarks: Bedrock encountered at 10.0 feet bgs. No sample obtained due to proximity of MW-12.

**Test Pit Log**

**Project No.: 4216**

**Page 1 of 1**

**Test Pit: TP-17**

**Project Name: Orchard /Whitney RI/IRM**

**Client: City of Rochester**

**Dimensions: 15'x10.0'x10'**

**Weather: Sunny, 50°**

**Tech.:ERD/GLA**

**Date Started: 10/02/08**

**Completed: 10/02/08**

**Oper.: Nate**

**Sub-Contractor: Paragon Environmental**

**Equipment: 200 Series Komatsu**

| Depth Below Surface (Ft.) | Sample Number | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks                                                                                           |
|---------------------------|---------------|-----------------|-----------|-------------------------------------------------------------------------------------------------------------------------------|
| 2                         |               |                 | 0         |                                                                                                                               |
| 4                         |               |                 | 0         | 0-3' weathered concrete and sub base material, some masonry<br>Brown mf sand, silt and cmf gravel below 3.0' bgs              |
| 6                         |               |                 | 0         |                                                                                                                               |
| 8                         |               |                 | 0         | 7.0-9.5' bgs brown f-m sand and silt, moist mixed native soils .<br>Groundwater observed - no sheen, no odor present in soils |
| 10                        | TP-17 (Soil)  |                 | 0         | 9.0 - 10.5' bgs grey till                                                                                                     |
| 12                        |               |                 | 0         | Terminated boring at 10.5' bgs. Bedrock encountered                                                                           |

Remarks: Bedrock encountered at 10.5 feet bgs.

**Test Pit Log**

**Project No.: 4216**

**Page 1 of 1**

**Test Pit: TP-18**

**Project Name: Orchard /Whitney RI/IRM**

**Client: City of Rochester**

**Dimensions: 5'x5'x5'**

**Weather: Sunny, 50°**

**Tech.:ERD/GLA**

**Date Started: 10/02/08**

**Completed: 10/02/08**

**Oper.: Nate**

**Sub-Contractor: Paragon Environmental**

**Equipment: 200 Series Komatsu**

| Depth Below Surface (Ft.) | Sample Number | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks                                      |
|---------------------------|---------------|-----------------|-----------|--------------------------------------------------------------------------|
| 2                         |               |                 | 0         | brick and concrete demolition debris                                     |
| 4                         |               |                 | 0         | brick and concrete demolition debris with glass, metal and black cinders |
| 6                         |               |                 | 0         | Terminated test pit at 3.0 feet below surface                            |
| 8                         |               |                 | 0         |                                                                          |
| 10                        |               |                 | 0         |                                                                          |
| 12                        |               |                 | 0         |                                                                          |

**Test Pit Log**

**Site Photos**

Project No.: 4216

Page 1 of 1

Test Pit: TP-7A

Project Name: Orchard /Whitney RI/IRM

Client: City of Rochester

Dimensions: 10'Lx2.5'Wx8'D

Weather: Sun, Breeze, 45°

Tech.: ED

Date Started: 4/9/12

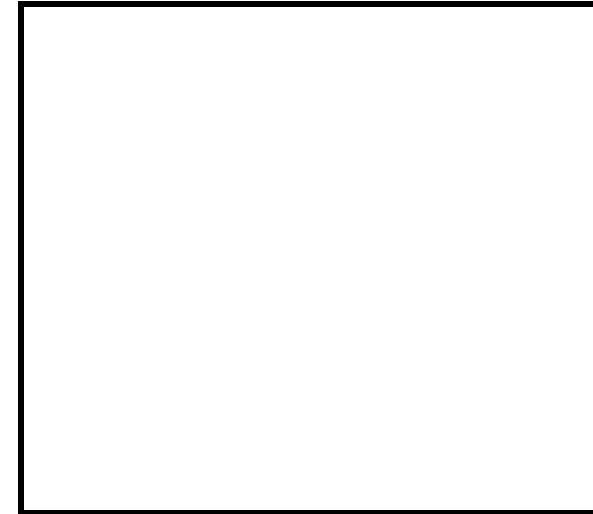
Completed: 4/9/12

Oper.:

Sub-Contractor: OPTECH

Equipment: JD 200C 1C

TP-7A



TP-7A



| Depth Below Surface (Ft.) | Sample Number | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks |
|---------------------------|---------------|-----------------|-----------|-------------------------------------|
| 2                         |               |                 | 0         |                                     |
| 4                         |               |                 | 0         |                                     |
| 6                         |               |                 | 0         |                                     |
| 8                         |               |                 | 0         |                                     |
| 10                        |               |                 | 0         |                                     |
| 12                        |               |                 | 0         |                                     |
| 13                        |               |                 | 0         |                                     |

Remarks:

**Test Pit Log**

Project No.: 4216

Page 1 of 1

Test Pit: TP-19

Project Name: Orchard /Whitney RI/IRM

Client: City of Rochester

Dimensions: 16'x6'x15'

Weather: S. Breeze, 45°

Tech.: ED

Date Started: 3/17/11

Completed: 3/17/11

Oper.:

Sub-Contractor: TREC Environmental

Equipment: JD 200C 1C

**Site Photos**

TP-19



TP-19



| Depth Below Surface (Ft.) | Sample Number | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks                                                                                                                                 |
|---------------------------|---------------|-----------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2                         |               |                 | 0         | 0-2' Dark grey to black fill; building materials (concrete, brick, glass, steel, rebar, I-beams, scrap steel); dry                                                  |
| 4                         |               |                 | 0         |                                                                                                                                                                     |
| 6                         |               |                 | 0         |                                                                                                                                                                     |
| 8                         |               |                 | 0         |                                                                                                                                                                     |
| 10                        |               |                 | 0         |                                                                                                                                                                     |
| 12                        |               |                 | 0         | 2-11' Light brown to grey fill; as above; lot's of rebar<br>11-12' Encounter native soil (appears native); silt/sand/gravel mix; moist-wet; Fe mottling, cmf gravel |
| 15                        | ?             | 12-15'          | 0         | 12-15' Musty odor Silt/sand cmf/cmf gravel. Fe mottling, some clay; light brown-med. Brown, moist                                                                   |

Remarks: 2-4' PAH/coal/creosote odor, no PID readings above background, no elevated methane readings, collect soil sample from 12-15'. Rock @ 15', no ground water encountered.

**Test Pit Log**

Project No.: 4216

Page 1 of 1

Test Pit: TP-20

Project Name: Orchard /Whitney RI/IRM

Client: City of Rochester

Dimensions: 18'x6'x13'

Weather: Sun, Breeze, 45°

Tech.: ED

Date Started: 3/17/11

Completed: 3/17/11

Oper.:

Sub-Contractor: TREC Environmental

Equipment: JD 200C 1C

**Site Photos**

TP-20 (Looking East)



TP-20



| Depth Below Surface (Ft.) | Sample Number | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks                                                                                               |
|---------------------------|---------------|-----------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------|
| 2                         |               |                 | 0         |                                                                                                                                   |
| 4                         |               |                 | 0         |                                                                                                                                   |
| 6                         |               |                 | 0         |                                                                                                                                   |
| 8                         |               |                 | 0         |                                                                                                                                   |
| 10                        |               |                 | 0         |                                                                                                                                   |
| 12                        |               |                 | 0         |                                                                                                                                   |
| 13                        |               |                 | 0         | 0-13' All building demo fill material; dark brown to black @ 2-3'; rebar, brick, concrete, glass, tire, steel w/ silty soil fill. |

Remarks: @ 13' bgs encounter flat concrete slab, no evidence of gross contamination in fill materials to 13'; no elevated PID readings or methane readings throughout digging; no sample collected. No rock encountered, no groundwater encountered.

**Test Pit Log**

Project No.: 4216

Page 1 of 1

Test Pit: TP-21

Project Name: Orchard /Whitney RI/IRM

Client: City of Rochester

Dimensions: 20'x7'x14'

Weather: S. Breeze, 50°

Tech.: ED

Date Started: 3/17/11

Completed: 3/17/11

Oper.:

Sub-Contractor: TREC Environmental

Equipment: JD 200C 1C

**Site Photos**

TP-21 (Looking East)



TP-21



| Depth Below Surface (Ft.) | Sample Number | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks                                                                        |
|---------------------------|---------------|-----------------|-----------|------------------------------------------------------------------------------------------------------------|
| 2                         |               |                 | 0         | 0-6' Building demo fill material: brick, concrete, steel, wood, rebar, silty type soil, dry, medium brown. |
| 4                         |               |                 | 0         |                                                                                                            |
| 6                         |               |                 | 0         |                                                                                                            |
| 8                         |               |                 | 0         | 6-14' Building demo fill material: brick, concrete, steel, wood, rebar, charcoal grey-black soil, no odor. |
| 10                        |               |                 | 0         |                                                                                                            |
| 12                        | ?             | 10-12'          | 0         |                                                                                                            |
| 14                        |               |                 | 0         |                                                                                                            |
|                           |               |                 |           |                                                                                                            |

Remarks: @14' bgs encounter concrete slab; no elevated PID readings; stained soils have no odors or readings; collected sample from 10-12'.



**Test Pit Log**

Project No.: 4216

Page 1 of 1

Test Pit: TP-22

Project Name: Orchard /Whitney RI/IRM

Client: City of Rochester

Dimensions: 20'x6'x10'

Weather: Sunny, 50°

Tech.: ED

Date Started: 3/17/11

Completed: 3/17/11

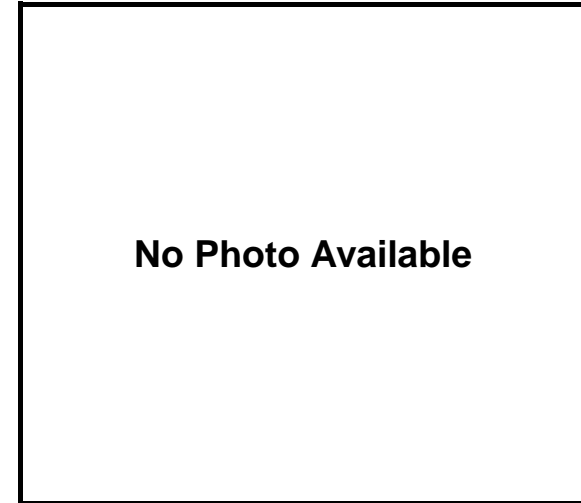
Oper.:

Sub-Contractor: TREC Environmental

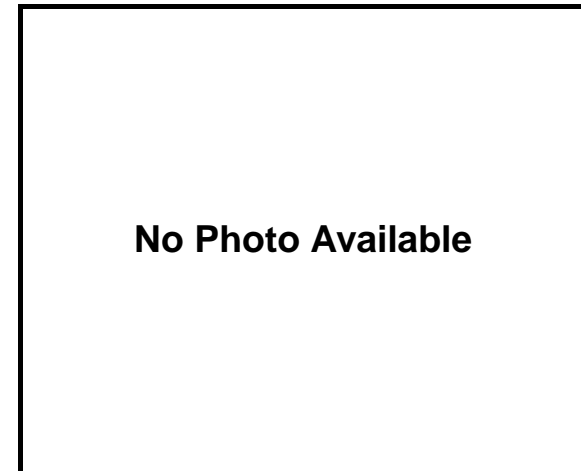
Equipment: JD 200C 1C

**Site Photos**

TP-22



TP-22



| Depth Below Surface (Ft.) | Sample Number | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks                                                                                                                         |
|---------------------------|---------------|-----------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2                         |               |                 | 0         |                                                                                                                                                             |
| 4                         |               |                 | 0         | 0-3' Black fill, bldg. demo materials: brick, concrete, rebar, steel, stone, wood. Dry, silt like soil, RR ties.                                            |
| 6                         |               |                 | 0         | 3-6' Light brown f-m sand, moist w/ building demo fill.                                                                                                     |
| 8                         |               |                 | 0         |                                                                                                                                                             |
| 10                        | ?             | 10'             | 0         | 6-8.5' Medium brown fill.<br>8.5-10' CMF sandy silt w/ cmf gravel; red-brown Fe mottling, little clay, moist (begins at RR bed grade adjacent to test pit). |
| 12                        |               |                 | 0         |                                                                                                                                                             |

Remarks: Encounter concrete slab @ 10'; mixed fill soils throughout; majority of building demo materials are from 0-6'; collect soil sample from top of concrete slab @ 10' (0 ppm) ; no staining. No rock or groundwater encountered.

**Test Pit Log**

Project No.: 4216

Page 1 of 1

Test Pit: TP-23

Project Name: Orchard /Whitney RI/IRM

Client: City of Rochester

Dimensions: 15'x8'x13.5'

Weather: Sunny, 55°

Tech.: GLA

Date Started: 3/17/11

Completed: 3/17/11

Oper.:

Sub-Contractor: TREC Environmental

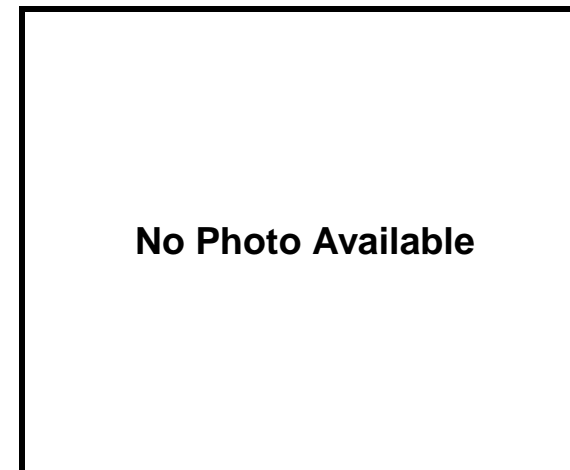
Equipment: JD 200C 1C

**Site Photos**

TP-23



TP-23



| Depth Below Surface (Ft.) | Sample Number | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks                                                                                                                                                                  |
|---------------------------|---------------|-----------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2                         |               |                 | 0         |                                                                                                                                                                                                      |
| 4                         |               |                 | 0         |                                                                                                                                                                                                      |
| 6                         |               |                 | 0         |                                                                                                                                                                                                      |
| 8                         |               |                 | 0         |                                                                                                                                                                                                      |
| 10                        |               |                 | 0         |                                                                                                                                                                                                      |
| 12                        |               |                 | 0         |                                                                                                                                                                                                      |
| 13.5'                     |               |                 | 0         | 0-13.5': C&D debris, sand to boulder, brick, concrete, rebar, pipes, sheet metal, concrete slab encountered at 13.5', moist-dry, musty odor, no coal, no vertical structure noted (horiz. slab only) |

Remarks: TP included a greater proportion of metal debris and greater/more consistent proportion of large pieces of C&D debris than the previous TP's today.

**Test Pit Log**

Project No.: 4216

Page 1 of 1

Test Pit: TP-24

Project Name: Orchard /Whitney RI/IRM

Client: City of Rochester

Dimensions: 19'x7'x14.5'

Weather: Hazy Sun, 60°

Tech.: GLA

Date Started: 3/17/11

Completed: 3/18/11

Oper.:

Sub-Contractor: TREC Environmental

Equipment: JD 200C 1C

**Site Photos**

TP-24



TP-24



| Depth Below Surface (Ft.) | Sample Number | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks                                                                             |
|---------------------------|---------------|-----------------|-----------|-----------------------------------------------------------------------------------------------------------------|
| 2                         |               |                 | 0         | 0-2': Crushed brick, concrete f sand-cobble, dry, no odor.                                                      |
| 4                         |               |                 | 0         |                                                                                                                 |
| 6                         |               |                 | 0         | 2-5': similar material w/ lighter (whitish) color.                                                              |
| 8                         |               |                 | 0         |                                                                                                                 |
| 10                        |               |                 | 0         |                                                                                                                 |
| 12                        |               |                 | 0         |                                                                                                                 |
| 14.5                      | ?             | 14.5'           | 0         | 5-14.5': Similar material w/ larger proportion of boulder pieces, metal (pipe/rebar) moist, musty odor, darker. |

Remarks: Collected sample from bottom, pit extends 19' southward from line 11 to south well of 415 highrise, 9' south of wall (see map)

**Test Pit Log**

Project No.: 4216

Page 1 of 1

Test Pit: TP-25

Project Name: Orchard /Whitney RI/IRM

Client: City of Rochester

Dimensions:

Weather: 50°

Tech.: GLA

Date Started: 3/18/11

Completed: 3/18/11

Oper.:

Sub-Contractor: TREC Environmental

Equipment: JD 200C 1C

**Site Photos**

TP-25

| Depth Below Surface (Ft.) | Sample Number | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks                                                                                                 |
|---------------------------|---------------|-----------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------|
| 2                         |               |                 | 0         |                                                                                                                                     |
| 4                         |               |                 | 0         |                                                                                                                                     |
| 6                         |               |                 | 0         |                                                                                                                                     |
| 8                         |               |                 | 0         | 0-8': Fine sand, to boulders, C&D debris, large amounts of metal, large pieces of concrete, moist, no odor, no rails, ties or coal. |
| 10                        |               |                 | 0         |                                                                                                                                     |
| 12                        |               |                 | 0         | 8-12': Brown-dark brown cmf sand and cmf gravel, some silt, moist, no odor - looks layered like compacted backfill.                 |
| 20                        |               |                 | 0         | 12-20': Native soil, medium brown mf sand, moist, no odor, no standing water, but wet at 20'.                                       |



TP-25 (looking west)



Remarks: Encountered TP across width of fill in former rail enclosure.

**Test Pit Log**

Project No.: 4216

Page 1 of 1

Test Pit: TP-26

Project Name: Orchard /Whitney RI/IRM

Client: City of Rochester

Dimensions: 15'x5'x15'

Weather: Sunny, 50°

Tech.: ED

Date Started: 3/18/11

Completed: 3/18/11

Oper.:

Sub-Contractor: TREC Environmental

Equipment: JD 200C 1C

**Site Photos**

TP-26



TP-26



| Depth Below Surface (Ft.) | Sample Number | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks                                                                                                                                                                        |
|---------------------------|---------------|-----------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2                         |               |                 | 0         |                                                                                                                                                                                                            |
| 4                         |               |                 | 1         | 0-3': Vault depth once debris removed, wooded floor with rails intact.<br>3-4': Stone rail bedding is cemented/covered w/ creosote (creosote odor); RR ties creosote preserved.                            |
| 6                         |               |                 | 5-6       |                                                                                                                                                                                                            |
| 8                         |               |                 |           |                                                                                                                                                                                                            |
| 10                        |               |                 |           |                                                                                                                                                                                                            |
| 12                        |               |                 |           |                                                                                                                                                                                                            |
| 15                        |               |                 |           | 4-15': Medium brown silt with sand; moist; little f-c gravel, underlain by ash, brick, dark brown fill material, no unusual odors or staining, mixed fill, moist-wet (ash/brick/masonry layer 6-7" thick). |

Remarks: Collect sample from 14-15' below rail bed grade (bottom of 3' deep vault)

**Test Pit Log**

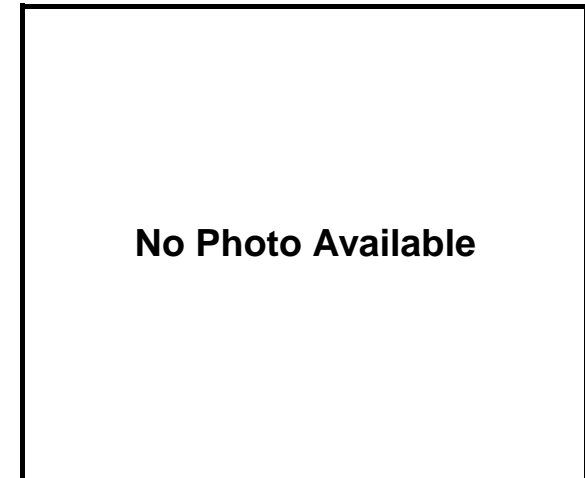
Project No.: 4216      Page 1 of 1      Test Pit: TP-27  
 Project Name: Orchard /Whitney RI/IRM  
 Client: City of Rochester      Tech.: ED  
 Dimensions: 7'x4'x1'      Weather: Sunny, 55°      Oper.:  
 Date Started: 3/18/11      Completed: 3/18/11  
 Sub-Contractor: TREC Environmental      Equipment: JD 200C 1C

**Site Photos**

TP-27



TP-27



| Depth Below Surface (Ft.) | Sample Number | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks                                                           |
|---------------------------|---------------|-----------------|-----------|-----------------------------------------------------------------------------------------------|
| 2                         |               |                 | 0         | 0-1': Concrete vault filled w/ medium brown silt/sand, concrete pieces, concrete floor at 1'. |
| 4                         |               |                 |           |                                                                                               |
| 6                         |               |                 |           |                                                                                               |
| 8                         |               |                 |           |                                                                                               |
| 10                        |               |                 |           |                                                                                               |
| 12                        |               |                 |           |                                                                                               |

Remarks:

**Test Pit Log**

Project No.: 4216

Page 1 of 1

Test Pit: TP-28

Project Name: Orchard /Whitney RI/IRM

Client: City of Rochester

Dimensions: 21'x12'x5'

Weather: Sunny, 55°

Tech.: ED

Date Started: 3/18/11

Completed: 3/21/11

Oper.:

Sub-Contractor: TREC Environmental

Equipment: JD 200C 1C

**Site Photos**

TP-28



TP-28



| Depth Below Surface (Ft.) | Sample Number | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks                                                                                                                                   |
|---------------------------|---------------|-----------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2                         |               |                 | 0         |                                                                                                                                                                       |
| 4                         |               |                 | 0         |                                                                                                                                                                       |
| 6                         |               |                 | 0         | 0-5': Dark brown-black fill soil (silt/sand) w/ brick, concrete, steel, wood building demo debris, encounter concrete bldg slab @ 5', no indication of contamination. |
| 8                         |               |                 | 0         | 6-8': Light brown silt, Fe mottling; trace clay; trending to gray-brown. Rose-gray silt; little weathered rock; moist-wet.                                            |
| 10                        |               |                 |           |                                                                                                                                                                       |
| 12                        |               |                 |           |                                                                                                                                                                       |
| 15                        |               |                 |           |                                                                                                                                                                       |

Remarks: Clean fill materials to allow access for hoe-ram to break through concrete.

Break thru concrete; encounter bedrock @ 8' below concrete; no evidence of contamination (Collect soil sample from 8' below ground surface. Groundwater @ 6'.

**Test Pit Log**

Project No.: 4216

Page 1 of 1

Test Pit: TP-29

Project Name: Orchard /Whitney RI/IRM

Client: City of Rochester

Dimensions: 12'x4'x5.5'

Weather: Sunny, 55°

Tech.: ED

Date Started: 3/18/11

Completed: 3/22/11

Oper.:

Sub-Contractor: TREC Environmental

Equipment: JD 200C 1C

**Site Photos**

TP-29



TP-29



| Depth Below Surface (Ft.) | Sample Number | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks                                                                                                                                         |
|---------------------------|---------------|-----------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2                         |               |                 | 0         |                                                                                                                                                                             |
| 4                         |               |                 | 0         |                                                                                                                                                                             |
| 6                         |               |                 | 309       | 0-5.5': Dark brown-black fill soil (silt/sand) w/ brick, concrete, steel, wood building demo debris, encounter concrete building slab @ 5'; no indication of contamination. |
| 8                         |               |                 |           | 5.5-7.5': Silt, trace clay, Fe mottling, moist light brown-gray. Bedrock @ 7.5'.                                                                                            |
| 10                        |               |                 |           |                                                                                                                                                                             |
| 12                        |               |                 |           |                                                                                                                                                                             |
| 15                        |               |                 |           |                                                                                                                                                                             |

Remarks: Dig Berm out to concrete floor slab to allow access to hoe-ram for sub-surface investigation. Collect soil sample from pipe, from soil at 1' (90 ppm) and from bedrock interface (0 ppm). Rock at 7.5', groundwater @ 6'.



**Test Pit Log**

Project No.: 4216

Page 1 of 1

Test Pit: TP-30

Project Name: Orchard /Whitney RI/IRM

Client: City of Rochester

Dimensions: 12'x5'x11.5'

Weather: Overcast, 35°

Tech.: ED

Date Started: 3/22/11

Completed: 3/22/11

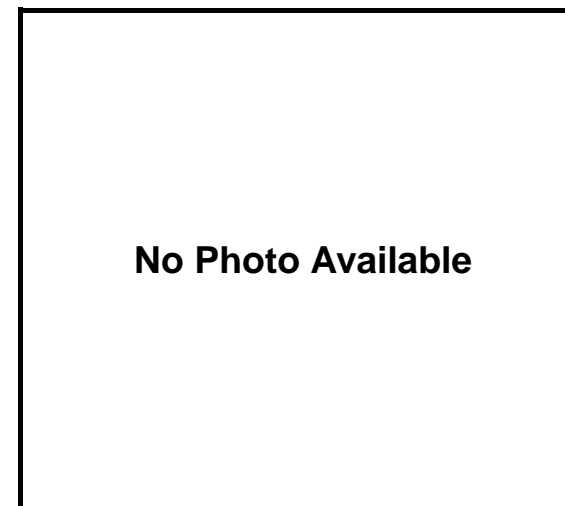
Oper.:

Sub-Contractor: TREC Environmental

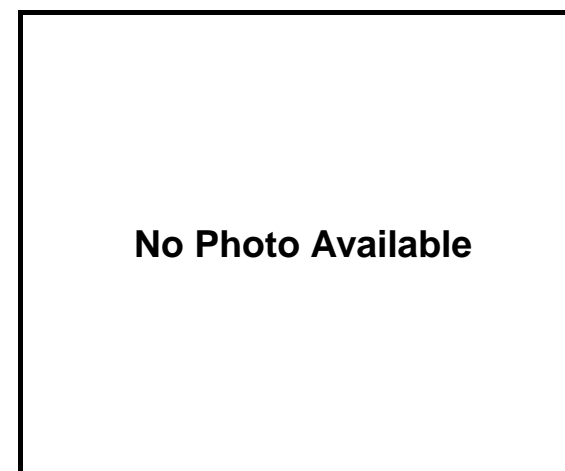
Equipment: JD 200C 1C

**Site Photos**

TP-30



TP-30



| Depth Below Surface (Ft.) | Sample Number | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks                            |
|---------------------------|---------------|-----------------|-----------|----------------------------------------------------------------|
| 2                         |               |                 | 0         | 0-1.5': Ash, sand, gravel, fill; gray-black, dry               |
| 4                         |               |                 | 0         | 1.5-3': Dark brown silt w/ gravel; moist                       |
| 6                         |               |                 | 0         | 3-5': gray-brown silty sand; some Fe gravel; moist             |
| 8                         |               |                 | 0         |                                                                |
| 10                        |               |                 | 0         | 5-11.5': Orange-red-brown silty F-sand; moist-wet; Fe mottling |
| 12                        |               |                 | 0         |                                                                |

Remarks: Ground water seeping slowly into test pit around 8'; no staining or odors/PID readings; collected soil from 11.5 @ bedrock. Bedrock @ 11.5', water @ 8'.

**Test Pit Log**

**Site Photos**

Project No.: 4216

Page 1 of 1

Test Pit: TP-31

Project Name: Orchard /Whitney RI/IRM

Client: City of Rochester

Dimensions: 10'x4'x9.5'

Weather: Overcast, 35°

Tech.: ED

Date Started: 3/22/11

Completed: 3/22/11

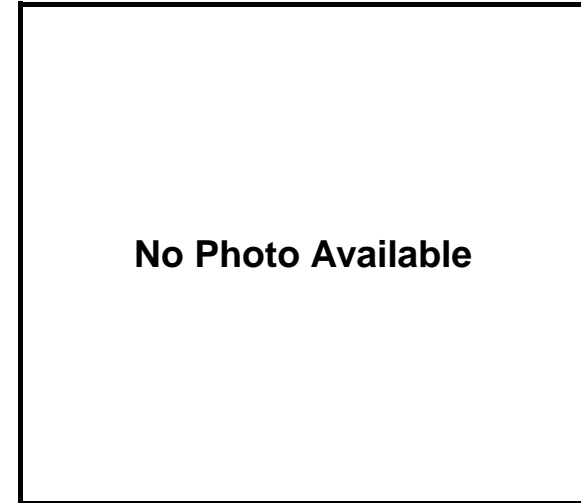
Oper.:

Sub-Contractor: TREC Environmental

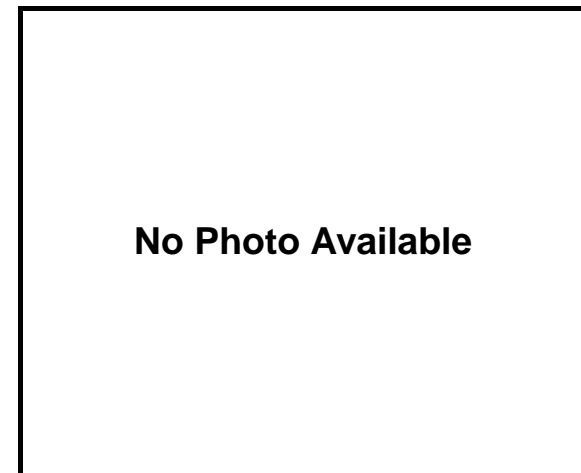
Equipment: JD 200C 1C

TP-31

| Depth Below Surface (Ft.) | Sample Number | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks                      |
|---------------------------|---------------|-----------------|-----------|----------------------------------------------------------|
| 2                         |               |                 | 0         | 0-1': Black ash, sand fill                               |
| 4                         |               |                 | 0         |                                                          |
| 6                         |               |                 | 0         |                                                          |
| 8                         |               |                 | 30        |                                                          |
| 10                        |               |                 | 0         | 1-9.5': Medium brown silty sand w/ fc gravel; moist-wet. |
| 12                        |               |                 |           |                                                          |



TP-31



Remarks: Encounter discolored gray soil (saturated) @ 8'±; petroleum odor and appeared to be "pocket" isolated around 8'; PID readings ranged from 20-30ppm on contamination; test pit close to tank area (USTs). Rock @ 9.5', groundwater @8'.

**Test Pit Log**

**Site Photos**

Project No.: 4216

Page 1 of 1

Test Pit: TP-32

Project Name: Orchard /Whitney RI/IRM

Client: City of Rochester

Dimensions: 10'x4'x11'

Weather: Overcast, 35°

Tech.: ED

Date Started: 3/22/11

Completed: 3/22/11

Oper.:

Sub-Contractor: TREC Environmental

Equipment: JD 200C 1C

TP-32

| Depth Below Surface (Ft.) | Sample Number | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks                  |
|---------------------------|---------------|-----------------|-----------|------------------------------------------------------|
| 2                         |               |                 | 0         | 0-6": Black silt fill                                |
|                           |               |                 |           | 6-1.5': Chocolate brown silty sand                   |
| 4                         |               |                 | 0         |                                                      |
| 6                         |               |                 | 0         |                                                      |
| 8                         |               |                 | 0         |                                                      |
| 10                        |               |                 | 0         | 1.5-10': Light brown me sand; little silt, moist.    |
| 12                        |               |                 | 0         | 10-11': Rose brown silt; trace clay, some sand, wet. |
|                           |               |                 |           |                                                      |

**No Photo Available**

TP-32

**No Photo Available**

Remarks: Collect sample from black fill soil directly under slab (0.0 ppm) and from soil at bedrock. Rock @ 11', ground water @ 9'.

**Test Pit Log**

**Site Photos**

Project No.: 4216

Page 1 of 1

Test Pit: TP-33

Project Name: Orchard /Whitney RI/IRM

Client: City of Rochester

Dimensions: 10'x4.5'x10.5'

Weather: Overcast, 35°

Tech.: ED

Date Started: 3/22/11

Completed: 3/22/11

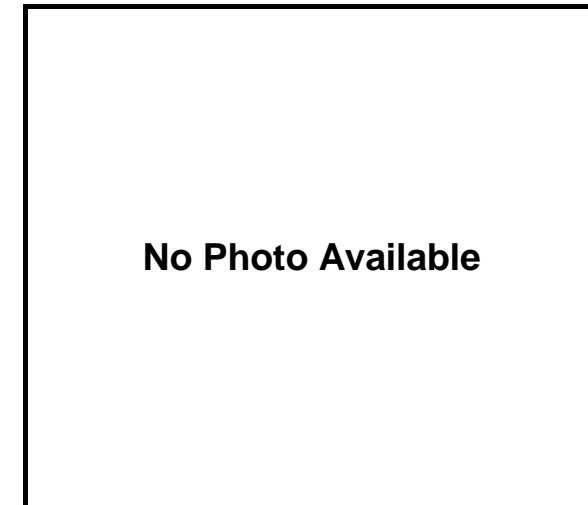
Oper.:

Sub-Contractor: TREC Environmental

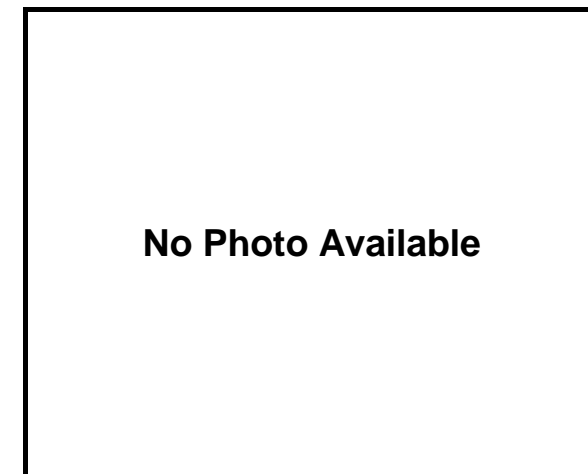
Equipment: JD 200C 1C

TP-33

| Depth Below Surface (Ft.) | Sample Number | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks                                         |
|---------------------------|---------------|-----------------|-----------|-----------------------------------------------------------------------------|
| 2                         |               |                 | 0         | 0-1': Black sand/silt fill                                                  |
| 4                         |               |                 | 0         |                                                                             |
| 6                         |               |                 | 0         |                                                                             |
| 8                         |               |                 | 0         | 1-7': Brown silt/sand                                                       |
| 10                        |               |                 | 0         |                                                                             |
| 12                        |               |                 | 0         | 7-10.5': Rose brown silty fm sand; trace clay; moist wet cobbles (rounded). |



TP-33



Remarks: No evidence of contamination. Rock @ 10.5'.

**Test Pit Log**

Project No.: 4216

Page 1 of 1

Test Pit: TP-34

Project Name: Orchard /Whitney RI/IRM

Client: City of Rochester

Dimensions: 10'x4'x9'

Weather: Overcast, 35°

Tech.: ED

Date Started: 3/22/11

Completed: 3/22/11

Oper.:

Sub-Contractor: TREC Environmental

Equipment: JD 200C 1C

**Site Photos**

TP-34 (Looking north)



TP-34 (Looking northwest)



| Depth Below Surface (Ft.) | Sample Number | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks               |
|---------------------------|---------------|-----------------|-----------|---------------------------------------------------|
| 2                         |               |                 | 0         |                                                   |
| 4                         |               |                 | 0         |                                                   |
| 6                         |               |                 | 0         |                                                   |
| 8                         |               |                 | 0         | 0-8': Fill, ash, brick, block, silt/sand & gravel |
| 10                        |               |                 | 0         | 8-9': Rose brown silty sand w/ cobbles            |
| 12                        |               |                 |           |                                                   |

Remarks: None.

**Test Pit Log**

Project No.: 4216

Page 1 of 1

Test Pit: TP-35

Project Name: Orchard /Whitney RI/IRM

Client: City of Rochester

Dimensions: 10'x4.5'x11'

Weather: Overcast, 35°

Tech.: ED

Date Started: 3/22/11

Completed: 3/22/11

Oper.:

Sub-Contractor: TREC Environmental

Equipment: JD 200C 1C

**Site Photos**

TP-35



TP-35



| Depth Below Surface (Ft.) | Sample Number | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks |
|---------------------------|---------------|-----------------|-----------|-------------------------------------|
| 2                         |               |                 | 0         |                                     |
| 4                         |               |                 | 0         |                                     |
| 6                         |               |                 | 0         |                                     |
| 8                         |               |                 | 0         |                                     |
| 10                        |               |                 | 0         |                                     |
| 12                        |               |                 |           |                                     |

Remarks: This test pit is a feature w/ metal pipes cut off @ concrete (unknown feature); uncover 10" VCT pipe @ 5.5'; pipe contents black w. waste/sewer odor 21 ppm peak, sample contents, no staining around pipe or PID readings, pipe trends n/s. Iron pipe run through test pit 1' below concrete, no contents, odors or elevated PID readings associated w/ piping network, no stained soil. Rock @ 11', groundwater @ 8.5'

**Test Pit Log**

Project No.: 4216

Page 1 of 1

Test Pit: TP-36

Project Name: Orchard /Whitney RI/IRM

Client: City of Rochester

Dimensions: 10'x4'x11'

Weather: Overcast, 38°

Tech.: ED

Date Started: 3/22/11

Completed: 3/22/11

Oper.:

Sub-Contractor: TREC Environmental

Equipment: JD 200C 1C

**Site Photos**

TP-36



TP-36



| Depth Below Surface (Ft.) | Sample Number | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks                         |
|---------------------------|---------------|-----------------|-----------|-------------------------------------------------------------|
| 2                         |               |                 | 0         |                                                             |
| 4                         |               |                 | 0         |                                                             |
| 6                         |               |                 | 0         | 0-6': Red-brown silty fc sand w/ fc gravel; moist; cobbles. |
| 8                         |               |                 | 0         |                                                             |
| 10                        |               |                 | 0         |                                                             |
| 12                        |               |                 |           | 6-11': Rose-brown silty sand w/ gravel; cobbles; wet.       |

Remarks: No evidence of contamination, no sample. Rock @ 11', groundwater @ 8'.

**Test Pit Log**

**Site Photos**

Project No.: 4216

Page 1 of 1

Test Pit: TP-37

Project Name: Orchard /Whitney RI/IRM

Client: City of Rochester

Dimensions: 10'x4.5'x10.5'

Weather: Overcast, 35°

Tech.: ED

Date Started: 3/22/11

Completed: 3/22/11

Oper.:

Sub-Contractor: TREC Environmental

Equipment: JD 200C 1C

TP-37

| Depth Below Surface (Ft.) | Sample Number | Depth of Sample | PID (ppm) | Soil & Rock Classifications/Remarks                                         |
|---------------------------|---------------|-----------------|-----------|-----------------------------------------------------------------------------|
| 2                         |               |                 | 0         | 0-1': Black sand/silt fill                                                  |
| 4                         |               |                 | 0         |                                                                             |
| 6                         |               |                 | 0         |                                                                             |
| 8                         |               |                 | 0         | 1-7': Brown silt/sand                                                       |
| 10                        |               |                 | 0         |                                                                             |
| 12                        |               |                 | 0         | 7-10.5': Rose brown silty fm sand; trace clay; moist wet cobbles (rounded). |

**No Photo Available**

TP-37

**No Photo Available**

Remarks: No evidence of contamination. Rock @ 10.5', groundwater @ 9'.



# Test Pit Log

Test Pit No. TP-1

Equipment Used: KOMATSU HAMMER  
DEEKS BELMONT

Project: Orchard-Whitney SSI

Lu Project No.: 4216-06

Weather: SUN, CLEAR Temp.: 75°

Date: 7/13/15

Field Engineer/Geologist: ARI CHENEMERTZ

Test Pit Dimensions: 15' x 8' x 6' (Approx.)  
 Length Width Depth

| Depth | PID Reading | Description                                                             |
|-------|-------------|-------------------------------------------------------------------------|
| 0-1'  | 0.0         | CONCRETE SLAB                                                           |
| 1-2   | 0.0         | SANDY, LOW MOISTURE, MED-BROWN,<br>LOW AGGREGATE.                       |
| 2-4   | 0.0         | BOTTOM OF ELEVATOR SHAFT, BROKEN<br>THROUGH, SOIL = SANDY, LOW MOISTURE |
| 4-6   | 0.0         | SANDY, LOW-MOISTURE, MED-BROWN,<br>LOW AGGREGATE                        |
|       |             |                                                                         |

Comments

- No rock encountered; or
- Rock encountered at \_\_\_\_\_ feet
- Perch/Seepage water encountered at \_\_\_\_\_ feet
- No groundwater encountered; or
- Ground water encountered at \_\_\_\_\_ feet

Remarks: SAMPLE COLLECTION @ 0940 ID: OW-TP-01

PID: 0.0 APPX

# Test Pit Log

Test Pit No. TP-2

Equipment Used: KOMATSU MANNING  
DIGGER EXCAVATOR

Project: Orchard-Whitney SSI

Weather: SUN, CLEAR Temp.: 80°

Lu Project No.: 4216-06

Date: 7/3/15

Field Engineer/Geologist: ARI CHISEMSEFF

Test Pit Dimensions: 12' x 12' x 9' (Approx.)  
Length Width Depth

| Depth | PID Reading | Description                                                                       |
|-------|-------------|-----------------------------------------------------------------------------------|
| 0-1+  | 0.2         | CONCRETE                                                                          |
| 2-4   | 0.0         | SANDY, MED-BROWN, MOIST SOIL<br>SMALL SIZE AGGREGATES.                            |
| 4-6   | 0.7         | CONCRETE SLAB @ BASE of elevator<br>VAULT. BROKE UP, EXPOSED SANDY, MOIST<br>SOIL |
| 6-9   | 0.0         | SANDY, MOIST, SOIL                                                                |
|       |             |                                                                                   |

### Comments

- No rock encountered; or
- Rock encountered at \_\_\_\_\_ feet
- Perch/Seepage water encountered at \_\_\_\_\_ feet
- No groundwater encountered; or
- Ground water encountered at \_\_\_\_\_ feet

Remarks: SAMPLE DW-TP-02 CONCRETE @ 1045

PID 0.0 ppm

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Test Pit Log

Test Pit No. TP-3

Equipment Used: KOMATSU HAMMER  
DEEPS EXC.

Project: Orchard-Whitney SSI

Lu Project No.: 4216-06

Weather: SUN CLEAR Temp.: 80°

Date: 7/3/15

Field Engineer/Geologist: Ali CHEMIST

Test Pit Dimensions: 10 x 7.5 x 10 (Approx)  
Length Width Depth

| Depth | PID Reading | Description                                                                    |
|-------|-------------|--------------------------------------------------------------------------------|
| 0-1'  | 0.8         | CONCRETE - SOME PURPLE STAINING ON THE CONCRETE, ASH/CINDER MAT'L BENEATH      |
| 1-5'  | 0.0         | SANDY, CLAYEY, LOW MOISTURE, LOW ABGREGATION SOIL HAS SOME (MINIMAL) ASH MAT'L |
| 5-8   | 0.0         | SANDY, CLAYEY, SOME SLIGHT PETROL. ODOR - NO READINGS ON PID.                  |
| 8-10  | 0.0         | SANDY, LOW MOIST. SOIL                                                         |
|       |             |                                                                                |

### Comments

- No rock encountered; or
- Rock encountered at \_\_\_\_\_ feet
- Perch/Seepage water encountered at \_\_\_\_\_ feet
- No groundwater encountered; or
- Ground water encountered at \_\_\_\_\_ feet

Remarks: SAMPLE OW-TP-03 COLLECTED @ 1205



## Test Pit Log

Test Pit No. TP-4

Equipment Used: KOMATSU HAMMILL DEERE EXC.

Project: Orchard-Whitney SSI

Lu Project No.: 4216-06

Weather: SUN, CLEAR, HOT Temp.: 85°

Date: 7/13/15

Field Engineer/Geologist: ARI CHANDRASEKAR

Test Pit Dimensions: 12.5' x 8' x 8.5'  
Length Width Depth

| Depth | PID Reading | Description                                                                     |
|-------|-------------|---------------------------------------------------------------------------------|
| 0-1+  | 0.0         | CONCRETE SLAB                                                                   |
| 2-4   | 0.0         | SANDY, LOW MOISTURE SOIL. CONCRETE PIPE ENCOUNTERED IN MARGIN OF EXC. NOT DISCU |
| 4-8.5 | 0.0         | SANDY, LOW MOISTURE, MED-BROWN, LOW AGGREGATE ANTI. SOIL                        |
|       |             |                                                                                 |
|       |             |                                                                                 |

### Comments

- No rock encountered; or
- Rock encountered at 8.5 feet
- Perch/Seepage water encountered at \_\_\_\_\_ feet
- No groundwater encountered; or
- Ground water encountered at \_\_\_\_\_ feet

Remarks: SAMPLE DW-TP-04 COLLECTED @ 1325

0.0 ppm

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# Test Pit Log

Test Pit No. TP-5

Equipment Used: KOMATSU HAMMER  
DEERE EXC.

Project: Orchard-Whitney SSI

Lu Project No.: 4216-06

Weather: SUN, HOT Temp.: 85°

Date: 7/13/15

Field Engineer/Geologist: ALI CUCUMERCI

Test Pit Dimensions: 14' x 6.5' x 10'  
Length Width Depth

| Depth | PID Reading | Description                                                             |
|-------|-------------|-------------------------------------------------------------------------|
| 0-2   | 0.0         | LOPCASTE, MED-BROWN SANDY SOIL.                                         |
| 2-4   | 0.0         | MED BROWN, LOW MOISTURE SANDY SOIL. PIPES ENCOUNTERED - NO PID READINGS |
| 4-6   | 0.0         | SOME LARGE BOULDERS, SANDY, MED-BROWN SOIL.                             |
| 6-10  | 0.0         | SANDY, MED-BROWN, CLAYEY, HIGH MOISTURE, LOW AGGREGATES.                |
|       |             |                                                                         |

### Comments

- No rock encountered; or
- Rock encountered at NOT feet
- Perch/Seepage water encountered at 10 feet
- No groundwater encountered; or
- Ground water encountered at 10 feet

Remarks: PIPE DIAMETERS - 2" + 4" BOTH RUNNING N-S.

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## Test Pit Log

Test Pit No. TP-6

Equipment Used: DUCE HAMMER DRILL  
DEEPE EXCAVATOR

Project: Orchard-Whitney SSI

Weather: CLOUDY 14/15 Temp.: 72°

Lu Project No.: 4216-06

Date: 7/14/15

Field Engineer/Geologist: ARI CHENG

Test Pit Dimensions: 15' x 8' x 12' (Approx.)  
Length Width Depth

| Depth | PID Reading | Description                                                                          |
|-------|-------------|--------------------------------------------------------------------------------------|
| 0-2   | 0.0         | CONCRETE, ASH/FILL MATERIALS → RED/BROWN CLAYEY SOIL                                 |
| 2-4   | 0.2         | RED-BROWN CLAYEY SANDY SOIL; LOW MOISTURE - NAPHTHALENE OIL                          |
| 4-8   | 0.0         | RED-BROWN SANDY SOIL, LOW MOISTURE, NO OIL.                                          |
| 8-12  | 0.0         | WATER ENCOUNTERED RED-BROWN CLAYEY, SAND. NAPHTHA. OIL. SOME GREY CLAY @ LOWER DEPTH |
|       |             |                                                                                      |

### Comments

- No rock encountered; or
- Rock encountered at 12 feet
- Perch/Seepage water encountered at 8+ feet
- No groundwater encountered; or
- Ground water encountered at \_\_\_\_\_ feet

Remarks: SAMPLE OW-TP-06 + OW-TP 06 MS/MSD @ 0X35  
MS/MSD @ THIS LOCATION PID: 0.0 PPM

## Test Pit Log

Test Pit No. TP-7

Equipment Used: KOMATSU HAMMER  
DEERE EXCAVATOR

Weather: SUN, CLEAR Temp.: 80°

Field Engineer/Geologist: ANU CHEREMETSKY

Test Pit Dimensions: 11.5 x 7.11 x 9  
Length Width Depth

Project: Orchard-Whitney SSI

Lu Project No.: 4216-06

Date: 7/14/15 @ 0930

| Depth | PID Reading | Description                                                             |
|-------|-------------|-------------------------------------------------------------------------|
| 0-2   | 0.0         | CONCRETE, FILL MATERIAL                                                 |
| 2-4   | 0.0         | DARK, DAMP, FILL MATL CINDER BLOCKS<br>BROKEN BRICKS, ROSS, WOOD, REBAR |
| 4-6   | 0.0         | " "                                                                     |
| 6-9   | 0.0         | " " → CONCRETE                                                          |
|       |             |                                                                         |

### Comments

- No rock encountered; or
- Rock encountered at \_\_\_\_\_ feet
- Perch/Seepage water encountered at \_\_\_\_\_ feet
- No groundwater encountered; or
- Ground water encountered at \_\_\_\_\_ feet

Remarks: SAMPLE OW-TP-07 COLLECTED @ 1245

PID 0.0 ppm

## Test Pit Log

Test Pit No. TP-8

Equipment Used: KOMATSU HAMMER  
DIESEL EXCAVATOR

Project: Orchard-Whitney SSI

Weather: RAIN, CLOUDY Temp.: 75°

Lu Project No.: 4216-06

Date: 7/14/15

Field Engineer/Geologist: ARI CUCASNIFF

Test Pit Dimensions: 12 x 6 x 9  
Length Width Depth

| Depth | PID Reading | Description                                                                       |
|-------|-------------|-----------------------------------------------------------------------------------|
| 0-2   | 0.0         | CONCRETE - FILL MAT                                                               |
| 2-4   | 0.2         | FILL MAT - DARK BROWN SOIL W/<br>BROKEN BRICK, CTW, WOOD, ROOTS                   |
| 4-6   | 0.1         | 2 WATER PIPE LINES RUNNING N-S<br>DISC. UNTOUCHED/UNDAMAGED. SOIL SAME            |
| 6-9   | 0.0         | FILL MAT INTERMIXED W/ MORE NATIVE<br>SANDY SOIL. NO EVIDENCE OF PIPES OR<br>2-4' |
|       |             |                                                                                   |

### Comments

- No rock encountered; or  
 Rock encountered at \_\_\_\_\_ feet  
 Perch/Seepage water encountered at \_\_\_\_\_ feet  
 No groundwater encountered; or  
 Ground water encountered at \_\_\_\_\_ feet

Remarks: SAMPLE OW-TP-08 COLLECTED @ 1415

D. O. PERM PID - 0.0 PERM



# Test Pit Log

Test Pit No. TP-9

Equipment Used: KOMATSU HAMMER  
DIESEL EXCAVATOR

Project: Orchard-Whitney SSI

Lu Project No.: 4216-06

Weather: GREY, MIST/RAIN Temp.: 55°

Date: 7/15/15

Field Engineer/Geologist: Ari CHEREMISHEFF

Test Pit Dimensions: 20 x 12 x 13 (Approx.)  
Length Width Depth

| Depth | PID Reading                  | Description                                                             |
|-------|------------------------------|-------------------------------------------------------------------------|
| 0-2   | 0.0                          | concrete, crushed brick, fill mat's then sand, med-brown w/ fill mat's. |
| 2-4   | 3.3ppm (2.5')<br>5.3ppm (4') | Sandy, med-brown w/ mixed crushed brick fill. BOTTOM of elev.           |
| 4-6   | 0.9                          | sand - med brown. under concrete elev. floor.                           |
| 6-8   | 0.0                          | " "                                                                     |
| 8-13  | 0.0                          | " " some water entering pit.                                            |

Comments

- No rock encountered; or
- Rock encountered at 13' feet bgs
- Perch/Seepage water encountered at \_\_\_\_\_ feet
- No groundwater encountered; or
- Ground water encountered at 12-13' feet bgs.

Remarks: SAMPLE OW-TP-09 COLLECTED @ 1020  
ALSO Blind DUP (OW-BD-01) COLLECTED @  
THIS LOCATION.

# Test Pit Log

Test Pit No. TP-10

Equipment Used: KOMATSU HAMMER  
DEERE EXCAVATOR

Project: Orchard-Whitney SSI

Lu Project No.: 4216-06

Weather: OVERCAST Temp.: 60°

Date: 7/15/15

Field Engineer/Geologist: ARI CHERNETOFF

Test Pit Dimensions: 17 x 8.5 x ~12' to bedrock (approx.)  
 Length Width Depth

| Depth | PID Reading | Description                                                                       |
|-------|-------------|-----------------------------------------------------------------------------------|
| 0-2   | 0.0         | Concrete, fill mat'l. closed<br>brick sand                                        |
| 2-4   | 0.0         | Med-brown sand w/ some<br>fill mat'l.                                             |
| 4-6   | -0.0        | PIPE ENCOUNTERED W/ METALLIC SWDGE.<br>NO ELEVATED PID READING - SAMPLE COLLECTED |
| 6-8   | 54.1        | DARK, STAINED SOIL W/ HEAVY PETROL.<br>" OIL @ ~7.5' bgs                          |
| 8-10  | 37.0        | " "                                                                               |

### Comments

- No rock encountered; or
- Rock encountered at ~12' feet
- Perch/Seepage water encountered at \_\_\_\_\_ feet
- No groundwater encountered; or
- Ground water encountered at \_\_\_\_\_ feet

Remarks: SAMPLE OW-TP-10 @ 1230 & METALLIC SWDGE FOUND: OW-TP-10-17 @ 1230 (1 CONTAINER)  
ORIGINAL TP-10 LOCATION ENCOUNTERED A PIPE CHASE THAT CONT. PACH PIPE WRAP. MOVED TP-10 OVER JUST EAST ABUTTING PIPE CHASE LOC.

## Test Pit Log

Test Pit No. TP-11

Equipment Used: KOMATSU HAMMER  
DEERE EXCAVATOR

Project: Orchard-Whitney SSI

Lu Project No.: 4216-06

Weather: Clear, Sun Temp.: 75°

Date: 7/15/15

Field Engineer/Geologist: ARI CHENOMSTERK

Test Pit Dimensions: 14.1 x 7' x 12  
Length Width Depth

| Depth | PID Reading                 | Description                                                     |
|-------|-----------------------------|-----------------------------------------------------------------|
| 0-2   | 0.0                         | concrete, fill mat'l for 1'+<br>turned to sandy, med-brown, dry |
| 2-4   | 0.0                         | w/ crushed brick<br>sandy, med-brown, dry w/ crushed            |
| 4-6   | 0.5                         | " " fill mat'l.                                                 |
| 6-8   | 22.1ppm (4")<br>8.0ppm (8") | " " small area of<br>dark brown mat'l, no odor.                 |
| 8-12  | 0.0                         | " "                                                             |

### Comments

- No rock encountered; or
- Rock encountered at 12 feet
- Perch/Seepage water encountered at \_\_\_\_\_ feet
- No groundwater encountered; or
- Ground water encountered at \_\_\_\_\_ feet

Remarks: SAMPLE OUT TP-11 COLLECTED @ 1400

SOIL WAS TO BUILDING 9' - 6.7"

# Test Pit Log

Test Pit No. TP-12

Equipment Used: KOMATSU HAMMER  
DEERE EXCAVATOR

Project: Orchard-Whitney SSI

Lu Project No.: 4216-06

Weather: CLEAR SUN Temp.: 60°

Date: 7/16/15

Field Engineer/Geologist: ARI CHERENIEFF

Test Pit Dimensions: 15'3" x 8'4" x 12'  
 Length Width Depth

| Depth  | PID Reading | Description                                                                                                |
|--------|-------------|------------------------------------------------------------------------------------------------------------|
| 0-2'   | 0.0         | CONCRETE. - VERY THICK CONCRETE<br>PIPE ENCOUNTERED. APPEARS TO BE SEWER-<br>TYPE. NO PID READINGS: 0.0ppm |
| 2-4    | 0.0         | MED BROWN SANDY SOIL W/ INTERMIXED BROWN<br>BRICK, CONCRETE, WOOD BLOCK (FURNACE) PIPES.                   |
| 4-6    | 0.0         | SANDY, MED BROWN SOIL W/ FILL<br>MATERIAL INTERMIXED. MORE PIPES- EVIDENT                                  |
| 6-8.5  | 90ppm       | SANDY, MED-BROWN CHANGING TO DARK<br>BROWN, TAR-LIKE, HEAVY PETROL OIL.                                    |
| 8.5-12 | 74ppm       | " "                                                                                                        |

### Comments

- No rock encountered; or
- Rock encountered at 12 feet
- Perch/Seepage water encountered at \_\_\_\_\_ feet
- No groundwater encountered; or
- Ground water encountered at \_\_\_\_\_ feet

Remarks: SAMPLE OW-TP-12 COLLECTED @ 0935

PID Reading 90ppm, @ Depth of ~8.5' bgs.  
once samples collected TP-12 Backfilled.

## Test Pit Log

Test Pit No. TP-13

Equipment Used: KOMATSU HANMER  
DIGGER EXCAVATOR

Weather: SUN, CLEAR Temp.: 70°

Field Engineer/Geologist: ARI CHOLENISTEY

Test Pit Dimensions: 15' x 8' x 12'  
Length Width Depth

Project: Orchard-Whitney SSI

Lu Project No.: 4216-06

Date: 7/16/15

| Depth | PID Reading         | Description                                                                                     |
|-------|---------------------|-------------------------------------------------------------------------------------------------|
| 0-2'  | (2' bgs)<br>215 ppm | CONCRETE, FILL MAT'L, DARK, SOIL, HEAVY<br><del>ROCK</del> SOIL → BRICK, CONCRETE, WOOD<br>SOIL |
| 2-4'  | 10.8 ppm            | " " SOIL<br>CONCRETE WITH ENCOUNTERED                                                           |
| 4-6'  | 24.1 ppm            | SANDY, DARK TO MED-BROWN SOIL W/ FILL<br>MAT'L HEAVY SOIL PIPE = 15.5 ppm                       |
| 6-8'  | 15.4                | " "                                                                                             |
| 8-10' | 12.5                | " "                                                                                             |

### Comments

- No rock encountered; or
- Rock encountered at 12 feet bgs.
- Perch/Seepage water encountered at \_\_\_\_\_ feet
- No groundwater encountered; or
- Ground water encountered at \_\_\_\_\_ feet

Remarks: SAMPLE DW-TP13 COLLECTED @ 1040

@ 8-10' bgs.

SOIL SOIL, ELEVATED PID READINGS

FROM ~ 2'- BD ROCK.

## Test Pit Log

Test Pit No. TP-14

Equipment Used: KOMATSU HAMMER  
DIESEL EXCAVATOR

Weather: SUN, CLEAR Temp.: 75°

Field Engineer/Geologist: ARI CHELOMEREFF

Project: Orchard-Whitney SSI

Lu Project No.: 4216-06

Date: 7/16/15

Test Pit Dimensions: 11 x 8 x 12'  
Length Width Depth

| Depth | PID Reading | Description                                 |
|-------|-------------|---------------------------------------------|
| 0-2   | 0.0         | concrete, fill w/ sand underneath           |
| 2-4   | 0.7         | Sand, med-brown, w/some crushed fill mat'l. |
| 4-6   | 0.6         | " "                                         |
| 6-12  | 0.6         | " "                                         |
|       |             |                                             |

### Comments

- No rock encountered; or
- Rock encountered at 11.5<sup>12</sup> feet
- Perch/Seepage water encountered at 12 feet
- No groundwater encountered; or
- Ground water encountered at \_\_\_\_\_ feet

Remarks: SAMPLE OW-TP-14 CON-CR50 @ 1140

PID 0.0 ppm

## Test Pit Log

Test Pit No. TP 15

Equipment Used: KOMATSU HAMMER  
DEERE Exc.

Project: Orchard-Whitney SSI

Lu Project No.: 4216-06

Weather: SUN, CLEAR Temp.: 75°

Date: 7/16/15

Field Engineer/Geologist: ARI CHELEMEROFF

Test Pit Dimensions: 15' x 3' x 12' (Approx.)  
Length Width Depth

| Depth | PID Reading | Description                                                                                             |
|-------|-------------|---------------------------------------------------------------------------------------------------------|
| 0-2'  | 0.0         | Brown, sandy soil BENGATU LAYER OF CRUSHED STONE                                                        |
| 2-4'  | 0.0         | Brown, sandy soil w/ some crushed brick, fill mat'l.                                                    |
| 4-6'  | 37.9        | Brown, sandy soil with darker brown soil, petrol odor. - concentrated to western portion of excavation. |
| 6-8   | 28.1        | " "                                                                                                     |
| 8-10  | 12.7        | " "                                                                                                     |

### Comments

- No rock encountered; or
- Rock encountered at 12 feet
- Perch/Seepage water encountered at \_\_\_\_\_ feet
- No groundwater encountered; or
- Ground water encountered at \_\_\_\_\_ feet

Remarks: SAMPLE ON TP-15 @ 1310 PID: 24.4 ppm.



## Test Pit Log

Test Pit No. TP-16

Equipment Used: KOMATSU HAMMER  
DEERE EXC.

Project: Orchard-Whitney SSI

Lu Project No.: 4216-06

Weather: SUN CLEAR Temp.: 75°

Date: 7/16/15

Field Engineer/Geologist: ARI CHEREMETEFF

Test Pit Dimensions: 14.1' x 5.2' x 12'  
Length Width Depth

| Depth | PID Reading | Description                                                 |
|-------|-------------|-------------------------------------------------------------|
| 0-2   | 0.0         | concrete, fill mat'l. sand under-neath                      |
| 2-4   | 0.7         | Sandy, med brown w/ some fill mat'l (crushed brick, stone). |
| 4-6   | 1.5         | " "                                                         |
| 6-8   | 18.7        | " " no staining or odor observed                            |
| 8-12  | 0.3         | " "                                                         |

### Comments

- No rock encountered; or
- Rock encountered at 12 feet
- Perch/Seepage water encountered at \_\_\_\_\_ feet
- No groundwater encountered; or
- Ground water encountered at \_\_\_\_\_ feet

Remarks: SAMPLE OW-TP-16 COLLECTED @ 1340

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Orchard-Whitney Site (#E828123)  
Soil Boring Summary

| Soil Boring                            | Total Depth<br>(feet bgs) | Soil Type/Condition                                                              | Bedrock<br>Depth | Saturation<br>depth (feet<br>bgs) | Peak PID Headspace<br>Reading (ppm) |
|----------------------------------------|---------------------------|----------------------------------------------------------------------------------|------------------|-----------------------------------|-------------------------------------|
| <b>RI Investigation September 2005</b> |                           |                                                                                  |                  |                                   |                                     |
| MW-01                                  | 22                        | Brown SAND and SILT, moist with trace GRAVEL                                     | 15               | 4                                 | 0                                   |
| MW-02                                  | 17                        | Brown SAND and SILT, dry some limestone<br>GRAVEL                                | 10.5             | 10.5                              | 0                                   |
| MW-03                                  | 15.5                      | Brown fine SAND and SILT, moist some GRAVEL                                      | 8.4              | 2                                 | 0.5                                 |
| MW-04                                  | 17                        | Brown CLAY some SILT, dry some GRAVEL                                            | 10.5             | 6                                 | 0                                   |
| MW-05                                  | 17                        | Brown SAND some SILT, dry                                                        | 9                | 4                                 | 0.6                                 |
| MW-06                                  | 17                        | Brown SAND some SILT, dry with trace CLAY                                        | 10               | 4                                 | 0                                   |
| <b>RI Investigation September 2008</b> |                           |                                                                                  |                  |                                   |                                     |
| MW-11                                  | 11                        | Medium brown SILT, cmf SAND moist                                                | NA               | 2                                 | 0                                   |
| MW-12                                  | 9.3                       | Medium brown SILT, cmf SAND moist                                                | NA               | 2                                 | 0                                   |
| MW-13                                  | 8.5                       | Medium brown SILT, trace CLAY, wet                                               | NA               | 2                                 | 0                                   |
| MW-14                                  | 14.5                      | Medium brown cmf SAND and SILT, moist                                            | NA               | 2                                 | 0                                   |
| MW-15                                  | 15.5                      | Brown CLAY and SILT, little GRAVEL                                               | NA               | 2                                 | 0                                   |
| MW-16                                  | 24.9                      | Brown sily CLAY and GRAVEL, moist                                                | NA               | 2.5                               | 0                                   |
| MW-17                                  | 16                        | Brown loose SILT and cmf GRAVEL, little cmf<br>SAND, little CLAY, wet            | NA               | 4                                 | 0                                   |
| MW-18                                  | 11.2                      | Brown re- worked SILTy SAND and GRAVEL, little<br>CLAY, wet                      | NA               | 8                                 | 0                                   |
| MW-19                                  | 9.5                       | Brown SILT, little SAND, trace GRAVEL and CLAY,<br>damp                          | NA               | 7                                 | 0                                   |
| MW-20                                  | 12                        | Brown CLAY and GRAVEL, damp petroleum odor                                       | NA               | 3                                 | 101                                 |
| MW-21                                  | 14                        | Brown SILT, little CLAY and GRAVEL, sturated                                     | NA               | 7                                 | 0                                   |
| MW-22                                  | 11                        | Brown f SAND and SILT, damp                                                      | NA               | 2                                 | 0                                   |
| SB-01                                  | 7                         | Light brown SILT and f SAND some m-f GRAVEL,<br>trace CLAY moist                 | NA               | 4                                 | 7.7                                 |
| SB-02 / MW-08                          | 17                        | Brown SILT and m-f SAND, little cmf GRAVEL, little<br>c SAND, little CLAY, moist | NA               | 1                                 | 0.2                                 |
| SB-03                                  | 10.6                      | Brown SILT f SAND, trace GRAVEL wet                                              | NA               | 8                                 | 0                                   |
| SB-04 / MW-09                          | 19.2                      | Brown f SAND and SILT, trace GRAVEL                                              | NA               | 9                                 | 0                                   |
| SB-05                                  | 10.7                      | Medium brown SILT, some smf SAND, little<br>GRAVEL, moist                        | NA               | 9                                 | 0                                   |
| SB-06 / MW-10                          | 13.4                      | Medium brown SILT and f SAND, little cmf GRAVEL<br>moist                         | NA               | 11.5                              | 0                                   |
| SB-07                                  | 11                        | Fill material, crushed brick and concrete, cmf<br>GRAVEL dry                     | NA               | 11                                | 0                                   |
| SB-19                                  | 18                        | Brown SILT and cmf SAND, some cmf GRAVEL wet                                     | NA               | 10.5                              | 1.3                                 |
| SB-20                                  | 14.5                      | Brown/grey cmf GRAVEL and cmf SAND some<br>SILT, wet                             | NA               | 7                                 | 0                                   |

Orchard-Whitney Site (#E828123)  
Soil Boring Summary

| Soil Boring                                          | Total Depth (feet bgs) | Soil Type/Condition                                           | Bedrock Depth | Saturation depth (feet bgs) | Peak PID Headspace Reading (ppm) |
|------------------------------------------------------|------------------------|---------------------------------------------------------------|---------------|-----------------------------|----------------------------------|
| <b>RI Investigation July 2011</b>                    |                        |                                                               |               |                             |                                  |
| PA-01                                                | 36                     | Grey-brown SILT with cmf SAND cmf GRAVEL, moist               | NA            | 2                           | 0.2                              |
| PA-02                                                | 18                     | Medium brown SILT and cmf SAND, some cmf GRAVEL wet           | NA            | 7.5                         | 0                                |
| PA-03                                                | 18.3                   | Grey-brown SILT and mf SAND and cmf GRAVEL fill, moist        | NA            | 8                           | 0                                |
| PA-04                                                | 18                     | Medium brown SILT with cmf SAND, some cmf GRAVEL, wet         | NA            | 4.5                         | 0                                |
| PA-05                                                | 17                     | Grey-brown SILT with f SAND, little cmf GRAVEL, wet           | 17.3          | 8                           | 0                                |
| PA-06                                                | 13.7                   | Grey-brown SILT with f SAND, little cmf GRAVEL, saturated     | NA            | 8                           | 0                                |
| PA-07                                                | 16.6                   | Grey- brown f SAND with SILT, some cmf GRAVEL, moist          | 16            | 7                           | 0                                |
| PA-08                                                | 18.8                   | Light brown f SAND with SILT, little cmf GRAVEL moist         | 18            | 2                           | 0                                |
| PA-09                                                | 17                     | Brown SILT f SAND, some cmf GRAVEL saturated                  | NA            | 7                           | 0                                |
| PA-10                                                | 17                     | Light brown f SAND little SILT, some cmf GRAVEL wet           | NA            | 16                          | 0                                |
| PA-11                                                | 16                     | Grey SILT with f SAND, trace GRAVEL saturated                 | 15            | 12                          | 37                               |
| PA-12                                                | 24.2                   | Grey SILT with f SAND, trace GRAVEL saturated                 | 15            | 21                          | 0                                |
| PA-13                                                | 19.5                   | Grey f SAND some SILT, some cmf GRAVEL saturated              | 17            | 7                           | 62                               |
| PA-14                                                | 18                     | Grey f SAND some SILT, some cmf GRAVEL moist                  | 18            | 16                          | 286.4                            |
| PA-15                                                | 14.5                   | Grey SILT some f SAND, trace mf GRAVEL, moist                 | NA            | 14.5                        | 0                                |
| PA-16                                                | 26                     | Grey brown SILT, some cmf GRAVEL, moist                       | 23            | 18                          | 0.3                              |
| PA-17                                                | 17.5                   | Flowable fill, vault floor grey SAND with SILT moist          | 17.8          | NA                          | 0.5                              |
| PA-18                                                | 17.4                   | Olive- light brown SILT with SAND and cmf GRAVEL, saturated   | 17.4          | 8                           | 0                                |
| MW-23 / SB-23                                        | 22                     | Grey SILT some f SAND, trace mf GRAVEL, moist                 | 22            | NA                          | 0                                |
| MW-24                                                | 4                      | Brick SILT concrete fill GRAVEL, dry                          | NA            | NA                          | 0                                |
| MW-24 / SB-24                                        | 34                     | Grey-light brown SILT and f SAND, little cmf GRAVEL saturated | 33            | 25                          | 0                                |
| MW-25 / SB-25                                        | 30                     | Medium brown f SAND with SILT, little mf GRAVEL, saturated    | 30            | 20                          | 0                                |
| SB-26A                                               | 17.5                   | Stone concrete brick, moist                                   | NA            | NA                          | 0                                |
| SB-26B                                               | 17.5                   | Medium brown SILT mf GRAVEL, trace mf SAND moist              | NA            | NA                          | 0                                |
| <b>IRM Supplemental Site Investigation July 2015</b> |                        |                                                               |               |                             |                                  |
| MW-26                                                | 17                     | Brown mf SAND some cmf GRAVEL, trace SILT                     | 12.1          | 8                           | 0                                |
| MW-27                                                | 33.65                  | Brown fine SAND and SILT, some cmf GRAVEL                     | 34            | 4.5                         | 0                                |
| MW-28                                                | 12.7                   | Brown cmf SILT with trace CLAY, saturated                     | 18            | NA                          | 0                                |
| MW-29                                                | 16.75                  | Light brown SAND and SILT no GRAVEL trace CLAY, moist         | 18            | NA                          | 0                                |

Note- Refer to Appendix 6 for detailed test pit logs

Soil removed as part of IRM

DATE:  
 STARTED 09/07/05  
 FINISHED 09/08/05  
 SHEET 1 OF 1

**SJB SERVICES, INC.**  
**SUBSURFACE LOG**



HOLE NO. MW-1  
 SURF. ELEV. \_\_\_\_\_  
 G.W. DEPTH \_\_\_\_\_

PROJECT: NYSDEC Region 8 LOCATION: 354 Whitney Street  
 SPILL NO.: \_\_\_\_\_ Rochester, New York

| DEPTH<br>FT. | SMPL<br>NO. | BLOWS ON SAMPLER |       |       |       | PID | SOIL OR ROCK<br>CLASSIFICATION                                                                                  | NOTES                                                            |
|--------------|-------------|------------------|-------|-------|-------|-----|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
|              |             | 0/6              | 6/12  | 12/18 | 18/24 |     |                                                                                                                 |                                                                  |
| 1            | 1           |                  |       |       |       | 0   | Brown SANDY GRAVEL, with brick and concrete (fill), dry, no odor                                                | Soil classified based on auger cuttings                          |
| 2            | 2           | 13               | 8     | 6     | 4     | 0   | SAA, based on minimal sample recovery                                                                           |                                                                  |
| 3            | 3           | 15               | 50/3" |       |       | 0   | Brown SAND, with brick and concrete (fill), some gravel, dry, bed wet at bottom                                 | Drilled through a concrete slab at 5.5' bgs.                     |
| 4            | 4           | 5                | 2     | 2     | 2     | 0   | Black to gray SAND, with gravel (fill), some silt, wet, no odor                                                 | Collect sample for VOC analysis from 6-8' bgs (9/7/05@1455)      |
| 5            | 5           | 5                | 2     | 32    | 50    | 0   | Brown SANDY SILT, with gravel, wet, no odor (8-8.3')<br>Brown SILT, dry, no odor                                |                                                                  |
| 6            | 6           | 24               | 42    | 50/4" |       | 0   | Brown SILT, dry, no odor (10-10.4')<br>Brown fine SAND, dry, no odor                                            |                                                                  |
| 7            | 7           | 40               | 45    | 50/3" |       | 0   | Gray SILT, some fine to medium sand, trace gravel, moist, no odor                                               |                                                                  |
| 8            | 8           | 50/3"            |       |       |       | 0   | Gray LIMESTONE rock fragments with sand, wet, no odor                                                           | Bedrock at 15' bgs                                               |
| 9            | 9           | NA               |       |       |       | 0   | Gray LIMESTONE, silt filled seam at 15' bgs, sand filled seam at 19' bgs, wet, no odor                          | Begin HQ coring; approx 250 gallons of water added during coring |
| 22           |             |                  |       |       |       |     | Boring terminated at 22 feet bgs<br>See the well installation detail sheet for the monitoring well construction |                                                                  |

PID readings are in parts per million; bgs = below ground surface; NA = not applicable; NR = no recovery  
 N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW  
 DRILLER: Steve Wolkewicz CLASSIFIED BY G. Young  
 METHOD OF INVESTIGATION Hollow Stem Augers w/split spoons and HQ core

DATE:  
 STARTED 09/08/05  
 FINISHED 09/09/05  
 SHEET 1 OF 1

**SJB SERVICES, INC.**  
**SUBSURFACE LOG**



HOLE NO. MW-2  
 SURF. ELEV. \_\_\_\_\_  
 G.W. DEPTH \_\_\_\_\_

PROJECT: NYSDEC Region 8  
 SPILL NO.: \_\_\_\_\_

LOCATION: 354 Whitney Street  
Rochester, New York

| DEPTH<br>FT. | SMPL<br>NO. | BLOWS ON SAMPLER |       |       |       | PID | SOIL OR ROCK<br>CLASSIFICATION                                                                                  | NOTES                                                            |
|--------------|-------------|------------------|-------|-------|-------|-----|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
|              |             | 0/5              | 6/12  | 12/18 | 18/24 |     |                                                                                                                 |                                                                  |
| 1            | 1           |                  |       |       |       | 0   | Brown SANDY GRAVEL, with brick and concrete (fill), dry, no odor                                                | Soil classified based on auger cuttings                          |
| 2            | 2           |                  |       |       |       | 0   | Brown CLAYEY SILT, dry, no odor                                                                                 | Soil classified based on auger cuttings                          |
| 4            | 3           | 28               | 49    | 50    | 48    | 0   | Brown SILT, dry, no odor                                                                                        |                                                                  |
| 6            | 4           | 30               | 38    | 44    | 36    | 0   | Light brown SILT, with fine sand, trace medium to coarse sand, dry, no odor                                     |                                                                  |
| 8            | 5           | 15               | 49    | 50/3* |       | 0   | Light brown SILT, with fine sand, some limestone gravel, dry to moist, no odor                                  | Collect sample for VOC analysis from 8-10' bgs (9/8/05@1515)     |
| 10.5         | 6           | 9                | 50/2* |       |       | 0   | Dark brown SILT, with limestone gravel, dry, no odor                                                            | Bedrock at 10.5' bgs                                             |
| 15           | 7           | NA               |       |       |       | 0   | Gray LIMESTONE, silt filled seams at 13.7', 14.5', and 14.8' bgs, wet no odor                                   | Begin HQ coring; approx 250 gallons of water added during coring |
| 17           | 8           | NA               |       |       |       | 0   | Gray LIMESTONE, silt filled seams at 16' and 16.3' bgs, wet, no odor                                            |                                                                  |
| 20           |             |                  |       |       |       |     | Boring terminated at 17 feet bgs<br>See the well installation detail sheet for the monitoring well construction |                                                                  |

PID readings are in parts per million; bgs = below ground surface; NA = not applicable; NR = no recovery  
 N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW.  
 DRILLER: Steve Wolkewicz  
 METHOD OF INVESTIGATION Hollow Stem Augers w/split spoons and HQ core

CLASSIFIED BY G. Young

DATE:  
 STARTED 09/15/05  
 FINISHED 09/15/05  
 SHEET 1 OF 1

**SJB SERVICES, INC.**  
**SUBSURFACE LOG**



HOLE NO. MW-3  
 SURF. ELEV. \_\_\_\_\_  
 G.W. DEPTH \_\_\_\_\_

PROJECT: NYSDEC Region 8  
 SPILL NO.: \_\_\_\_\_

LOCATION: 354 Whitney Street  
Rochester, New York

| DEPTH<br>FT. | SMPL<br>NO. | BLOWS ON SAMPLER |       |       |       | PID | SOIL OR ROCK<br>CLASSIFICATION                                                                                           | NOTES                                                            |
|--------------|-------------|------------------|-------|-------|-------|-----|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
|              |             | 0/6              | 6/12  | 12/18 | 18/24 |     |                                                                                                                          |                                                                  |
| 1            | 1           |                  |       |       |       | 0   | Brown fine SAND, some silt, little gravel, concrete and brick (fill), dry, no odor                                       | Soil classified based on auger cuttings                          |
| 2            | 2           | 12               | 13    | 15    | 17    | 0.6 | Brown fine SAND, with silt, some gravel, moist, no odor                                                                  |                                                                  |
| 4            | 3           | 7                | 10    | 8     | 12    | 0.1 | Brown fine SAND, with silt, some gravel, moist, no odor                                                                  |                                                                  |
| 6            | 4           | 15               | 14    | 16    | 12    | 0.3 | Dark brown to gray SILTY CLAY, trace fine sand and gravel, wet, no odor                                                  | Collect sample for VOC analysis from 6-8' bgs (9/15/05@1000)     |
| 8            | 5           | 21               | 50/4" |       |       | 0.5 | Gray SILTY CLAY, little gravel, limestone fragments, dry, no odor                                                        | Bedrock at 8.4' bgs                                              |
| 11           | 6           | NA               |       |       |       | 0   | Gray LIMESTONE, dissolution cavities at 8.9' and 10.9' bgs, silt filled seams at 8.8', 9.1', and 10.4' bgs, wet, no odor | Begin HQ coring; approx 250 gallons of water added during coring |
| 15.5         | 7           | NA               |       |       |       | 0   | Gray LIMESTONE, sand filled seams at 11.2', 12.1', 12.9' bgs; silt filled seams at 15.3' and 15.5' bgs, wet, no odor     |                                                                  |
|              |             |                  |       |       |       |     | Boring terminated at 15.5 feet bgs<br>See the well installation detail sheet for the monitoring well construction        |                                                                  |

PID readings are in parts per million; bgs = below ground surface; NA = not applicable; NIR = no recovery  
 N = NO BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: E. Popkin

DRILLER: Steve Walkewicz

METHOD OF INVESTIGATION: Hollow Stem Augers w/split spoons and HQ core

DATE:  
 STARTED 09/12/05  
 FINISHED 09/13/05  
 SHEET 1 OF 1

**SJB SERVICES, INC.**  
**SUBSURFACE LOG**



HOLE NO. MW-4  
 SURF. ELEV. \_\_\_\_\_  
 G.W. DEPTH \_\_\_\_\_

PROJECT: NYSDEC Region 8  
 SPILL NO.: \_\_\_\_\_

LOCATION: 354 Whitney Street  
Rochester, New York

| DEPTH<br>FT. | SMPL<br>NO. | BLOWS ON SAMPLER |      |       |       |  | PID | SOIL OR ROCK<br>CLASSIFICATION                                                                                | NOTES                                                            |
|--------------|-------------|------------------|------|-------|-------|--|-----|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
|              |             | 0/6              | 6/12 | 12/18 | 18/24 |  |     |                                                                                                               |                                                                  |
|              | 1           |                  |      |       |       |  | 0.2 | Dark brown SAND, with brick and concrete (fill), dry, no odor                                                 | Soil classified based on auger cuttings                          |
| 2            |             |                  |      |       |       |  |     |                                                                                                               |                                                                  |
|              | 2           | 2                | 4    | 10    | 10    |  | 0.3 | Brown CLAY, little silt and gravel, dry, no odor                                                              |                                                                  |
| 4            |             |                  |      |       |       |  |     |                                                                                                               |                                                                  |
|              | 3           | 50/3"            |      |       |       |  | 0   | Brown CLAY, little silt and gravel, dry, no odor                                                              |                                                                  |
| 6            |             |                  |      |       |       |  |     |                                                                                                               |                                                                  |
|              | 4           | 8                | 7    | 7     | 15    |  | 0   | Brown fine SAND, some silt, moist, no odor                                                                    | Collect sample for VOC analysis from 6-8' bgs (9/12/05@1510)     |
| 8            |             |                  |      |       |       |  |     |                                                                                                               |                                                                  |
|              | 5           | 50/2"            |      |       |       |  | 0   | Dark brown fine SAND, with gravel, some limestone fragments, dry, no odor                                     |                                                                  |
| 10           |             |                  |      |       |       |  |     |                                                                                                               |                                                                  |
| 10.5         | 6           | 50/3"            |      |       |       |  | 0   | No recovery.                                                                                                  | Bedrock at 10.5' bgs                                             |
|              | 7           | NA               |      |       |       |  | 0   | Gray LIMESTONE, silt filled seams at 10.7', 10.8', and 11.5' bgs, sand filled seam at 11.7' bgs, wet, no odor | Begin HQ coring; approx 250 gallons of water added during coring |
| 15           |             |                  |      |       |       |  |     |                                                                                                               |                                                                  |
|              | 8           | NA               |      |       |       |  | 0   | Gray LIMESTONE, sand seam at 14.8' bgs, wet, no odor                                                          |                                                                  |
| 17           |             |                  |      |       |       |  |     |                                                                                                               |                                                                  |
|              |             |                  |      |       |       |  |     | Boring terminated at 17 feet bgs                                                                              |                                                                  |
| 20           |             |                  |      |       |       |  |     | See the well installation detail sheet for the monitoring well construction                                   |                                                                  |

PID readings are in parts per million; bgs = below ground surface; NA = not applicable; NR = no recovery  
 N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW  
 DRILLER: Steve Walkewicz  
 METHOD OF INVESTIGATION Hollow Stem Augers w/split spoons and HQ core

CLASSIFIED BY E. Popkin

DATE:  
 STARTED 09/13/05  
 FINISHED 09/13/05  
 SHEET 1 OF 1

**SJB SERVICES, INC.**  
**SUBSURFACE LOG**



HOLE NO. MW-5  
 SURF. ELEV. \_\_\_\_\_  
 G.W. DEPTH \_\_\_\_\_

PROJECT: NYSDEC Region 8  
 SPILL NO.: \_\_\_\_\_

LOCATION: 354 Whitney Street  
Rochester, New York

| DEPTH<br>FT. | SMPL<br>NO. | BLOWS ON SAMPLER |       |       |       | PID | SOIL OR ROCK<br>CLASSIFICATION                                                                                      | NOTES                                                            |
|--------------|-------------|------------------|-------|-------|-------|-----|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
|              |             | 0/6              | 6/12  | 12/18 | 18/24 |     |                                                                                                                     |                                                                  |
| 2            | 1           |                  |       |       |       | 0.6 | Dark brown fine to medium SAND, brick and concrete (fill), dry, no odor                                             | Soil classified based on auger cuttings                          |
| 4            | 2           | 14               | 50/3" |       |       | 0   | Dark brown fine to medium SAND, brick and concrete (fill), dry, no odor                                             |                                                                  |
| 6            | 3           | 14               | 14    | 10    | 12    | 0   | Brown SILT, with some fine sand, little gravel, moist to wet, no odor                                               |                                                                  |
| 8            | 4           | 9                | 13    | 50/0" |       | 0   | Brown SILT, some fine sand, limestone fragments, dry, no odor                                                       | Collect sample for VOC analysis from 6-8' bgs (9/13/05@1300)     |
| 10           | 5           | 15               | 20    | 11    | 12    | 0   | Brown SILT, some fine sand, limestone fragments, dry, no odor                                                       | Bedrock at 9' bgs                                                |
| 10           | 6           | NA               |       |       |       | 0   | Gray LIMESTONE, sand filled seams at 9.2', 9.5', 10.0' bgs, silt filled seam at 10.5' bgs, wet, no odor             | Begin HQ coring; approx 250 gallons of water added during coring |
| 14           | 7           | NA               |       |       |       | 0   | Gray LIMESTONE, silt filled seam at 11.4', 11.5', 12.1', and 12.8' bgs, sand filled seam at 13.3' bgs, wet, no odor |                                                                  |
| 18           |             |                  |       |       |       |     | Boring terminated at 17 feet bgs<br>See the well installation detail sheet for the monitoring well construction     |                                                                  |

PID readings are in parts per million; bgs = below ground surface; NA = not applicable; NR = no recovery  
 N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT., FALLING 30-INCHES PER BLOW  
 DRILLER: Steve Wolkewicz  
 METHOD OF INVESTIGATION Hollow Stem Augers w/split spoons and HQ core

CLASSIFIED BY: E. Popkin



DATE:  
 STARTED 09/14/05  
 FINISHED 09/14/05  
 SHEET 1 OF 1

**SJB SERVICES, INC.**  
**SUBSURFACE LOG**



HOLE NO. MW-6  
 SURF. ELEV. \_\_\_\_\_  
 G.W. DEPTH \_\_\_\_\_

PROJECT: NYSDEC Region 8  
 SPILL NO.: \_\_\_\_\_

LOCATION: 354 Whitney Street  
Rochester, New York

| DEPTH<br>FT. | SMPL<br>NO. | BLOWS ON SAMPLER |      |       |       |  | PID | SOIL OR ROCK<br>CLASSIFICATION                                                                                                | NOTES                                                                                  |
|--------------|-------------|------------------|------|-------|-------|--|-----|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|              |             | 0/6              | 6/12 | 12/18 | 18/24 |  |     |                                                                                                                               |                                                                                        |
| 1            | 1           |                  |      |       |       |  | 0   | Dark brown SAND, some silt and gravel, brick and concrete (fill), dry, no odor                                                | Soil classified based on auger cuttings                                                |
| 2            | 2           | 3                | 4    | 5     | 5     |  | 0   | Brown fine SAND, some silt, little gravel, brick and concrete (fill), yellow (iron?) staining, dry, no odor                   |                                                                                        |
| 4            | 3           | 3                | 3    | 4     | 4     |  | 0   | Brown fine SAND, little silt, dry, no odor                                                                                    |                                                                                        |
| 6            | 4           | 8                | 12   | 14    | 12    |  | 0   | Brown SILT, little fine sand and gravel, trace clay, dry, no odor                                                             | Collect sample for VOC analysis from 6-8' bgs (9/14/05@1315)                           |
| 8            | 5           | 12               | 18   | 20    | 20    |  | 0   | Brown SILT, some fine sand, little gravel, trace clay, dry, no odor                                                           |                                                                                        |
| 10           | 6           | NA               |      |       |       |  | 0   | Gray LIMESTONE, sand filled seams at 10.5' and 12' bgs, silt filled seams at 10.9', 11.3', 11.6', and 13.3' bgs, wet, no odor | Bedrock at 10' bgs<br>Begin HQ coring; approx 250 gallons of water added during coring |
| 14           | 7           | NA               |      |       |       |  | 0   | Gray LIMESTONE, dry, no odor                                                                                                  |                                                                                        |
| 18           |             |                  |      |       |       |  |     | Boring terminated at 17 feet bgs<br>See the well installation detail sheet for the monitoring well construction               |                                                                                        |

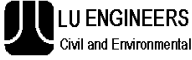
PID readings are in parts per million; bgs = below ground surface, NA = not applicable; NR = no recovery

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY E. Popkin

DRILLER: Steve Wolkewicz

METHOD OF INVESTIGATION Hollow Stem Augers w/split spoons and HQ core



2230 PENFIELD ROAD  
PENFIELD, NEW YORK 14526

PROJECT

Orchard-Whitney ERP #E828123  
415 Orchard Street and  
354 Whitney Street, Rochester, NY

BORING MW-11

SHEET 1 OF 1  
JOB #: 4216  
CHKD. BY: N/A

CONTRACTOR: Paragon  
DRILLER: Robert  
JCL GEOLOGIST: LMS

BORING LOCATION: SEE PLAN  
GROUND SURFACE ELEVATION: N/A DATUM: N/A  
START DATE: 9/26/08 END DATE: 9/26/08

TYPE OF DRILL RIG: Mobile Drill B-59  
CASING SIZE AND TYPE: 4.25" HAS  
OVERBURDEN SAMPLING METHOD: Split Spoon  
ROCK DRILLING METHOD: Tri-cone bit (rotary)

WATER LEVEL DATA

| DATE | TIME | WATER | CASING | REMARKS |
|------|------|-------|--------|---------|
|      |      |       |        |         |
|      |      |       |        |         |
|      |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                                                       | PID |
|-------|-------------|-----|-------------|-----------------|--------------|----------------------------------------------------------------------------------------------------------|-----|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                                                          |     |
| 1     |             |     | 1-2         |                 | 50%          | Concrete slab<br>Medium brown SILT, little cmf sand, little c-f gravel, trace clay, no odor, moist at 2' | 0.0 |
| 2     |             |     | 2-4         |                 |              | Medium brown SILT, some cmf sand, trace gravel, moist, no odor                                           | 0.0 |
| 3     |             |     |             |                 |              |                                                                                                          |     |
| 4     |             |     | 4-6         |                 | 80%          | Same as above-moist, no odor                                                                             | 0.0 |
| 5     |             |     |             |                 |              | Medium brown to grey SILT, some f gravel, firm, dry, no odor                                             | 0.0 |
| 6     |             |     | 6-8         |                 | 80%          |                                                                                                          |     |
| 7     |             |     |             |                 |              |                                                                                                          |     |
| 8     |             |     | 8-10        |                 | 80%          | Same as above-with more c-f gravel, moist                                                                | 0.0 |
| 9     |             |     |             |                 |              |                                                                                                          |     |
| 10    |             |     | 10-10.5     |                 | 10%          |                                                                                                          |     |
| 11    |             |     |             |                 |              | Auger refusal at 10.5'                                                                                   |     |
| 12    |             |     |             |                 |              |                                                                                                          |     |
| 13    |             |     |             |                 |              |                                                                                                          |     |
| 14    |             |     |             |                 |              |                                                                                                          |     |
| 15    |             |     |             |                 |              |                                                                                                          |     |
| 16    |             |     |             |                 |              |                                                                                                          |     |
| 17    |             |     |             |                 |              |                                                                                                          |     |
| 18    |             |     |             |                 |              |                                                                                                          |     |
| 19    |             |     |             |                 |              |                                                                                                          |     |
| 20    |             |     |             |                 |              |                                                                                                          |     |

LEGEND

S- SPLIT SPOON SOIL SAMPLE  
U- UNDISTURBED SOIL SAMPLE  
C- ROCK CORE SAMPLE

Notes: 12'-very fractured, wet, water bearing; 13.1'-water bearing; 14.1'-fractured, sediment, water bearing; 14.8'- very fractured, wet, water bearing; no significant vertical fractures

GENERAL NOTES:

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

BORING # MW-11



2230 PENFIELD ROAD  
PENFIELD, NEW YORK 14526

PROJECT

Orchard-Whitney ERP #E828123  
415 Orchard Street and  
354 Whitney Street, Rochester, NY

BORING MW-12

SHEET 1 OF 1  
JOB #: 4216  
CHKD. BY: N/A

CONTRACTOR: Paragon  
DRILLER: Robert  
JCL GEOLOGIST: RLF

BORING LOCATION: SEE PLAN  
GROUND SURFACE ELEVATION: N/A DATUM: N/A  
START DATE: 9/26/08 END DATE: 9/26/08

TYPE OF DRILL RIG: Mobile Drill B-59  
CASING SIZE AND TYPE: 4.25" HAS  
OVERBURDEN SAMPLING METHOD: Split Spoon  
ROCK DRILLING METHOD: Tri-cone bit (rotary)

WATER LEVEL DATA

| DATE | TIME | WATER | CASING | REMARKS |
|------|------|-------|--------|---------|
|      |      |       |        |         |
|      |      |       |        |         |
|      |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                | PID |
|-------|-------------|-----|-------------|-----------------|--------------|-------------------------------------------------------------------|-----|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                   |     |
| 1     | 3           |     |             |                 |              | Concrete                                                          |     |
|       | 20          |     |             |                 | 50%          | Fill material                                                     |     |
| 2     | 27          |     |             |                 |              | Medium brown SILT, some cmf sand, little c gravel, moist, no odor | 0.0 |
|       | 26          |     |             |                 |              | Medium brown cmf SAND and SILT, little cmf gravel, moist, no odor | 0.0 |
| 3     | 34          |     |             |                 | 75%          |                                                                   |     |
|       | 45          |     |             |                 |              |                                                                   |     |
| 4     | 18          |     |             |                 |              | Same as above-wet, no odor                                        | 0.0 |
|       | 4           |     |             |                 |              |                                                                   |     |
| 5     | 14          |     |             |                 |              |                                                                   |     |
|       | 11          |     |             |                 |              |                                                                   |     |
| 6     | 12          |     |             |                 |              | Same as above-wet, no odor                                        | 0.0 |
|       | 21          |     |             |                 | 100%         |                                                                   |     |
| 7     | 2           |     |             |                 |              |                                                                   |     |
|       | 37          |     |             |                 |              |                                                                   |     |
| 8     | 48          |     |             |                 | 0%           | No recovery                                                       | 0.0 |
|       | 47          |     |             |                 |              |                                                                   |     |
| 9     | 50/3        |     |             |                 |              |                                                                   |     |
| 10    |             |     |             |                 |              | Auger refusal at 9.3'                                             |     |
| 11    |             |     |             |                 |              |                                                                   |     |
| 12    |             |     |             |                 |              |                                                                   |     |
| 13    |             |     |             |                 |              |                                                                   |     |
| 14    |             |     |             |                 |              |                                                                   |     |
| 15    |             |     |             |                 |              |                                                                   |     |
| 16    |             |     |             |                 |              |                                                                   |     |
| 17    |             |     |             |                 |              |                                                                   |     |
| 18    |             |     |             |                 |              |                                                                   |     |
| 19    |             |     |             |                 |              |                                                                   |     |
| 20    |             |     |             |                 |              |                                                                   |     |

LEGEND

- S- SPLIT SPOON SOIL SAMPLE
- U- UNDISTURBED SOIL SAMPLE
- C- ROCK CORE SAMPLE

Notes: Cored rock to 13.8'

GENERAL NOTES:

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

BORING # MW-12



2230 PENFIELD ROAD  
PENFIELD, NEW YORK 14526

PROJECT

Orchard-Whitney ERP #E828123  
415 Orchard Street and  
354 Whitney Street, Rochester, NY

BORING MW-13

SHEET 1 OF 1  
JOB #: 4216  
CHKD. BY: N/A

CONTRACTOR: Robert  
DRILLER: Robert  
JCL GEOLOGIST: LMS

BORING LOCATION: SEE PLAN  
GROUND SURFACE ELEVATION: N/A DATUM: N/A  
START DATE: 9/29/08 END DATE: 9/29/08

TYPE OF DRILL RIG: Mobile Drill B-59  
CASING SIZE AND TYPE: 4.25" HAS  
OVERBURDEN SAMPLING METHOD: Split Spoon  
ROCK DRILLING METHOD: Tri-cone bit (rotary)

WATER LEVEL DATA

| DATE | TIME | WATER | CASING | REMARKS |
|------|------|-------|--------|---------|
|      |      |       |        |         |
|      |      |       |        |         |
|      |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                         | PID |
|-------|-------------|-----|-------------|-----------------|--------------|----------------------------------------------------------------------------|-----|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                            |     |
| 1     | 6           |     |             |                 |              | Fill- Brick, coal slag, sand and gravel                                    | 0.0 |
|       | 13          |     |             |                 |              | Medium brown red SILT, some c-f gravel, little clay, trace cmf sand, moist | 0.0 |
|       | 15          |     |             |                 |              |                                                                            |     |
| 2     | 23          |     | 0-2         |                 | 60%          | Same as above- with more sand and gravel, moist                            | 0.0 |
|       | 19          |     |             |                 |              |                                                                            |     |
| 3     | 18          |     |             |                 |              |                                                                            |     |
|       | 17          |     |             |                 |              |                                                                            |     |
| 4     | 32          |     | 0-4         |                 | 40%          | Medium brown SILT, little gravel, trace clay, moist                        | 0.0 |
|       | 13          |     |             |                 |              |                                                                            |     |
| 5     | 50          |     | 4-5.5       |                 | 50%          | Medium brown SILT; trace gravel, tight, wet                                | 0.0 |
|       |             |     |             |                 |              | Auger refusal at 5.5 fbg                                                   |     |
| 6     | 14          |     |             |                 |              | Same as above                                                              |     |
|       | 28          |     |             |                 |              |                                                                            |     |
| 7     | 50          |     | 5.5-7.5     |                 | 50%          |                                                                            |     |
|       |             |     |             |                 |              | Medium brown SILT and cmf SAND, trace gravel, trace clay, wet              | 0.0 |
| 8     | 45          |     |             |                 |              |                                                                            |     |
|       | 50/2        |     | 7.5-8.7     |                 | 20%          | Top of rock                                                                | 0.0 |
| 9     |             |     |             |                 |              |                                                                            |     |
| 10    |             |     |             |                 |              |                                                                            |     |
| 11    |             |     |             |                 |              |                                                                            |     |
| 12    |             |     |             |                 |              |                                                                            |     |
| 13    |             |     |             |                 |              |                                                                            |     |
| 14    |             |     |             |                 |              |                                                                            |     |
| 15    |             |     |             |                 |              |                                                                            |     |
| 16    |             |     |             |                 |              |                                                                            |     |
| 17    |             |     |             |                 |              |                                                                            |     |
| 18    |             |     |             |                 |              |                                                                            |     |
| 19    |             |     |             |                 |              |                                                                            |     |
| 20    |             |     |             |                 |              |                                                                            |     |

LEGEND  
S- SPLIT SPOON SOIL SAMPLE  
U- UNDISTURBED SOIL SAMPLE  
C- ROCK CORE SAMPLE

Notes:

GENERAL NOTES:

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

BORING # MW-13



2230 PENFIELD ROAD  
PENFIELD, NEW YORK 14526

PROJECT

Orchard-Whitney ERP #E828123  
415 Orchard Street and  
354 Whitney Street, Rochester, NY

BORING MW-14

SHEET 1 OF 1  
JOB #: 4216  
CHKD. BY: N/A

CONTRACTOR: Paragon  
DRILLER: Robert  
JCL GEOLOGIST: GLA

BORING LOCATION: SEE PLAN  
GROUND SURFACE ELEVATION: N/A DATUM: N/A  
START DATE: 9/29/08 END DATE: 9/29/08

TYPE OF DRILL RIG: Mobile Drill B-59  
CASING SIZE AND TYPE: 4.25" HAS  
OVERBURDEN SAMPLING METHOD: Split Spoon  
ROCK DRILLING METHOD: Tri-cone bit (rotary)

WATER LEVEL DATA

| DATE | TIME | WATER | CASING | REMARKS |
|------|------|-------|--------|---------|
|      |      |       |        |         |
|      |      |       |        |         |
|      |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                                                     | PID |
|-------|-------------|-----|-------------|-----------------|--------------|--------------------------------------------------------------------------------------------------------|-----|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                                                        |     |
| 1     |             |     |             |                 |              | 0-0.8'-Concrete slab                                                                                   |     |
|       | 1           |     |             |                 |              | Medium brown SILT, some cmf sand and cmf gravel, moist, no odor                                        | 0.0 |
| 2     | 1           |     |             |                 |              | Medium brown SILT, some cmf gravel, some cmf sand, trace clay, moist, no odor                          | 0.0 |
|       | 2           |     |             |                 |              |                                                                                                        |     |
| 3     | 4           |     |             |                 |              |                                                                                                        |     |
|       | 6           |     |             |                 |              |                                                                                                        |     |
| 4     | 14          |     |             |                 | 75%          | Medium brown SILT and cmf SAND, some cmf gravel, trace clay, moist, no odor                            | 0.0 |
|       | 8           |     |             |                 |              |                                                                                                        |     |
| 5     | 13          |     |             |                 |              |                                                                                                        |     |
|       | 6           |     |             |                 |              |                                                                                                        |     |
| 6     | 8           |     |             |                 | 50%          | Medium brown cmf SAND and SILT, some cmf gravel, moist, no odor                                        | 0.0 |
|       | 7           |     |             |                 |              |                                                                                                        |     |
| 7     | 7           |     |             |                 |              |                                                                                                        |     |
|       | 5           |     |             |                 | 40%          |                                                                                                        |     |
| 8     | 7           |     |             |                 |              |                                                                                                        |     |
|       | 4           |     |             |                 |              | Dark brown SILT, some c-m sand, little cmf gravel, little f sand, trace clay, moist, no odor           | 0.0 |
| 9     | 5           |     |             |                 |              |                                                                                                        |     |
|       | 6           |     |             |                 |              |                                                                                                        |     |
| 10    | 4           |     |             |                 | 10%          | Red/orange/brown cmf GRAVEL and SILT, some cmf sand, moist, wet at 11.5' with petroleum sheen and odor | 0.0 |
|       | 4           |     |             |                 |              |                                                                                                        |     |
| 11    | 14          |     |             |                 |              |                                                                                                        |     |
|       | 26          |     |             |                 |              |                                                                                                        |     |
| 12    | 50          |     |             |                 |              | Firm red SILT and f SAND, little m-f gravel, little c-m sand, wet with petroleum odor                  | 0.0 |
|       | 36          |     |             |                 |              |                                                                                                        |     |
| 13    | 50          |     |             |                 |              | Loose cmf GRAVEL and SILT, come cmf sand, saturated petroleum odor, slight sheen                       | 0.0 |
|       | 50          |     |             |                 |              |                                                                                                        |     |
| 14    | 50/.4       |     |             |                 |              |                                                                                                        |     |
|       | 50/.4       |     |             |                 |              |                                                                                                        |     |
| 15    |             |     |             |                 |              | Same as above-saturated                                                                                |     |
| 16    |             |     |             |                 |              |                                                                                                        |     |
| 17    |             |     |             |                 |              |                                                                                                        |     |
| 18    |             |     |             |                 |              |                                                                                                        |     |
| 19    |             |     |             |                 |              |                                                                                                        |     |
| 20    |             |     |             |                 |              |                                                                                                        |     |

LEGEND

- S- SPLIT SPOON SOIL SAMPLE
- U- UNDISTURBED SOIL SAMPLE
- C- ROCK CORE SAMPLE

Notes: screen (14-4''); sand 14-3'; bentonite 2-3'; grout/cement 0-2'

GENERAL NOTES:

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

BORING # MW-14



2230 PENFIELD ROAD  
PENFIELD, NEW YORK 14526

PROJECT

Orchard-Whitney ERP #E828123  
415 Orchard Street and  
354 Whitney Street, Rochester, NY

BORING MW-15

SHEET 1 OF 1  
JOB #: 4216  
CHKD. BY: N/A

CONTRACTOR: Paragon  
DRILLER: Robert  
JCL GEOLOGIST: D. PECK (City)

BORING LOCATION: SEE PLAN  
GROUND SURFACE ELEVATION: N/A DATUM: N/A  
START DATE: END DATE:

TYPE OF DRILL RIG: Mobile Drill B-59  
CASING SIZE AND TYPE: 4.25" HAS  
OVERBURDEN SAMPLING METHOD: Split Spoon  
ROCK DRILLING METHOD: Tri-cone bit (rotary)

WATER LEVEL DATA

| DATE | TIME | WATER | CASING | REMARKS |
|------|------|-------|--------|---------|
|      |      |       |        |         |
|      |      |       |        |         |
|      |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                           | PID |
|-------|-------------|-----|-------------|-----------------|--------------|------------------------------------------------------------------------------|-----|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                              |     |
| 1     | 4           |     |             |                 |              | 6" Asphalt and concrete                                                      | 0.0 |
| 2     | 4           |     |             |                 |              | Brown reworked SAND and SILT, little gravel (fill), moist                    | 0.0 |
|       | 6           |     | 0-2'        | 8               | 40%          |                                                                              |     |
| 3     | 4           |     |             |                 |              |                                                                              |     |
|       | 5           |     |             |                 |              |                                                                              |     |
| 4     | 6           |     | 2-4'        | 9               | 50%          |                                                                              | 0.0 |
|       | 6           |     |             |                 |              |                                                                              |     |
| 5     | 8           |     |             |                 |              |                                                                              |     |
|       | 8           |     |             |                 |              |                                                                              |     |
| 6     | 10          |     | 4-6'        | 16              | 30%          |                                                                              | 0.0 |
|       | 9           |     |             |                 |              |                                                                              |     |
| 7     | 15          |     |             |                 |              | Brown CLAY and SILT, little gravel (fill)                                    | 0.0 |
|       | 18          |     |             |                 |              |                                                                              |     |
| 8     | 14          |     | 6-8         | 33              | 20%          |                                                                              | 0.0 |
|       | 3           |     |             |                 |              |                                                                              |     |
| 9     | 9           |     |             |                 |              |                                                                              |     |
|       | 8           |     |             |                 |              |                                                                              |     |
| 10    | 7           |     | 8-10        | 17              | 30%          | Brown c-m SAND, wet                                                          | 0.0 |
|       | 2           |     |             |                 |              |                                                                              |     |
| 11    | 1           |     |             |                 |              |                                                                              |     |
|       | 1           |     |             |                 |              |                                                                              |     |
| 12    | 1           |     | 10-12       | 2               | 40%          |                                                                              | 0.0 |
|       | 4           |     |             |                 |              |                                                                              |     |
| 13    | 30          |     |             |                 |              | Same as above- f SAND, trace silt, rock fragments                            | 0.0 |
|       | 50/4        |     | 12-13.4     |                 | 60%          |                                                                              |     |
| 14    |             |     |             |                 |              |                                                                              |     |
|       | 17          |     |             |                 |              |                                                                              |     |
| 15    | 30          |     |             |                 |              | Same as above- Grey f SAND, little silt, trace rounded gravel (glacial till) | 0.0 |
|       | 50/3        |     | 14-15.3     |                 |              |                                                                              |     |
| 16    |             |     |             |                 |              | Augar refusal at 15.5'                                                       |     |
| 17    |             |     |             |                 |              |                                                                              |     |
| 18    |             |     |             |                 |              |                                                                              |     |
| 19    |             |     |             |                 |              |                                                                              |     |
| 20    |             |     |             |                 |              |                                                                              |     |

LEGEND

- S- SPLIT SPOON SOIL SAMPLE
- U- UNDISTURBED SOIL SAMPLE
- C- ROCK CORE SAMPLE

Notes:

GENERAL NOTES:

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

BORING # MW-15



2230 PENFIELD ROAD  
PENFIELD, NEW YORK 14526

**PROJECT**

Orchard-Whitney ERP #E828123  
415 Orchard Street and  
354 Whitney Street, Rochester, NY

**BORING MW-16**

SHEET 1 OF 2  
JOB #: 4216  
CHKD. BY: N/A

CONTRACTOR: Paragon

DRILLER: Ribert

JCL GEOLOGIST: D. PECK (City)

BORING LOCATION: SEE PLAN

GROUND SURFACE ELEVATION: N/A

DATUM: N/A

START DATE: 9/30/08

END DATE: 9/30/08

TYPE OF DRILL RIG: Mobile Drill B-59

CASING SIZE AND TYPE: 4.25" HAS

OVERBURDEN SAMPLING METHOD: Split Spoon

ROCK DRILLING METHOD: Tri-cone bit (rotary)

**WATER LEVEL DATA**

| DATE | TIME | WATER | CASING | REMARKS |
|------|------|-------|--------|---------|
|      |      |       |        |         |
|      |      |       |        |         |
|      |      |       |        |         |
|      |      |       |        |         |

| DEPTH<br>H | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                | PID |
|------------|-------------|-----|-------------|-----------------|--------------|---------------------------------------------------|-----|
|            | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                   |     |
| 1          |             |     |             |                 |              |                                                   |     |
| 2          | 1           |     | 0-2         | 1               | 5%           | Brown silty CLAY and GRAVEL, damp (fill)          | 0.0 |
| 3          |             |     |             |                 |              |                                                   |     |
| 4          |             |     |             |                 |              |                                                   |     |
| 6          |             |     |             |                 |              |                                                   |     |
| 4          | 9           |     | 2-4         | 7               | 20%          |                                                   | 0.0 |
| 5          |             |     |             |                 |              |                                                   |     |
| 10         |             |     |             |                 |              |                                                   |     |
| 5          | 12          |     |             |                 |              | c-m SAND, trace gravel, little clay, wet          | 0.0 |
| 6          | 9           |     |             |                 |              |                                                   |     |
| 7          | 7           |     | 4-6         | 21              | 10%          |                                                   |     |
| 3          |             |     |             |                 |              |                                                   |     |
| 7          | 4           |     |             |                 |              | Grey f SAND, little rounded gravel (glacial till) | 0.0 |
| 8          | 3           |     |             |                 |              |                                                   |     |
| 8          | 2           |     | 6-8         | 7               | 30%          |                                                   |     |
| 4          |             |     |             |                 |              |                                                   |     |
| 9          | 10          |     |             |                 |              | Same as above- grades to f SAND                   | 0.0 |
| 10         | 50          |     | 8-10        | 60              | 40%          |                                                   |     |
| 36         |             |     |             |                 |              |                                                   |     |
| 11         | 50          |     |             |                 |              | Same as above- Grey SILT, damp                    | 0.0 |
| 50/3       |             |     | 10-11.3     |                 | 40%          |                                                   |     |
| 12         |             |     |             |                 |              |                                                   |     |
| 36         |             |     |             |                 |              |                                                   |     |
| 13         | 50          |     |             |                 |              | Same as above- trace gravel, damp                 | 0.0 |
| 50/4       |             |     | 12-13.4     |                 | 50%          |                                                   |     |
| 14         |             |     |             |                 |              |                                                   |     |
| 15         | 32          |     |             |                 |              | Same as above- trace gravel, damp                 | 0.0 |
| 50/3       |             |     | 14-14.8     |                 | 40%          |                                                   |     |
| 16         |             |     |             |                 |              |                                                   |     |
| 36         |             |     |             |                 |              |                                                   |     |
| 17         | 50/3        |     | 16-16.8     |                 | 40%          |                                                   | 0.0 |
| 18         |             |     |             |                 |              |                                                   |     |
| 36         |             |     | 18-19.4     |                 |              |                                                   |     |
| 19         | 50          |     |             |                 |              |                                                   | 0.0 |
| 50/4       |             |     |             |                 |              |                                                   |     |
| 20         |             |     |             |                 |              |                                                   |     |

**LEGEND**

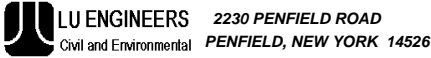
- S- SPLIT SPOON SOIL SAMPLE
- U- UNDISTURBED SOIL SAMPLE
- C- ROCK CORE SAMPLE

Notes:

**GENERAL NOTES:**

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

BORING # MW-16



PROJECT  
Orchard-Whitney ERP #E828123  
415 Orchard Street and  
354 Whitney Street, Rochester, NY

BORING MW-16  
SHEET 2 OF 2  
JOB #: 4216  
CHKD. BY: N/A

CONTRACTOR: Paragon  
DRILLER: Robert  
JCL GEOLOGIST: D. PECK (City)

BORING LOCATION: SEE PLAN  
GROUND SURFACE ELEVATION: N/A DATUM: N/A  
START DATE: 9/30/08 END DATE: 9/30/08

TYPE OF DRILL RIG: Mobile Drill B-59  
CASING SIZE AND TYPE: 4.25" HAS  
OVERBURDEN SAMPLING METHOD: Split Spoon  
ROCK DRILLING METHOD: Tri-cone bit (rotary)

| WATER LEVEL DATA |      |       |        |         |
|------------------|------|-------|--------|---------|
| DATE             | TIME | WATER | CASING | REMARKS |
|                  |      |       |        |         |
|                  |      |       |        |         |
|                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                | PID |
|-------|-------------|-----|-------------|-----------------|--------------|-----------------------------------|-----|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                   |     |
| 21    | 50/4        |     | 20-20.4     |                 | 40%          | SAND and GRAVEL, little clay, wet | 0.0 |
| 22    |             |     |             |                 |              |                                   |     |
| 23    | 18<br>50/4  |     | 22-22.9     |                 | 30%          |                                   | 0.0 |
| 24    |             |     |             |                 |              | Augar Refusal at 24.9'            |     |
| 25    | 50/4        |     | 24-24.4     |                 | 30%          |                                   |     |
| 26    |             |     |             |                 |              |                                   |     |
| 27    |             |     |             |                 |              |                                   |     |
| 28    |             |     |             |                 |              |                                   |     |
| 29    |             |     |             |                 |              |                                   |     |
| 30    |             |     |             |                 |              |                                   |     |
| 31    |             |     |             |                 |              |                                   |     |
| 32    |             |     |             |                 |              |                                   |     |
| 33    |             |     |             |                 |              |                                   |     |
| 34    |             |     |             |                 |              |                                   |     |
| 35    |             |     |             |                 |              |                                   |     |
| 36    |             |     |             |                 |              |                                   |     |
| 37    |             |     |             |                 |              |                                   |     |
| 38    |             |     |             |                 |              |                                   |     |
| 39    |             |     |             |                 |              |                                   |     |
| 40    |             |     |             |                 |              |                                   |     |

**LEGEND**  
S- SPLIT SPOON SOIL SAMPLE  
U- UNDISTURBED SOIL SAMPLE  
C- ROCK CORE SAMPLE

Notes:

**GENERAL NOTES:**  
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.





2230 PENFIELD ROAD  
PENFIELD, NEW YORK 14526

PROJECT

Orchard-Whitney ERP #E828123  
415 Orchard Street and  
354 Whitney Street, Rochester, NY

BORING MW-17

SHEET 1 OF 1  
JOB #: 4216  
CHKD. BY: N/A

CONTRACTOR: Paragon  
DRILLER: Robert  
JCL GEOLOGIST: D. PECK (City)

BORING LOCATION: SEE PLAN  
GROUND SURFACE ELEVATION: N/A DATUM: N/A  
START DATE: END DATE:

TYPE OF DRILL RIG: Mobile Drill B-59  
CASING SIZE AND TYPE: 4.25" HAS  
OVERBURDEN SAMPLING METHOD: Split Spoon  
ROCK DRILLING METHOD: Tri-cone bit (rotary)

WATER LEVEL DATA

| DATE | TIME | WATER | CASING | REMARKS |
|------|------|-------|--------|---------|
|      |      |       |        |         |
|      |      |       |        |         |
|      |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                                        | PID |
|-------|-------------|-----|-------------|-----------------|--------------|-------------------------------------------------------------------------------------------|-----|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                                           |     |
| 1     |             |     |             |                 |              | Excavated to allow well installation through slab, similar soil to MW-16                  |     |
| 2     |             |     |             |                 |              |                                                                                           |     |
| 3     |             |     |             |                 |              |                                                                                           |     |
| 4     |             |     |             |                 |              |                                                                                           |     |
| 5     | 4           |     |             |                 | 15%          | Red-brown cmf GRAVEL and SILT, little cmf sand, little clay, moist, no odor               |     |
| 6     | 4           |     |             |                 |              |                                                                                           |     |
| 7     | 6           |     |             |                 |              | similar soil to 7'                                                                        |     |
| 8     | 7           |     |             |                 |              |                                                                                           |     |
| 9     | 8           |     |             |                 |              | Brown-grey cmf GRAVEL (cobble) underlain by lense of m sand, orange-brown, moist, no odor |     |
| 10    | 12          |     |             |                 |              |                                                                                           |     |
| 11    | 14          |     |             |                 |              | Brown loose SILT and cmf GRAVEL, little cmf sand, little clay, wet/saturated, no odor     |     |
| 12    | 4           |     |             |                 |              |                                                                                           |     |
| 13    | 9           |     |             |                 |              | Same as above                                                                             |     |
| 14    | 4           |     |             |                 |              |                                                                                           |     |
| 15    | 1           |     |             |                 |              | Grey f SAND, little silt, trace rounded gravel, no odor, damp                             |     |
| 16    | 10          |     |             |                 |              |                                                                                           |     |
| 17    | 50          |     |             |                 |              | Same as above                                                                             |     |
| 18    | 50/4        |     |             |                 |              |                                                                                           |     |
| 19    |             |     |             |                 |              | Augar refusal at 16'                                                                      |     |
| 20    |             |     |             |                 |              |                                                                                           |     |
| 21    |             |     |             |                 |              |                                                                                           |     |
| 22    |             |     |             |                 |              |                                                                                           |     |
| 23    |             |     |             |                 |              |                                                                                           |     |
| 24    |             |     |             |                 |              |                                                                                           |     |
| 25    |             |     |             |                 |              |                                                                                           |     |
| 26    |             |     |             |                 |              |                                                                                           |     |
| 27    |             |     |             |                 |              |                                                                                           |     |
| 28    |             |     |             |                 |              |                                                                                           |     |
| 29    |             |     |             |                 |              |                                                                                           |     |
| 30    |             |     |             |                 |              |                                                                                           |     |
| 31    |             |     |             |                 |              |                                                                                           |     |
| 32    |             |     |             |                 |              |                                                                                           |     |
| 33    |             |     |             |                 |              |                                                                                           |     |
| 34    |             |     |             |                 |              |                                                                                           |     |
| 35    |             |     |             |                 |              |                                                                                           |     |
| 36    |             |     |             |                 |              |                                                                                           |     |
| 37    |             |     |             |                 |              |                                                                                           |     |
| 38    |             |     |             |                 |              |                                                                                           |     |
| 39    |             |     |             |                 |              |                                                                                           |     |
| 40    |             |     |             |                 |              |                                                                                           |     |
| 41    |             |     |             |                 |              |                                                                                           |     |
| 42    |             |     |             |                 |              |                                                                                           |     |
| 43    |             |     |             |                 |              |                                                                                           |     |
| 44    |             |     |             |                 |              |                                                                                           |     |
| 45    |             |     |             |                 |              |                                                                                           |     |
| 46    |             |     |             |                 |              |                                                                                           |     |
| 47    |             |     |             |                 |              |                                                                                           |     |
| 48    |             |     |             |                 |              |                                                                                           |     |
| 49    |             |     |             |                 |              |                                                                                           |     |
| 50    |             |     |             |                 |              |                                                                                           |     |
| 51    |             |     |             |                 |              |                                                                                           |     |
| 52    |             |     |             |                 |              |                                                                                           |     |
| 53    |             |     |             |                 |              |                                                                                           |     |
| 54    |             |     |             |                 |              |                                                                                           |     |
| 55    |             |     |             |                 |              |                                                                                           |     |
| 56    |             |     |             |                 |              |                                                                                           |     |
| 57    |             |     |             |                 |              |                                                                                           |     |
| 58    |             |     |             |                 |              |                                                                                           |     |
| 59    |             |     |             |                 |              |                                                                                           |     |
| 60    |             |     |             |                 |              |                                                                                           |     |
| 61    |             |     |             |                 |              |                                                                                           |     |
| 62    |             |     |             |                 |              |                                                                                           |     |
| 63    |             |     |             |                 |              |                                                                                           |     |
| 64    |             |     |             |                 |              |                                                                                           |     |
| 65    |             |     |             |                 |              |                                                                                           |     |
| 66    |             |     |             |                 |              |                                                                                           |     |
| 67    |             |     |             |                 |              |                                                                                           |     |
| 68    |             |     |             |                 |              |                                                                                           |     |
| 69    |             |     |             |                 |              |                                                                                           |     |
| 70    |             |     |             |                 |              |                                                                                           |     |
| 71    |             |     |             |                 |              |                                                                                           |     |
| 72    |             |     |             |                 |              |                                                                                           |     |
| 73    |             |     |             |                 |              |                                                                                           |     |
| 74    |             |     |             |                 |              |                                                                                           |     |
| 75    |             |     |             |                 |              |                                                                                           |     |
| 76    |             |     |             |                 |              |                                                                                           |     |
| 77    |             |     |             |                 |              |                                                                                           |     |
| 78    |             |     |             |                 |              |                                                                                           |     |
| 79    |             |     |             |                 |              |                                                                                           |     |
| 80    |             |     |             |                 |              |                                                                                           |     |
| 81    |             |     |             |                 |              |                                                                                           |     |
| 82    |             |     |             |                 |              |                                                                                           |     |
| 83    |             |     |             |                 |              |                                                                                           |     |
| 84    |             |     |             |                 |              |                                                                                           |     |
| 85    |             |     |             |                 |              |                                                                                           |     |
| 86    |             |     |             |                 |              |                                                                                           |     |
| 87    |             |     |             |                 |              |                                                                                           |     |
| 88    |             |     |             |                 |              |                                                                                           |     |
| 89    |             |     |             |                 |              |                                                                                           |     |
| 90    |             |     |             |                 |              |                                                                                           |     |
| 91    |             |     |             |                 |              |                                                                                           |     |
| 92    |             |     |             |                 |              |                                                                                           |     |
| 93    |             |     |             |                 |              |                                                                                           |     |
| 94    |             |     |             |                 |              |                                                                                           |     |
| 95    |             |     |             |                 |              |                                                                                           |     |
| 96    |             |     |             |                 |              |                                                                                           |     |
| 97    |             |     |             |                 |              |                                                                                           |     |
| 98    |             |     |             |                 |              |                                                                                           |     |
| 99    |             |     |             |                 |              |                                                                                           |     |
| 100   |             |     |             |                 |              |                                                                                           |     |

LEGEND  
S- SPLIT SPOON SOIL SAMPLE  
U- UNDISTURBED SOIL SAMPLE  
C- ROCK CORE SAMPLE

Notes: screen 6-16'; sand 4-16'; bentonite 2-4'; grout/cement 0-2';

GENERAL NOTES:

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

BORING # MW-17



2230 PENFIELD ROAD  
PENFIELD, NEW YORK 14526

PROJECT

Orchard-Whitney ERP #E828123  
415 Orchard Street and  
354 Whitney Street, Rochester, NY

BORING MW-18

SHEET 1 OF 1  
JOB #: 4216  
CHKD. BY: N/A

CONTRACTOR: Paragon

DRILLER: Robert

JCL GEOLOGIST: D. PECK (City)

BORING LOCATION: SEE PLAN

GROUND SURFACE ELEVATION: N/A DATUM: N/A

START DATE: 10/1/08 END DATE: 10/1/08

TYPE OF DRILL RIG: Mobile Drill B-59  
CASING SIZE AND TYPE: 4.25" HAS  
OVERBURDEN SAMPLING METHOD: Split Spoon  
ROCK DRILLING METHOD: Tri-cone bit (rotary)

WATER LEVEL DATA

| DATE | TIME | WATER | CASING | REMARKS |
|------|------|-------|--------|---------|
|      |      |       |        |         |
|      |      |       |        |         |
|      |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                        | PID |
|-------|-------------|-----|-------------|-----------------|--------------|-----------------------------------------------------------|-----|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                           |     |
| 1     | 1           |     |             |                 |              | No recovery                                               |     |
| 2     | 3           |     | 0.5-2       | 2               | 0%           |                                                           |     |
| 3     | 8           |     |             |                 |              | Brown re-worked silty SAND and GRAVEL, little clay (fill) | 0.0 |
| 4     | 10          |     | 2-4'        | 18              | 30%          |                                                           | 0.0 |
| 5     | 13          |     |             |                 |              |                                                           |     |
| 6     | 6           |     | 4-6'        | 25              | 50%          |                                                           | 0.0 |
| 7     | 2           |     |             |                 |              |                                                           |     |
| 8     | 1           |     | 6-8         | 3               | 40%          | Yellow-brown CLAY, little sand (fill) wet                 | 0.0 |
| 9     | 1           |     |             |                 |              |                                                           |     |
| 10    | 14          |     | 8-10        | 2               | 30%          | Red-brown SAND, little gravel and clay                    | 0.0 |
| 11    | 18          |     |             |                 |              |                                                           |     |
| 12    | 50/2        |     | 10-11.7     | 57              | 30%          | Grey SAND, trace silt and gravel                          | 0.0 |
| 13    |             |     |             |                 |              | Augar Refusal at 11.2'                                    |     |
| 14    |             |     |             |                 |              |                                                           |     |
| 15    |             |     |             |                 |              |                                                           |     |
| 16    |             |     |             |                 |              |                                                           |     |
| 17    |             |     |             |                 |              |                                                           |     |
| 18    |             |     |             |                 |              |                                                           |     |
| 19    |             |     |             |                 |              |                                                           |     |
| 20    |             |     |             |                 |              |                                                           |     |

LEGEND

- S- SPLIT SPOON SOIL SAMPLE
- U- UNDISTURBED SOIL SAMPLE
- C- ROCK CORE SAMPLE

Notes: core 11.2-16.2'; screen 6-16'; sand 4-16'; bentonite 2-4'; grout/cement 0-2';lost 400 gallon water

GENERAL NOTES:

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

BORING # MW-18



2230 PENFIELD ROAD  
PENFIELD, NEW YORK 14526

PROJECT

Orchard-Whitney ERP #E828123  
415 Orchard Street and  
354 Whitney Street, Rochester, NY

BORING MW-19

SHEET 1 OF 1  
JOB #: 4216  
CHKD. BY: N/A

CONTRACTOR: Paragon

DRILLER: Robert

JCL GEOLOGIST: D. PECK (City)

BORING LOCATION: SEE PLAN

GROUND SURFACE ELEVATION: N/A

DATUM: N/A

START DATE: 10/1/08

END DATE: 10/1/08

TYPE OF DRILL RIG: Mobile Drill B-59

CASING SIZE AND TYPE: 4.25" HAS

OVERBURDEN SAMPLING METHOD: Split Spoon

ROCK DRILLING METHOD: Tri-cone bit (rotary)

WATER LEVEL DATA

| DATE | TIME | WATER | CASING | REMARKS |
|------|------|-------|--------|---------|
|      |      |       |        |         |
|      |      |       |        |         |
|      |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                    | PID |
|-------|-------------|-----|-------------|-----------------|--------------|-------------------------------------------------------|-----|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                       |     |
| 1     | 8           |     |             |                 |              | SAND, SILT, and GRAVEL (fill)                         | 0.0 |
| 2     | 8           |     | 1-2         |                 | 5%           |                                                       |     |
| 3     | 7           |     |             |                 |              | Brown SILT, little sand, trace gravel and clay (fill) | 0.0 |
| 4     | 2           |     |             |                 |              |                                                       |     |
| 5     | 1           |     | 2-4         | 3               | 40%          | Same as above- little clay                            | 0.0 |
| 6     | 4           |     |             |                 |              |                                                       |     |
| 7     | 4           |     | 4-6         | 8               |              | Light brown m SAND, damp                              | 0.0 |
| 8     | 3           |     |             |                 |              |                                                       |     |
| 9     | 2           |     |             |                 |              | Brown f SAND, little silt, trace gravel, damp         | 0.0 |
| 10    | 2           |     | 6-8         | 4               |              |                                                       |     |
| 11    | 12          |     |             |                 |              | Brown f SAND, little silt, trace gravel, damp         | 0.0 |
| 12    | 37          |     | 8-9.4       |                 | 10%          |                                                       |     |
| 13    | 50/4        |     |             |                 |              | Grey-brown f SAND and SILT, trace gravel (till)       | 0.0 |
| 14    | 24          |     | 10-10.7     |                 |              |                                                       |     |
| 15    | 50/2        |     |             |                 | 10%          | Augar Refusal at 9.5'                                 | 0.0 |
| 16    |             |     |             |                 |              |                                                       |     |
| 17    |             |     |             |                 |              |                                                       |     |
| 18    |             |     |             |                 |              |                                                       |     |
| 19    |             |     |             |                 |              |                                                       |     |
| 20    |             |     |             |                 |              |                                                       |     |

LEGEND

- S- SPLIT SPOON SOIL SAMPLE
- U- UNDISTURBED SOIL SAMPLE
- C- ROCK CORE SAMPLE

Notes: Rollerboot to 15'; screen 5-15'; sand 4-15'; bentonite 2-4'; grout/cement 0-2'; 500 gallons water used

GENERAL NOTES:

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

BORING # MW-19



2230 PENFIELD ROAD  
PENFIELD, NEW YORK 14526

PROJECT

Orchard-Whitney ERP #E828123  
415 Orchard Street and  
354 Whitney Street, Rochester, NY

BORING MW-20

SHEET 1 OF 1  
JOB #: 4216  
CHKD. BY: N/A

CONTRACTOR: Paragon

DRILLER: Robert

JCL GEOLOGIST: D. PECK (City)

BORING LOCATION: SEE PLAN

GROUND SURFACE ELEVATION: N/A

DATUM: N/A

START DATE: 10/2/08

END DATE: 10/2/08

TYPE OF DRILL RIG: Mobile Drill B-59

CASING SIZE AND TYPE: 4.25" HAS

OVERBURDEN SAMPLING METHOD: Split Spoon

ROCK DRILLING METHOD: Tri-cone bit (rotary)

WATER LEVEL DATA

| DATE | TIME | WATER | CASING | REMARKS |
|------|------|-------|--------|---------|
|      |      |       |        |         |
|      |      |       |        |         |
|      |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                     | PID   |
|-------|-------------|-----|-------------|-----------------|--------------|--------------------------------------------------------|-------|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                        |       |
| 1     | 20          |     |             |                 |              | SAND, SILT, and GRAVEL (fill)                          | 0.0   |
|       | 21          |     |             |                 |              |                                                        |       |
|       | 18          |     |             |                 |              |                                                        |       |
| 2     | 2           |     | 0-2         | 39              | 50%          | Brown f SAND, damp                                     | 0.0   |
|       | 3           |     |             |                 |              |                                                        |       |
| 3     | 2           |     |             |                 |              | Brown CLAY and GRAVEL, damp/wet, slight petroleum odor | 4.7   |
|       | 18          |     |             |                 |              |                                                        |       |
| 4     | 6           |     | 2-4         | 18              | 40%          | Same as above- wet, petroleum odor                     | 101.0 |
|       | 4           |     |             |                 |              |                                                        |       |
| 5     | 4           |     |             |                 |              | Grey vf SAND, wet                                      | 0.4   |
|       | 4           |     |             |                 |              |                                                        |       |
| 6     | 4           |     | 4-6         | 16              |              | Augar Refusal                                          |       |
|       | 2           |     |             |                 |              |                                                        |       |
| 7     | 52          |     |             |                 |              |                                                        |       |
|       | 2           |     |             |                 |              |                                                        |       |
| 8     | 17          |     | 6-8         | 7               | 60%          |                                                        |       |
|       | 23          |     |             |                 |              |                                                        |       |
| 9     | 34          |     |             |                 |              |                                                        |       |
|       | 37          |     |             |                 |              |                                                        |       |
| 10    | 27          |     | 8-10        |                 |              |                                                        |       |
|       | 34          |     |             |                 |              |                                                        |       |
| 11    | 37          |     |             |                 |              |                                                        |       |
|       | 44          |     |             |                 |              |                                                        |       |
| 12    | 50/2        |     | 12-Oct      |                 |              |                                                        |       |
|       |             |     |             |                 |              |                                                        |       |
| 13    |             |     |             |                 |              |                                                        |       |
|       |             |     |             |                 |              |                                                        |       |
| 14    |             |     |             |                 |              |                                                        |       |
|       |             |     |             |                 |              |                                                        |       |
| 15    |             |     |             |                 |              |                                                        |       |
|       |             |     |             |                 |              |                                                        |       |
| 16    |             |     |             |                 |              |                                                        |       |
|       |             |     |             |                 |              |                                                        |       |
| 17    |             |     |             |                 |              |                                                        |       |
|       |             |     |             |                 |              |                                                        |       |
| 18    |             |     |             |                 |              |                                                        |       |
|       |             |     |             |                 |              |                                                        |       |
| 19    |             |     |             |                 |              |                                                        |       |
|       |             |     |             |                 |              |                                                        |       |
| 20    |             |     |             |                 |              |                                                        |       |
|       |             |     |             |                 |              |                                                        |       |

LEGEND

- S- SPLIT SPOON SOIL SAMPLE
- U- UNDISTURBED SOIL SAMPLE
- C- ROCK CORE SAMPLE

Notes: 275-gallon water used; well 17-5'

GENERAL NOTES:

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

BORING # MW-20



2230 PENFIELD ROAD  
PENFIELD, NEW YORK 14526  
Civil and Environmental

PROJECT

Orchard-Whitney ERP #E828123  
415 Orchard Street and  
354 Whitney Street, Rochester, NY

BORING MW-21

SHEET 1 OF 1  
JOB #: 4216  
CHKD. BY: N/A

CONTRACTOR: Paragon

DRILLER: Robert

JCL GEOLOGIST: D. PECK (City)

BORING LOCATION: SEE PLAN

GROUND SURFACE ELEVATION: N/A

DATUM: N/A

START DATE: 10/3/08

END DATE: 10/3/08

TYPE OF DRILL RIG: Mobile Drill B-59

CASING SIZE AND TYPE: 4.25" HAS

OVERBURDEN SAMPLING METHOD: Split Spoon

ROCK DRILLING METHOD: Tri-cone bit (rotary)

WATER LEVEL DATA

| DATE | TIME | WATER | CASING | REMARKS |
|------|------|-------|--------|---------|
|      |      |       |        |         |
|      |      |       |        |         |
|      |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                               | PID |
|-------|-------------|-----|-------------|-----------------|--------------|--------------------------------------------------|-----|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                  |     |
| 1     |             |     |             |                 |              | No Samples 0-4'                                  |     |
| 2     |             |     |             |                 |              |                                                  |     |
| 3     |             |     |             |                 |              |                                                  |     |
| 4     |             |     |             |                 |              |                                                  |     |
| 5     | 1           |     |             |                 |              | Brown SILT, little clay and gravel, damp         | 0.0 |
| 6     | 1           |     | 4-6         | 2               |              |                                                  |     |
| 7     | 2           |     |             |                 |              |                                                  |     |
| 8     | 3           |     |             |                 |              | Same as above- wet, saturated                    | 0.0 |
| 9     | 5           |     |             |                 |              |                                                  |     |
| 10    | 2           |     | 6-8         | 8               |              | Same as above- petroleum odor                    |     |
| 11    | 4           |     |             |                 |              |                                                  |     |
| 12    | 2           |     |             |                 |              | Same as above                                    |     |
| 13    | 3           |     |             |                 |              |                                                  |     |
| 14    | 10          |     | 8-10        | 5               |              |                                                  |     |
| 15    | 43          |     |             |                 |              | Grey f SAND and SILT, trace rounded GRAVEL, damp | 0.0 |
| 16    | 50/4        |     |             |                 |              |                                                  |     |
| 17    |             |     | 10-10.9     |                 |              | Same as above- SILT, t gravel                    |     |
| 18    | 30          |     |             |                 |              |                                                  |     |
| 19    | 35          |     |             |                 |              |                                                  |     |
| 20    | 50/3        |     | 12-13.3     |                 |              |                                                  |     |

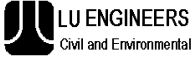
LEGEND

- S- SPLIT SPOON SOIL SAMPLE
- U- UNDISTURBED SOIL SAMPLE
- C- ROCK CORE SAMPLE

GENERAL NOTES:

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

BORING # MW-21



2230 PENFIELD ROAD  
PENFIELD, NEW YORK 14526

PROJECT  
Orchard-Whitney ERP #E828123  
415 Orchard Street and  
354 Whitney Street, Rochester, NY

BORING MW-22  
SHEET 1 OF 1  
JOB #: 4216  
CHKD. BY: N/A

CONTRACTOR: Paragon  
DRILLER: Robert  
JCL GEOLOGIST: D. PECK (City)

BORING LOCATION: SEE PLAN  
GROUND SURFACE ELEVATION: N/A DATUM: N/A  
START DATE: 10/6/08 END DATE: 10/6/08

TYPE OF DRILL RIG: Mobile Drill B-59  
CASING SIZE AND TYPE: 4.25" HAS  
OVERBURDEN SAMPLING METHOD: Split Spoon  
ROCK DRILLING METHOD: Tri-cone bit (rotary)

| WATER LEVEL DATA |      |       |        |         |
|------------------|------|-------|--------|---------|
| DATE             | TIME | WATER | CASING | REMARKS |
|                  |      |       |        |         |
|                  |      |       |        |         |
|                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                 | PID |
|-------|-------------|-----|-------------|-----------------|--------------|----------------------------------------------------|-----|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                    |     |
| 1     | 7           |     |             |                 |              | Asphalt and stone<br>No recovery                   |     |
| 2     | 2           |     |             |                 |              |                                                    |     |
| 2     | 3           |     | 0-2         | 9               | 0%           | Brown m-f SAND, damp                               | 0.0 |
| 3     | 3           |     |             |                 |              |                                                    |     |
| 3     | 2           |     |             |                 |              |                                                    |     |
| 4     | 2           |     | 2-4         | 5               | 70%          | Same as above-f SAND, little silt, damp, wet       | 0.0 |
| 5     | 7           |     |             |                 |              |                                                    |     |
| 5     | 10          |     |             |                 |              |                                                    |     |
| 5     | 10          |     |             |                 |              |                                                    |     |
| 6     |             |     | 4-6         | 20              | 60%          | Same as above- 3" gravel seam at 7'                | 0.0 |
| 7     | 15          |     |             |                 |              |                                                    |     |
| 7     | 12          |     |             |                 |              |                                                    |     |
| 7     | 10          |     |             |                 |              |                                                    |     |
| 8     | 14          |     | 6-8         | 24              | 50%          | Brown f SAND and SILT, little rounded gravel, damp | 0.0 |
| 9     | 11          |     |             |                 |              |                                                    |     |
| 9     | 50/4        |     |             |                 |              |                                                    |     |
| 10    |             |     | 8-8.4       |                 | 30%          | Grey SILT, trace sand and rounded gravel, damp     | 0.0 |
| 11    | 15          |     |             |                 |              | Auger refusal at 11'                               |     |
| 11    | 50/4        |     |             |                 |              |                                                    |     |
| 12    |             |     | 10-11.4     |                 | 60%          |                                                    |     |
| 13    |             |     |             |                 |              |                                                    |     |
| 14    |             |     |             |                 |              |                                                    |     |
| 15    |             |     |             |                 |              |                                                    |     |
| 16    |             |     |             |                 |              |                                                    |     |
| 17    |             |     |             |                 |              |                                                    |     |
| 18    |             |     |             |                 |              |                                                    |     |
| 19    |             |     |             |                 |              |                                                    |     |
| 20    |             |     |             |                 |              |                                                    |     |

**LEGEND**  
S- SPLIT SPOON SOIL SAMPLE  
U- UNDISTURBED SOIL SAMPLE  
C- ROCK CORE SAMPLE

Notes: core 11-16'; screen 4-16'; sand 3-16'; bentonite 2-3'; grout/cement 0-2'; used 200-gallons water

**GENERAL NOTES:**  
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

BORING # MW-22



2230 PENFIELD ROAD  
PENFIELD, NEW YORK 14526

PROJECT

Orchard-Whitney ERP #E828123  
415 Orchard Street and  
354 Whitney Street, Rochester, NY

BORING SB-01

SHEET 1 OF 1  
JOB #: 4216  
CHKD. BY: N/A

CONTRACTOR: Paragon  
DRILLER: Robert  
JCL GEOLOGIST: D. PECK (City)

BORING LOCATION: SEE PLAN  
GROUND SURFACE ELEVATION: N/A DATUM: N/A  
START DATE: 9/23/08 END DATE: 9/23/08

TYPE OF DRILL RIG: Mobil Dill B-59  
CASING SIZE AND TYPE: 4.25" HAS  
OVERBURDEN SAMPLING METHOD: Split Spoon  
ROCK DRILLING METHOD: Tri-cone bit (rotary)

WATER LEVEL DATA

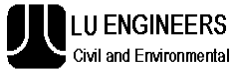
| DATE | TIME | WATER | CASING | REMARKS |
|------|------|-------|--------|---------|
|      |      |       |        |         |
|      |      |       |        |         |
|      |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                                        | PID |
|-------|-------------|-----|-------------|-----------------|--------------|-------------------------------------------------------------------------------------------|-----|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                                           |     |
| 1     |             |     |             |                 |              | Light brown SILT and f SAND, some m-f gravel, little c-m sand, trace clay, moist, no odor | ND  |
| 2     |             |     |             |                 |              |                                                                                           |     |
| 3     |             |     |             |                 |              |                                                                                           |     |
| 4     | 3           |     |             |                 | 20%          |                                                                                           |     |
| 5     | 6           |     |             |                 |              | Grey SILT and rock fragments, angular, saturated, no odor                                 | 7.7 |
| 6     | 8           |     |             |                 |              |                                                                                           |     |
| 7     | 8           |     |             |                 |              |                                                                                           |     |
| 8     | 12          |     |             |                 |              |                                                                                           |     |
| 9     | 15          |     |             |                 | 75%          | Auger refusal at 7'                                                                       |     |
| 10    | 12          |     |             |                 |              |                                                                                           |     |
| 11    |             |     |             |                 |              |                                                                                           |     |
| 12    |             |     |             |                 |              |                                                                                           |     |
| 13    |             |     |             |                 |              |                                                                                           |     |
| 14    |             |     |             |                 |              |                                                                                           |     |
| 15    |             |     |             |                 |              |                                                                                           |     |
| 16    |             |     |             |                 |              |                                                                                           |     |
| 17    |             |     |             |                 |              |                                                                                           |     |
| 18    |             |     |             |                 |              |                                                                                           |     |
| 19    |             |     |             |                 |              |                                                                                           |     |
| 20    |             |     |             |                 |              |                                                                                           |     |

**LEGEND**  
S- SPLIT SPOON SOIL SAMPLE  
U- UNDISTURBED SOIL SAMPLE  
C- ROCK CORE SAMPLE

Notes: 1)Refusal at 4.4'- moved back slightly and re-drilled; 2)Refusal at 3.5'- steel plate. Move south 3' and re-drilled.

**GENERAL NOTES:**  
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.



2230 PENFIELD ROAD  
PENFIELD, NEW YORK 14526

PROJECT

Orchard-Whitney ERP #E828123  
415 Orchard Street and  
354 Whitney Street, Rochester, NY

BORING SB-02/MW-08

SHEET 1 OF 1  
JOB #: 4216  
CHKD. BY: N/A

CONTRACTOR:

BORING LOCATION: SEE PLAN

DRILLER:

GROUND SURFACE ELEVATION: N/A DATUM: N/A

JCL GEOLOGIST:

START DATE: 9/23/08 END DATE: 9/23/08

TYPE OF DRILL RIG: Mobil Dill B-59  
CASING SIZE AND TYPE: 4.25" HAS  
OVERBURDEN SAMPLING METHOD: Split Spoon  
ROCK DRILLING METHOD: Tri-cone bit (rotary)

WATER LEVEL DATA

| DATE | TIME | WATER | CASING | REMARKS |
|------|------|-------|--------|---------|
|      |      |       |        |         |
|      |      |       |        |         |
|      |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                                                      | PID |
|-------|-------------|-----|-------------|-----------------|--------------|---------------------------------------------------------------------------------------------------------|-----|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                                                         |     |
| 1     | 4           |     |             |                 | 100%         | Dark brown SILT and f SAND, some c-m sand, little m-f gravel, moist, no odor                            | ND  |
|       | 7           |     |             |                 |              |                                                                                                         |     |
|       | 9           |     |             |                 |              |                                                                                                         |     |
| 2     | 4           |     |             |                 |              | Medium brown SILT and f SAND, some c-m sand, little cmf gravel, trace clay, moist, no odor              | 0.2 |
|       | 4           |     |             |                 |              |                                                                                                         |     |
|       | 3           |     |             |                 |              |                                                                                                         |     |
| 3     | 4           |     |             |                 |              | Same as above                                                                                           | 0.1 |
|       | 7           |     |             |                 |              |                                                                                                         |     |
|       | 6           |     |             |                 |              |                                                                                                         |     |
| 4     | 8           |     |             |                 |              | Same as above- stiff, no odor                                                                           | 0.0 |
|       | 11          |     |             |                 |              |                                                                                                         |     |
|       | 8           |     |             |                 |              |                                                                                                         |     |
| 5     | 8           |     |             |                 |              | Brown SILT and m-f SAND, little cmf gravel, little c sand, little clay, moist/wet, no odor              | 0.1 |
|       | 11          |     |             |                 |              |                                                                                                         |     |
|       | 1           |     |             |                 |              |                                                                                                         |     |
| 6     | 3           |     |             |                 |              | Red brown m-f SAND and SILT, some c sand, trace cmf gravel, saturated, compact, no odor                 | 0.0 |
|       | 3           |     |             |                 |              |                                                                                                         |     |
|       | 2           |     |             |                 |              |                                                                                                         |     |
| 7     | 3           |     |             |                 |              | Red brown cmf SAND and SILT, some cmf gravel, saturated, loose, no odor                                 | 0.0 |
|       | 1           |     |             |                 |              |                                                                                                         |     |
|       | 1           |     |             |                 |              |                                                                                                         |     |
| 8     | 2           |     |             |                 |              | Medium brown cmf SAND and SILT, some cmf gravel, trace clay, stiff, drier with saturated zones, no odor | 0.1 |
|       | 5           |     |             |                 |              |                                                                                                         |     |
|       | 4           |     |             |                 |              |                                                                                                         |     |
| 9     | 8           |     |             |                 |              | Same as above-loose, wet/saturated, no odor                                                             |     |
|       | 9           |     |             |                 |              |                                                                                                         |     |
|       | 11          |     |             |                 |              |                                                                                                         |     |
| 10    | 12          |     |             |                 |              |                                                                                                         |     |
|       | 13          |     |             | 50%             |              |                                                                                                         |     |
|       | 50          |     |             |                 |              |                                                                                                         |     |
| 11    |             |     |             |                 |              |                                                                                                         |     |
|       |             |     |             |                 |              |                                                                                                         |     |
|       |             |     |             |                 |              |                                                                                                         |     |
| 12    |             |     |             |                 |              |                                                                                                         |     |
|       |             |     |             |                 |              |                                                                                                         |     |
|       |             |     |             |                 |              |                                                                                                         |     |
| 13    |             |     |             |                 |              |                                                                                                         |     |
|       |             |     |             |                 |              |                                                                                                         |     |
|       |             |     |             |                 |              |                                                                                                         |     |
| 14    |             |     |             |                 |              |                                                                                                         |     |
|       |             |     |             |                 |              |                                                                                                         |     |
|       |             |     |             |                 |              |                                                                                                         |     |
| 15    |             |     |             |                 |              |                                                                                                         |     |
|       |             |     |             |                 |              |                                                                                                         |     |
|       |             |     |             |                 |              |                                                                                                         |     |
| 16    |             |     |             |                 |              |                                                                                                         |     |
|       |             |     |             |                 |              |                                                                                                         |     |
|       |             |     |             |                 |              |                                                                                                         |     |
| 17    |             |     |             |                 |              |                                                                                                         |     |
|       |             |     |             |                 |              |                                                                                                         |     |
|       |             |     |             |                 |              |                                                                                                         |     |
| 18    |             |     |             |                 |              |                                                                                                         |     |
|       |             |     |             |                 |              |                                                                                                         |     |
|       |             |     |             |                 |              |                                                                                                         |     |
| 19    |             |     |             |                 |              |                                                                                                         |     |
|       |             |     |             |                 |              |                                                                                                         |     |
|       |             |     |             |                 |              |                                                                                                         |     |
| 20    |             |     |             |                 |              |                                                                                                         |     |
|       |             |     |             |                 |              |                                                                                                         |     |
|       |             |     |             |                 |              |                                                                                                         |     |

LEGEND

- S- SPLIT SPOON SOIL SAMPLE
- U- UNDISTURBED SOIL SAMPLE
- C- ROCK CORE SAMPLE

Notes: Setting well in overburden with 12' screen; btwn 18-6'; sand 6-4.5'; grout/cement

GENERAL NOTES:

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

BORING # SB-02/MW-08





2230 PENFIELD ROAD  
PENFIELD, NEW YORK 14526

PROJECT

Orchard-Whitney ERP #E828123  
415 Orchard Street and  
354 Whitney Street, Rochester, NY

BORING SB-03

SHEET 1 OF 1  
JOB #: 4216  
CHKD. BY: N/A

CONTRACTOR: Paragon  
DRILLER: Rpbert  
JCL GEOLOGIST: D. PECK (City)

BORING LOCATION: SEE PLAN  
GROUND SURFACE ELEVATION: N/A DATUM: N/A  
START DATE: 9/24/08 END DATE: 9/24/08

TYPE OF DRILL RIG: Mobile Dill B-59  
CASING SIZE AND TYPE: 4.25" HAS  
OVERBURDEN SAMPLING METHOD: Split Spoon  
ROCK DRILLING METHOD: Tri-cone bit (rotary)

WATER LEVEL DATA

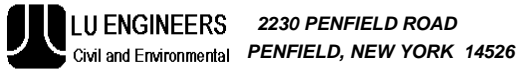
| DATE | TIME | WATER | CASING | REMARKS |
|------|------|-------|--------|---------|
|      |      |       |        |         |
|      |      |       |        |         |
|      |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                          | PID |
|-------|-------------|-----|-------------|-----------------|--------------|-----------------------------------------------------------------------------|-----|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                             |     |
| 1     | 6           |     |             |                 |              | Brown SILT, trace gravel and roots (fill)<br>Light brown f SAND (fill), dry | 0.0 |
|       | 8           |     |             |                 |              |                                                                             |     |
| 2     | 8           |     |             |                 |              | No recovery                                                                 |     |
|       | 10          |     | 0-2         | 16              | 50%          |                                                                             |     |
| 3     | 5           |     |             |                 |              | No recovery                                                                 |     |
|       | 5           |     |             |                 |              |                                                                             |     |
| 4     | 6           |     |             |                 |              | No recovery                                                                 |     |
|       | 5           |     | 2-4         | 11              | 0%           |                                                                             |     |
| 5     | 2           |     |             |                 |              | No recovery                                                                 |     |
|       | 3           |     |             |                 |              |                                                                             |     |
| 6     | 3           |     |             |                 |              | No recovery                                                                 |     |
|       | 2           |     | 4-6         | 6               | 0%           |                                                                             |     |
| 7     | 5           |     |             |                 |              | Brown f SAND, little silt, trace clay, wet                                  | 0.0 |
|       | 9           |     |             |                 |              |                                                                             |     |
| 8     | 14          |     | 6-8         | 14              | 30%          | Brown f SAND, little clay and gravel, wet                                   | 0.0 |
|       | 6           |     |             |                 |              |                                                                             |     |
| 9     | 32          |     |             |                 |              | Auger refusal at 10.6'                                                      |     |
|       | 21          |     |             |                 |              |                                                                             |     |
| 10    | 15          |     | 8-10        | 53              | 40%          | Auger refusal at 10.6'                                                      |     |
|       | 46          |     | 10-10.6     |                 | 50%          |                                                                             |     |
| 11    | 50/1        |     |             |                 |              | Auger refusal at 10.6'                                                      |     |
|       |             |     |             |                 |              |                                                                             |     |
| 12    |             |     |             |                 |              | Auger refusal at 10.6'                                                      |     |
|       |             |     |             |                 |              |                                                                             |     |
| 13    |             |     |             |                 |              | Auger refusal at 10.6'                                                      |     |
|       |             |     |             |                 |              |                                                                             |     |
| 14    |             |     |             |                 |              | Auger refusal at 10.6'                                                      |     |
|       |             |     |             |                 |              |                                                                             |     |
| 15    |             |     |             |                 |              | Auger refusal at 10.6'                                                      |     |
|       |             |     |             |                 |              |                                                                             |     |
| 16    |             |     |             |                 |              | Auger refusal at 10.6'                                                      |     |
|       |             |     |             |                 |              |                                                                             |     |
| 17    |             |     |             |                 |              | Auger refusal at 10.6'                                                      |     |
|       |             |     |             |                 |              |                                                                             |     |
| 18    |             |     |             |                 |              | Auger refusal at 10.6'                                                      |     |
|       |             |     |             |                 |              |                                                                             |     |
| 19    |             |     |             |                 |              | Auger refusal at 10.6'                                                      |     |
|       |             |     |             |                 |              |                                                                             |     |
| 20    |             |     |             |                 |              | Auger refusal at 10.6'                                                      |     |
|       |             |     |             |                 |              |                                                                             |     |

LEGEND  
S- SPLIT SPOON SOIL SAMPLE  
U- UNDISTURBED SOIL SAMPLE  
C- ROCK CORE SAMPLE

Notes:

GENERAL NOTES:  
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.



|                                                             |  |                    |
|-------------------------------------------------------------|--|--------------------|
| PROJECT                                                     |  | BORING SB-04/MW-09 |
| Orchard-Whitney ERP #E828123                                |  | SHEET 1 OF 1       |
| 415 Orchard Street and<br>354 Whitney Street, Rochester, NY |  | JOB #: 4216        |
|                                                             |  | CHKD. BY: N/A      |

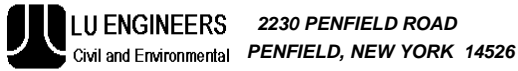
|                               |                                               |
|-------------------------------|-----------------------------------------------|
| CONTRACTOR: Paragon           | BORING LOCATION: SEE PLAN                     |
| DRILLER: Robert               | GROUND SURFACE ELEVATION: N/A      DATUM: N/A |
| JCL GEOLOGIST: D. PECK (City) | START DATE: 9/24/08      END DATE: 9/24/08    |

|                                                                                                                                                                   |                  |      |       |        |         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG: Mobile Drill B-59<br>CASING SIZE AND TYPE: 4.25" HAS<br>OVERBURDEN SAMPLING METHOD: Split Spoon<br>ROCK DRILLING METHOD: Tri-cone bit (rotary) | WATER LEVEL DATA |      |       |        |         |
|                                                                                                                                                                   | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                                                                                   |                  |      |       |        |         |
|                                                                                                                                                                   |                  |      |       |        |         |
|                                                                                                                                                                   |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                  | PID |
|-------|-------------|-----|-------------|-----------------|--------------|-------------------------------------|-----|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                     |     |
| 1     | 9           |     |             |                 |              | Concrete sidewalk                   |     |
|       | 15          |     |             |                 |              | Light brown f SAND (fill), dry      | 0.0 |
| 2     | 17          |     | 0-2         | 24              | 40%          | Brown f SAND and SILT, trace gravel | 0.0 |
|       | 22          |     |             |                 |              |                                     |     |
| 3     | 24          |     |             |                 |              |                                     |     |
|       | 21          |     |             |                 |              |                                     |     |
| 4     | 26          |     | 2-4         | 45              | 60%          |                                     |     |
|       | 11          |     |             |                 |              |                                     |     |
| 5     | 10          |     |             |                 |              |                                     |     |
|       | 16          |     |             |                 |              |                                     |     |
| 6     | 19          |     | 4-6         | 26              | 60%          | Same as above                       | 0.0 |
|       | 42          |     |             |                 |              |                                     |     |
| 7     | 21          |     |             |                 |              |                                     |     |
|       | 14          |     |             |                 |              |                                     |     |
| 8     | 14          |     | 6-8         | 35              | 50%          |                                     |     |
|       | 23          |     |             |                 |              |                                     |     |
| 9     | 14          |     |             |                 |              |                                     |     |
|       | 4           |     |             |                 |              |                                     |     |
| 10    | 2           |     | 8-10        | 18              | 50%          |                                     |     |
|       | 2           |     |             |                 |              |                                     |     |
| 11    | 13          |     |             |                 |              |                                     |     |
|       | 16          |     |             |                 |              |                                     |     |
| 12    | 20          |     | 10-12       | 29              | 60%          |                                     |     |
|       | 22          |     |             |                 |              |                                     |     |
| 13    | 34          |     |             |                 |              |                                     |     |
|       | 50/4        |     | 12-13.4     |                 |              |                                     |     |
| 14    |             |     |             |                 |              |                                     |     |
|       | 17          |     |             |                 |              |                                     |     |
| 15    | 50          |     |             |                 |              |                                     |     |
|       | 50.4        |     | 14-15.4     |                 | 50%          |                                     |     |
| 16    |             |     |             |                 |              |                                     |     |
|       | 12          |     |             |                 |              |                                     |     |
| 17    | 44          |     |             |                 |              |                                     |     |
|       | 50/3        |     | 16-17.3     |                 |              |                                     |     |
| 18    |             |     |             |                 |              |                                     |     |
|       |             |     | 18-18.6     |                 | 70%          |                                     |     |
| 19    |             |     |             |                 |              |                                     |     |
| 20    |             |     |             |                 |              | Auger refusal at 19.2'              |     |

|                                                                                                  |                                    |
|--------------------------------------------------------------------------------------------------|------------------------------------|
| <b>LEGEND</b><br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | Notes: water at 8.25'; BTC at 1530 |
|--------------------------------------------------------------------------------------------------|------------------------------------|

|                                                                                                                                                                                                                                                                                                                                   |                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| <b>GENERAL NOTES:</b><br>1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.<br>2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE. | BORING # SB-04/MW-09 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|



2230 PENFIELD ROAD  
PENFIELD, NEW YORK 14526

PROJECT  
Orchard-Whitney ERP #E828123  
415 Orchard Street and  
354 Whitney Street, Rochester, NY

BORING SB-05  
SHEET 1 OF 1  
JOB #: 4216  
CHKD. BY: N/A

CONTRACTOR: Paragon  
DRILLER: Robert  
JCL GEOLOGIST: LMS

BORING LOCATION: SEE PLAN  
GROUND SURFACE ELEVATION: N/A DATUM: N/A  
START DATE: 9/25/08 END DATE: 9/25/08

TYPE OF DRILL RIG: Mobile Drill B-59  
CASING SIZE AND TYPE: 4.25" HAS  
OVERBURDEN SAMPLING METHOD: Split Spoon  
ROCK DRILLING METHOD: Tri-cone bit (rotary)

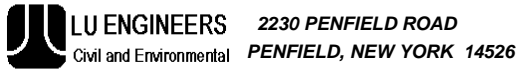
| WATER LEVEL DATA |      |       |        |         |
|------------------|------|-------|--------|---------|
| DATE             | TIME | WATER | CASING | REMARKS |
|                  |      |       |        |         |
|                  |      |       |        |         |
|                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                                              | PID |
|-------|-------------|-----|-------------|-----------------|--------------|-------------------------------------------------------------------------------------------------|-----|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                                                 |     |
| 1     | 5           |     |             |                 |              | Top soil                                                                                        |     |
|       | 2           |     |             |                 |              | Medium brown SILT and cmf SAND with c-f GRAVEL, dry, loose, trace coal fragments at 1.0' (fill) | 0.0 |
|       | 10          |     |             |                 |              |                                                                                                 |     |
| 2     | 5           |     | 0-2         |                 | 70%          | Medium brown SILT, some cmf sand, little gravel, moist                                          | 0.0 |
|       | 4           |     |             |                 |              |                                                                                                 |     |
| 3     | 4           |     |             |                 |              |                                                                                                 |     |
|       | 3           |     |             |                 |              |                                                                                                 |     |
| 4     | 9           |     | 2-4         |                 | 50%          | Medium brown f SAND and SILT, little c-f gravel, moist (till)                                   | 0.0 |
|       | 24          |     |             |                 |              |                                                                                                 |     |
| 5     | 30          |     |             |                 |              |                                                                                                 |     |
|       | 48          |     |             |                 |              |                                                                                                 |     |
| 6     | 34          |     | 4-6         |                 | 60%          | Same as above-compacted                                                                         | 0.0 |
|       | 22          |     |             |                 |              |                                                                                                 |     |
| 7     | 34          |     |             |                 |              |                                                                                                 |     |
|       | 40          |     |             |                 |              |                                                                                                 |     |
| 8     | 34          |     | 6-8         |                 | 75%          | Same as above-wet at 9'                                                                         | 0.0 |
|       | 11          |     |             |                 |              |                                                                                                 |     |
| 9     | 27          |     |             |                 |              |                                                                                                 |     |
|       | 26          |     |             |                 |              |                                                                                                 |     |
| 10    | 25          |     | 8-10        |                 | 60%          | Same as above-saturated at 10', no odor                                                         | 0.0 |
|       | 50/2        |     |             |                 |              | Auger refusal at 10.7'                                                                          |     |
| 11    |             |     |             |                 |              |                                                                                                 |     |
|       |             |     |             |                 |              |                                                                                                 |     |
| 12    |             |     | 10-12       |                 | 80%          |                                                                                                 | 0.0 |
| 13    |             |     |             |                 |              |                                                                                                 |     |
| 14    |             |     |             |                 |              |                                                                                                 |     |
| 15    |             |     |             |                 |              |                                                                                                 |     |
| 16    |             |     |             |                 |              |                                                                                                 |     |
| 17    |             |     |             |                 |              |                                                                                                 |     |
| 18    |             |     |             |                 |              |                                                                                                 |     |
| 19    |             |     |             |                 |              |                                                                                                 |     |
| 20    |             |     |             |                 |              |                                                                                                 |     |

**LEGEND**  
S- SPLIT SPOON SOIL SAMPLE  
U- UNDISTURBED SOIL SAMPLE  
C- ROCK CORE SAMPLE

Notes:

GENERAL NOTES:  
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.



2230 PENFIELD ROAD  
PENFIELD, NEW YORK 14526

PROJECT  
Orchard-Whitney ERP #E828123  
415 Orchard Street and  
354 Whitney Street, Rochester, NY

BORING SB-06/MW-10  
SHEET 1 OF 1  
JOB #: 4216  
CHKD. BY: N/A

CONTRACTOR: Paragon  
DRILLER: Robert  
JCL GEOLOGIST: RLF

BORING LOCATION: SEE PLAN  
GROUND SURFACE ELEVATION: N/A DATUM: N/A  
START DATE: 9/25/08 END DATE: 9/25/08

TYPE OF DRILL RIG: Mobile Drill B-59  
CASING SIZE AND TYPE: 4.25" HAS  
OVERBURDEN SAMPLING METHOD: Split Spoon  
ROCK DRILLING METHOD: Tri-cone bit (rotary)

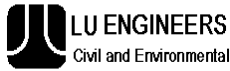
| WATER LEVEL DATA |      |       |        |         |
|------------------|------|-------|--------|---------|
| DATE             | TIME | WATER | CASING | REMARKS |
|                  |      |       |        |         |
|                  |      |       |        |         |
|                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                                        | PID |
|-------|-------------|-----|-------------|-----------------|--------------|-------------------------------------------------------------------------------------------|-----|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                                           |     |
| 1     | 1           |     |             |                 | 30%          | Asphalt<br>Medium brown SILT, some f sand, trace f gravel, moist, no odor                 | 0.0 |
| 2     | 2           |     |             |                 |              |                                                                                           |     |
| 3     | 3           |     |             |                 |              | Medium brown SILT, some cmf sand, little gravel, trace clay, moist, medium stiff, no odor | 0.0 |
| 6     | 6           |     |             |                 |              |                                                                                           |     |
| 8     | 8           |     |             |                 | 75%          |                                                                                           |     |
| 15    | 15          |     |             |                 |              |                                                                                           |     |
| 22    | 22          |     |             |                 |              | Medium brown SILT and f SAND, little cmf gravel, little c-m sand, moist, no odor (till)   | 0.0 |
| 7     | 7           |     |             |                 |              |                                                                                           |     |
| 16    | 16          |     |             |                 | 80%          |                                                                                           |     |
| 17    | 17          |     |             |                 |              |                                                                                           |     |
| 26    | 26          |     |             |                 |              | Same as above-trace c sand, no odor                                                       | 0.0 |
| 32    | 32          |     |             |                 |              |                                                                                           |     |
| 35    | 35          |     |             |                 | 100%         |                                                                                           |     |
| 36    | 36          |     |             |                 |              |                                                                                           |     |
| 27    | 27          |     |             |                 |              | Same as above-water at 9.5', no odor                                                      | 0.0 |
| 4     | 4           |     |             |                 | 90%          |                                                                                           |     |
| 21    | 21          |     |             |                 |              |                                                                                           |     |
| 30    | 30          |     |             |                 |              |                                                                                           |     |
| 30    | 30          |     |             |                 |              | Same as above-saturated at 11.5', no odor                                                 | 0.0 |
| 1     | 1           |     |             |                 | 90%          |                                                                                           |     |
| 18    | 18          |     |             |                 |              |                                                                                           |     |
| 26    | 26          |     |             |                 |              |                                                                                           |     |
| 25    | 25          |     |             |                 |              | Medium brown SILT and cmf SAND, trace gravel, saturated, no odor                          | 0.0 |
| 28    | 28          |     |             |                 | 60%          |                                                                                           |     |
| 33    | 33          |     |             |                 |              |                                                                                           |     |
| 50.4  | 50.4        |     |             |                 |              | Auger refusal at 13.4'                                                                    |     |
| 14    |             |     |             |                 |              |                                                                                           |     |
| 15    |             |     |             |                 |              |                                                                                           |     |
| 16    |             |     |             |                 |              |                                                                                           |     |
| 17    |             |     |             |                 |              |                                                                                           |     |
| 18    |             |     |             |                 |              |                                                                                           |     |
| 19    |             |     |             |                 |              |                                                                                           |     |
| 20    |             |     |             |                 |              |                                                                                           |     |

**LEGEND**  
S- SPLIT SPOON SOIL SAMPLE  
U- UNDISTURBED SOIL SAMPLE  
C- ROCK CORE SAMPLE

Notes: 14.6-14.8- highly fractured, iron stained, water bearing; 15.4'-two verticle fractures; 16.9'- water bearing

GENERAL NOTES:  
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.



2230 PENFIELD ROAD  
PENFIELD, NEW YORK 14526

PROJECT

Orchard-Whitney ERP #E828123  
415 Orchard Street and  
354 Whitney Street, Rochester, NY

BORING SB-07

SHEET 1 OF 1  
JOB #: 4216  
CHKD. BY: N/A

CONTRACTOR: Paragon  
DRILLER: Robert  
JCL GEOLOGIST: RLF

BORING LOCATION: SEE PLAN  
GROUND SURFACE ELEVATION: N/A DATUM: N/A  
START DATE: END DATE:

TYPE OF DRILL RIG: Mobile Drill B-59  
CASING SIZE AND TYPE: 4.25" HAS  
OVERBURDEN SAMPLING METHOD: Split Spoon  
ROCK DRILLING METHOD: Tri-cone bit (rotary)

WATER LEVEL DATA

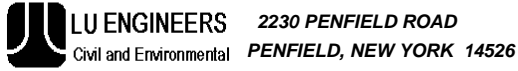
| DATE | TIME | WATER | CASING | REMARKS |
|------|------|-------|--------|---------|
|      |      |       |        |         |
|      |      |       |        |         |
|      |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                          | PID |
|-------|-------------|-----|-------------|-----------------|--------------|-----------------------------------------------------------------------------|-----|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                             |     |
| 1     |             |     |             |                 |              | Fill material, crushed brick and concrete, average size- cmf gravel, cobble |     |
| 2     |             |     |             |                 |              |                                                                             |     |
| 3     |             |     |             |                 |              |                                                                             |     |
| 4     |             |     |             |                 |              |                                                                             |     |
| 5     |             |     |             |                 |              |                                                                             |     |
| 6     |             |     |             |                 |              |                                                                             |     |
| 7     |             |     |             |                 |              |                                                                             |     |
| 8     |             |     |             |                 |              |                                                                             |     |
| 9     |             |     |             |                 |              |                                                                             |     |
| 10    | 9           |     |             |                 |              |                                                                             |     |
| 11    | 12          |     |             | 25%             |              |                                                                             |     |
| 12    | 50/4        |     |             |                 |              |                                                                             |     |
| 13    |             |     |             |                 |              |                                                                             |     |
| 14    |             |     |             |                 |              |                                                                             |     |
| 15    |             |     |             |                 |              |                                                                             |     |
| 16    |             |     |             |                 |              |                                                                             |     |
| 17    |             |     |             |                 |              |                                                                             |     |
| 18    |             |     |             |                 |              |                                                                             |     |
| 19    |             |     |             |                 |              |                                                                             |     |
| 20    |             |     |             |                 |              |                                                                             |     |

**LEGEND**  
S- SPLIT SPOON SOIL SAMPLE  
U- UNDISTURBED SOIL SAMPLE  
C- ROCK CORE SAMPLE

Notes:

GENERAL NOTES:  
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.



PROJECT  
Orchard-Whitney ERP #E828123  
415 Orchard Street and  
354 Whitney Street, Rochester, NY

BORING SB-19  
SHEET 1 OF 1  
JOB #: 4216  
CHKD. BY: N/A

CONTRACTOR: Paragon  
DRILLER: Robert  
JCL GEOLOGIST:

BORING LOCATION: SEE PLAN  
GROUND SURFACE ELEVATION: N/A DATUM: N/A  
START DATE: 10/3/08 END DATE: 10/3/08

TYPE OF DRILL RIG: Mobile Drill B-59  
CASING SIZE AND TYPE: 4.25" HAS  
OVERBURDEN SAMPLING METHOD: Split Spoon  
ROCK DRILLING METHOD: Tri-cone bit (rotary)

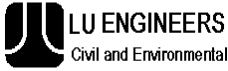
| WATER LEVEL DATA |      |       |        |         |
|------------------|------|-------|--------|---------|
| DATE             | TIME | WATER | CASING | REMARKS |
|                  |      |       |        |         |
|                  |      |       |        |         |
|                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                            | PID     |
|-------|-------------|-----|-------------|-----------------|--------------|---------------------------------------------------------------|---------|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                               |         |
| 1     |             |     |             |                 |              | Concrete                                                      |         |
| 2     |             |     |             |                 |              |                                                               |         |
| 3     | 50/2        |     |             |                 |              | Brown cmf SAND and GRAVEL, dry, no odor                       | 0.0     |
| 4     |             |     |             |                 |              |                                                               |         |
| 5     | 17          |     |             |                 |              | 12 ppm on augers                                              |         |
| 6     | 9           |     |             |                 |              | Brown SILT and cmf SAND, some cmf gravel, dry, no odor        | 0.0     |
| 7     | 8           |     |             |                 |              |                                                               |         |
| 8     | 5           |     |             |                 |              |                                                               |         |
| 9     |             |     |             |                 |              |                                                               |         |
| 10    |             |     |             |                 |              |                                                               |         |
| 11    | 10          |     |             |                 |              | Brown SILT and m-f SAND, little c SAND, wet, no odor          | 0.0     |
| 12    | 10          |     |             |                 |              |                                                               |         |
| 13    |             |     |             |                 |              |                                                               |         |
| 14    |             |     |             |                 |              |                                                               |         |
| 15    |             |     |             |                 |              |                                                               |         |
| 16    | 14          |     |             |                 |              | SILT and f SAND, some c-m SAND, some cmf gravel, wet, compact | 1.3 ppm |
| 17    | 38          |     |             |                 |              |                                                               |         |
| 18    | 15          |     |             |                 |              |                                                               |         |
| 19    | 48          |     |             |                 |              |                                                               |         |
| 20    |             |     |             |                 |              | Auger refusal at 18'                                          |         |

**LEGEND**  
S- SPLIT SPOON SOIL SAMPLE  
U- UNDISTURBED SOIL SAMPLE  
C- ROCK CORE SAMPLE

Notes:

**GENERAL NOTES:**  
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED. FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.



2230 PENFIELD ROAD  
PENFIELD, NEW YORK 14526

PROJECT

Orchard-Whitney ERP #E828123  
415 Orchard Street and  
354 Whitney Street, Rochester, NY

BORING SB-20

SHEET 1 OF 1  
JOB #: 4216  
CHKD. BY: N/A

CONTRACTOR: Paragon  
DRILLER: Robert  
JCL GEOLOGIST: GLA

BORING LOCATION: SEE PLAN  
GROUND SURFACE ELEVATION: N/A DATUM: N/A  
START DATE: 10/6/08 END DATE: 10/3/08

TYPE OF DRILL RIG: Mobile Drill B-59  
CASING SIZE AND TYPE: 4.25" HAS  
OVERBURDEN SAMPLING METHOD: Split Spoon  
ROCK DRILLING METHOD: Tri-cone bit (rotary)

WATER LEVEL DATA

| DATE | TIME | WATER | CASING | REMARKS |
|------|------|-------|--------|---------|
|      |      |       |        |         |
|      |      |       |        |         |
|      |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                          | PID |
|-------|-------------|-----|-------------|-----------------|--------------|-------------------------------------------------------------|-----|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                             |     |
| 1     |             |     |             |                 |              |                                                             |     |
| 2     |             |     |             |                 |              |                                                             |     |
| 3     |             |     |             |                 | 2%           | Grey SILT and cmf SAND, little cmf gravel, trace clay       | 0.0 |
| 4     |             |     |             |                 |              |                                                             |     |
| 5     |             |     |             |                 |              |                                                             |     |
| 6     |             |     |             |                 |              |                                                             |     |
| 7     |             |     |             |                 |              | Similar soil, moist, no odor                                | 0.0 |
| 8     |             |     |             |                 |              |                                                             |     |
| 9     |             |     |             |                 |              |                                                             |     |
| 10    |             |     |             |                 |              |                                                             |     |
| 11    |             |     |             |                 |              |                                                             |     |
| 12    |             |     |             |                 |              | Brown/grey cmf GRAVEL and cmf SAND, some silt, wet, no odor | 0.0 |
| 13    |             |     |             |                 |              |                                                             |     |
| 14    |             |     |             |                 |              |                                                             |     |
| 15    |             |     |             |                 |              | Auger refusal at 14.5'                                      |     |
| 16    |             |     |             |                 |              |                                                             |     |
| 17    |             |     |             |                 |              |                                                             |     |
| 18    |             |     |             |                 |              |                                                             |     |
| 19    |             |     |             |                 |              |                                                             |     |
| 20    |             |     |             |                 |              |                                                             |     |

LEGEND

- S- SPLIT SPOON SOIL SAMPLE
- U- UNDISTURBED SOIL SAMPLE
- C- ROCK CORE SAMPLE

Notes:

GENERAL NOTES:

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

BORING # SB-20



|                 |              |
|-----------------|--------------|
| PROJECT         | BORING PA-01 |
| Orchard Whitney | SHEET 1 OF 2 |
|                 | JOB #: 4216  |
|                 | CHKD. BY:    |

|                                |                                          |
|--------------------------------|------------------------------------------|
| CONTRACTOR: Nothnagle Drilling | BORING LOCATION: SEE PLAN                |
| DRILLER: Kevin                 | GROUND SURFACE ELEVATION: DATUM: N/A     |
| JCL PERSONNEL: ED/GLA          | START DATE: 7/5/11      END DATE: 7/6/11 |

|                                                                                                                                                      |                  |      |       |        |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG: Bk81 (CME85)<br>CASING SIZE AND TYPE: 2"<br>OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band<br>ROCK DRILLING METHOD: NA | WATER LEVEL DATA |      |       |        |         |
|                                                                                                                                                      | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                                                                      |                  |      |       |        |         |
|                                                                                                                                                      |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |        |             |                 |              | SAMPLE DESCRIPTION                                                      | PID (ppm)   |
|-------|-------------|--------|-------------|-----------------|--------------|-------------------------------------------------------------------------|-------------|
|       | BLOW /6"    | NO.    | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                         |             |
| 1     | 35<br>↓     | 1<br>↓ |             | NA              | 50%<br>↓     | Grey-brown silt with cmf sand some cmf gravel, dry                      | 0-4': 0     |
| 2     |             |        |             |                 |              | @ 2'; medium brown cmf sand with silt; some cmf gravel; moist           |             |
| 3     |             |        |             |                 |              |                                                                         |             |
| 4     |             |        | 4.0         |                 |              | @ 4'; pushed through concrete (2")                                      | 4-8': 0     |
| 5     |             | 2<br>↓ |             |                 | 45%<br>↓     |                                                                         |             |
| 6     |             |        |             |                 |              | @ 6'; wet                                                               |             |
| 7     |             |        |             |                 |              | @ 7'; wet                                                               |             |
| 8     |             |        | 8.0         |                 |              | @ 8'; saturated, medium brown silt; little mf sand; little cmf gravel   | 8-12': 0    |
| 9     |             | 3<br>↓ |             |                 | 50%<br>↓     |                                                                         |             |
| 10    |             |        |             |                 |              | @ 10'(+/-) grey silt; moist (till)                                      |             |
| 11    |             |        |             |                 |              |                                                                         |             |
| 12    |             |        | 12          |                 |              | @ 12'; grey silt with f sand; some cmf gravel (rounded); moist-dry      | 12-14.7': 0 |
| 13    |             | 4<br>↓ |             |                 | 10%<br>↓     |                                                                         |             |
| 14    |             |        |             |                 |              |                                                                         |             |
| 15    |             |        | 14.7        |                 |              |                                                                         |             |
| 16    | 375<br>↓    | 5<br>↓ |             |                 | 95%<br>↓     | @ 16'; grey-brown f sand with silt and cmf rounded gravel; dense; moist | 16-20': 0   |
| 17    |             |        |             |                 |              |                                                                         |             |
| 18    |             |        |             |                 |              |                                                                         |             |
| 19    |             |        |             |                 |              |                                                                         |             |
| 20    |             |        |             |                 |              |                                                                         | @ 20': 0.1  |

|                                                                                                  |                                                     |
|--------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| <b>LEGEND</b><br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | Spoon refusal; no elevated PID readings/odors noted |
|--------------------------------------------------------------------------------------------------|-----------------------------------------------------|

GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.  
 bgs = below ground surface  
 ppm = parts per million





|                 |              |
|-----------------|--------------|
| PROJECT         | BORING PA-01 |
| Orchard Whitney | SHEET 2 OF 2 |
|                 | JOB #: 4216  |
|                 | CHKD. BY:    |

|                                |                                      |
|--------------------------------|--------------------------------------|
| CONTRACTOR: Nothnagle Drilling | BORING LOCATION: SEE PLAN            |
| DRILLER: Kevin                 | GROUND SURFACE ELEVATION: DATUM: N/A |
| JCL PERSONNEL: ED/GLA          | START DATE: 7/5/11 END DATE: 7/6/11  |

|                                                                                                                                                      |                  |      |       |        |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG: Bk81 (CME85)<br>CASING SIZE AND TYPE: 2"<br>OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band<br>ROCK DRILLING METHOD: NA | WATER LEVEL DATA |      |       |        |         |
|                                                                                                                                                      | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                                                                      |                  |      |       |        |         |
|                                                                                                                                                      |                  |      |       |        |         |
|                                                                                                                                                      |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |        |             |                 |              | SAMPLE DESCRIPTION                                                                | PID (ppm)          |
|-------|-------------|--------|-------------|-----------------|--------------|-----------------------------------------------------------------------------------|--------------------|
|       | BLOW /6"    | NO.    | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                                   |                    |
| 21    | 370<br>↓    | 6<br>↓ | 20          |                 | 75%<br>↓     | @ 20' similar soils but with cmf sand; saturated @ 20.5'; moist<br>@ 20.5'; moist | 20': 0<br>21': 0.1 |
| 22    |             |        |             |                 |              |                                                                                   | 22': 0.2           |
| 23    |             |        |             |                 |              |                                                                                   | 23': 0             |
| 24    |             |        |             |                 |              |                                                                                   | 24': 0             |
| 25    | 280<br>↓    | 7<br>↓ |             |                 | 80%<br>↓     | @ 25.5'; saturated; mf gravel lense with silt                                     | 24-26.5': 0        |
| 26    |             |        | 26.5        |                 |              |                                                                                   |                    |
| 27    |             |        |             |                 |              | Augered from 24 to 28' (through boulder) no sample from 26.5 to 28'               |                    |
| 28    |             |        |             |                 | 50%<br>↓     | @ 28'; grey mf sand; little to no silt; saturated                                 | 28-32': 0          |
| 29    | 160<br>↓    | 8<br>↓ | 28          |                 |              |                                                                                   |                    |
| 30    |             |        |             |                 |              |                                                                                   |                    |
| 31    |             |        |             |                 |              |                                                                                   |                    |
| 32    |             |        | 32          |                 |              |                                                                                   | 32-35': 0          |
| 33    |             | 9<br>↓ |             |                 | 90%<br>↓     |                                                                                   |                    |
| 34    |             |        |             |                 |              | @ 34'; grey cmf gravel with mf sand; little silt; saturated                       |                    |
| 35    |             |        | 35          |                 |              |                                                                                   |                    |
| 36    |             |        |             |                 | 0<br>↓       |                                                                                   |                    |
| 37    |             |        |             |                 |              | T.D. with macrocove= 36' bgs, Augers to 36'                                       |                    |
| 38    |             |        |             |                 |              |                                                                                   |                    |
| 39    |             |        |             |                 |              |                                                                                   |                    |
| 40    |             |        |             |                 |              |                                                                                   |                    |

|                                                                                                  |                                                                                  |
|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| <b>LEGEND</b><br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | Build microwell: screen 36-26; sand 36-24, bentonite 24-22'<br>Cuttings to grade |
|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|

GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.  
 bgs = below ground surface  
 ppm = parts per million



|                 |                |
|-----------------|----------------|
| PROJECT         | BORING PA-02   |
| Orchard Whitney | SHEET 1 OF 1   |
|                 | JOB #: 4216-03 |
|                 | CHKD. BY:      |

|                                |                                          |
|--------------------------------|------------------------------------------|
| CONTRACTOR: Nothnagle Drilling | BORING LOCATION: SEE PLAN                |
| DRILLER: Kevin                 | GROUND SURFACE ELEVATION: DATUM: N/A     |
| JCL PERSONNEL: ED              | START DATE: 7/6/11      END DATE: 7/6/11 |

|                                                                                                                                                      |                  |      |       |        |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG: Bk81 (CME85)<br>CASING SIZE AND TYPE: 2"<br>OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band<br>ROCK DRILLING METHOD: NA | WATER LEVEL DATA |      |       |        |         |
|                                                                                                                                                      | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                                                                      |                  |      |       |        |         |
|                                                                                                                                                      |                  |      |       |        |         |
|                                                                                                                                                      |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                     | PID (ppm)  |
|-------|-------------|-----|-------------|-----------------|--------------|------------------------------------------------------------------------|------------|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                        |            |
| 1     | 22          | 1   |             |                 | 50%          | medium brown silt wih mf sand and cmf gravel; moist                    | 0-4: 0     |
|       | ↓           |     |             |                 | ↓            |                                                                        |            |
| 2     |             |     |             |                 |              |                                                                        |            |
| 3     |             |     |             |                 |              |                                                                        |            |
| 4     |             |     | 4.0         |                 |              | @ 3'; 3" clay lense                                                    | 4-8: 0     |
| 5     | 28          | 2   |             |                 | 40%          |                                                                        |            |
| 6     | ↓           |     |             |                 | ↓            |                                                                        |            |
| 7     |             |     |             |                 |              |                                                                        |            |
| 8     |             |     | 8.0         |                 |              | @ 7.5' (+/-); medium brown silt and cmf sand; some cmf gravel; wet     | 8-12: 0    |
| 9     | 260         | 3   |             |                 | 75%          | @ 8.5'; medium brown f sand withsilt; some cmf gravel, moist           |            |
| 10    | ↓           |     |             |                 | ↓            | @ 9'; green yellow discoloration (2")                                  |            |
| 11    |             |     |             |                 |              | @ 10'; rose-grey till as above                                         |            |
| 12    |             |     | 12.0        |                 |              |                                                                        | 12-16: 0   |
| 13    | 305         | 4   |             |                 | 85%          | @ 12.5'; grey silt; little f sand; moist-dry; little rounded mf gravel |            |
| 14    | ↓           |     |             |                 | ↓            |                                                                        |            |
| 15    |             |     |             |                 |              |                                                                        |            |
| 16    |             |     | 16.0        |                 |              | @ 16'; wet                                                             | 16-17.7: 0 |
| 17    | 250         | 5   |             |                 |              | @ 16.5'; rose-grey                                                     |            |
| 18    | ↓           |     |             |                 |              |                                                                        |            |
| 19    |             |     | 17.7        |                 |              |                                                                        |            |
| 20    |             |     |             |                 |              |                                                                        |            |

|                                                                                                  |                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>LEGEND</b><br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | Collected soil sample @9' (discoloration)<br>Collected soil sample from 16-17.7'<br>Spoon refusal @ 17.7; Augers to 18.5<br><b>Set well @ 18.5 w/ 10' screen; sandpack 18.5-7.5 bentonite 7.5-5.5</b> |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                                                                                                                                                                                                                                                                    |                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>GENERAL NOTES:</b><br>1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.<br>2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.<br>bgs = below ground surface<br>ppm = parts per million | BORING # PA-02 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|



|                 |                |
|-----------------|----------------|
| PROJECT         | BORING PA-03   |
| Orchard Whitney | SHEET 1 OF 1   |
|                 | JOB #: 4216-03 |
|                 | CHKD. BY:      |

|                                |                                          |
|--------------------------------|------------------------------------------|
| CONTRACTOR: Nothnagle Drilling | BORING LOCATION: SEE PLAN                |
| DRILLER: Kevin                 | GROUND SURFACE ELEVATION: DATUM: N/A     |
| JCL PERSONNEL: ED              | START DATE: 7/6/11      END DATE: 7/7/11 |

|                                                                                                                                                      |                  |      |       |        |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG: Bk81 (CME85)<br>CASING SIZE AND TYPE: 2"<br>OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band<br>ROCK DRILLING METHOD: NA | WATER LEVEL DATA |      |       |        |         |
|                                                                                                                                                      | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                                                                      |                  |      |       |        |         |
|                                                                                                                                                      |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                      | PID (ppm)   |
|-------|-------------|-----|-------------|-----------------|--------------|-------------------------------------------------------------------------|-------------|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                         |             |
| 1     | 120         | 1   |             |                 | 30%          | Grey-brown silt and mf sand and cmf gravel fill; dry                    | 0': 0       |
|       | ↓           | ↓   |             |                 | ↓            |                                                                         | 1': 0.2     |
| 2     |             |     |             |                 |              |                                                                         | 2': 0.6     |
| 3     |             |     |             |                 |              |                                                                         | 3': 0.1     |
| 4     |             |     | 4           |                 |              | @ 4'; medium brown cmf sand with silt; cmf gravel; moist                | 4': 0       |
|       | 42          | 2   |             |                 | 44%          | @ 5' (+/-); 3" clay lense; moist<br>@ 5.75' (+/-); 2" clay lense; moist | 4-8': 0     |
|       | ↓           | ↓   |             |                 | ↓            |                                                                         |             |
| 6     |             |     |             |                 |              |                                                                         |             |
| 7     |             |     |             |                 |              | @ 7.5'; saturated                                                       |             |
| 8     |             |     | 8.0         |                 |              | @ 8'; grey brown silt with f sand; little mf gravel; moist              | 8-12': 0    |
|       |             | 3   |             |                 | 88%          | @ 9.5'; grey f sand with silt; some cmf gravel; dry-moist (Till)        |             |
|       |             | ↓   |             |                 | ↓            |                                                                         |             |
|       | 380         |     |             |                 |              |                                                                         |             |
|       | ↓           |     |             |                 |              |                                                                         |             |
| 12    |             |     | 12.0        |                 |              | @ 12.5'; wet<br>@ 12.75'; moist                                         | 12-16': 0   |
|       |             | 4   |             |                 | 75%          |                                                                         |             |
|       |             | ↓   |             |                 | ↓            |                                                                         |             |
|       | 375         |     |             |                 |              | @ 15.0'; weathered rock, wet                                            |             |
|       | ↓           |     |             |                 |              | @ 15.25'; grey silt with f sand; some mf rounded gravel; moist          |             |
| 16    |             |     | 16.0        |                 |              |                                                                         | 16-17.6': 0 |
|       | 320         | 5   |             |                 | 100%         |                                                                         |             |
|       | ↓           | ↓   |             |                 | ↓            |                                                                         |             |
| 18    |             |     | 17.6        |                 |              |                                                                         |             |
| 19    |             |     |             |                 |              |                                                                         |             |
| 20    |             |     |             |                 |              |                                                                         |             |

|                                                                                                  |                                                                                                          |
|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| <b>LEGEND</b><br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | Spoon refusal= 17.6'; Augers refusal @ 18.3'<br>Sandpack 18.3-7.3'; Bentonite 7.3-5.3' cuttings to grade |
|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|

GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.  
 bgs = below ground surface  
 ppm = parts per million



|                 |                |
|-----------------|----------------|
| PROJECT         | BORING PA-04   |
| Orchard Whitney | SHEET 1 OF 1   |
|                 | JOB #: 4216-03 |
|                 | CHKD. BY:      |

|                                |                                      |
|--------------------------------|--------------------------------------|
| CONTRACTOR: Nothnagle Drilling | BORING LOCATION: SEE PLAN            |
| DRILLER: Kevin                 | GROUND SURFACE ELEVATION: DATUM: N/A |
| JCL PERSONNEL: ED              | START DATE: 7/7/11 END DATE: 7/7/11  |

|                                                                                                                                                      |                  |      |       |        |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG: Bk81 (CME85)<br>CASING SIZE AND TYPE: 2"<br>OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band<br>ROCK DRILLING METHOD: NA | WATER LEVEL DATA |      |       |        |         |
|                                                                                                                                                      | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                                                                      |                  |      |       |        |         |
|                                                                                                                                                      |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                                                                     | PID (ppm) |
|-------|-------------|-----|-------------|-----------------|--------------|------------------------------------------------------------------------------------------------------------------------|-----------|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                                                                        |           |
| 1     | 24<br>↓     | 1   |             |                 | 25%<br>↓     | Brown silt with cmf sand; some cmf gravel; moist                                                                       | 0-4': 0   |
| 2     |             |     |             |                 |              |                                                                                                                        |           |
| 3     |             |     |             |                 |              | @ 3.8'; brown cmf sand with silt; little mf gravel; moist                                                              |           |
| 4     |             |     | 4           |                 |              |                                                                                                                        | 4-8': 0   |
| 5     | 45<br>↓     | 2   |             |                 | 40%<br>↓     | @ 4.5'; olive-brown silt; little mf sand; trace clay; little cmf gravel; moist-wet<br><br>(Perched water over till)    |           |
| 6     |             |     |             |                 |              |                                                                                                                        |           |
| 7     |             |     |             |                 |              |                                                                                                                        |           |
| 8     |             |     | 8           |                 |              | @ 7.5'; brown mf sand with silt, and cmf gravel; wet                                                                   | 8-12': 0  |
| 9     | 308<br>↓    | 3   |             |                 | 72%<br>↓     | @ 8.2'; light brown f sand with silt; some cmf rounded gravel (grades to rose/light brown to grey @ 9.5' (+/-)); moist |           |
| 10    |             |     |             |                 |              |                                                                                                                        |           |
| 11    |             |     |             |                 |              |                                                                                                                        |           |
| 12    |             |     | 12          |                 |              |                                                                                                                        | 12-16': 0 |
| 13    | 375<br>↓    | 4   |             |                 | 80%<br>↓     | @ 12.2'; grey f sand with silt; little cmf gravel; moist                                                               |           |
| 14    |             |     |             |                 |              |                                                                                                                        |           |
| 15    |             |     |             |                 |              |                                                                                                                        |           |
| 16    |             |     | 16          |                 |              | @ 15.75'; grey silt with f sand; trace mf rounded gravel, moist                                                        |           |
| 17    | 27.5<br>↓   | 5   |             |                 | 100%<br>↓    |                                                                                                                        |           |
| 18    |             |     | 17.9        |                 |              |                                                                                                                        |           |
| 19    |             |     |             |                 |              |                                                                                                                        |           |
| 20    |             |     |             |                 |              |                                                                                                                        |           |

|                                                                                                  |                                                                                                                     |
|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>LEGEND</b><br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | Spoon refusal= 17.9'; Auger to 18'; set miniwell screen 18.8' sandpack 18.6' bentonite 6'-4' with cuttings to grade |
|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|

|                                                                                                                                                                                                                                                                                                                    |                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>GENERAL NOTES:</b><br>1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.<br>2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.<br>bgs = below ground surface<br>ppm = parts per million | BORING # PA-04 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|



|                 |                |
|-----------------|----------------|
| PROJECT         | BORING PA-05   |
| Orchard Whitney | SHEET 1 OF 1   |
|                 | JOB #: 4216-03 |
|                 | CHKD. BY:      |

|                                |                                      |
|--------------------------------|--------------------------------------|
| CONTRACTOR: Nothnagle Drilling | BORING LOCATION: SEE PLAN            |
| DRILLER: Kevin                 | GROUND SURFACE ELEVATION: DATUM: N/A |
| JCL PERSONNEL: ED              | START DATE: 7/7/11 END DATE: 7/7/11  |

|                                                                                                                                                      |                  |      |       |        |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG: Bk81 (CME85)<br>CASING SIZE AND TYPE: 2"<br>OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band<br>ROCK DRILLING METHOD: NA | WATER LEVEL DATA |      |       |        |         |
|                                                                                                                                                      | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                                                                      |                  |      |       |        |         |
|                                                                                                                                                      |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                       | PID (ppm)   |
|-------|-------------|-----|-------------|-----------------|--------------|--------------------------------------------------------------------------|-------------|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                          |             |
| 1     | 44          | 1   |             |                 | 55%          | @ 0'; medium brown mf sand; trace silt; trace cmf gravel, gravel         | 0-4': 0     |
| 2     | ↓           |     |             |                 | ↓            | @ 1.5'; brown silt and cmf sand with cmf gravel; moist                   |             |
| 3     |             |     |             |                 |              |                                                                          |             |
| 4     |             |     | 4.0         |                 |              | @ 3.9'; olive-brown silt with clay; some cmf gravel, moist               | 4-8': 0     |
| 5     | 57          | 2   |             |                 | 23%          | @4.5'; trace clay; wet                                                   |             |
| 6     | ↓           |     |             |                 | ↓            |                                                                          |             |
| 7     |             |     |             |                 |              |                                                                          |             |
| 8     |             |     | 8.0         |                 |              | @ 8.5'; grey-brown silt with f sand; little cmf gravel; wet; Fe mottling | 8-12': 0    |
| 9     | 390         | 3   |             |                 | 90%          |                                                                          |             |
| 10    | ↓           |     |             |                 | ↓            | @ 9.4'; grey f sand, some silt and cmf gravel; moist                     |             |
| 11    |             |     |             |                 |              |                                                                          |             |
| 12    |             |     | 12.0        |                 |              |                                                                          | 12-16': 0   |
| 13    | 400         | 4   |             |                 | 90%          |                                                                          |             |
| 14    | ↓           |     |             |                 | ↓            |                                                                          |             |
| 15    |             |     |             |                 |              | @15.5'; grey silt; little f sand; trace cmf gravel; moist                |             |
| 16    |             |     |             |                 |              |                                                                          | 16-16.9': 0 |
| 17    | 122         | 5   |             |                 |              | @ 16.2'; push through rock (dolostone)                                   |             |
| 18    | ↓           | ↓   | 16.9        |                 |              | @ 16.0'; grey f sand; some silt and cmf gravel; moist                    |             |
| 19    |             |     |             |                 |              |                                                                          |             |
| 20    |             |     |             |                 |              |                                                                          |             |

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|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>LEGEND</b><br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | Spoon refusal @ 16.9'; Auger refusal @ 17.3';<br>Not enough water on rock to install well, plug boring from 16.9- 11' with bentonite to not let perched shallow water downhole |
|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.

bgs = below ground surface  
ppm = parts per million



|                 |                |
|-----------------|----------------|
| PROJECT         | BORING PA-06   |
| Orchard Whitney | SHEET 1 OF 1   |
|                 | JOB #: 4216-03 |
|                 | CHKD. BY:      |

|                                |                                      |
|--------------------------------|--------------------------------------|
| CONTRACTOR: Nothnagle Drilling | BORING LOCATION: SEE PLAN            |
| DRILLER: Kevin                 | GROUND SURFACE ELEVATION: DATUM: N/A |
| JCL PERSONNEL: ED              | START DATE: 7/7/11 END DATE: 7/7/11  |

|                                                                                                                                                      |                  |      |       |        |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG: Bk81 (CME85)<br>CASING SIZE AND TYPE: 2"<br>OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band<br>ROCK DRILLING METHOD: NA | WATER LEVEL DATA |      |       |        |         |
|                                                                                                                                                      | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                                                                      |                  |      |       |        |         |
|                                                                                                                                                      |                  |      |       |        |         |
|                                                                                                                                                      |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                                                                           | PID (ppm)   |
|-------|-------------|-----|-------------|-----------------|--------------|------------------------------------------------------------------------------------------------------------------------------|-------------|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                                                                              |             |
| 1     | 18          | 1   |             |                 | 55%          | 0-0.5' concrete/asphalt                                                                                                      | 0-4': 0     |
|       | ↓           |     |             |                 | ↓            | @ 0.5'; light brown mf sand and cmf gravel; little silt; moist fill; brick to 1'                                             |             |
| 2     |             |     |             |                 |              | @ 2'; grey brown stil with f sand; some cmf gravel; moist                                                                    |             |
| 3     |             |     |             |                 |              |                                                                                                                              |             |
| 4     |             |     | 4.0         |                 |              | @4'; trace clay                                                                                                              |             |
| 5     | 28          | 2   |             |                 | 30%          |                                                                                                                              | 5': 0.6     |
|       | ↓           |     |             |                 | ↓            |                                                                                                                              |             |
| 6     |             |     |             |                 |              |                                                                                                                              | 6-8': 0     |
| 7     |             |     |             |                 |              | @7'; medium brown                                                                                                            |             |
| 8     |             |     | 8.0         |                 |              | @8'; saturated mf sand with silt; not enough recovery for analytical sample                                                  |             |
| 9     | 34          |     |             |                 | 5%           |                                                                                                                              |             |
|       | ↓           |     |             |                 | ↓            |                                                                                                                              |             |
| 10    |             |     |             |                 |              |                                                                                                                              |             |
| 11    |             |     |             |                 |              |                                                                                                                              |             |
| 12    |             |     |             |                 |              |                                                                                                                              |             |
| 13    | 32          |     |             |                 | 0%           |                                                                                                                              | 12-13.7': 0 |
|       | ↓           |     |             |                 | ↓            | @13.7'; wood on top of concrete in shoe                                                                                      |             |
| 14    |             |     |             |                 |              | (likely wood from chimney footer form and concrete footer sits on top of rock; no til observed, likely excavated to bedrock) |             |
| 15    |             |     |             |                 |              |                                                                                                                              |             |
| 16    |             |     |             |                 |              |                                                                                                                              |             |
| 17    |             |     |             |                 |              |                                                                                                                              |             |
| 18    |             |     |             |                 |              |                                                                                                                              |             |
| 19    |             |     |             |                 |              |                                                                                                                              |             |
| 20    |             |     |             |                 |              |                                                                                                                              |             |

|                                                                                                  |
|--------------------------------------------------------------------------------------------------|
| <b>LEGEND</b><br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE |
|--------------------------------------------------------------------------------------------------|

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>GENERAL NOTES:</b><br>1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.<br>2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.<br>bgs = below ground surface<br>ppm = parts per million | BORING # PA-06 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|



|                 |                |
|-----------------|----------------|
| PROJECT         | BORING PA-07   |
| Orchard Whitney | SHEET 1 OF 1   |
|                 | JOB #: 4216-03 |
|                 | CHKD. BY:      |

|                                |                                          |
|--------------------------------|------------------------------------------|
| CONTRACTOR: Nothnagle Drilling | BORING LOCATION: SEE PLAN                |
| DRILLER: Kevin                 | GROUND SURFACE ELEVATION: DATUM: N/A     |
| JCL PERSONNEL: ED              | START DATE: 7/8/11      END DATE: 7/8/11 |

|                                                                                                                                                      |                  |      |       |        |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG: Bk81 (CME85)<br>CASING SIZE AND TYPE: 2"<br>OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band<br>ROCK DRILLING METHOD: NA | WATER LEVEL DATA |      |       |        |         |
|                                                                                                                                                      | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                                                                      |                  |      |       |        |         |
|                                                                                                                                                      |                  |      |       |        |         |
|                                                                                                                                                      |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                             | PID (ppm)   |
|-------|-------------|-----|-------------|-----------------|--------------|--------------------------------------------------------------------------------|-------------|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                                |             |
| 1     | 22          | 1   |             |                 | 25%          | 0- 0.5'; concrete asphalt                                                      | 1': 1.5     |
|       | ↓           |     |             |                 | ↓            | 0.5'; orange-brown f sand; trace mf gravel; with brick fragments; moist (fill) |             |
| 2     |             |     |             |                 |              |                                                                                | 2-4': 0     |
| 3     |             |     |             |                 |              |                                                                                |             |
| 4     |             |     | 4.0         |                 |              |                                                                                |             |
| 5     | 27          | 2   |             |                 | 35%          |                                                                                | 5': 0.5     |
|       | ↓           |     |             |                 | ↓            |                                                                                | 5.5-8': 0   |
| 6     |             |     |             |                 |              |                                                                                |             |
| 7     |             |     |             |                 |              | @7'; saturated                                                                 |             |
|       |             |     |             |                 |              | @7.8'; olive-brown silt; some clay; wet                                        |             |
| 8     |             |     | 8.0         |                 |              |                                                                                | 8-12': 0    |
| 9     | 100         | 3   |             |                 | 45%          | @8.3'; grey-brown f sand with silt; some cmf gravel (rounded); moist           |             |
|       | ↓           |     |             |                 | ↓            |                                                                                |             |
| 10    |             |     |             |                 |              |                                                                                |             |
| 11    |             |     |             |                 |              | @11.0'; grey silt with f sand; trace mf gravel moist                           |             |
| 12    |             |     | 12.0        |                 |              |                                                                                | 12-16': 0   |
| 13    | 280         | 4   |             |                 | 75%          | @13.1'; grey f sand with silt; little cmf gravel; moist                        |             |
|       | ↓           |     |             |                 | ↓            |                                                                                |             |
| 14    |             |     |             |                 |              |                                                                                |             |
| 15    |             |     |             |                 |              | @15'; wet                                                                      |             |
| 16    |             |     | 16.0        |                 |              | @16'; push through weathered bedrock                                           | 16-16.6': 0 |
| 17    | 240         | 5   | 16.6        |                 | 100%         |                                                                                |             |
|       | ↓           |     |             |                 | ↓            |                                                                                |             |
| 18    |             |     |             |                 |              |                                                                                |             |
| 19    |             |     |             |                 |              |                                                                                |             |
| 20    |             |     |             |                 |              |                                                                                |             |

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| <b>LEGEND</b><br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | Spoon refusal @ 16.6'; Auger refusal @ 16.7'<br>Set miniwell @ 16.7' (10' screen) sandpack 16.7-5'; bentonite 5'-3' |
|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|

GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.

bgs = below ground surface  
ppm = parts per million



|                 |                |
|-----------------|----------------|
| PROJECT         | BORING PA-08   |
| Orchard Whitney | SHEET 1 OF 1   |
|                 | JOB #: 4216-03 |
|                 | CHKD. BY:      |

|                                |                                      |
|--------------------------------|--------------------------------------|
| CONTRACTOR: Nothnagle Drilling | BORING LOCATION: SEE PLAN            |
| DRILLER: Kevin                 | GROUND SURFACE ELEVATION: DATUM: N/A |
| JCL PERSONNEL: ED              | START DATE: 7/8/11 END DATE: 7/8/11  |

|                                                                                                                                                      |                  |      |       |        |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG: Bk81 (CME85)<br>CASING SIZE AND TYPE: 2"<br>OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band<br>ROCK DRILLING METHOD: NA | WATER LEVEL DATA |      |       |        |         |
|                                                                                                                                                      | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                                                                      |                  |      |       |        |         |
|                                                                                                                                                      |                  |      |       |        |         |
|                                                                                                                                                      |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                                       | PID (ppm)   |
|-------|-------------|-----|-------------|-----------------|--------------|------------------------------------------------------------------------------------------|-------------|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                                          |             |
| 1     | 22          | 1   |             |                 | 35%          | 0-1'; stone and brown silt; cmf gravel; moist                                            | 0-4': 0     |
|       | ↓           |     |             |                 | ↓            | @ 1'; olive-light brown silt with clay; little mf gravel; moist                          |             |
| 2     |             |     |             |                 |              | @ 2'; red-brown silt with mf sand; some cmf gravel; wet                                  |             |
| 3     |             |     |             |                 |              | @ 3'; silt with clay as above (@ 1')                                                     |             |
| 4     |             |     | 4.0         |                 |              | @ 4'; no clay; cm gravel; wet                                                            | 4-8': 0     |
|       | 30          | 2   |             |                 | 5%           |                                                                                          |             |
| 5     | ↓           |     |             |                 | ↓            |                                                                                          |             |
| 6     |             |     |             |                 |              |                                                                                          |             |
| 7     |             |     |             |                 |              |                                                                                          | 8-12': 0    |
| 8     |             |     | 8.0         |                 |              |                                                                                          |             |
|       | 380         |     |             |                 | 90%          | @ 8.5' (+/-); olive- light brown f sand with silt; little cmf gravel, Fe mottling, moist |             |
| 9     | ↓           |     |             |                 | ↓            | @ 9.5'; rose-grey                                                                        |             |
| 10    |             |     |             |                 |              |                                                                                          | 12-16': 0   |
| 11    |             |     |             |                 |              |                                                                                          |             |
| 12    |             |     | 12          |                 |              |                                                                                          |             |
|       | 260         |     |             |                 | 95%          |                                                                                          |             |
| 13    | ↓           |     |             |                 | ↓            |                                                                                          | 16-18.8': 0 |
| 14    |             |     |             |                 |              | @ 14.5'; grey silt; some f sand; trace mf gravel; moist                                  |             |
| 15    |             |     |             |                 |              |                                                                                          |             |
| 16    |             |     | 16.0        |                 |              | @ 16'; saturated                                                                         |             |
|       | 400         |     |             |                 | 100%         |                                                                                          | 16-18.8': 0 |
| 17    | ↓           |     |             |                 | ↓            |                                                                                          |             |
| 18    |             |     |             |                 |              | @ 18'; weathered bedrock                                                                 |             |
| 19    |             |     | 18.8        |                 |              |                                                                                          |             |
|       | 83          |     |             |                 |              |                                                                                          | 16-18.8': 0 |
| 20    | ↓           |     | 20.4        |                 |              |                                                                                          |             |

|                                                                                                  |                                                                                                                                                                                                                                                             |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>LEGEND</b><br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | Spoon refusal @ 18.8; Auger to 20'; drive final spoon to refusal @ 20.4'; set nested pair of miniwells; Deep well set @ 20.4' (5' screen) from 20-15'; sandpack 20-14'; 3' bentonite (14-11)'; Shallow well screen 10.5-5.5' and sand 11-4'; bentonite 4-2' |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.

bgs = below ground surface  
ppm = parts per million





|                 |                |
|-----------------|----------------|
| PROJECT         | BORING PA-09   |
| Orchard Whitney | SHEET 1 OF 1   |
|                 | JOB #: 4216-03 |
|                 | CHKD. BY:      |

|                                |                                       |
|--------------------------------|---------------------------------------|
| CONTRACTOR: Nothnagle Drilling | BORING LOCATION: SEE PLAN             |
| DRILLER: Kevin                 | GROUND SURFACE ELEVATION: DATUM: N/A  |
| JCL PERSONNEL: ED              | START DATE: 7/11/11 END DATE: 7/11/11 |

|                                                                                                                                                      |                  |      |       |        |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG: Bk81 (CME85)<br>CASING SIZE AND TYPE: 2"<br>OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band<br>ROCK DRILLING METHOD: NA | WATER LEVEL DATA |      |       |        |         |
|                                                                                                                                                      | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                                                                      |                  |      |       |        |         |
|                                                                                                                                                      |                  |      |       |        |         |
|                                                                                                                                                      |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                                       | PID (ppm)   |
|-------|-------------|-----|-------------|-----------------|--------------|------------------------------------------------------------------------------------------|-------------|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                                          |             |
| 1     | 25<br>↓     | 1   |             |                 | 25%<br>↓     | @ 0.0'; brown silt; some cmf sand and cmf gravel; dry<br>@ 0.5'; black cinders/slag fill | 0-4': 0     |
| 2     |             |     |             |                 |              |                                                                                          |             |
| 3     |             |     |             |                 |              | @ 3'; brown silt with mf sand; some cm gravel; moist                                     |             |
| 4     |             |     | 4.0         |                 |              | @ 4.0'; olive-grey silt/clay lense; moist                                                | 4-8': 0     |
| 5     | 21<br>↓     | 2   |             |                 | 50%<br>↓     | @ 4.2'; brown silt; mf sand and some cmf gravel; moist                                   |             |
| 6     |             |     |             |                 |              | @ 6.0' (+/-); wet                                                                        |             |
| 7     |             |     |             |                 |              | @ 7.0'; medium brown f sand; some silt; little mf gravel; saturated                      |             |
| 8     |             |     | 8.0         |                 |              | @ 8.3'; rose-grey f sand with silt; some cmf rounded gravel; moist                       | 8-12': 0    |
| 9     | 285<br>↓    | 3   |             |                 | 90%<br>↓     |                                                                                          |             |
| 10    |             |     |             |                 |              |                                                                                          |             |
| 11    |             |     |             |                 |              |                                                                                          |             |
| 12    |             |     | 12.0        |                 |              |                                                                                          | 12-16': 0   |
| 13    | 415<br>↓    |     |             |                 | 100%<br>↓    | @ 13.0'; grey silt; little f sand; trace mf gravel                                       |             |
| 14    |             |     |             |                 |              |                                                                                          |             |
| 15    |             |     |             |                 |              |                                                                                          |             |
| 16    |             |     | 16.0        |                 |              | @ 16.0'; grey f sand; trace silt; saturated                                              | 16-16.9': 0 |
| 17    | 210<br>↓    |     |             |                 | 100%<br>↓    |                                                                                          |             |
| 18    |             |     |             |                 |              |                                                                                          |             |
| 19    |             |     |             |                 |              |                                                                                          |             |
| 20    |             |     |             |                 |              |                                                                                          |             |

|                                                                                                  |                                                                                                                        |
|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>LEGEND</b><br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | Spoon refusal @ 16.9'; auger refusal @ 17.0'; set miniwell @ 17' with 10' screen; sand pack to 5'; 2.5' bentonite seal |
|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|

GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.

bgs = below ground surface  
ppm = parts per million



|                 |                |
|-----------------|----------------|
| PROJECT         | BORING PA-10   |
| Orchard Whitney | SHEET 1 OF 1   |
|                 | JOB #: 4216-03 |
|                 | CHKD. BY:      |

|                                |                                       |
|--------------------------------|---------------------------------------|
| CONTRACTOR: Nothnagle Drilling | BORING LOCATION: SEE PLAN             |
| DRILLER: Kevin                 | GROUND SURFACE ELEVATION: DATUM: N/A  |
| JCL PERSONNEL: ED              | START DATE: 7/11/11 END DATE: 7/11/11 |

|                                                                                                                                                      |                  |      |       |        |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG: Bk81 (CME85)<br>CASING SIZE AND TYPE: 2"<br>OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band<br>ROCK DRILLING METHOD: NA | WATER LEVEL DATA |      |       |        |         |
|                                                                                                                                                      | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                                                                      |                  |      |       |        |         |
|                                                                                                                                                      |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                                                                                                             | PID (ppm) |
|-------|-------------|-----|-------------|-----------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                                                                                                                |           |
| 1     | 21<br>↓     | 1   |             |                 | 50%<br>↓     | @ 0.0'; brown silt, mf sand and cmf gravel; dry fill<br>@ 0.5'; black cinder/slag/ash layer (6")<br>@ 1' (+/-) brown f sand; some silt; some cmf gravel; moist | 0-4:0     |
| 2     |             |     |             |                 |              |                                                                                                                                                                |           |
| 3     |             |     |             |                 |              |                                                                                                                                                                |           |
| 4     |             |     | 4.0         |                 | 50%          | @ 4.2'; olive-grey silt/clay layer; moist                                                                                                                      | 4-8:0     |
| 5     | 44<br>↓     |     |             |                 | ↓            |                                                                                                                                                                |           |
| 6     |             |     |             |                 |              | @ 5'; orange-brown f sand; little sand; saturated                                                                                                              |           |
| 7     |             |     |             |                 |              | @ 7'; medium brown silt with f sand and cmf gravel; saturated                                                                                                  |           |
| 8     |             |     | 8.0         |                 |              |                                                                                                                                                                | 8-12:0    |
| 9     | 220<br>↓    |     |             |                 | 77%<br>↓     | @ 8.75'; light brown f sand; little silt; some cmf gravel; wet                                                                                                 |           |
| 10    |             |     |             |                 |              | @ 10.5'; grey, moist                                                                                                                                           |           |
| 11    |             |     |             |                 |              |                                                                                                                                                                |           |
| 12    |             |     | 12.0        |                 |              |                                                                                                                                                                | 12-16:0   |
| 13    | 410<br>↓    |     |             |                 | 100%<br>↓    | @ 13.1'; grey silt; little trace f sand; moist                                                                                                                 |           |
| 14    |             |     |             |                 |              |                                                                                                                                                                |           |
| 15    |             |     |             |                 |              |                                                                                                                                                                |           |
| 16    |             |     |             |                 |              | @ 16'; grey f sand; little silt; saturated                                                                                                                     | 16-16.9:0 |
| 17    | 130<br>↓    |     | 16.9        |                 |              |                                                                                                                                                                |           |
| 18    |             |     |             |                 |              |                                                                                                                                                                |           |
| 19    |             |     |             |                 |              |                                                                                                                                                                |           |
| 20    |             |     |             |                 |              |                                                                                                                                                                |           |

|                                                                                                  |                                                                                                |
|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| <b>LEGEND</b><br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | Spoon refusal= 16.9'; set nested pr. of miniwells; Deep: 17 to 12 screen;<br>Auger refusal= 17 |
|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|

GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.

bgs = below ground surface  
ppm = parts per million



|                 |                |
|-----------------|----------------|
| PROJECT         | BORING PA-11   |
| Orchard Whitney | SHEET 1 OF 1   |
|                 | JOB #: 4216-03 |
|                 | CHKD. BY:      |

|                                |                                      |
|--------------------------------|--------------------------------------|
| CONTRACTOR: Nothnagle Drilling | BORING LOCATION: SEE PLAN            |
| DRILLER: Kevin                 | GROUND SURFACE ELEVATION: DATUM: N/A |
| JCL PERSONNEL: ED              | START DATE: END DATE:                |

|                                                                                                                                                      |                  |      |       |        |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG: Bk81 (CME85)<br>CASING SIZE AND TYPE: 2"<br>OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band<br>ROCK DRILLING METHOD: NA | WATER LEVEL DATA |      |       |        |         |
|                                                                                                                                                      | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                                                                      |                  |      |       |        |         |
|                                                                                                                                                      |                  |      |       |        |         |
|                                                                                                                                                      |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                               | PID (ppm)  |
|-------|-------------|-----|-------------|-----------------|--------------|----------------------------------------------------------------------------------|------------|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                                  |            |
| 1     | 70<br>↓     | 1   |             |                 | 30%<br>↓     | @ 0'; orange-brown f sand; little silt; moist                                    | 0-4': 0    |
| 2     |             |     |             |                 |              | @ 2'; encounter rock fragments and concrete                                      |            |
| 3     |             |     |             |                 |              |                                                                                  |            |
| 4     |             |     | 4.0         |                 |              | @ 4.1'; olive-grey clay with silt; moist; medium plasticity                      | 4-8': 0    |
| 5     |             | 2   |             |                 | 55%<br>↓     | @ 5'; with mf sand, mf gravel                                                    |            |
| 6     |             |     |             |                 |              | @ 5.2; same as 4.1'                                                              |            |
| 7     |             |     |             |                 |              |                                                                                  |            |
| 8     |             |     | 8.0         |                 |              | @ 7.9'; saturated                                                                |            |
| 9     | 215<br>↓    | 3   |             |                 | 40%<br>↓     | @ 8.2; olive-light brown silt and clay; some cmf gravel; some mf sand; saturated | 8-12': 0   |
| 10    |             |     |             |                 |              |                                                                                  |            |
| 11    |             |     |             |                 |              |                                                                                  |            |
| 12    |             | 4   | 12.0        |                 |              | @ 12.2'; grey silt with f sand; trace of gravel; saturated                       | 12.2': 1.8 |
| 13    | 410<br>↓    |     |             |                 | 80%<br>↓     |                                                                                  | 12.5': 37  |
| 14    |             |     |             |                 |              | @ 14'; grey f sand with silt; saturated                                          | 13': 10    |
| 15    |             |     |             |                 |              | @ 15.6'; weather rock; cmf gravel (saturated)                                    | 14': 18    |
| 16    |             |     | 16.0        |                 |              |                                                                                  | 15': 5.7   |
| 17    |             |     |             |                 |              |                                                                                  | 16': 1     |
| 18    |             |     |             |                 |              |                                                                                  |            |
| 19    |             |     |             |                 |              |                                                                                  |            |
| 20    |             |     |             |                 |              |                                                                                  |            |

|                                                                                                  |                                                                                                                                               |
|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>LEGEND</b><br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | 12-16'; petrol-type odor (light, degraded)<br>Miniwell screen= 16'-6'; sandpack= 16'-4'; bentonite= 4' to 2' bgs<br>Auger/spoon refusal @ 16' |
|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|

GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.  
 bgs = below ground surface  
 ppm = parts per million



|                 |                |
|-----------------|----------------|
| PROJECT         | BORING PA-12   |
| Orchard Whitney | SHEET 1 OF 2   |
|                 | JOB #: 4216-03 |
|                 | CHKD. BY:      |

|                                |                                       |
|--------------------------------|---------------------------------------|
| CONTRACTOR: Nothnagle Drilling | BORING LOCATION: SEE PLAN             |
| DRILLER: Kevin                 | GROUND SURFACE ELEVATION: DATUM: N/A  |
| JCL PERSONNEL: ED              | START DATE: 7/12/11 END DATE: 7/12/11 |

|                                                                                                                                                      |                  |      |       |        |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG: Bk81 (CME85)<br>CASING SIZE AND TYPE: 2"<br>OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band<br>ROCK DRILLING METHOD: NA | WATER LEVEL DATA |      |       |        |         |
|                                                                                                                                                      | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                                                                      |                  |      |       |        |         |
|                                                                                                                                                      |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                         | PID (ppm)   |
|-------|-------------|-----|-------------|-----------------|--------------|----------------------------------------------------------------------------|-------------|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                            |             |
| 1     | 21          | 1   |             |                 | 50%          | Brown silt with cmf sand and cmf gravel; moist                             | 0-4': 0     |
|       | ↓           |     |             |                 | ↓            |                                                                            |             |
| 2     |             |     |             |                 |              |                                                                            |             |
| 3     |             |     |             |                 |              | @ 3'; 3" clay lense; olive-grey, moist                                     |             |
| 4     |             |     | 4.0         |                 |              |                                                                            | 4-8': 0     |
| 5     | 25          | 2   |             |                 | 50%          |                                                                            |             |
|       | ↓           |     |             |                 | ↓            | @ 5'; wet                                                                  |             |
| 6     |             |     |             |                 |              |                                                                            |             |
| 7     |             |     |             |                 |              | @ 7'; saturated                                                            |             |
| 8     |             |     | 8.0         |                 |              | @ 9; rose-grey f sand with silt; some cmf gravel; wet, moist               | 8-12': 0    |
| 9     | 180         |     |             |                 | 68%          |                                                                            |             |
|       | ↓           | 3   |             |                 | ↓            | @ 10; grey silt; some f sand; true f gravel; moist                         |             |
| 10    |             |     |             |                 |              |                                                                            |             |
| 11    |             |     |             |                 |              |                                                                            |             |
| 12    |             |     | 12.0        |                 |              | @ 12.2; grey-light brown f sand; some silt; little mf gravel; moist; dense | 12-14.6': 0 |
| 13    | 430         |     |             |                 | 100%         |                                                                            |             |
|       | ↓           |     |             |                 | ↓            |                                                                            |             |
| 14    |             |     | 14.6        |                 |              | @ 15'; grey                                                                | 15-19': 0   |
| 15    |             |     |             |                 |              |                                                                            |             |
| 16    | 440         |     |             |                 | 95%          |                                                                            |             |
|       | ↓           |     |             |                 | ↓            |                                                                            |             |
| 17    |             |     |             |                 |              |                                                                            |             |
| 18    |             |     |             |                 |              |                                                                            |             |
| 19    |             |     |             |                 |              |                                                                            |             |
| 20    | 360         |     |             |                 | 80%          |                                                                            |             |
|       | ↓           |     |             |                 | ↓            |                                                                            |             |

|                                                                                           |                                                       |
|-------------------------------------------------------------------------------------------|-------------------------------------------------------|
| LEGEND<br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | Spoon refusal @ 14.6'; auger to 15' continue sampling |
|-------------------------------------------------------------------------------------------|-------------------------------------------------------|

GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.

bgs = below ground surface  
ppm = parts per million



|                 |                |
|-----------------|----------------|
| PROJECT         | BORING PA-12   |
| Orchard Whitney | SHEET 2 OF 2   |
|                 | JOB #: 4216-03 |
|                 | CHKD. BY:      |

|                                |                                            |
|--------------------------------|--------------------------------------------|
| CONTRACTOR: Nothnagle Drilling | BORING LOCATION: SEE PLAN                  |
| DRILLER: Kevin                 | GROUND SURFACE ELEVATION: DATUM: N/A       |
| JCL PERSONNEL: ED              | START DATE: 7/12/11      END DATE: 7/12/11 |

|                                                                                                                                                      |                  |      |       |        |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG: Bk81 (CME85)<br>CASING SIZE AND TYPE: 2"<br>OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band<br>ROCK DRILLING METHOD: NA | WATER LEVEL DATA |      |       |        |         |
|                                                                                                                                                      | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                                                                      |                  |      |       |        |         |
|                                                                                                                                                      |                  |      |       |        |         |
|                                                                                                                                                      |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION | PID (ppm) |
|-------|-------------|-----|-------------|-----------------|--------------|--------------------|-----------|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                    |           |
| 21    | 360<br>↓    |     |             |                 | 80%<br>↓     | @ 21'; saturated   | 19-23: 0  |
| 22    |             |     |             |                 |              |                    |           |
| 23    |             |     |             |                 |              |                    |           |
| 24    | 165<br>↓    | 24  |             |                 |              |                    |           |
| 25    |             |     |             |                 |              |                    |           |
| 26    |             |     |             |                 |              |                    |           |
| 27    |             |     |             |                 |              |                    |           |
| 28    |             |     |             |                 |              |                    |           |
| 29    |             |     |             |                 |              |                    |           |
| 30    |             |     |             |                 |              |                    |           |
| 31    |             |     |             |                 |              |                    |           |
| 32    |             |     |             |                 |              |                    |           |
| 33    |             |     |             |                 |              |                    |           |
| 34    |             |     |             |                 |              |                    |           |
| 35    |             |     |             |                 |              |                    |           |
| 36    |             |     |             |                 |              |                    |           |
| 37    |             |     |             |                 |              |                    |           |
| 38    |             |     |             |                 |              |                    |           |
| 39    |             |     |             |                 |              |                    |           |
| 40    |             |     |             |                 |              |                    |           |

|                                                                                           |                                            |
|-------------------------------------------------------------------------------------------|--------------------------------------------|
| LEGEND<br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | Spoon refusal @ 24.1, auger refusal= 24.2' |
|-------------------------------------------------------------------------------------------|--------------------------------------------|

GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.

bgs = below ground surface  
ppm = parts per million



|                 |                |
|-----------------|----------------|
| PROJECT         | BORING PA-13   |
| Orchard Whitney | SHEET 1 OF 1   |
|                 | JOB #: 4216-03 |
|                 | CHKD. BY:      |

|                                |                                            |
|--------------------------------|--------------------------------------------|
| CONTRACTOR: Nothnagle Drilling | BORING LOCATION: SEE PLAN                  |
| DRILLER: Kevin                 | GROUND SURFACE ELEVATION: DATUM: N/A       |
| JCL PERSONNEL: ED              | START DATE: 7/12/11      END DATE: 7/13/11 |

|                                                                                                                                                      |                  |      |       |        |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG: Bk81 (CME85)<br>CASING SIZE AND TYPE: 2"<br>OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band<br>ROCK DRILLING METHOD: NA | WATER LEVEL DATA |      |       |        |         |
|                                                                                                                                                      | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                                                                      |                  |      |       |        |         |
|                                                                                                                                                      |                  |      |       |        |         |
|                                                                                                                                                      |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                       | PID (ppm)  |
|-------|-------------|-----|-------------|-----------------|--------------|--------------------------------------------------------------------------|------------|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                          |            |
| 1     | 36<br>↓     |     |             |                 | 45%<br>↓     | Brown silt with cmf sand and cmf gravel; moist                           | 0-4': 0    |
| 2     |             |     |             |                 |              | @ 1.7'; soil behaves similar to asphalt patch, flowing and "sticky"; wet |            |
| 3     |             |     |             |                 |              |                                                                          |            |
| 4     |             |     | 4.0         |                 |              | @ 3.8'; olive-grey clay lensej; moist                                    | 4-8': 0    |
| 5     | 32<br>↓     |     |             |                 | 25%<br>↓     | @4.5'; brown cmf sand with silt; some cmf gravel; wet                    |            |
| 6     |             |     |             |                 |              |                                                                          |            |
| 7     |             |     |             |                 |              | @ 7'; brown silt; some cmf sand; some cmf gravel; saturated              |            |
| 8     |             |     | 8.0         |                 |              |                                                                          |            |
| 9     |             |     |             |                 | 75%<br>↓     | @ 8.7'; grey f sand; some silt; some cmf gravel; wet                     | 8.5': 24.6 |
| 10    |             |     |             |                 |              | @9'; moist                                                               | 9': 18     |
| 11    | 275<br>↓    |     |             |                 |              |                                                                          | 9.5': 62   |
| 12    |             |     | 12.0        |                 |              |                                                                          | 10': 17    |
| 13    |             |     |             |                 |              |                                                                          | 11': 20    |
| 14    | 260<br>↓    |     |             |                 |              |                                                                          | 11.5': 6.7 |
| 15    |             |     |             |                 |              |                                                                          | 12': 3.4   |
| 16    |             |     |             |                 |              |                                                                          | 13': 1.2   |
| 17    | 140<br>↓    |     |             |                 |              |                                                                          | 14': 0.3   |
| 18    |             |     | 17.8        |                 |              |                                                                          | 15': 0.2   |
| 19    |             |     |             |                 |              |                                                                          | 16': 2.4   |
| 20    |             |     |             |                 |              |                                                                          | 17': 0     |
|       |             |     |             |                 |              |                                                                          | 17.8': 0   |

|                                                                                                  |                                                                                                                        |
|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>LEGEND</b><br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | Boring is west of tank 6 vault (known contamination from UST removals)<br>Spoon refusal @ 17.8'; Auger refusal @ 19.5' |
|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|

GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.  
 bgs = below ground surface  
 ppm = parts per million



|                 |                |
|-----------------|----------------|
| PROJECT         | BORING PA-14   |
| Orchard Whitney | SHEET 1 OF 1   |
|                 | JOB #: 4316-03 |
|                 | CHKD. BY:      |

|                                |                                       |
|--------------------------------|---------------------------------------|
| CONTRACTOR: Nothnagle Drilling | BORING LOCATION: SEE PLAN             |
| DRILLER: Kevin                 | GROUND SURFACE ELEVATION: DATUM: N/A  |
| JCL PERSONNEL: ED              | START DATE: 7/13/11 END DATE: 7/13/11 |

|                                                                                                                                                      |                  |      |       |        |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG: Bk81 (CME85)<br>CASING SIZE AND TYPE: 2"<br>OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band<br>ROCK DRILLING METHOD: NA | WATER LEVEL DATA |      |       |        |         |
|                                                                                                                                                      | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                                                                      |                  |      |       |        |         |
|                                                                                                                                                      |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                           | PID (ppm)   |
|-------|-------------|-----|-------------|-----------------|--------------|------------------------------------------------------------------------------|-------------|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                              |             |
| 1     | 24          |     |             |                 | 50%          | @ 0': brown cmf sand; little silt; some cmf gravel; moist                    | 0': 0       |
|       | ↓           |     |             |                 | ↓            |                                                                              | 1': 0       |
| 2     |             |     |             |                 |              |                                                                              | 2': 0       |
| 3     |             |     |             |                 |              |                                                                              | 3': .2      |
| 4     |             |     | 4.0         |                 |              |                                                                              | 4': 1.9     |
| 5     | 24          |     |             |                 | 50%          | @5'; red-brown f sand with silt; little mf gravel; wet                       | 5': 2.0     |
|       | ↓           |     |             |                 | ↓            |                                                                              |             |
| 6     |             |     |             |                 |              | @6'; olive-brown silt; little f sand; little cmf gravel; wet; petroleum odor | 6': 0.5     |
| 7     |             |     |             |                 |              | @7'; saturated                                                               | 7': 286.4   |
| 8     |             |     | 8.0         |                 |              |                                                                              | 8': 176.4   |
| 9     |             |     |             |                 | 75%          |                                                                              | 9': 117     |
|       | ↓           |     |             |                 | ↓            |                                                                              |             |
| 10    | 290         |     |             |                 |              | @10'; grey f sand; some silt; little cmf gravel; moist                       | 10': 502    |
|       | ↓           |     |             |                 |              |                                                                              |             |
| 11    |             |     |             |                 |              |                                                                              | 11': 50     |
| 12    |             |     | 12.0        |                 |              |                                                                              | 11.5': 13.6 |
|       |             |     |             |                 | 100%         | @ 12.5'; grey silt; little f sand; trace mf gravel; moist                    | 12': 16.3   |
| 13    |             |     |             |                 | ↓            |                                                                              | 13': 63     |
| 14    | 455         |     |             |                 |              |                                                                              | 14': 66     |
|       | ↓           |     |             |                 |              |                                                                              |             |
| 15    |             |     |             |                 |              |                                                                              | 15': 86     |
| 16    |             |     | 16.0        |                 |              | @ 16.8'; saturated f sand with silt                                          | 16': 6.4    |
| 17    | 206         |     |             |                 | 100%         |                                                                              | 17': 1      |
|       | ↓           |     |             |                 | ↓            |                                                                              |             |
| 18    |             |     | 17.6        |                 |              |                                                                              | 17.6': 0.5  |
| 19    |             |     |             |                 |              |                                                                              |             |
| 20    |             |     |             |                 |              |                                                                              |             |

|                                                                                                  |                                                                                   |
|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| <b>LEGEND</b><br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | Spoon refusal= 17.6'; auger 18'<br>Screen miniwell from 18-8' with sandpack to 6' |
|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|

GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.

bgs = below ground surface  
ppm = parts per million



|                 |                |
|-----------------|----------------|
| PROJECT         | BORING PA-15   |
| Orchard Whitney | SHEET OF       |
|                 | JOB #: 4216-03 |
|                 | CHKD. BY:      |

|                                |                                       |
|--------------------------------|---------------------------------------|
| CONTRACTOR: Nothnagle Drilling | BORING LOCATION: SEE PLAN             |
| DRILLER: Kevin                 | GROUND SURFACE ELEVATION: DATUM: N/A  |
| JCL PERSONNEL: ED              | START DATE: 7/13/11 END DATE: 7/13/11 |

|                                                                                                                                                      |                  |      |       |        |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG: Bk81 (CME85)<br>CASING SIZE AND TYPE: 2"<br>OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band<br>ROCK DRILLING METHOD: NA | WATER LEVEL DATA |      |       |        |         |
|                                                                                                                                                      | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                                                                      |                  |      |       |        |         |
|                                                                                                                                                      |                  |      |       |        |         |
|                                                                                                                                                      |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                                                      | PID (ppm) |
|-------|-------------|-----|-------------|-----------------|--------------|---------------------------------------------------------------------------------------------------------|-----------|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                                                         |           |
| 1     | 45          | 1   |             |                 | 12%          | @ 0'; brown silt with clay; little cmf sand; cmf gravel; red stone @ 1-2' (very little recovery); moist | 0-4': 0   |
| 2     |             |     |             |                 |              |                                                                                                         |           |
| 3     |             |     |             |                 |              |                                                                                                         |           |
| 4     |             |     | 4.0         |                 |              |                                                                                                         | 4-8': 0   |
| 5     | 55          | 2   |             |                 | 18%          | @ 5' (+/-); black-brown mf sand and slag/cinder fill; dry                                               |           |
| 6     |             |     |             |                 |              |                                                                                                         |           |
| 7     |             |     |             |                 |              | @ 7.0'; light brown silt with cmf gravel; trace f sand; saturated                                       |           |
| 8     |             |     | 8.0         |                 |              |                                                                                                         |           |
| 9     |             | 3   |             |                 | 70%          |                                                                                                         | 9': 15    |
| 10    | 80          |     |             |                 |              | @ 10'; olive-light brown silt with f sand; moist                                                        | 10': 5    |
| 11    |             |     |             |                 |              | @ 10.7'; grey silt; some f sand; trace mf gravel; moist                                                 | 11': 0.2  |
| 12    |             |     | 12.0        |                 |              |                                                                                                         | 12': 0    |
| 13    | 316         |     |             |                 | 75%          | @ 12.5'; little cmf rounded gravel; moist                                                               |           |
| 14    |             |     |             |                 |              |                                                                                                         |           |
| 15    |             |     |             |                 |              | @ 14.75'; saturated (grey f sand with silt)                                                             |           |
| 16    |             |     |             |                 |              |                                                                                                         |           |
| 17    |             |     |             |                 |              |                                                                                                         |           |
| 18    |             |     |             |                 |              |                                                                                                         |           |
| 19    |             |     |             |                 |              |                                                                                                         |           |
| 20    |             |     |             |                 |              |                                                                                                         |           |

|                                                                                                  |                                                                                                                      |
|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>LEGEND</b><br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | Set nested pair each with 2.5' screen (16.0-13.5' with sand to 13.0; bentonite from 13 to 10.5'; 2.5 shallow screen) |
|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|

GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.

bgs = below ground surface  
ppm = parts per million





|                 |                |
|-----------------|----------------|
| PROJECT         | BORING PA-16   |
| Orchard Whitney | SHEET 1 OF 2   |
|                 | JOB #: 4216-03 |
|                 | CHKD. BY:      |

|                                |                                       |
|--------------------------------|---------------------------------------|
| CONTRACTOR: Nothnagle Drilling | BORING LOCATION: SEE PLAN             |
| DRILLER: Kevin                 | GROUND SURFACE ELEVATION: DATUM: N/A  |
| JCL PERSONNEL: ED              | START DATE: 7/13/11 END DATE: 7/13/11 |

|                                                                                                                                                      |                  |      |       |        |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG: Bk81 (CME85)<br>CASING SIZE AND TYPE: 2"<br>OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band<br>ROCK DRILLING METHOD: NA | WATER LEVEL DATA |      |       |        |         |
|                                                                                                                                                      | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                                                                      |                  |      |       |        |         |
|                                                                                                                                                      |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                                               | PID (ppm)   |
|-------|-------------|-----|-------------|-----------------|--------------|--------------------------------------------------------------------------------------------------|-------------|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                                                  |             |
| 1     | NA          |     |             |                 | NA           | 0-6'; bldg demo material from berm                                                               |             |
| 2     |             |     |             |                 |              |                                                                                                  |             |
| 3     |             |     |             |                 |              |                                                                                                  |             |
| 4     |             |     |             |                 |              |                                                                                                  |             |
| 5     |             |     |             |                 |              |                                                                                                  |             |
| 6     |             |     |             |                 |              | 6-9'; flowable fill material                                                                     |             |
| 7     |             |     |             |                 |              |                                                                                                  |             |
| 8     |             |     |             |                 |              |                                                                                                  |             |
| 9     |             |     |             |                 |              | @ 9'; concrete vault floor- 1' thick                                                             |             |
| 10    |             |     |             |                 |              | @ 10'; 2" layer black slag/cmf gravel; little cmf sand; petrol odor; saturated (likely concrete) | 10.5': 0.3  |
|       | 90          |     |             |                 | 70%          | @ 10.2'; grey-brown silt with cmf sand; cmf gravel; sautrated; litght petrol odor; trace clay    | 11': 0      |
| 11    |             |     |             |                 |              |                                                                                                  |             |
| 12    |             |     |             |                 |              |                                                                                                  | 12': 0      |
| 13    |             |     |             |                 |              |                                                                                                  | 13': 0      |
| 14    |             |     |             |                 |              | @ 14'; rose-grey f sand with silt' some cmf gravel; moist                                        | 14': 0      |
|       | 400         |     |             |                 | 100%         |                                                                                                  | 15-17': 0   |
| 15    |             |     |             |                 |              |                                                                                                  |             |
| 16    |             |     |             |                 |              |                                                                                                  |             |
| 17    |             |     |             |                 |              |                                                                                                  |             |
|       | Auger       |     |             |                 |              |                                                                                                  |             |
| 18    | 400         |     |             |                 | 95%          | @ 18'; saturated                                                                                 | 18-19.3': 0 |
| 19    |             |     |             |                 |              | @ 19'; moist                                                                                     |             |
|       | 19.3        |     |             |                 |              |                                                                                                  |             |
| 20    | 150         |     |             |                 | 100%         | @ 20.5'; some silt; saturated                                                                    | 20-20.9': 0 |
|       |             |     |             |                 |              | @ 20.7'; moist                                                                                   |             |

|      |                                                   |  |  |  |  |  |  |
|------|---------------------------------------------------|--|--|--|--|--|--|
| 20.9 |                                                   |  |  |  |  |  |  |
|      | U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE |  |  |  |  |  |  |

GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.

bgs = below ground surface  
ppm = parts per million



|                 |                |
|-----------------|----------------|
| PROJECT         | BORING PA-16   |
| Orchard Whitney | SHEET 2 OF 2   |
|                 | JOB #: 4216-03 |
|                 | CHKD. BY:      |

|                                |                                       |
|--------------------------------|---------------------------------------|
| CONTRACTOR: Nothnagle Drilling | BORING LOCATION: SEE PLAN             |
| DRILLER: Kevin                 | GROUND SURFACE ELEVATION: DATUM: N/A  |
| JCL PERSONNEL: ED              | START DATE: 7/13/11 END DATE: 7/13/11 |

|                                                                                                                                                      |                  |      |       |        |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG: Bk81 (CME85)<br>CASING SIZE AND TYPE: 2"<br>OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band<br>ROCK DRILLING METHOD: NA | WATER LEVEL DATA |      |       |        |         |
|                                                                                                                                                      | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                                                                      |                  |      |       |        |         |
|                                                                                                                                                      |                  |      |       |        |         |
|                                                                                                                                                      |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                          | PID (ppm)   |
|-------|-------------|-----|-------------|-----------------|--------------|---------------------------------------------|-------------|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                             |             |
|       | Auger       |     | 20.9        |                 |              |                                             |             |
| 21    |             |     |             |                 |              |                                             |             |
| 22    |             |     |             |                 |              | @ 23.5'; cobble                             | 22-24': 0   |
| 23    | 210         |     |             |                 | 60%          |                                             |             |
| 24    |             |     | 24.0        |                 |              |                                             |             |
| 25    |             |     |             |                 |              |                                             |             |
| 26    | 200         |     |             |                 | 100%         | @ 26'; grey mf sand; little silt; saturated | 26-26.6': 0 |
| 27    |             |     | 26.6        |                 |              |                                             |             |
| 28    |             |     |             |                 |              |                                             |             |
| 29    |             |     |             |                 |              |                                             |             |
| 30    |             |     |             |                 |              |                                             |             |
| 31    |             |     |             |                 |              |                                             |             |
| 32    |             |     |             |                 |              |                                             |             |
| 33    |             |     |             |                 |              |                                             |             |
| 34    |             |     |             |                 |              |                                             |             |
| 35    |             |     |             |                 |              |                                             |             |
| 36    |             |     |             |                 |              |                                             |             |
| 37    |             |     |             |                 |              |                                             |             |
| 38    |             |     |             |                 |              |                                             |             |
| 39    |             |     |             |                 |              |                                             |             |
| 40    |             |     |             |                 |              |                                             |             |

|                                                                                                  |                                                                                                                                                                                                          |
|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>LEGEND</b><br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | Spoon refusal= 26.6'; auger refusal 26.8<br>Encounter natural gas pocket when removing augers<br>Oxygen= 19.8 ppm, Carbon Monoxide= 55 ppm down augers/no impact in breathing zone, no well installation |
|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.

bgs = below ground surface  
ppm = parts per million



|                 |                |
|-----------------|----------------|
| PROJECT         | BORING PA-17   |
| Orchard Whitney | SHEET 1 OF 1   |
|                 | JOB #: 4216-03 |
|                 | CHKD. BY:      |

|                                |                                       |
|--------------------------------|---------------------------------------|
| CONTRACTOR: Nothnagle Drilling | BORING LOCATION: SEE PLAN             |
| DRILLER: Kevin                 | GROUND SURFACE ELEVATION: DATUM: N/A  |
| JCL PERSONNEL: ED              | START DATE: 7/14/11 END DATE: 7/14/11 |

|                                                                                                                                                      |                  |      |       |        |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG: Bk81 (CME85)<br>CASING SIZE AND TYPE: 2"<br>OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band<br>ROCK DRILLING METHOD: NA | WATER LEVEL DATA |      |       |        |         |
|                                                                                                                                                      | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                                                                      |                  |      |       |        |         |
|                                                                                                                                                      |                  |      |       |        |         |
|                                                                                                                                                      |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                | PID (ppm)              |
|-------|-------------|-----|-------------|-----------------|--------------|-------------------------------------------------------------------|------------------------|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                   |                        |
| 1     |             |     |             |                 |              | 0-6'; Construction and demolition backfill (fill)                 |                        |
| 2     |             |     |             |                 |              |                                                                   |                        |
| 3     |             |     |             |                 |              |                                                                   |                        |
| 4     |             |     |             |                 |              |                                                                   |                        |
| 5     |             |     |             |                 |              |                                                                   |                        |
| 6     |             |     |             |                 |              | @ 6'; flowable fill                                               |                        |
| 7     |             |     |             |                 |              |                                                                   |                        |
| 8     |             |     |             |                 |              |                                                                   |                        |
| 9     |             |     |             |                 |              |                                                                   |                        |
| 10    |             |     |             |                 |              |                                                                   |                        |
| 11    |             |     |             |                 | 75%          | @ 11.5'; vault floor                                              |                        |
| 12    |             |     |             |                 | ↓            | @ 12'; black concrete; no odor (1")                               | 12': 0.4               |
| 13    |             | 1   |             |                 |              | @ 12.1'; rose-grey f sand with silt; little cmf gravel; moist-wet | 12.5': 0.5<br>13': 0.1 |
| 14    | ↑<br>260    |     |             |                 |              |                                                                   |                        |
| 15    | ↓           |     |             |                 |              | @ 14.5'; grey silt' some f sand; trace mf gravel; moist           | 14': 0                 |
| 16    |             |     | 16.0        |                 |              |                                                                   | 15': 0                 |
| 17    | ↓<br>185    |     |             |                 |              |                                                                   | 16': 0                 |
| 18    |             |     | 17.6        |                 |              |                                                                   |                        |
| 19    |             |     |             |                 |              |                                                                   |                        |
| 20    |             |     |             |                 |              |                                                                   |                        |

|                                                                                                  |                       |
|--------------------------------------------------------------------------------------------------|-----------------------|
| <b>LEGEND</b><br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | Auger refusal @ 17.8' |
|--------------------------------------------------------------------------------------------------|-----------------------|

GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.

bgs = below ground surface  
ppm = parts per million



|                 |                |
|-----------------|----------------|
| PROJECT         | BORING PA-18   |
| Orchard Whitney | SHEET 1 OF 1   |
|                 | JOB #: 4216-03 |
|                 | CHKD. BY:      |

|                                |                                       |
|--------------------------------|---------------------------------------|
| CONTRACTOR: Nothnagle Drilling | BORING LOCATION: SEE PLAN             |
| DRILLER: Kevin                 | GROUND SURFACE ELEVATION: DATUM: N/A  |
| JCL PERSONNEL: ED              | START DATE: 7/14/11 END DATE: 7/14/11 |

|                                                                                                                                                      |                  |      |       |        |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG: Bk81 (CME85)<br>CASING SIZE AND TYPE: 2"<br>OVERBURDEN SAMPLING METHOD: Autohammer, 4' malvocore band<br>ROCK DRILLING METHOD: NA | WATER LEVEL DATA |      |       |        |         |
|                                                                                                                                                      | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                                                                      |                  |      |       |        |         |
|                                                                                                                                                      |                  |      |       |        |         |
|                                                                                                                                                      |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                 | PID (ppm)   |
|-------|-------------|-----|-------------|-----------------|--------------|--------------------------------------------------------------------|-------------|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                    |             |
| 1     |             |     |             |                 |              | Auger to 4' (concrete/sand/gravel)                                 | 0-4': NA    |
| 2     |             |     |             |                 |              |                                                                    |             |
| 3     |             |     |             |                 |              |                                                                    |             |
| 4     |             | 1   |             |                 | 50%          | @ 4'; red-brown mf sand; some silt; some cmf gravel; moist         | 4-8': 0     |
| 5     |             |     |             |                 | ↓            | @ 4.75' (+/-); olive-brown clay with silt; moist                   |             |
| 6     | ↑           |     |             |                 |              |                                                                    |             |
| 6     | 35          |     |             |                 |              |                                                                    |             |
| 7     | ↓           |     |             |                 |              |                                                                    |             |
| 8     |             |     |             |                 |              | @ 8'; olive-light brown silt with f sand and cmf gravel; saturated | 8-12': 0    |
| 9     | 250         |     |             |                 | 90%          | @ 9'; f sand with silt                                             |             |
| 9     | ↓           |     |             |                 | ↓            |                                                                    |             |
| 10    |             |     |             |                 |              | @ 10'; rose-grey f sand; some silt; mf gravel; moist               |             |
| 11    |             |     |             |                 |              | @ 11'; grey silt; little cmf gravel; moist                         |             |
| 12    |             |     |             |                 |              |                                                                    | 12-16': 0   |
| 13    |             |     |             |                 | 100%         |                                                                    |             |
| 13    | 335         |     |             |                 | ↓            |                                                                    |             |
| 14    | ↓           |     |             |                 |              |                                                                    |             |
| 15    |             |     |             |                 |              |                                                                    |             |
| 16    |             |     |             |                 |              | @ 16.5'; grey f sand; some silt; trace mf gravel                   | 16-17.3': 0 |
| 17    | 250         |     |             |                 | 100%         |                                                                    |             |
| 17    | ↓           |     |             |                 | ↓            |                                                                    |             |
| 18    |             |     |             |                 |              |                                                                    |             |
| 19    |             |     |             |                 |              |                                                                    |             |
| 20    |             |     |             |                 |              |                                                                    |             |

|                                                                                                  |                                                                        |
|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| <b>LEGEND</b><br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | Spoon refusal @ 17.3'; Auger refusal @ 17.4'; no miniwell construction |
|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|

|                                                                                                                                                                                                                                                                                                                    |                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>GENERAL NOTES:</b><br>1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.<br>2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.<br>bgs = below ground surface<br>ppm = parts per million | BORING # PA-18 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|



|                        |                      |
|------------------------|----------------------|
| PROJECT                | BORING MW-23 / SB-23 |
| Orchard Whitney RI/IRM | SHEET 1 OF 1         |
|                        | JOB #: 4216-03       |
|                        | CHKD. BY:            |

|                                |                                            |
|--------------------------------|--------------------------------------------|
| CONTRACTOR: Nothnagle Drilling | BORING LOCATION: SEE PLAN                  |
| DRILLER: Kevin                 | GROUND SURFACE ELEVATION: DATUM: N/A       |
| JCL PERSONNEL: ED              | START DATE: 7/15/11      END DATE: 7/15/11 |

|                                                                                                                                                                                |                  |      |       |        |         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG: Bk81<br>CASING SIZE AND TYPE: 2" pvc/4.25" HSA<br>OVERBURDEN SAMPLING METHOD: Autohammer/continuous<br>ROCK DRILLING METHOD: Auger to auger refused in rock | WATER LEVEL DATA |      |       |        |         |
|                                                                                                                                                                                | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                                                                                                |                  |      |       |        |         |
|                                                                                                                                                                                |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                   | PID (ppm)   |
|-------|-------------|-----|-------------|-----------------|--------------|----------------------------------------------------------------------|-------------|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                      |             |
| 1     | ↑           |     |             |                 | 5%           | Grey-brown silt; some cmf sand; some cmf gravel; moist               | 0-4': 0     |
|       | 24          |     |             |                 |              |                                                                      |             |
| 2     | ↓           |     |             |                 |              |                                                                      |             |
| 3     |             |     |             |                 |              |                                                                      |             |
| 4     |             |     | 4.0         |                 |              | @ 4.5'; brown mf sand; little silt; little mf gravel; moist          | 4-8': 0     |
|       | 35          |     |             | 50%             |              |                                                                      |             |
| 5     | ↓           |     |             |                 |              | @ 5.5' (+/-); olive-grey silt; some cmf sand; some cmf gravel; moist |             |
| 6     |             |     |             |                 |              |                                                                      |             |
| 7     |             |     |             |                 |              |                                                                      |             |
| 8     |             |     | 8.0         |                 |              | @ 8'; saturated                                                      | 8-12': 0    |
|       | 160         |     |             | 75%             |              |                                                                      |             |
| 9     | ↓           |     |             |                 |              | @ 9.2'; grey silt; some f sand; trace mf gravel; moist               |             |
| 10    |             |     |             |                 |              |                                                                      |             |
| 11    |             |     |             |                 |              |                                                                      |             |
| 12    |             |     | 12.0        |                 |              | @ 17'; grey f sand with silt; little cmf gravel; moist               | 12-15.1': 0 |
|       |             |     |             | 90%             |              |                                                                      |             |
| 13    |             |     |             |                 |              |                                                                      |             |
|       | 330         |     |             |                 |              |                                                                      |             |
| 14    | ↓           |     |             |                 |              |                                                                      |             |
| 15    |             |     |             |                 |              |                                                                      |             |
| 16    |             |     | 15.1        |                 |              |                                                                      | 15.2-17': 0 |
| 17    |             |     | 17.0        |                 | 95           |                                                                      | No sample   |
| 18    |             |     |             |                 |              |                                                                      |             |
| 19    |             |     |             |                 |              |                                                                      |             |
| 20    |             |     | 20.0        |                 |              |                                                                      | 17-20': 0   |

|                                                                                                  |                                                                                                                                                                                                                          |
|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>LEGEND</b><br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | TD with augers= 22'<br>Spoon refusal @ 15.1'; auger to 17'; 2nd spoon refusal @ 20'; Auger to 22' (+/-); auger to 2' into bedrock and set interface well from 22-12 (10' screen); sandpack 22-11.5'; bentonite 11.5-8.8' |
|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.

bgs = below ground surface  
ppm = parts per million



PROJECT  
Orchard Whitney RI/IRM

BORING MW-24 / SB-24  
SHEET 1 OF 2  
JOB #: 4216-03  
CHKD. BY:

CONTRACTOR: Nothnagle Drilling  
DRILLER: Kevin  
JCL PERSONNEL: ED

BORING LOCATION: SEE PLAN  
GROUND SURFACE ELEVATION: DATUM: N/A  
START DATE: 7/15/11 END DATE: 7/15/11

TYPE OF DRILL RIG: Bk81  
CASING SIZE AND TYPE: 2" pvc/4.25" HSA  
VERBURDEN SAMPLING METHOD: Autohammer (140 lb)/continuous @ 22'  
ROCK DRILLING METHOD: Rollerbit

| WATER LEVEL DATA |      |       |        |         |
|------------------|------|-------|--------|---------|
| DATE             | TIME | WATER | CASING | REMARKS |
|                  |      |       |        |         |
|                  |      |       |        |         |
|                  |      |       |        |         |

| DEPTH<br>(FT.) | SAMPLE DATA |     |                |                    |                 | SAMPLE DESCRIPTION                                              | PID<br>(ppm) |
|----------------|-------------|-----|----------------|--------------------|-----------------|-----------------------------------------------------------------|--------------|
|                | BLOW<br>/6" | NO. | DEPTH<br>(FT.) | N-VALUE<br>/RQD(%) | RECOVERY<br>(%) |                                                                 |              |
| 0              | 65          | 1   |                |                    | 50%             | @ 0'; Brick, silt, concrete fill; gravel, dry                   | 0-4': 0      |
| 1              | ↓           |     |                |                    | ↓               |                                                                 |              |
| 2              |             |     |                |                    |                 |                                                                 |              |
| 3              |             |     |                |                    |                 |                                                                 |              |
| 4              |             |     | 4.0            |                    |                 | @ 4'; stop sampling; already characterized through test pitting |              |
| 5              |             |     |                |                    |                 |                                                                 |              |
| 6              |             |     |                |                    |                 |                                                                 |              |
| 7              |             |     |                |                    |                 |                                                                 |              |
| 8              |             |     |                |                    |                 |                                                                 |              |
| 9              |             |     |                |                    |                 |                                                                 |              |
| 10             |             |     |                |                    |                 |                                                                 |              |
| 11             |             |     |                |                    |                 |                                                                 |              |
| 12             |             |     |                |                    |                 |                                                                 |              |
| 13             |             |     |                |                    |                 |                                                                 |              |
| 14             |             |     |                |                    |                 |                                                                 |              |
| 15             |             |     |                |                    |                 |                                                                 |              |
| 16             |             |     |                |                    |                 |                                                                 |              |
| 17             |             |     |                |                    |                 |                                                                 |              |
| 18             |             |     |                |                    |                 |                                                                 |              |
| 19             |             |     |                |                    |                 |                                                                 |              |
| 20             |             |     |                |                    |                 |                                                                 |              |

LEGEND  
S- SPLIT SPOON SOIL SAMPLE  
U- UNDISTURBED SOIL SAMPLE  
C- ROCK CORE SAMPLE

GENERAL NOTES:  
1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.  
2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.  
bgs = below ground surface  
ppm = parts per million



|                        |                      |
|------------------------|----------------------|
| PROJECT                | BORING MW-24 / SB-24 |
| Orchard Whitney RI/IRM | SHEET 2 OF 2         |
|                        | JOB #: 4216-03       |
|                        | CHKD. BY:            |

|                                |                                            |
|--------------------------------|--------------------------------------------|
| CONTRACTOR: Nothnagle Drilling | BORING LOCATION: SEE PLAN                  |
| DRILLER: Kevin                 | GROUND SURFACE ELEVATION: DATUM: N/A       |
| JCL PERSONNEL: ED              | START DATE: 7/15/11      END DATE: 7/15/11 |

|                                                                                                                                                                          |                  |      |       |        |         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG: Bk81<br>CASING SIZE AND TYPE: 2" pvc/4.25" HSA<br>OVERBURDEN SAMPLING METHOD: Autohammer (140 lb)/continuous @ 22'<br>ROCK DRILLING METHOD: Rollerbit | WATER LEVEL DATA |      |       |        |         |
|                                                                                                                                                                          | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                                                                                          |                  |      |       |        |         |
|                                                                                                                                                                          |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                                                          | PID (ppm)                               |
|-------|-------------|-----|-------------|-----------------|--------------|-------------------------------------------------------------------------------------------------------------|-----------------------------------------|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                                                             |                                         |
| 21    |             |     |             |                 |              | @ 22-22.9 No recovery                                                                                       | 0.0<br>NO PID hits with meter in augers |
| 22    |             | 2   |             |                 | 0%           |                                                                                                             |                                         |
| 23    |             |     | 22.9'       |                 |              |                                                                                                             |                                         |
| 24    |             |     |             |                 |              |                                                                                                             |                                         |
| 25    |             | 3   |             |                 | 70%          | @ 25'; grey-light brown silt and f sand; little cmf gravel; saturated (or saturated above and moist 25-29') |                                         |
| 26    | 405         |     |             |                 |              |                                                                                                             |                                         |
| 27    |             |     |             |                 |              |                                                                                                             |                                         |
| 28    |             |     |             |                 |              |                                                                                                             |                                         |
| 29    |             |     | 29.0        |                 |              | @ 29'; encounter bedrock                                                                                    |                                         |
| 30    |             |     |             |                 |              |                                                                                                             |                                         |
| 31    |             |     |             |                 |              |                                                                                                             |                                         |
| 32    |             |     |             |                 |              |                                                                                                             |                                         |
| 33    |             |     |             |                 |              |                                                                                                             |                                         |
| 34    |             |     |             |                 |              | TD= 34' (construct well @ 33')                                                                              |                                         |
| 35    |             |     |             |                 |              |                                                                                                             |                                         |
| 36    |             |     |             |                 |              |                                                                                                             |                                         |
| 37    |             |     |             |                 |              |                                                                                                             |                                         |
| 38    |             |     |             |                 |              |                                                                                                             |                                         |
| 39    |             |     |             |                 |              |                                                                                                             |                                         |
| 40    |             |     |             |                 |              |                                                                                                             |                                         |

|                                                                                                  |                                                                                                                                                                                                |
|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>LEGEND</b><br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | @ 25-29' spoon and drill rod saturated (at least 5' of water);<br>Encounter bedrock @ approximately 29'; auger to refusal @ 30.5';<br>Rollerbit to 34'; construct 33-24' screen; sand to 23.4' |
|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

GENERAL NOTES:

- Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.  
 bgs = below ground surface  
 ppm = parts per million



|                 |                      |
|-----------------|----------------------|
| PROJECT         | BORING MW-25 / SB-25 |
| Orchard Whitney | SHEET 1 OF 2         |
|                 | JOB #: 4216-03       |
|                 | CHKD. BY:            |

|                                |                                            |
|--------------------------------|--------------------------------------------|
| CONTRACTOR: Nothnagle Drilling | BORING LOCATION: SEE PLAN                  |
| DRILLER: Kevin                 | GROUND SURFACE ELEVATION: DATUM: N/A       |
| JCL PERSONNEL: ED              | START DATE: 7/18/11      END DATE: 7/19/11 |

|                                                                                                                                                                        |                  |      |       |        |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG: Bk81<br>CASING SIZE AND TYPE: 2" pvc/4.25" HSA<br>OVERBURDEN SAMPLING METHOD: 140 lb. Autohammer/continuous @ 8'<br>ROCK DRILLING METHOD: Rollerbit | WATER LEVEL DATA |      |       |        |         |
|                                                                                                                                                                        | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                                                                                        |                  |      |       |        |         |
|                                                                                                                                                                        |                  |      |       |        |         |
|                                                                                                                                                                        |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                    | PID (ppm) |
|-------|-------------|-----|-------------|-----------------|--------------|-----------------------------------------------------------------------|-----------|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                       |           |
| 1     |             |     |             |                 |              |                                                                       |           |
| 2     |             |     |             |                 |              |                                                                       |           |
| 3     |             |     |             |                 |              |                                                                       |           |
| 4     |             | 1   |             |                 | 0%           | No recovery                                                           | 4-6': 0   |
| 5     |             |     |             |                 |              |                                                                       |           |
| 6     |             |     | 6.5         |                 |              |                                                                       |           |
| 7     |             |     |             |                 |              |                                                                       |           |
| 8     |             | 2   |             |                 | 50%          | medium brown silt and cmf gravel; some cmf sand; moist; fill          | 8-12': 0  |
| 9     | 34          |     |             |                 |              |                                                                       |           |
| 10    |             |     |             |                 |              | @ 10'; concrete, cinder/slag                                          |           |
| 11    |             |     |             |                 |              |                                                                       |           |
| 12    |             |     | 12.0        |                 | 25%          | @ 12'; dark brown silt; some cmf grave; little mf sand, native; moist | 12-16': 0 |
| 13    | 26          | 3   |             |                 |              |                                                                       |           |
| 14    |             |     |             |                 |              |                                                                       |           |
| 15    |             |     |             |                 |              |                                                                       |           |
| 16    |             |     | 16.0        |                 |              | @ 16'; red-brown f sand; little silt; moist; loose                    | 16-20': 0 |
| 17    |             | 4   |             |                 | 35%          |                                                                       |           |
| 18    | 50          |     |             |                 |              |                                                                       |           |
| 19    |             |     |             |                 |              |                                                                       |           |
| 20    |             |     | 20.0        |                 |              |                                                                       |           |

|                                                                                                  |                 |
|--------------------------------------------------------------------------------------------------|-----------------|
| <b>LEGEND</b><br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | Concrete 6.5-8' |
|--------------------------------------------------------------------------------------------------|-----------------|

**GENERAL NOTES:**

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.  
 bgs = below ground surface  
 ppm = parts per million





|                        |                      |
|------------------------|----------------------|
| PROJECT                | BORING MW-25 / SB-25 |
| Orchard Whitney RI/IRM | SHEET 2 OF 2         |
|                        | JOB #: 4216-03       |
|                        | CHKD. BY:            |

|                                |                                           |
|--------------------------------|-------------------------------------------|
| CONTRACTOR: Nothnagle Drilling | BORING LOCATION: SEE PLAN                 |
| DRILLER: Kevin                 | GROUND SURFACE ELEVATION: DATUM: N/A      |
| JCL PERSONNEL: ED              | START DATE: 7/8/11      END DATE: 7/19/11 |

|                                                                                                                                                                        |                  |      |       |        |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG: Bk81<br>CASING SIZE AND TYPE: 2" pvc/4.25" HSA<br>OVERBURDEN SAMPLING METHOD: 140 lb. Autohammer/continuous @ 8'<br>ROCK DRILLING METHOD: Rollerbit | WATER LEVEL DATA |      |       |        |         |
|                                                                                                                                                                        | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                                                                                        |                  |      |       |        |         |
|                                                                                                                                                                        |                  |      |       |        |         |
|                                                                                                                                                                        |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                | PID (ppm)   |
|-------|-------------|-----|-------------|-----------------|--------------|-------------------------------------------------------------------|-------------|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                   |             |
| 21    | 200         | 5   |             |                 | 60%          | @ 20'; red-brown f sand; little silt, loose (native; saturated)   | 20-24': 0   |
| 22    |             |     |             |                 |              | @ 21'; gravel and c sand; little silt; saturated                  |             |
| 23    |             |     |             |                 |              | @ 22'; medium brown f sand with silt; little mf gravel; saturated |             |
| 24    |             | 6   | 24.0        |                 |              | @ 23.1'; olive-brown silt; little mf gravel; saturated            | 24-26.7': 0 |
| 25    | 280         |     |             |                 | 95%          | @ 24.5'; light brown silt; some f sand; little mf gravel; moist   |             |
| 26    |             |     | 26.7        |                 |              |                                                                   |             |
| 27    |             |     |             |                 |              |                                                                   |             |
| 28    |             |     |             |                 |              |                                                                   |             |
| 29    |             |     |             |                 |              |                                                                   |             |
| 30    |             |     |             |                 |              | TD= 30' (rollerbit to 31' but cave in to 30')                     |             |
| 31    |             |     |             |                 |              |                                                                   |             |
| 32    |             |     |             |                 |              |                                                                   |             |
| 33    |             |     |             |                 |              |                                                                   |             |
| 34    |             |     |             |                 |              |                                                                   |             |
| 35    |             |     |             |                 |              |                                                                   |             |
| 36    |             |     |             |                 |              |                                                                   |             |
| 37    |             |     |             |                 |              |                                                                   |             |
| 38    |             |     |             |                 |              |                                                                   |             |
| 39    |             |     |             |                 |              |                                                                   |             |
| 40    |             |     |             |                 |              |                                                                   |             |

|                                                                                                  |                                                                                                                                                                                   |
|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>LEGEND</b><br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | Spoon refusal= 26.7; auger refusal= 26.8; rollerbit from 26.7 to 31'; set well @ 30' with 15' of screen (30-15')<br>Sandpack 31 to 13.8'; bentonite 13.8-10.8'; grout 10.8'-grade |
|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

GENERAL NOTES:

- 1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- 2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.

bgs = below ground surface  
ppm = parts per million



|                 |                                      |
|-----------------|--------------------------------------|
| PROJECT         | BORING SB-26A (between MW-24, MW-25) |
| Orchard Whitney | SHEET 1 OF 1                         |
|                 | JOB #:                               |
|                 | CHKD. BY:                            |

|                                |                                       |
|--------------------------------|---------------------------------------|
| CONTRACTOR: Nothnagle Drilling | BORING LOCATION: SEE PLAN             |
| DRILLER: Kevin                 | GROUND SURFACE ELEVATION: DATUM: N/A  |
| JCL PERSONNEL: ED              | START DATE: 7/19/11 END DATE: 7/19/11 |

|                                                                                                                                                           |                  |      |       |        |         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG: Bk81<br>CASING SIZE AND TYPE: 2" pvc/4.25" HSA<br>OVERBURDEN SAMPLING METHOD: Autohammer/continuous<br>ROCK DRILLING METHOD: Rollerbit | WATER LEVEL DATA |      |       |        |         |
|                                                                                                                                                           | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                                                                           |                  |      |       |        |         |
|                                                                                                                                                           |                  |      |       |        |         |
|                                                                                                                                                           |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                     | PID (ppm)   |
|-------|-------------|-----|-------------|-----------------|--------------|--------------------------------------------------------|-------------|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                        |             |
| 1     |             |     |             |                 |              |                                                        |             |
| 2     |             |     |             |                 |              |                                                        |             |
| 3     |             |     |             |                 |              |                                                        |             |
| 4     |             |     |             |                 |              |                                                        |             |
| 5     |             |     |             |                 |              |                                                        |             |
| 6     |             |     |             |                 |              |                                                        |             |
| 7     |             |     |             |                 |              |                                                        |             |
| 8     |             |     |             |                 |              |                                                        |             |
| 9     |             |     |             |                 |              |                                                        |             |
| 10    | ↑           |     |             |                 | 8%           | @ 10'; stone, concrete, brick (bldg. demo fill); moist | 10-14': 0   |
|       | 30          |     |             |                 | ↓            |                                                        |             |
| 11    | ↓           |     |             |                 |              |                                                        |             |
| 12    |             |     |             |                 |              |                                                        |             |
| 13    |             |     |             |                 |              |                                                        |             |
| 14    |             |     | 14.0        |                 |              | @ 14'; as above                                        | 14-17.5': 0 |
|       | 100         |     |             |                 | 3%           |                                                        |             |
| 15    | ↓           |     |             |                 | ↓            |                                                        |             |
| 16    |             |     |             |                 |              |                                                        |             |
| 17    |             |     |             |                 |              |                                                        |             |
| 18    |             |     | 17.5        |                 |              |                                                        |             |
| 19    |             |     |             |                 |              |                                                        |             |
| 20    |             |     |             |                 |              |                                                        |             |

|                                                                                           |                                                          |
|-------------------------------------------------------------------------------------------|----------------------------------------------------------|
| LEGEND<br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | Spoon refusal @ 17.5' (initially); auger refusal @ 17.5' |
|-------------------------------------------------------------------------------------------|----------------------------------------------------------|

GENERAL NOTES:

- Stratification Lines represent approximate boundary between soil types; transitions may be gradual.
- PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.  
 bgs = below ground surface  
 ppm = parts per million



|                 |                |
|-----------------|----------------|
| PROJECT         | BORING SB-26B  |
| Orchard Whitney | SHEET 1 OF 1   |
|                 | JOB #: 4216-03 |
|                 | CHKD. BY:      |

|                                |                                       |
|--------------------------------|---------------------------------------|
| CONTRACTOR: Nothnagle Drilling | BORING LOCATION: SEE PLAN             |
| DRILLER: Kevin                 | GROUND SURFACE ELEVATION: DATUM: N/A  |
| JCL PERSONNEL: ED              | START DATE: 7/19/11 END DATE: 7/19/11 |

|                                                                                                                                                           |                  |      |       |        |         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG: Bk81<br>CASING SIZE AND TYPE: 2" pvc/4.25" HSA<br>OVERBURDEN SAMPLING METHOD: Autohammer/continuous<br>ROCK DRILLING METHOD: Rollerbit | WATER LEVEL DATA |      |       |        |         |
|                                                                                                                                                           | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                                                                           |                  |      |       |        |         |
|                                                                                                                                                           |                  |      |       |        |         |
|                                                                                                                                                           |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                     | PID (ppm) |
|-------|-------------|-----|-------------|-----------------|--------------|--------------------------------------------------------|-----------|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                        |           |
| 1     |             |     |             |                 |              |                                                        |           |
| 2     |             |     |             |                 |              |                                                        |           |
| 3     |             |     |             |                 |              |                                                        |           |
| 4     |             |     |             |                 |              |                                                        |           |
| 5     |             |     |             |                 |              |                                                        |           |
| 6     |             |     |             |                 |              |                                                        |           |
| 7     |             |     |             |                 |              |                                                        |           |
| 8     |             |     |             |                 |              |                                                        |           |
| 9     |             |     |             |                 |              |                                                        |           |
| 10    | ↑           | 1   |             |                 | 20%          |                                                        |           |
| 11    | ↓           |     |             |                 | ↓            | medium brown silt with mf gravel; trace mf sand; moist | 10-14': 0 |
| 12    |             |     |             |                 |              |                                                        |           |
| 13    |             |     |             |                 |              |                                                        |           |
| 14    |             |     | 14.0        |                 |              |                                                        |           |
| 15    | ↓           |     |             |                 | 25%          |                                                        |           |
| 16    |             |     |             |                 |              | @ 16'; as above with cmf gravel; wet lense             |           |
| 17    |             |     |             |                 |              |                                                        |           |
| 18    |             |     | 17.4        |                 |              |                                                        |           |
| 19    |             |     |             |                 |              |                                                        |           |
| 20    |             |     |             |                 |              |                                                        |           |

|                                                                                                  |                                                                                                                     |
|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>LEGEND</b><br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | Spoon refusal @ 17.4 auger to 17.5' (were making headway but C of R wanted to stop; likely a 2nd layer of concrete) |
|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|

|                                                                                                                                                                                                                                                                                                                    |                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>GENERAL NOTES:</b><br>1) Stratification Lines represent approximate boundary between soil types; transitions may be gradual.<br>2) PID readings were taken directly on exposed soil in disposable sleeve, immediately following retrieval from boring.<br>bgs = below ground surface<br>ppm = parts per million | BORING # SB26B |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|

|                 |                     |
|-----------------|---------------------|
| PROJECT         | BORING MW-26        |
| Orchard-Whitney | SHEET 1 OF 1        |
|                 | JOB #: 4216-06      |
|                 | CHKD. BY: G. Andrus |

|                                    |                               |                   |
|------------------------------------|-------------------------------|-------------------|
| DRILLER: Nothnagle- NS             | GROUND SURFACE ELEVATION: N/A | DATUM: N/A        |
| JCL GEOLOGIST: G. Andrus, L.Gregor | START DATE: 7/20/15           | END DATE: 7/20/15 |

|                                                                                                     |                  |      |       |        |         |
|-----------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG:<br>CASING SIZE AND TYPE:<br>OVERBURDEN SAMPLING METHOD:<br>ROCK DRILLING METHOD: | WATER LEVEL DATA |      |       |        |         |
|                                                                                                     | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                     |                  |      |       |        |         |
|                                                                                                     |                  |      |       |        |         |
|                                                                                                     |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                                                                                                                                                                            | PID |
|-------|-------------|-----|-------------|-----------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                                                                                                                                                                               |     |
| 1     |             |     |             |                 | 50%          | Concrete core to 0.5' bgs<br>Concrete subbase cmf SAND, and cmf GRAVEL                                                                                                                                                        | N/D |
| 2     |             |     |             |                 |              | brown fine SAND, some mf GRAVEL, little cm SAND, trace silt, firm, moist, no odor                                                                                                                                             | N/D |
| 3     |             |     |             |                 |              |                                                                                                                                                                                                                               |     |
| 4     |             |     |             |                 |              |                                                                                                                                                                                                                               |     |
| 5     |             |     |             |                 |              | brown similar soil with cmf GRAVEL/cmf SAND cinder lense at 5'-5.5' (loose, black, moist, no odor)                                                                                                                            | N/D |
| 6     |             |     |             |                 |              | brown, fine SAND (wet) 5.5'-6'<br>brown mf SAND some cmf GRAVEL, trace SILT, wet, loose, no odor                                                                                                                              | N/D |
| 7     |             |     |             |                 |              |                                                                                                                                                                                                                               |     |
| 8     |             |     |             |                 |              |                                                                                                                                                                                                                               |     |
| 9     |             |     |             |                 |              | similar soil becoming looser and more saturated                                                                                                                                                                               | N/D |
| 10    |             |     |             |                 |              | Soil sample taken @ 9.5' MW-26<br>gravel becoming brown cmf SAND and silt, some cmf GRAVEL, firmer, wet, no odor                                                                                                              | N/D |
| 11    |             |     |             |                 |              |                                                                                                                                                                                                                               |     |
| 12    |             |     |             |                 |              | brown-grey glacial till (fine SAND) and SILT, some cm SAND, some cmf GRAVEL, firm, moist, no odor.                                                                                                                            | N/D |
| 13    |             |     |             |                 |              | Switched to coring tools (NX). Cored to approx. 17' TD. RQD determined to be approximately 80%.<br>Rock is massively bedded dolostone, hard, slightly weathered, with moderately close fracture/joint spacing with few voids. |     |
| 14    |             |     |             |                 |              |                                                                                                                                                                                                                               |     |
| 15    |             |     |             |                 |              |                                                                                                                                                                                                                               |     |
| 16    |             |     |             |                 |              |                                                                                                                                                                                                                               |     |
| 17    |             |     |             |                 |              | 17' (16.88) Core hole terminated                                                                                                                                                                                              |     |
| 18    |             |     |             |                 |              |                                                                                                                                                                                                                               |     |
| 19    |             |     |             |                 |              |                                                                                                                                                                                                                               |     |
| 20    |             |     |             |                 |              |                                                                                                                                                                                                                               |     |

|                                                                                                  |                              |
|--------------------------------------------------------------------------------------------------|------------------------------|
| <b>LEGEND</b><br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | Bedrock encountered at 12.1' |
|--------------------------------------------------------------------------------------------------|------------------------------|

GENERAL NOTES:  
 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

BORING #

DRILLER: Nothnagle- NS      GROUND SURFACE ELEVATION: N/A      DATUM: N/A  
 JCL GEOLOGIST: G. Andrus, L.Gregor      START DATE: 7/20/15      END DATE: 7/21/15

|                                                                                                     |                  |      |       |        |         |
|-----------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG:<br>CASING SIZE AND TYPE:<br>OVERBURDEN SAMPLING METHOD:<br>ROCK DRILLING METHOD: | WATER LEVEL DATA |      |       |        |         |
|                                                                                                     | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                     |                  |      |       |        |         |
|                                                                                                     |                  |      |       |        |         |
|                                                                                                     |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                                                               | PID |
|-------|-------------|-----|-------------|-----------------|--------------|------------------------------------------------------------------------------------------------------------------|-----|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                                                                  |     |
| 1     |             |     |             |                 |              | 12-14' concrete- balck cinders/concrete                                                                          | N/D |
| 2     |             |     |             |                 | 40%          | brown, fine SAND, little mf GRAVEL<br>firm, moist, no odor                                                       | N/D |
| 3     |             |     |             |                 |              |                                                                                                                  |     |
| 4     |             |     |             |                 |              | brown mf SAND, some mf GRAVEL, loose, moist, no odor                                                             | N/D |
| 5     |             |     |             |                 | 25%          | brown similar soil loose, saturated, no odor                                                                     | N/D |
| 6     |             |     |             |                 |              |                                                                                                                  |     |
| 7     |             |     |             |                 |              |                                                                                                                  |     |
| 8     |             |     |             |                 |              |                                                                                                                  |     |
| 9     |             |     |             |                 | 50%          | light brown fine SAND and SILT, some cmf GRAVEL, firm, saturated, no odor                                        | N/D |
| 10    |             |     |             |                 |              |                                                                                                                  |     |
| 11    |             |     |             |                 |              |                                                                                                                  |     |
| 12    |             |     |             |                 |              | grey/brown SILT, little cmf SAND, little mf GRAVEL, trace CLAY, firm, moist, no odor<br>soil sample @ 12' MW-27A | N/D |
| 13    |             |     |             |                 | 30%          | grey, fine SAND and cmf GRAVEL, little cm SAND, firm, saturated, no odor                                         | N/D |
| 14    |             |     |             |                 |              |                                                                                                                  |     |
| 15    |             |     |             |                 |              |                                                                                                                  |     |
| 16    |             |     |             |                 |              |                                                                                                                  |     |
| 17    |             |     |             |                 | 100%         | similar soil                                                                                                     | N/D |
|       |             |     | 29-32.5     |                 |              | brown/grey mf SAND, little coarse SAND, trace mf GRAVEL, firm, wet, no odor<br>soil sample @ 30'-32' MW-27B      | N/D |
|       |             |     | 34-36.7     |                 |              | brown/grey mf SAND and cmf GRAVEL, some SILT, saturated, loose, no odor                                          |     |

|                                                                                                  |                            |
|--------------------------------------------------------------------------------------------------|----------------------------|
| <b>LEGEND</b><br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | Boring terminated at 33.65 |
|--------------------------------------------------------------------------------------------------|----------------------------|

GENERAL NOTES:  
 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

BORING #



175 Sullys Trail, Suite 202  
Corporate Crossings Office Park

|                 |                     |
|-----------------|---------------------|
| PROJECT         | BORING MW-28        |
| Orchard-Whitney | SHEET 1 OF 1        |
|                 | JOB #: 4216-06      |
|                 | CHKD. BY: G. Andrus |

|                                  |                               |                   |
|----------------------------------|-------------------------------|-------------------|
| DRILLER: Nothnagle- NS           | GROUND SURFACE ELEVATION: N/A | DATUM: N/A        |
| JCL GEOLOGIST: C. Bok, L. Gregor | START DATE: 7/21/15           | END DATE: 7/22/15 |

|                                                                                                     |                  |      |       |        |
|-----------------------------------------------------------------------------------------------------|------------------|------|-------|--------|
| TYPE OF DRILL RIG:<br>CASING SIZE AND TYPE:<br>OVERBURDEN SAMPLING METHOD:<br>ROCK DRILLING METHOD: | WATER LEVEL DATA |      |       |        |
|                                                                                                     | DATE             | TIME | WATER | CASING |
|                                                                                                     |                  |      |       |        |
|                                                                                                     |                  |      |       |        |
|                                                                                                     |                  |      |       |        |

| DEPTH | SAMPLE DATA |     |             |                 | SAMPLE DESCRIPTION | PID                                          |              |
|-------|-------------|-----|-------------|-----------------|--------------------|----------------------------------------------|--------------|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) |                    |                                              | RECOVERY (%) |
| 1     |             |     |             |                 | 30%                | concrete @ 0.5                               | N/D          |
| 2     |             |     |             |                 |                    |                                              |              |
| 3     |             |     |             |                 |                    |                                              |              |
| 4     |             |     |             |                 |                    | No sampling (similar soil)                   |              |
| 5     |             |     |             |                 |                    |                                              | N/D          |
| 6     |             |     |             |                 |                    |                                              |              |
| 7     |             |     |             |                 |                    |                                              | N/D          |
| 8     |             |     |             |                 |                    |                                              |              |
| 9     |             |     |             |                 |                    |                                              | N/D          |
| 10    |             |     |             |                 | 60%                | 10-12.5 brown, saturated, silt, trace clay,  |              |
| 11    |             |     |             |                 |                    | Soil sample @ 11' MW-28                      | N/D          |
| 12    |             |     |             |                 |                    |                                              |              |
| 13    |             |     |             |                 |                    | Bedrock encountered @ 13.0'                  | N/D          |
| 14    |             |     |             |                 |                    |                                              |              |
| 15    |             |     |             |                 |                    |                                              | N/D          |
| 16    |             |     |             |                 |                    |                                              |              |
| 17    |             |     |             |                 |                    | Used rotary (tri-cone) bit with water to 18' | N/D          |
| 18    |             |     |             |                 |                    |                                              |              |
| 19    |             |     |             |                 |                    |                                              | N/D          |
| 20    |             |     |             |                 |                    |                                              |              |

|                                                                                                  |                                                   |
|--------------------------------------------------------------------------------------------------|---------------------------------------------------|
| <b>LEGEND</b><br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | Bedrock encountered @ 12.7'<br>Total depth of 18' |
|--------------------------------------------------------------------------------------------------|---------------------------------------------------|

GENERAL NOTES:  
 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

BORING #

|                 |                     |
|-----------------|---------------------|
| PROJECT         | BORING MW-29        |
| Orchard-Whitney | SHEET 1 OF 1        |
|                 | JOB #: 4216-06      |
|                 | CHKD. BY: G. Andrus |

|                                  |                               |                   |
|----------------------------------|-------------------------------|-------------------|
| DRILLER: Nothnagle- NS           | GROUND SURFACE ELEVATION: N/A | DATUM: N/A        |
| JCL GEOLOGIST: C. Bok, L. Gregor | START DATE: 7/22/15           | END DATE: 7/22/15 |

|                                                                                                     |                  |      |       |        |         |
|-----------------------------------------------------------------------------------------------------|------------------|------|-------|--------|---------|
| TYPE OF DRILL RIG:<br>CASING SIZE AND TYPE:<br>OVERBURDEN SAMPLING METHOD:<br>ROCK DRILLING METHOD: | WATER LEVEL DATA |      |       |        |         |
|                                                                                                     | DATE             | TIME | WATER | CASING | REMARKS |
|                                                                                                     |                  |      |       |        |         |
|                                                                                                     |                  |      |       |        |         |
|                                                                                                     |                  |      |       |        |         |

| DEPTH | SAMPLE DATA |     |             |                 |              | SAMPLE DESCRIPTION                                                                                | PID |
|-------|-------------|-----|-------------|-----------------|--------------|---------------------------------------------------------------------------------------------------|-----|
|       | BLOW /6"    | NO. | DEPTH (FT.) | N-VALUE /RQD(%) | RECOVERY (%) |                                                                                                   |     |
| 1     |             |     |             |                 | 30%          | concrete @ 0.5                                                                                    | N/D |
| 2     |             |     |             |                 |              |                                                                                                   |     |
| 3     |             |     |             |                 |              |                                                                                                   |     |
| 4     |             |     |             |                 |              |                                                                                                   |     |
| 5     |             |     |             |                 |              |                                                                                                   |     |
| 6     |             |     |             |                 |              |                                                                                                   |     |
| 7     |             |     |             |                 |              |                                                                                                   |     |
| 8     |             |     |             |                 |              |                                                                                                   |     |
| 9     |             |     |             |                 |              |                                                                                                   |     |
| 10    |             |     |             |                 | 50%          |                                                                                                   |     |
| 11    |             |     |             |                 |              | light brown sand and silt, no gravel, hard clay, grey,<br>Soil sample @ 11' MW-29                 | N/D |
| 12    |             |     |             |                 |              |                                                                                                   |     |
| 13    |             |     |             |                 |              | Refusal @12' (11.75'). Bedrock encountered<br><br>Used rotary (tri-cone) bit with water to 16.75' | N/D |
| 14    |             |     |             |                 |              |                                                                                                   |     |
| 15    |             |     |             |                 |              |                                                                                                   |     |
| 16    |             |     |             |                 |              |                                                                                                   |     |
| 17    |             |     |             |                 |              |                                                                                                   |     |
| 18    |             |     |             |                 |              |                                                                                                   |     |
| 19    |             |     |             |                 |              |                                                                                                   |     |
| 20    |             |     |             |                 |              |                                                                                                   |     |

|                                                                                                  |                    |
|--------------------------------------------------------------------------------------------------|--------------------|
| <b>LEGEND</b><br>S- SPLIT SPOON SOIL SAMPLE<br>U- UNDISTURBED SOIL SAMPLE<br>C- ROCK CORE SAMPLE | Total depth 16.75' |
|--------------------------------------------------------------------------------------------------|--------------------|

GENERAL NOTES:  
 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.  
 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.





**415 ORCHARD STREET  
ROCHESTER, NEW YORK**

**PRE-DEVELOPMENT GEOTECHNICAL ASSESSMENT  
NOVEMBER 18 2011 DRAFT REPORT**

**1.0 INTRODUCTION**

This report outlines our Pre-Development Assessment for the 415 Orchard Street parcel in Rochester, New York. We base this evaluation on our review of U.S.G.S. and N.Y.S.D.O.T. topographic mapping; historic mapping; old building plans made available for our review, test boring and test pit exploration done as part of the environmental assessment; and consultation with the design team. We intend this report for the use exclusively in assessing geotechnical cost impacts on developing the parcel and conceptual layout of new building(s) on the parcel. A more detailed geotechnical evaluation is required for specific building layouts, designs, and loadings. This study is limited to the geotechnical aspects of the site development; the geo-environmental aspects are being addressed by others.

Lu Engineers retained Foundation Design, P.C. as part of their contract with the City of Rochester to provide the services outlined in our October 17, 2011 *Geotechnical Services Proposal, P2876.0R*. Our services included reviewing the existing information; spot-checking portions of the environmental drilling and reviewing the soil samples; evaluating the results; and developing a list of geotechnical impacts that could be considered a premium cost associated with developing this parcel as compared to a 'green' site. We agreed to submit this report outlining our findings and conclusions.

For this assessment, we have assumed that the future buildings will be less than 5-stories (60 feet) high. The structures envisioned for this parcel consist of three to four story wood-

framed residential housing, or steel-framed residential, office, manufacturing or commercial buildings. We have also assessed the possibility of installing a basement/below-grade parking.

Attached to the end of this text is an ASFE paper entitled *Important Information about Your Geotechnical Engineering Report* that you should read. It describes how we intend this report to be used and discusses risks and risk allocation. We will continue to work cooperatively with you and other interested parties to achieve win/win solutions.

## **2.0 SITE CONDITIONS/HISTORY**

415 Orchard Street lies in the western portion of downtown Rochester, New York. This is an older portion of the City whose development is multi-dimensional and dates back to at least the Erie Canal era. The parcel is roughly delineated by Orchard Street to the east, Whitney Street to the west, a railroad corridor and other industrial structure to the south, and industrial/retail structures and then Lyell Avenue to the north. The parcel contains the remains/debris from a demolished AC Delco plant. This includes some slab(s) on grade, tunnels crossing and connecting the former structures, and mechanical/utility space such as coal storage bins and a smokestack foundation. A multi-story brick structure remains in the southeast corner of the parcel. Opposite this is a large pile of brick and block rubble along with some debris. This material was reportedly generated from previous demolish activities including some undertaken as post-fire cleanup and site stabilization.

Historic mapping dating back to the late 1880's shows that development of this parcel was generally residential. Early in the 1900's the Rochester Lift Company occupied the southwest end of the site. By 1935 (AC) Delco has taken over the site, incorporating the Rochester Lift Company structure into their facility and adding other structures.

## **3.0 EXPLORATION AND TESTING**

As part of this study, we observed portions of the environmental investigation test borings, examined associated samples, and reviewed the (provided) test boring and test pit logs. Outlined

below are the test hole logs we reviewed. Their locations are plotted on the (Lu Engineers test boring location plan) and logs are included in (the appropriate Lu Engineering reports.)

- Oct/Nov 2008 Test Borings and Monitoring Wells done by Paragon.
- Oct 2008 Test Pits number TP-01 through TP-17 logged by Lu Engineers.
- March, 2011 Test Pits number TP-19 through TP-37 logged by Lu Engineers.
- July 2011 Plating Area borings PA-01 through PA-18 and other soil boring/monitoring well logs performed at this time by Nothnagle Drilling for Lu Engineers.

We point out that environmental exploration and sampling is undertaken to investigate and define potential contamination, not to define load-bearing capabilities of soil and bedrock strata. Sampling points are often focused around environmental areas of interest such as tanks, etc. that may occupy a small percentage of the overall site area. The sampling points may not include areas without suspected contamination but still relevant to the geotechnical classification of the site. Therefore environmental sampling protocols and procurement methods differ as well as the type of information recorded on test pit and soil boring logs. This evaluation is based on the environmental test hole data. While we have strived to interpret the soil strata descriptions in terms of their relevant geotechnical engineering properties there is still a fair amount of interpretation that introduces a higher degree of unknowns into the inferred soil profile. Again, this is a planning-level study, not a detailed geotechnical evaluation.

#### **4.0 SOIL, BEDROCK, AND GROUNDWATER CONDITIONS**

The following interpretations of the soil, bedrock, and groundwater conditions are based on the available data and our conclusions are subject to the limitations thereof. Variations from the inferred subsurface profile are possible, especially on this historically developed site. Call us immediately if such variations are found so we may evaluate the impact on our conceptual findings.

Soil conditions are somewhat variable and dependant upon previous development within the area under consideration. Fills consist of reworked native soil and/or debris. Fill depths vary between none to eight feet (former house basement at TP-34) to 13.7 feet (smoke stack foundation at PA-

DRAFT

06). As was customary, we expect that the AC Delco floor slabs were constructed over the previous construction such that areas of former houses likely contain poor quality fills. See the attached *Historical Usage Schematic Plan*.

Test holes indicate that beneath the fill is firm native silt/clay and then dense glacial till. The till was generally encountered between six and eight feet below grade. While the soil borings do not contain typical SPT N-values some of them show hammer blows to drive the sampler each four foot increment. This data generally classifies the upper silt/clay as 'firm' and the lower till as 'very dense'. The soil interface between the two native materials is loose/wet due to water perching above the dense glacial till soil. This condition is likely to fluctuate seasonally. Water will also perch within the fills or available void spaces.

Depth to bedrock varies with greater depth towards the southern portion of the site. Bedrock elevations appeared to be between elevation 505 and 500 in the northwest quadrant of the site, generally near 500 across the middle/diagonal of the site, and below 500 near the plating area. We do not know if this lower depth was a natural condition or if they blasted/fractured the rock to install the tanks. Bedrock is thickly to massively bedded dolomite with few shaley inclusions. The upper foot of the bedrock is weathered, the rock is hard and competent below this. Rock Quality, RQD, is typically 50 percent to percent.

## **5.0 CONCLUSIONS**

We judge that the debris-laden soil is not acceptable for support of new structures or floor slabs. While it appears to have served AC Delco's needs for floor slab support we conclude that this material will likely settle with time and new loads. Quantifying the amount of this material will be difficult with the multiple generations of previous development, additional test pit exploration could serve to reduce the level of uncertainty.

The upper firm and wet natural soil should be sufficient for support of modest structural loads.

The deeper dense glacial till soil can support more significant loads from multi-story, heavy structures such as the existing facility.

Bedrock depths should be deep enough to facilitate typical near-surface construction. Deep utilities or a basement may conflict with the bedrock and require mechanical fracturing. Likewise, the groundwater appears to be able to be handled using typical construction practices for near surface construction but may pose challenges for deeper work or permanent structures.

Based on these findings, we draw the following general conclusions/recommendations:

### **5.1 Site Preparation: Removal and Replacement**

It is our opinion that the in-place fill material is not suitable to support new construction. The in-place fill contains debris and sporadic areas where highly compressible ash and cinders have been deposited. This material would consolidate and compress under new structural loads, leading to unacceptable settlement of the structure and floor slabs. Expect to remove in-place fill from within any future building footprint. The extent of this removal is expected to coincide with the previous areas/types of previous construction. The best way to quantify this is to overlay previous development areas with new construction limits and then assume an expected removal depth. For planning purposes we suggest assuming that the older, pre-AC Delco development areas will require eight feet of removal and replacement. Near the AC Delco smokestack removal depth should be less than fifteen feet. Other AC Delco sub-slab features such as the utility tunnel, utility lines, or basement areas will require appropriate depths of removal. A review of either AC Delco plans or detailed historic mapping such as EDR/Sanborn Fire Insurance mapping may help better define these potential work items.

Backfill for these over-excavations should be a granular material such as sand and gravel or appropriately graded recycled concrete/bricks. The existing rubble pile contains debris from previous fires and site stabilization. Although using this material will require hand-

sorting to remove wood, etc. we believe that it will still yield a workable product. Newly created rubble from controlled demolition of the existing structure and slab, etc. is likely to be a more consistent and higher-quality product.

Utilizing a basement or partial basement could limit the quantity of structural backfill required but could also result in bedrock conflicts. Limit basement/foundation depths to less than seven feet in general or as specific boring logs indicate.

## **5.2 Foundation System: Spread Footings**

As this stage in project planning we expect that you will to utilize a spread footing foundation system. For near-surface footings (bear at typical frost depth) we expect that the footings will bear at low to moderate bearing pressures on the order of 2,000 psf. For deeper footings bearing at least eight feet  $\pm$  below grade, the design pressure could easily be double or triple that value.

If the new construction consists of very heavy loads (greater than 400 kips) then consideration should be given to a deep foundation system. Plan for a drilled shaft system bearing at a depth of fifteen to twenty feet below grade at a bearing pressure of seven to ten tons per square foot. Again, this system would only be utilized to reduce the size of the near-surface foundations for project economics.

## **5.3: Seismic Considerations**

According to the 2010 NYS Building Code seismic hazard mapping for a Site Classification of B, structures in Rochester, New York may experience short dynamic period spectral accelerations ( $S_s$ ) of 0.164g and 1-second period spectral response accelerations ( $S_1$ ) of 0.060g. We recommend assuming a seismic site classification of C (dense soil) in your conceptual estimating. Slab/basement and bedrock elevations could improve this to a site classification of A (hard rock).



#### **5.4 Pavement/Sidewalk Measures**

Where asphalt and concrete pavements or sidewalks are placed over the in-place fill, owners and developers should expect less-than-typical time before cracking, waviness, 'bird-baths', and potholes start to form and maintenance is required. Due to the potential exorbitant costs of removing and replacing this material, we recommend that developers/future owners accept these risks.

For your preliminary estimating, we suggest budgeting for a slightly thicker than "normal" pavement, say 1.5 inches of asphalt top, 2.5 inches of asphalt binder, and 15 inches of crusher-run stone subbase. To extend the life and improve expected pavement performance, budget to install a geogrid similar, to Mirafi BXG-12, under the pavement and sidewalk subbase layers. Some undercutting and/or reworking of unsuitable fill will be required to remove the large debris from within the top 24 inches of the pavement subgrade; plan to backfill areas undercut with suitable on-site soil.

Plan for pavement slopes of at least 2.0 percent. Install weeps at low points in the pavement to facilitate drainage out of the granular subbase and into the stormwater system. Plan for higher maintenance costs associated with these pavements.

#### **5.5 Premium Cost Items**

The following is a list of premium cost items for redevelopment of this parcel as compared to construction on a 'green' site.

##### **Structural/Design Costs**

- Removal/hoe-ramming of existing structure, slab, and buried foundations
- Off-site disposal of excavated materials (foundations/utility trenches/debris-laden fill)
- Processing of rubble/import of structural fill for undercut backfill
- Thicker pavement and sidewalk sections including geogrid

##### **Geotechnical Construction Oversight Costs**

- Full-time site presence during fill removal/replacement
- Periodic site visits during the pavement/sidewalk subgrade preparation work

## **5.0 CLOSURE**

The conclusions outlined in this Pre-Development Geotechnical Assessment are provided with our limited information on the final uses of this parcel. We point out that additional geotechnical exploration, testing, and/or engineering analysis will be required after the building locations, sizes, design loads, and site grading have been established. Call if you have questions regarding our interpretations of the soil, bedrock, and groundwater conditions as you develop concepts to develop this parcel. We look forward to hearing from you again as potential developers assess options for developing this parcel.







# Foundation Design, P.C.

SOIL • BEDROCK • GROUNDWATER

December 22, 2011

Lu Engineers  
175 Sully's Trail  
Corporate Crossings Office park  
Pittsford, New York 14534

Attention: Greg Andrus, CHMM  
Environmental Division Director

Reference: 415 Orchard Street, Rochester, New York  
Pre-development Investigation  
DRAFT Earthwork Cost Estimate, 3546.0

Dear Mr. Andrus:

This letter is our formal submission of our *Opinion of Probable Earthwork Costs* for the 415 Orchard Street parcel. This *Opinion of Probable Earthwork Costs* is based on remediation of the entire parcel. In estimating these costs, we have made the following assumptions:

- The proposed grades will be near existing.
- Shallow unsuitable fill was identified intermittently in the environment test logs. We estimate that the amount of unsuitable material averages 6-inches (0.5 feet) across the entire site.
- Tunnels and old house basements have been filled with unsuitable material that will be removed from the site. (see the attached sketch)
- Proposed buildings will be supported on shallow spread foundations with slab-on-grade floors.

Other clean up costs that were not included in our estimate include the following:

- Demolition of the existing building.
- Environmental clean up.
- Removal and/or processing of remaining stockpiled rubble

## Opinion of Earthwork Cost for 415 Orchard Street

### Undercut areas

|                        |                                                                      |
|------------------------|----------------------------------------------------------------------|
| Orchard St. Basements: | 234 ft x 40 ft x 6 ft deep = 56,000 cubic ft<br>2,080 cubic yards    |
| East-West Tunnel:      | 290 ft x 15 ft x 8 ft deep = 34,800 cubic ft<br>1,289 cubic yards    |
| North-South Tunnel:    | 150 ft x 35 ft x 8 ft deep = 42,000 cubic ft<br>1,556 cubic yards    |
| Vaults and Tanks:      | 3 @ 20 ft x 20 ft x 12 ft deep = 14,000 cubic ft<br>533 cubic yards  |
| General Shallow Fills: | 300 ft x 500 ft x 0.5 ft deep = 75,000 cubic ft<br>2,778 cubic yards |

Total Yards of Removal = 8,236 cubic yards

Cost for Removal of unsuitable fill est: \$22/cubic yard

**Total cost of Removal = \$181,192**

### Concrete Processing

Concrete Slabs  
(32,125 ft<sup>2</sup>+27,500ft<sup>2</sup>+11,000ft<sup>2</sup>+25,800ft<sup>2</sup>+15,300ft<sup>2</sup>) x 0.5 ft thick  
= 55,887 cubic ft

Concrete Foundations (exterior)  
(730 + 900 + 1075) lineal feet x 6 ft<sup>2</sup> (4 foot wall with 3 foot foundation)  
= 16,230 cubic ft

Concrete Foundations (Interior)  
290 est. foundations averaging 9 ft<sup>3</sup> = 2,610 cubic ft

Total Yards of Removal = 2,768 cubic yards



**Foundation  
Design, P.C.**

SOIL • BEDROCK • GROUNDWATER

Cost for concrete processing and placement est: \$25/cubic yard

**Total cost of Concrete Processing = \$149,472**

**Rubble Processing (for excavation backfill)**

Balance of backfill necessary after concrete processing 8,236 + 698 (foundation removal excavations) - 2,768

= 6,167 cubic yards

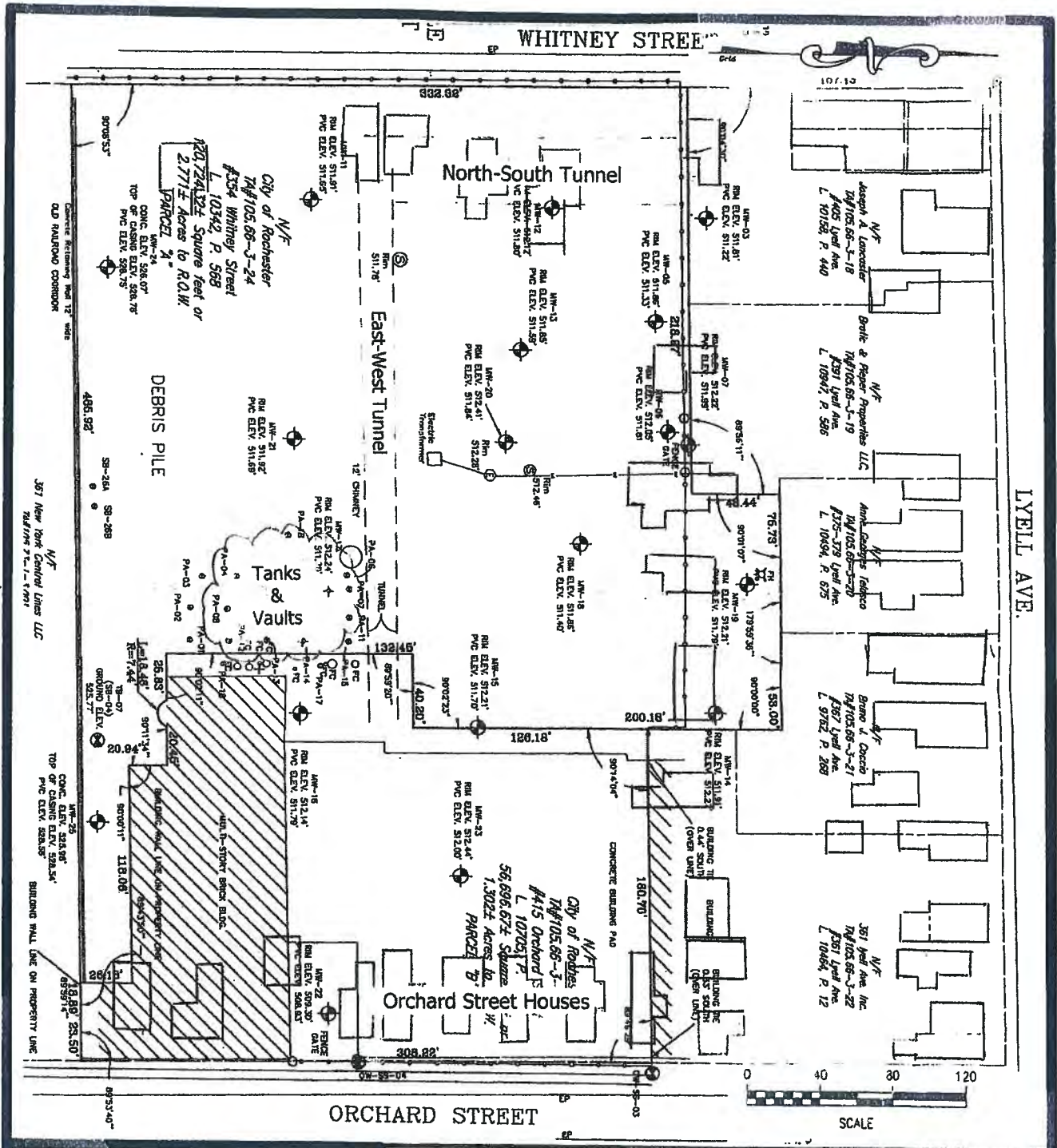
Cost for processing and placement of rubble est: \$9 cubic yard

**Total Cost of Rubble Processing = \$55,503**

**Oversite and Inspection**

Four week of engineering and soils/lab testing = **\$20,000**

**Total Earthwork Cost: \$406,149**




**Foundation Design, P.C.**

335 Colfax Street  
 Rochester, New York 14606  
 Phone (585) 458-0824  
 FAX (585) 458-3323

**Pre-Development 415 Orchard Street**  
 415 Orchard Street, Rochester, New York  
**Subsurface Structure Sketch**  
 Adapted from: Lu Engineers "Boundary Survey Map"  
 Dated: 8-12-11

CHECKED BY: JMB  
 DATE: 12/23/11

DRAWN BY: SCA  
 Scale NA  
 JOB NO.: 3546.0



# ORCHARD-WHITNEY PROPERTY

## Geotechnical Testing Summary Report

City of Rochester  
Monroe County, New York

Prepared for:

City of Rochester



Prepared by:

Barton & Loguidice, D.P.C.



October 2016



ORCHARD-WHITNEY PROPERTY  
CONSTRAINTS ANALYSIS

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| APPENDICES:    |                                       |             |
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| Appendix B     | Concrete Core Report                  |             |
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## 1.0 INTRODUCTION & BACKGROUND

The City of Rochester has identified the marketing and development of prime industrial and commercial opportunities as a priority in the larger economic development strategy for the LYLAKS Brownfield Opportunity Area (BOA). Specifically, the development of a vacant portion of land on the former Delco Appliance Division of General Motors site in the City has become a high priority due to its central location in the JOSANA neighborhood and its proximity to downtown Rochester.

The Site is a 3.9-acre site located at 415 Orchard Street and 354 Whitney Street in the City of Rochester. The Site includes mixed commercial and industrial uses. A seven-story structure was the last remaining building to be demolished at 415 Orchard Street. Structures previously occupying 354 Whitney Street were demolished due to the unsafe condition of the buildings.

Currently, the Site is a fenced vacant lot primarily covered with concrete slabs and building demolition debris. A large berm comprised of brick, concrete, and other demolition debris is located on the southern and western edge of the Site adjacent to the existing railbed to the south. The Site is bordered by Orchard Street to the east, a former railroad right-of-way to the south (currently planned as the JOSANA Rail Trail), Whitney Street to the west, and commercial buildings to the north.

B&L's geotechnical investigation of the Orchard-Whitney site was conducted using a two-part process. The initial evaluation of existing plans, reports, and environmental records outlined a series of unknowns that were still present at the site. A further site investigation provided clarification as to the design parameters for future development. The objective of this document is to clearly summarize findings associated with the evaluation of the geotechnical constraints for prospective purchasers whom are interested in developing the site for industrial, commercial, or secondary purposes.



## 2.0 INITIAL FINDINGS

The Orchard-Whitney site consists generally of a fill layer and native soil layer overlaying rock. Through most of the site the rock is between 8 and 16 feet below the surface. The fill and native material is generally poorly consolidated and can resist low to moderate loadings (2500-3500 psf). The rock is competent bedrock that can accommodate a bearing pressure of 24 ksf. The site has numerous foundations and tunnels still in place from previous development at the site. These foundations have the potential to present a significant constraint to future development. After the initial review of record information, the configuration and condition of these foundations was unknown. As such, it was determined that further investigating the foundations was warranted in order to provide additional information to potential developers in an effort to remove some of the uncertainties that currently exist.

The foundations consist of slab foundations presumably on piles to rock. The foundations consist of the first floor slabs after the remaining floors of the buildings have been demolished. A portion of the debris from the building demolitions is spread over the entire site with a large stock pile along the southern border of the site. Without further investigation, the existing capacity of the foundations cannot be determined. Given that the existing foundations cover a majority of the site, a further investigation was pursued by the City.



### 3.0 ADDITIONAL INVESTIGATION RESULTS

In order to reduce the uncertainties at the site, additional invasive investigation was performed. There were two elements that required further investigation; the building foundations, and the tunnels. The approach to each element is described below.

#### Building Foundations

B&L utilized a three pronged approach to obtain as much information as possible regarding the foundations.

- i. The first task was to core the concrete of the slabs at each foundation and perform compression tests on the samples. This provided the relative concrete strength of the floor slabs.
- ii. The second task was to utilize Ground Penetrating Radar (GPR) on representative samples of the slab to determine reinforcement layout and slab thickness.
- iii. The final component was to remove 2 foot by 2 foot test panels of the slab. The GPR can determine the reinforcement spacing, but cannot accurately determine the size of the rebar. The test panels allowed us to verify concrete thickness, reinforcement size, and reinforcement spacing.

#### Tunnels

B&L performed exploratory digs to determine the location of the tunnels. As part of these digs, GPR was performed at two locations to determine slab thickness and reinforcement spacing.

The results of the testing allowed better definition of the capacity of the existing foundations. The capacity of the existing foundations is as follows:

#### Building Foundations

4"-10" thick

Rebar: minimal or none at all

f'c: 2300psi minimum

*Allowable Load: 0 psf to 250 psf*

#### Tunnels

Slab: 6" thick minimum

Rebar: Unknown dia. With 1.5" cover and 6" spacing. Assume #6 bar (Assume  $f_y = 36\text{ksi}$ )

f'c: 2300psi (Untested location, assume minimum strength of tested samples)

*Allowable Load: 330psf or 23.1kip point load*



The surface of all of the slabs is weathered and distressed. A new concrete slab is recommended in all locations as part of development. The new concrete slab would consist of a 6" thick slab with a single reinforcement mat (#6 @ 12" in each direction) to allow all of the foundations to be utilized for proposed heavy manufacturing use equivalent to 250 psf. The tunnels can support an H-15 wheel load, but would require additional reinforcement to handle tractor trailer traffic. Proposed buildings can be built over the tunnels by utilizing an 8" thick slab with reinforcement. Piles would be placed either side of the tunnel, where necessary to carry the proposed load to bedrock.





#### 4.0 OPPORTUNITIES AND CONSTRAINTS

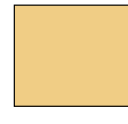
The Orchard-Whitney property has been evaluated to determine the geotechnical opportunities and constraints. The City of Rochester has performed additional investigation to clarify the subsurface conditions to better provide the constraints for a proposed development. The existing slabs can be reused, but would require a new 6" thick slab to be placed over them to add capacity as well as provide the desired finished surface. In areas where no slab exists, piles will be driven to rock and a new 8" thick slab poured. The existing tunnels on the site can facilitate moderate traffic without reinforcement and can be bridged over with building slabs to maximize use of the site. All of this can be performed at comparable costs as developing the foundation on a previously undeveloped site. There is one location on the site along the south property line where there are unknown subsurface conditions as well as contaminated materials present. This portion of the site should be avoided.

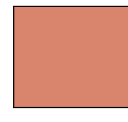
The attached figure shows the location of the existing tunnels and slabs.


**DEVELOPABLE:**  
Approximately 3.55 Acres

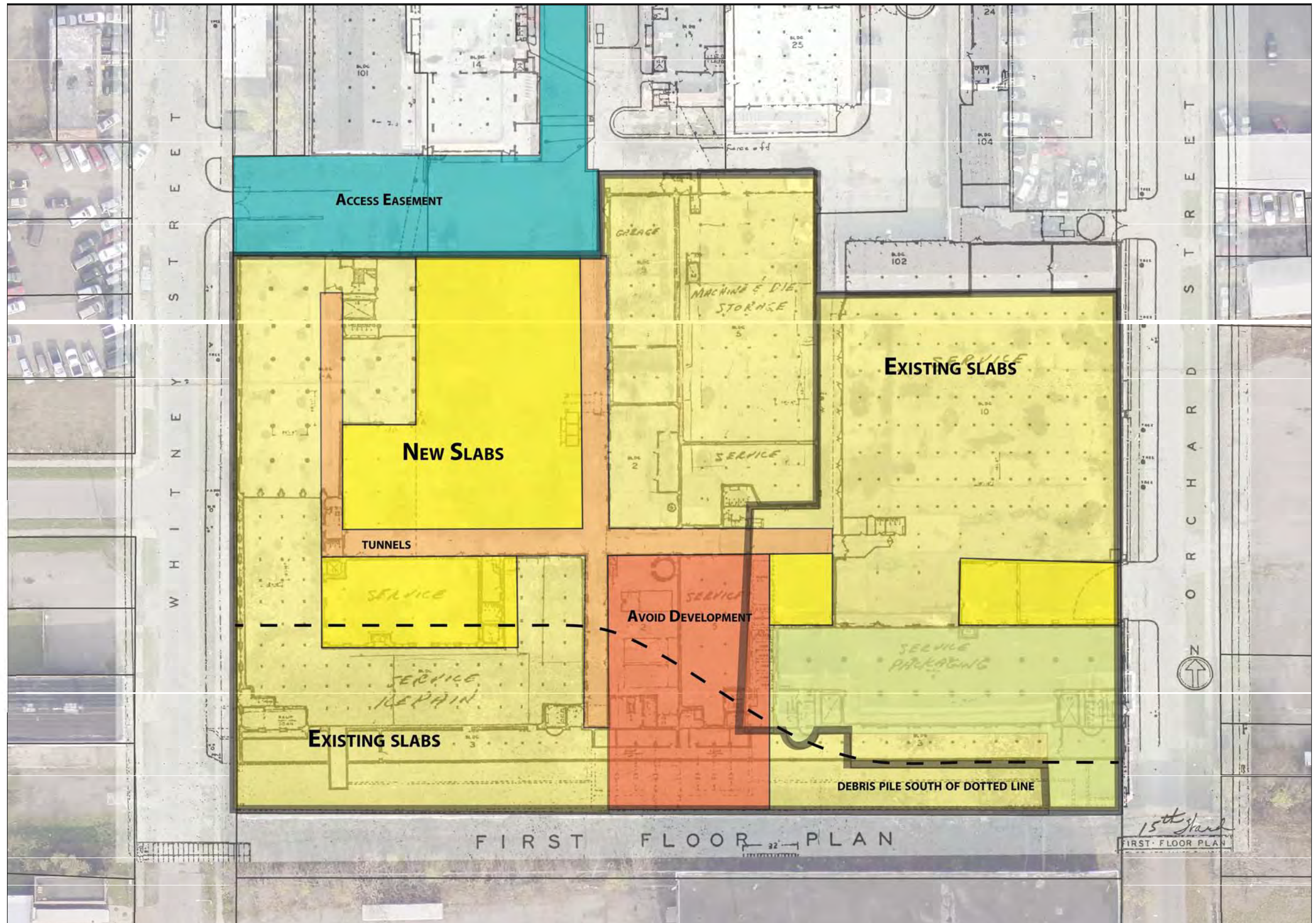
 **Existing slabs** require 6" +/- slab  
Note: Existing first floor slabs shown in drawing are present at the site.

 **New slabs** require 8" +/- slab with short piles to rock

 **Tunnels**  
Can accommodate H15 axle loading  
Buildings require 8" +/- slab to span tunnels

 **Avoid Development**  
Approximately .35 acres  
Unknown subsurface conditions with contaminated materials

 **Access Easement**  
Permanent Easement from Whitney Street



**ORCHARD WHITNEY SITE REDEVELOPMENT**

City of Rochester • Monroe County • New York

**FIGURE •**

April 2016



## **Appendix A**

### **Geophysical Investigation**

**415 ORCHARD STREET  
ROCHESTER, NEW YORK**

**GEOPHYSICAL INVESTIGATION**

***Prepared for:***

Barton & Loguidice, DPC  
443 Electronics Pkwy,  
Liverpool, NY 13088

***Prepared by:***

Spectra Subsurface Imaging Group, LLC  
19 British American Boulevard  
Latham, New York 12110

**August, 2016**



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## FIGURES

|                 |                                                   |
|-----------------|---------------------------------------------------|
| <b>FIGURE 1</b> | <b>DATA COLLECTION – POINT TARGET (IN TEXT)</b>   |
| <b>FIGURE 2</b> | <b>DATA COLLECTION – LAYERED SYSTEM (IN TEXT)</b> |
| <b>FIGURE 3</b> | <b>GPR INVESTIGATION AREAS</b>                    |

## **1.0 INTRODUCTION**

At the request of Barton & Loguidice, DPC, Spectra Subsurface Imaging Group, LLC (SPECTRA) performed a geophysical investigation on August 9, 2016 at 415 Orchard Street, New York. The purpose of this survey was to non-intrusively investigate several floor slabs for reinforcement and slab thickness. Six representative areas were chosen for investigation by a Barton & Loguidice representative. Five of the investigation areas were 10 ft. x 10 ft. and one of the areas was 6 ft. x 8 ft.

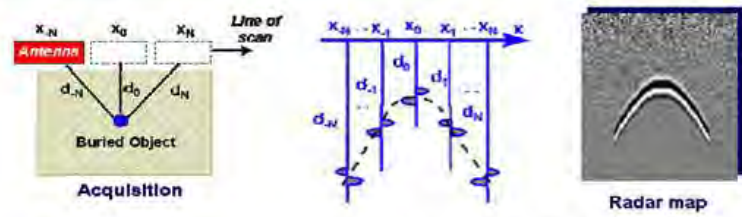
## **2.0 GEOPHYSICAL SURVEY PROCEDURE**

### **2.1 GEOPHYSICAL INVESTIGATION INSTRUMENTATION**

To investigate the areas, SPECTRA used 1600 MHz and 400 MHz, single channel ground penetrating radar (GPR) antennae. These GPR antennae produce two dimensional (length and depth) cross sections. Maximum depth penetration of the 400 MHz antenna is approximately 8 feet depending on subsurface conditions. Maximum penetration depth of the 1600 MHz antenna is approximately 1.0 to 1.5 feet depending on subsurface conditions.

GPR utilizes high frequency electromagnetic waves that are directed into the ground by a transmitting antenna. Radar reflections are produced in the subsurface at material boundaries that have differing electrical properties. These subsurface reflections return back to the surface and are detected by a receiving antenna. Figure 1 illustrates a schematic radar signature that is commonly observed in recorded profiles and illustrates the reflection response that is characteristic of a small subsurface object such as a round reinforcement bar. Since the subsurface object in this example has a curved surface, radar reflections will be received from the top of the object and from both sides as the antenna passes over the feature. As a result, the radar signature is parabolic in nature and is commonly referred to as a ‘diffraction hyperbola’. Figure 2 shows the reflection response typical of a layered system. Generally horizontal features such as a flat structure may produce a radar response similar to Figure 2. This is the expected type of response that would represent the subsurface interface at the base of a concrete slab.

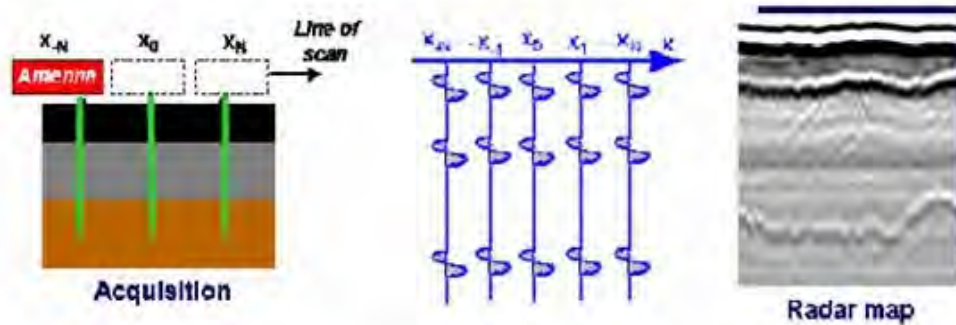
**Figure 1 – Data Collection – Point Target**



The transmitter generates a radar wave. Reflected energy is captured by a receiving antenna. Data captured by the receiver is processed into images and the output is displayed on a computer monitor.

Figure 1 illustrates how a point target creates a diffraction hyperbola. Because the radar signal is emitted in a cone shape, the antenna unit begins to detect the subsurface object before it is directly beneath the antenna and continues to detect the object after it has passed. The oblique segments travel a longer path compared to those from directly over the target, and thus the object appears deeper, forming the "legs" of the hyperbola.

**Figure 2 – Data Collection – Layered System**



- The reflection of radar waves occurs at layers due to the change in material and electrical properties.
- Position and depth information is determined by the distance traveled along the line of scan and the travel time of the reflection.

## **2.2 DATA COLLECTION METHODOLOGY**

All geophysical investigation data were collected on August 9, 2016 in areas designated by B&L representatives in Rochester, New York. B&L personnel identified the areas of interest. GPR data were collected in an approximately 10 ft. x 10 ft grids. The six areas were unevenly spaced around the property and their general locations are shown in Figure 3. A reference point was marked in the northeast corner of each grid in the field using a pink dot with a circle and an 'x'. Six GPR transects were collected with the 1600 MHz antenna in each area. These transects were established in a perpendicular grid, three in each direction. In addition, two perpendicular transects were also collected with the 400 MHz antenna in each area. The GPR data was recorded in the field for later processing and interpretation in the office.

## **3.0 DATA INTERPRETATION**

### **3.1 GENERAL DISCUSSION**

Radar signatures from the GPR survey transects were reviewed for reflections that could indicate the location of potential reinforcement and slab thickness. Prior to interpretation, the GPR data were processed using RADAN (a commercially available program developed by Geophysical Survey Systems, Inc.). Data processing steps included enhancing the radar signature of the targets by adjusting the signal amplitude and removing background noise. Since the radar reflections are recorded by their travel time into and back from the subsurface, depths were estimated based upon derived electrical properties (dielectric constant) of the subsurface. The dielectric constants used for this survey were determined using the "migration" processing procedure. The data from the 1600 MHz antenna was excellent. Data quality was generally good with the 400 MHz antenna, although dense reinforcement in some areas reduced signal quality.

Analysis of GPR data revealed a variety of subsurface conditions in each representative location. An overview of the investigation locations can be seen in Figure 3. Information regarding slab thickness, characteristics of reinforcement, and other useful information in each area is compiled in Table 1.

**Table 1:** Results of GPR investigation.

| Investigation area | Slab Thickness                                                       |         |                           | Reinforcement                 | Notes                                                                                                                           |
|--------------------|----------------------------------------------------------------------|---------|---------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
|                    | Range                                                                | Typical | Interpretation Confidence |                               |                                                                                                                                 |
| NE Corner          | 0.35 ft. - 0.5 ft.                                                   | 0.4 ft. | High                      | No Rebar                      | Possible Basement - Well defined Slab bottom                                                                                    |
| Northern           | 0.7 ft. - 0.85 ft.                                                   | 0.8 ft. | Medium                    | Heavily Reinforced            | 3 layers of perpendicular rebar at depths 0.2 ft, 0.4 ft, and 0.65 ft. Spacing 0.5 ft.                                          |
| E-W Tunnel         | 0.6 ft. - 0.7 ft.                                                    | 0.6 ft. | Low                       | One Perpendicular Rebar Layer | 1 layer of rebar at depths 0.3 ft. - 0.5 ft. Spacing 0.5 ft.                                                                    |
| Center Site N-S    | ----                                                                 | 1.8 ft. | Medium                    | One Perpendicular Rebar layer | 1 layer of perpendicular rebar at depths 0.1 ft. - 0.25 ft. with Spacing of 0.4 ft.; and depth 0.25 ft. with Spacing of 1.0 ft. |
| NW                 | 0.5 ft. - 0.6 ft.                                                    | 0.5 ft. | High                      | No Rebar                      | Well defined floor slab                                                                                                         |
| SW                 | North side:<br>0.5 ft. - 0.6 ft.<br>South Side:<br>0.7 ft. - 1.0 ft. | ----    | Low                       | No Rebar                      | Inside of slab looks irregular - may be fractured or in poor condition towards the base                                         |

#### 4.0 CONCLUSIONS

SPECTRA performed a geophysical survey at 415 Orchard Street in Rochester, New York on August 9, 2016. The primary purpose of the survey was to investigate the physical characteristics of several foundation slabs. GPR data quality was generally good to excellent. Reinforcement characteristics and slab thickness were determined in each location.

SPECTRA performed this survey with standard geophysical equipment (approved by the FCC) and trained professionals. However, these techniques are non-intrusive and may not fully detect all subsurface features depending upon site-specific conditions.

## **FIGURES**





## **Appendix B**

### **Concrete Core Report**



# ATLANTIC TESTING LABORATORIES

WBE certified company

## DRILLED CONCRETE CORE REPORT NUMBER RT1430CC-01-08-16 ASTM C 42

CLIENT: C. P. Ward, Inc.  
PROJECT: B & L Orchard Street - USA  
CONTRACTOR: Not Provided  
PLACEMENT LOCATION: Not Provided  
DISPATCH NO.: N/A

CONCRETE PLACEMENT DATE(S): Not Provided  
DAILY CONCRETE REPORT NUMBER(S): N/A  
CONCRETE CORING DRILLING DATE: August, 2016  
CONCRETE CORES REQUESTED BY: C. P. Ward Inc.  
CONCRETE CORES OBTAINED BY: C. P. Ward Inc.

### LABORATORY DATA (ASTM C 39, C 42, and C 617)

| Core I.D. | Date of Test | Age (days) | Drilled Core Length (in.) | Depth of Core Tested* (in.) | Uncapped Core Length (in.) | Capped Core Length (in.) | Average Core Diameter (in.) | Length to Diameter Ratio | Core Area (in. <sup>2</sup> ) | Calculated Density (pcf) | Total Load (lbs.) | Strength Correction Factor | Unit Load (psi) | Notes                                                                       |
|-----------|--------------|------------|---------------------------|-----------------------------|----------------------------|--------------------------|-----------------------------|--------------------------|-------------------------------|--------------------------|-------------------|----------------------------|-----------------|-----------------------------------------------------------------------------|
| C-1       | ---          | *          | 4.8                       | N/A                         | ---                        | ---                      | ---                         | ---                      | ---                           | ---                      | ---               | ---                        | ---             | Mesh, fracture approximately 2.5 inches below top.                          |
| C-2       | 8-19-16      | *          | 7.5                       | 3-3-7                       | 4.0                        | 4.28                     | 3.71                        | 1.15                     | 10.80                         | 142                      | 77,260            | 0.90                       | 6440            | Overlay with Mesh at 2 inches depth, substrate with mesh at 6 inches depth. |
| C-3       | 8-19-16      | *          | 6.5                       | 0.5-6                       | 4.6                        | 5.08                     | 3.71                        | 1.37                     | 10.80                         | 131                      | 26,770            | 0.95                       | 2350            | Porous, round aggregate poorly bonded. Labeled SW.                          |
| C-4       | 8-19-16      | *          | 5.5                       | 0.3-4.8                     | 4.5                        | 4.89                     | 3.71                        | 1.32                     | 10.80                         | 141                      | 91,820            | 0.94                       | 7990            | Labeled NW.                                                                 |

### REMARKS

\*The age of the concrete represented by the cores was not provided.  
No defects were noted in any of the caps. Core C-1 was fractured in the horizontal plane at approximately 2.5 inches depth. Core C-2 consisted of an overlay over substrate, which had delaminated.  
Core C-1 did not meet the minimum length to diameter requirement of 1:1 specified in ASTM C42, and was not tested.  
The nominal maximum aggregate size of the coarse aggregate noted was 1/2 inch for cores C-1, C-2, and C-4, and 1 inch for core C-3.  
The cores were tested as received.  
Coring was performed in the vertical direction.

Reviewed by:

Date:

8/24/16

APPENDIX C

Site Photographic Documentation























































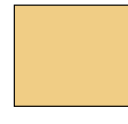
## APPENDIX D

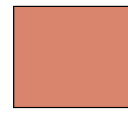
### Supporting Documentation


**DEVELOPABLE:**  
Approximately 3.55 Acres

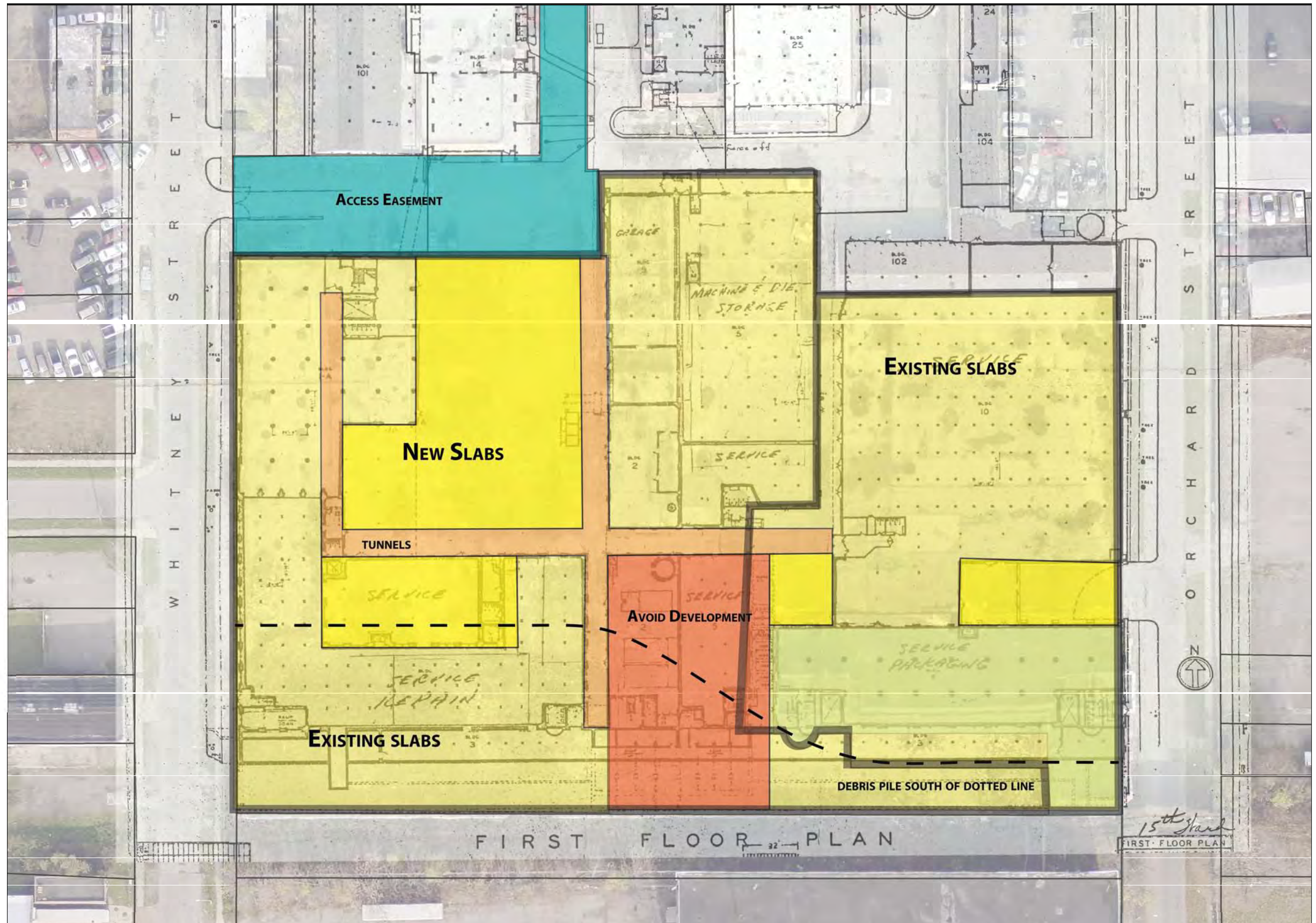
 **Existing slabs** require 6" +/- slab  
Note: Existing first floor slabs shown in drawing are present at the site.

 **New slabs** require 8" +/- slab with short piles to rock

 **Tunnels**  
Can accommodate H15 axle loading  
Buildings require 8" +/- slab to span tunnels

 **Avoid Development**  
Approximately .35 acres  
Unknown subsurface conditions with contaminated materials

 **Access Easement**  
Permanent Easement from Whitney Street



**ORCHARD WHITNEY SITE REDEVELOPMENT**  
City of Rochester • Monroe County • New York

**FIGURE •**  
April 2016



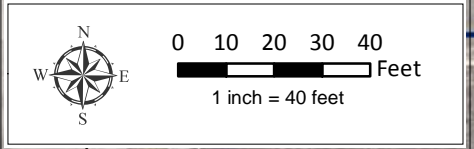
Lasalle  
Whitney

Orchard

Dig in several locations to verify location and perform visual of condition.

Excavate to remove steel plates, observe and replace plates.

77 38'7.834" W  
43 9'48.972" N



DATE: AUGUST 2016  
 SCALE: AS NOTED  
 DRAWN/CHECKED: SMK/GLA  
 DATA SOURCE:  
 PICTOMETRY



415 ORCHARD STREET  
 PLATE COVER LOCATION MAP  
 ERP SITE #E828123  
 ROCHESTER, NY



Site access off Orchard Street

Steel Panels to be placed over test panels when complete  $\Rightarrow$  Not needed

- 1 Test Panel per Foundation
- 1 Core per Foundation
- 1 GPR 10'x10' per foundation
- 1 GPR 10'x10' @ E/W Tunnel
- 1 GPR 10'x10' @ Center N/S Tunnel

Day 1: CP Ward on site @ 7:15, off site @ 1:30 (1 operator)  
 Spectra (GPR) on site @ 10:30, off site @ 1:00

- Foundations cleared
- Tunnels located and cleared
- GPR
- Back Filling as necessary
- Panel and core layout

Day 2 CP Ward on site @ 8:5, off site @ 3:00 (2 laborers)

- Test panels: 1<sup>st</sup> @ 10:30, 2<sup>nd</sup> @ 12:30, 3<sup>rd</sup> @ 1:00, 4<sup>th</sup> @ 2:30
- Cores: 1<sup>st</sup> @ 11:00, 2<sup>nd</sup> @ 12:30, 3<sup>rd</sup> @ 1:30, 4<sup>th</sup> @ 2:45

Foundation 1: (NE)

First core split along plane of mesh reinf., completed 2<sup>nd</sup> core with same result  
 Mesh Reinf.:  $\frac{1}{8}$ " smooth mesh @ 3" depth and 2" spacing (lat., long.), Slab: 4" on soil

Foundation 2: (N Center)

First core split @ 2 $\frac{1}{2}$ " depth  
 Mesh Reinf.:  $\frac{1}{8}$ " smooth mesh @ 5 $\frac{1}{2}$ " depth and 6" spacing, Slab: 8" on soil

Foundation 3: (NW)

No core split  
 Mesh Reinf.: None, Slab: 6" on soil

Foundation 4: (SW)

No core split  
 Mesh Reinf.: None, Slab: 5" on soil



# **City of Rochester New York Developers Guide**

## **INTRODUCTION: The Development Process**

Clean air, pure water, unpolluted land, accessible streets, and safe, sound and attractive buildings are among the expectations of the people of Rochester. Residents recognize that development and rehabilitation projects are both necessary and desirable. To meet these goals, the City encourages and assists prospective developers and enforces environmental, zoning and construction standards. This document describes permits required and review processes most frequently involved with major construction and rehabilitation projects in the City of Rochester. The document is organized by department and agency, with the permits and reviews each administers, listed and explained. The City has simplified its development review and approval process by creating a Centralized Permit Office located in Room 121B of City Hall. In this one location, a developer may apply for a variety of permits, thus reducing the number of offices to be visited.

Included in this document is a flowchart which graphically represents the overall review process from beginning to end. To expedite this process, all steps on the same horizontal level should be completed simultaneously. Referring to the chart, all areas (except STATE & COUNTY ENVIRONMENTAL REVIEWS) make use of the Central Permit Office and applications for each step of the process may be obtained there. A department directory appears at the end of this document. You can use either the chart or the table of contents below to follow the development process with the City of Rochester.

For information on development possibilities, contact the Department of Economic Development (industrial) at (585) 428-6965 or the Bureau of Buildings and Zoning at (585) 428-6526.



## DEVELOPMENT PROCESS IN THE CITY OF ROCHESTER, NEW YORK

|                                                                                                                                                                                                      |                                                                                                          |                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| OPTIONAL DEVELOPMENT CONFERENCE WITH BUREAU AND AGENCY REPRESENTATIVES                                                                                                                               |                                                                                                          |                                                                             |
| APPLICATION FOR CERTIFICATE OF ZONING COMPLIANCE                                                                                                                                                     |                                                                                                          |                                                                             |
| <p style="text-align: center;">STATE &amp; COUNTY<br/>ENVIRONMENTAL REVIEW<br/>Monroe County Pure Waters<br/>Monroe County Department of Health<br/>NYS Department of Environmental Conservation</p> | <p style="text-align: center;">CITY ZONING AND ENVIRONMENTAL REVIEWS<br/>Division of Zoning</p>          |                                                                             |
| ISSUANCE OF CERTIFICATE OF ZONING COMPLIANCE                                                                                                                                                         |                                                                                                          |                                                                             |
| BUILDING AND CONSTRUCTION REVIEWS                                                                                                                                                                    |                                                                                                          |                                                                             |
| <p style="text-align: center;">DEPARTMENT OF COMMUNITY DEVELOPMENT<br/>Building Code Review<br/>Plumbing Code Review<br/>Electrical Permits<br/>Elevator Permits</p>                                 | <p style="text-align: center;">DEPARTMENT OF ENVIRONMENTAL SERVICES<br/>Engineering Services Permits</p> | <p style="text-align: center;">FIRE DEPARTMENT<br/>Fire Safety Division</p> |
| ISSUANCE OF BUILDING PERMIT                                                                                                                                                                          |                                                                                                          |                                                                             |
| INSPECTION OF CONSTRUCTION & ISSUANCE OF CERTIFICATE OF OCCUPANCY BY THE BUILDING INSPECTION DIVISION                                                                                                |                                                                                                          |                                                                             |

---

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Introduction: The Development Process Flowchart

## ZONING AND ENVIRONMENTAL REVIEWS

Bureau of Buildings and Zoning/Division of Zoning

Certificate of Zoning Compliance

Site Plan Review

Zoning Variance

Rezoning (Zoning Map Amendment)

Special Permits

Certificate of Appropriateness

Subdivisions

Official Map Amendments

Environmental Assessment

Monroe County Pure Waters

Monroe County Department of Health

NYS Department of Environmental Conservation (DEC)

NYS Department of Health

## BUILDING CONSTRUCTION

Department of Environmental Services (DES)

New Streets

Street Opening Permits

Stake Outs

Excavation Permits

Other Permits

Department of Community Development, Plan Review and Inspection Division

Building Permits

Plumbing Permits

Electrical Permits

Fire Safety Permits

Elevator Permits

Demolition Permits

Certificate of Occupancy

# ZONING AND ENVIRONMENTAL REVIEWS

---

## Department of Community Development Bureau of Buildings and Zoning/Division of Zoning Room 125B, City Hall (585) 428-7043

### **Certificate of Zoning Compliance (Zoning Code: Section 120-189)**

Prior to applying for building permits, the developer submits plans and completes an application for a Certificate of Zoning Compliance (CZC). If the project complies with all zoning standards, the application is approved and the developer may then proceed with application for building and construction permits. If the application is denied, the developer may choose to revise the plans or pursue one or more of the following special processes: site plan review, variance, special permit, certificate of appropriateness, etc. Most of these processes would require the filing of an Environmental Assessment Form (EAF).

### **Site Plan Review (Zoning Code: Section 120-191D)**

Site Plan Review is the examination of the design elements of development proposals to ensure that a project does not adversely affect the site or adjacent properties. It is also a vehicle to assist applicants by alerting them to any deficiencies which should be corrected prior to development. Most major projects are subject to this review. Typically, the process requires submission of detailed site plans, landscape plans, building elevations, an Environmental Assessment Form and possible other information about the project, as required by the Director of Zoning.

If a proposal requires site plan review as well as another zoning special process such as a variance, special permit or Certificate of Appropriateness, the site plan review process precedes the public process. The Director of Zoning must issue Preliminary Site Plan Findings and Notice of Environmental Determination prior to the application for the special process.

The preliminary findings identify zoning requirements, project deficiencies and recommended modifications. These findings will accompany the required special process application for the Boards/Commission's review. The Final Site Plan Decision will incorporate any Board/Commission conditions.

### **Zoning Variance (Zoning Code, Section 120-195B)**

A variance is a procedure by which waivers of certain requirements of the Zoning Code are considered by the Zoning Board of Appeals. There are two types of variances: use variance and area variance.

The application should include floor plans, site plan, elevations and a copy of the preliminary site plan findings as issued by the Director of Zoning when site plan review is required. After plans and applications are submitted, the Zoning Board conducts a public hearing at which the applicant's attendance is required. The Board then votes to grant or deny the variance. A decision letter will be issued within ten (10) days of the Board's determination. Due to public notification requirements, the applicant should allow 6 - 8 weeks from the date the application is filed for the Board's decision. If the project requires site plan review, the applicant must wait for the Final Site Plan Approval letter issued by the Director of Zoning. The applicant must post a sign provided by the City, at least twenty (20) days prior to the meeting date.

### **Rezoning (Zoning Map Amendment) (Zoning Code: Section 120-190C)**

This process involves a revision of an area's zoning classification and requires City Council approval.

After the application is submitted, the City Planning Commission holds a public informational meeting, at which the applicant's presence is required. The Commission then makes a recommendation to City Council. City Council conducts a public hearing and votes on the proposal to amend the Zoning Map. The applicant should allow 10-12 weeks for the entire process. The applicant must post a sign provided by the City, at least twenty (20) days prior to the meeting date.

### **Special Permits (Zoning Code: Section 120-192B)**

For certain permissible uses which may have a special impact, the developer must obtain a special permit. A site plan review is required for every special permit application. The application typically includes site plans, floor plans, landscape plans, building elevations, an Environmental Assessment Form and a copy of the Preliminary Site Plan Findings issued by the Director of Zoning. After the plans and a completed application are submitted, the City Planning Commission conducts a public hearing which the applicant or designated representative must attend. Subsequent to the public hearing the Planning Commission makes a decision. A decision letter will be issued within one (1) week of the Planning Commission's determination. Due to the public notification requirements, the applicant should allow 6 - 8 weeks for the entire process. If the project requires site plan review, the applicant must wait for the Final Site Plan Approval letter issued by the Director of Zoning. The applicant must post a sign provided by the City, at least twenty (20) days prior to the meeting date.

### **Certificate of Appropriateness (Zoning Code: Section 120-194A)**

If the project will involve exterior work on a Landmark or on property within a Preservation District, a Certificate of Appropriateness must be approved by the Rochester Preservation Board.

A typical application includes site plans, floor plans, landscape plans, building elevations, material samples, color charts, photographs and possibly a completed Environment Assessment Form. After submission of the plans and application, the Board holds a public hearing which the applicant or designated representative must attend. The Board usually makes its decisions within 4 - 5 weeks of the date the application is submitted unless the Board requests additional information pertaining to the application. If the project requires site plan review, the applicant must wait for the Final Site Plan Approval letter issued by the Director of Zoning. The applicant must post a sign provided by the City, at least twenty (20) days prior to the meeting date.

## **Subdivisions (Land Subdivision Regulations - Chapter 128 of the Municipal Code)**

Some projects which involve the conveyance of land or the use of more than one (1) lot, must be reviewed as a subdivision or resubdivision and be approved by either the City Planning Commission or the Director of Zoning. Site plan review is required for every subdivision application.

There are three types of subdivisions: exempt subdivision, subdivision and resubdivision.

**Exempt Subdivision** - A subdivision of fewer than five (5) lots with the Director of Zoning having approval authority. Lots must have street frontage and access to qualify.

**Resubdivision** - Revision of an existing filed plat (map) including subdivisions and minor transfer of land. A minor transfer of land is the procedure by which two (2) or more lots are combined or lot lines are altered such that it does not result in an increase in the number of lots.

**Subdivision** - Procedure by which one (1) or more lots is divided, thereby increasing the total number of lots. The City Planning Commission has approval authority of subdivisions of five (5) or more lots and other non-exempt subdivisions.

If the project creates one (1) or more new tax accounts or lots, the applicant must submit a subdivision or re-subdivision map (scaled to not less than two (2) inches equaling one (1) mile) prepared by a licensed surveyor. If five (5) or more lots are created, an Environmental Assessment Form must be submitted.

Certification of approval by the Monroe County Department of Health must also be submitted in the case of realty subdivisions created as defined pursuant to Article III of the Monroe County Sanitary Code. In order to receive approval by Monroe County Department of Health, an applicant must show methods of obtaining and furnishing adequate and satisfactory water supply and sewage facilities to the subdivision. The applicant must also supply information regarding the nature and condition of the soil to absorb sewage, the depth to ground water and bedrock, the topography of the land, and the arrangements for proper drainage and disposal of surface water. Applicants should contact the Monroe County Department of Health directly for a complete set of requirements for approval. Prepaid tax certificates from the County and City are required as part of the submission.

The applicant should allow 6 - 8 weeks following submittal of a complete subdivision application for the processing of a case requiring a hearing. If no hearing is necessary, a decision should be available in 1 - 3 weeks.

### **Official Map Amendment (Zoning Code: Section 115-37)**

The Official Map is a subsidiary part of the Comprehensive Plan and indicates the location and width of streets and the location of parks as laid out and adopted. An amendment to the Official Map may be initiated by filing a completed application with the Division of Zoning, which coordinates a review process involving several agencies, and schedules a City Planning Commission informational meeting. Typical examples of Official Map Amendments include street dedications and abandonments, right-of-way changes, street naming and dedication of city parks.

Amendments to the Official Map can be made only by City Council by the adoption of an ordinance after a Public Hearing. The City Planning Commission makes a recommendation to the City Council on all Official Map Amendment applications. The applicant should allow 10 -12 weeks for the entire process.

### **Environmental Assessment (New York State Environmental Quality Review (SEQR) Act and Chapter 48 of the Municipal Code)**

The decision making body (i.e. Director of Zoning, Zoning Board, Planning Commission, Preservation Board, etc.) has the responsibility for making determinations and administering the local environmental Code as well as SEQR Act of New York. Most projects require Environmental Review.

The first step is completion of an Environmental Assessment Form (EAF) by the applicant. On the basis of the EAF, an environmental assessment is prepared: this is reviewed by the decision making body. If the decision making body determines that the project will not have a significant environmental impact, a Determination of Environmental non-significance is issued and the remaining project reviews continue (i.e. variance, special permit, Certificate of Appropriateness, etc.)

If the decision making body determines that the project may significantly and adversely affect the environment, an Environmental Impact Statement (EIS) is required. The developer prepares and submits a "Draft EIS" following a Public Hearing, the "Final EIS" is prepared. This is used by the decision making body in making its final decision. The EIS process, if applicable, takes a minimum of 12 - 16 weeks.

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# **Monroe County Pure Waters**

## **350 E. Henrietta Road (585) 274-7838**

### **Rochester Pure Waters District Permit**

If the proposed project will result in additional storm or sanitary discharge, new connections to sewers and all sanitary combination storm sewer extensions must be approved and a permit obtained from Pure Waters. Initially, one set of complete plans and forms are required, and shall include:

A site plan showing existing and proposed utilities and street sewers (minimum plan size 17" x 22");

Interior plumbing plans, including sizes of pipes for industrial and commercial projects;

Other drawings as required to describe the project.

All required forms as per requirement and any special pre-treatment (if applicable) for all privately constructed sewer in the Rochester Pure Waters District.

The applicant should allow 15 days for initial review of plans. Prior to final approval, four additional sets of plans shall be submitted. These will be stamped and two (2) sets will be returned to the applicant for distribution as the project is reviewed by the Bureau of Buildings and Zoning. The other two (2) sets will remain in Pure Waters files. (Rochester Pure Waters District will administer the sewer construction of the proposed extension.)

Permits will be issued to licensed plumbers when the following conditions have been met:

Applications for new connections have been approved by the Rochester Pure Waters District and a stamped copy of the drawing has been submitted to the Permit Office.

Submission of an acceptable certificate of insurance meeting the District's requirements.

Submittal of an acceptable \$5,000.00 plumbers permit bond meeting the District's requirements.

Payment of all applicable permit fees.

Permits shall be signed by the licensed plumber or his/her authorized designee. Sewer connection permits shall be in effect for a one year period commencing on the date of issuance.

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# **Monroe County Department of Health**

## **111 Westfall Road (585) 274-6811**

### **Health Department Permits**

If the proposed project will include:

- Food service establishments;
- Temporary residences (children's camps and mass gatherings);
- Sanitary or combined sewer extensions;
- Water main extensions;
- Realty subdivision;
- On-site sewage disposal;
- Public swimming pools;
- Water supply-cross-connection protection;
- Development on a former waste/fill site,

The developer should contact the Division of Environmental Health of the Monroe County Department of Health. The Health Department reviews construction plans to ensure that minimum health standards are met.

In the case of subdivisions, water main extensions and sewer extensions, the Department acts on behalf of the State Departments of Health and Environmental Conservation as required by Part 5 of the State Sanitary Code and Health and Environmental Conservation Laws.



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## **New York State Departments of Environmental Conservation (NYSDEC) and Health (NYSDOH)**

The Bureau of Planning can usually inform the developer of NYSDEC or NYSDOH permits which may apply to the project. It is the developer's responsibility, however, to contact those agencies and apply for and receive the necessary permits. Application forms are available from any NYSDEC or NYSDOH office.

### **NYSDEC Permits 6274 East Avon-Lima Road (585) 226-2466**

Permits are required if the proposed project includes:

- Sources of air contamination within the City boundary;
- Disposal, storage and treatment of solid and hazardous waste;
- Any work in a protected freshwater wetland;
- Dredging and filling in protected rivers, creeks and lakes;
- Transport of hazardous and non-hazardous wastes;
- Pesticide application.

### **New York State Department of Health Permits (NYSDOH) 42 S. Washington Street (585) 423-8070**

Permits are required if the project includes:

- Laboratory facilities;
- Health or medical facilities

As noted under the Monroe County Department of Health "Health Department Permits" section, certain NYSDEC permits and NYSDOH permits -- Realty Subdivision Approval, Water Supply Approval -- are obtained through the Monroe County Department of Health, which has been delegated authority to issue these permits by these agencies.

# BUILDING AND CONSTRUCTION

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## Department of Environmental Services (DES) Permits Office Room 121B, City Hall (585) 428-6848

New subdivision and re-subdivision applications require the review and approval of the City Engineer prior to any permits being issued.

**New Streets** - Any new subdivisions, including the construction of a new street, will require the following:

- Submission of three (3) sets of professional licensed engineer stamped plans;
- New street permit;
- Certificate of Liability and Worker's Compensation Insurance;
- Letter of Credit (amount to be determined by the City Engineer).

Upon final acceptance by the City Engineer, the applicant must submit a separate two (2) year Guarantee Bond or Letter of Credit in the amount of twenty-five (25) percent of the estimated cost of the public work; as determined by the City Engineer.

**Street Opening Permit** - If the project involves a sanitary/combination sewer, sewer or water service connection, an approved contractor must obtain all necessary street opening permits in conjunction with the utility service connection permits.

Connection permits may be obtained from:

- Monroe County Pure Waters - Sewers - 274-8100
- City of Rochester Water Bureau - Water Dispatch - 428-7500
- D.E.S. Permit Office - Excavations - 428-6848

**Stake Outs - New York State Industrial Code Rule 53** The DES Permit Office maintains the Central Registry for the City of Rochester. The Central Registry is a master list of all operators or owners of underground facilities within the City. The City maintains this list in accordance with New York State Industrial Code Rule 53. All excavators are responsible for notifying all utility operators with facilities in the area to be excavated at least two (2) full working days before digging.

The Central Registry can be inspected at the DES Permit Office or a copy may be obtained for a nominal charge. The DES Permit Office is located at:

- Department of Environmental Services Permit Office, Room 121B
- City Hall 30 Church Street Rochester, New York 14614

All operators of underground facilities in the area should be notified to request stake outs. Contractors should refer to the Central Registry listing. Their names and the areas where their facilities are located are listed in the Central Registry. Contractors can telephone UFPO at 1-800-962- 7962 to request a stake out from these major agencies:

City of Rochester Water Bureau  
City of Rochester Street Lighting System  
Rochester Gas and Electric Corporation  
Rochester Telephone Corporation  
Greater Rochester Cablevision  
Monroe County Water Authority  
Rochester District Heating  
Monroe County Department of Transportation - Signal Division  
Eastman Kodak Company  
The University of Rochester

**Excavation Permits** The DES Permit Office will issue separate excavation permits in conjunction with Monroe County Pure Waters for any work within the City of Rochester right-of-way. The following conditions must be met to obtain a permit:

Submission of three (3) sets of stamped plans;

A minimum security deposit of \$1,000 in the form of a letter of credit, certified check or cash. The security deposit requirement may increase when determined to be appropriate by the City Engineer.

Certificate of Liability Insurance, Worker's Compensation and Disability Coverage naming the City of Rochester as additional insured.

The excavation permit fee.

**Other Permits** Permit applicants are responsible for obtaining all other required permits such as Monroe County Pure Waters, NYSDOT, U.S. Army Corps of Engineers, Railroads.

The Rochester Water Bureau requires Hydrant Use Permits be obtained by the permit holder prior to using any hydrant as a source of water supply. The permit requires the use of a water meter and backflow preventer. The Water Bureau will supply a hydrant wrench, water meter, meter setting and backflow preventer. These permits are available at the City of Rochester Water Bureau, Customer Service Office, 10 Felix Street, Rochester, New York. The telephone number is (585) 428-7506

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**Department of Community Development  
Bureau of Buildings and Zoning  
Plan Review and Inspection Division  
125B, City Hall (585) 428-6526**

**Building Permits** A building permit must be obtained before any plans to construct, reconstruct, add to, alter, remodel, demolish or change use of a structure may be carried out.

Prior to applying for a building permit, the developer shall have all necessary approvals from the Division of Zoning as well as Monroe County Department of Health, the New York State Department of Environmental Conservation and Rochester Pure Waters District. In addition, the permit will not be issued until required permits and approvals have been obtained from the City Plumbing Division, Department of Environmental Services and Fire Safety Division of the Fire Department.

The building permit application must be accompanied by:

Three sets of detailed construction plans if project cost is \$100,000 or more, (two (2) sets if under \$100,000), certified by a licensed engineer, architect or owner-designed;

One copy of a site plan approved by the Division of Zoning;

A current certificate of insurance detailing worker's compensation and disability coverage (naming the City as Certificate Holder).

Processing of completed applications usually occurs within fifteen (15) working days, but may be longer for major projects.

If the building permit application is denied, the developer may choose to revise the plans or pursue the process of appeal by submitting a petition to the New York State Board of Review. The applicant should allow a minimum of 12 weeks for a Board of Review Decision.

**Plumbing Permits** After obtaining all approvals from the Water Bureau, Engineering Bureau, and Pure Waters, a licensed plumber must obtain a permit from the City of Rochester Permit Office in order to perform interior and exterior plumbing work or site work. If the interior structure will be affected by the new plumbing the applicant shall submit one set of mechanical plumbing plans with the application. Connection permits must also be obtained from the Rochester Pure Waters District, City of Rochester Water Bureau and the City's Department of Environmental Services Engineering Permit Office prior to making any connections. Work performed will be inspected and approved by a City of Rochester Plumbing Inspector.

**Electrical Permits** If electrical work is required for the project, the developer must hire an electrician licensed by the City of Rochester.

Prior to the commencement of work, the licensed electrician is required to apply for an electrical permit from the City. Upon completion of the job and all necessary inspections from the City of Rochester Electrical Inspector, the electrician obtains a certificate of compliance. Work performed will be inspected and approved by a City of Rochester Electrical Inspector.

**Fire Safety Permits** The Fire Safety Division of the Fire Department reviews plans for construction of all new commercial and multiple dwelling structures, installation of fire alarm systems and fire suppression systems. To expedite the review process, joint plan reviews are conducted by the Fire Safety Division and the Division of Buildings. Where potentially harmful conditions exist, the Fire Safety Division also reviews permits to maintain, change use of, or remodel a structure.

**Elevator Permits** Prior to the installation or modification of any conveyance, an elevator permit must be obtained from the City. Applications must be applied for by a licensed installer or maintenance company. Inspections are performed by a licensed inspection agency. Plans and specifications must accompany the application.

**Demolition Permits** Prior to the razing, disassembly or removal of any structure, essential element of any structure or the removal of any debris, a permit shall be obtained from the Permit Office.

The permit application must be accompanied by:

- Site plan or tape location map.
- Building material disposal plan.
- Photographs of all exterior elevations.
- Environmental Assessment Form.
- Certificate of Worker's Compensation specifically stating that demolition work is covered
- Certificate of rodent control.
- Performance Guarantee.
- Proposal for site development.
- Approved safe school route and pedestrian access plan.
- Construction photos of any pre-existing damage to the public right-of-way.
- Maintenance and Protection of Traffic plan when work will obstruct the right-of-way.

**Certificate of Occupancy (Zoning Code: Section 120 and Building Code: Chapter 39, Section 214-219)** Once construction has been completed, the developer must obtain a Certificate of Occupancy. This procedure involves:  
A written application, filed at the time of permit application;  
An inspection of the property by the Building Construction Inspector;  
Final electrical, plumbing and/or elevator inspection approvals;  
Fire safety approval.

Following the inspection, the applicant should allow 10 days to receive the Certificate

# DIRECTORY

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- City Hall 30 Church Street Rochester, New York 14614
- Bureau of Buildings and Zoning Permit Office, Department of Community Development Room 121-B, City Hall (585) 428-6526
- Bureau of Buildings and Zoning Division of Zoning, Department of Community Development Room 125-B, City Hall (585) 428-7043
- Bureau of Buildings and Zoning Plan Review and Inspection Division, Department of Community Development Room 125-B, City Hall (585) 428-6561
- Bureau of City Planning Department of Community Development Room 010-A, City Hall (585) 428-6924
- Department of Environmental Services Permit Office Room 121-B, City Hall (585) 428-6848
- Department of Environmental Services Water Bureau 10 Felix Street Rochester, New York 14613 (585) 428-7567
- Department of Economic Development Room 005-A, City Hall (585) 428-6808
- New York State Department of Environmental Conservation (NYSDEC) 6274 East Avon-Lima Road Avon, New York 14414 (585) 226-2466
- New York State Department of Health (NYSDOH) 42 S. Washington Street Rochester, New York 14608 (585) 423-8070
- Monroe County Department of Health Division of Environmental Health 111 Westfall Road Rochester, New York 14692 (585) 274-6811
- Monroe County Pure Waters Permit Office 350 E. Henrietta Road Building 15 Rochester, New York 14620 (585) 753-7600
- Rochester Pure Waters District Office of Development Review 350 E. Henrietta Road Rochester, New York 14620 (585) 753-7600